Supplementary Online Content

GBD 2017 Child and Adolescent Health Collaborators. Diseases, injuries, and risk factors in child and adolescent health, 1990 to 2017: findings from the Global Burden of Diseases, Injuries, and Risk Factors 2017 Study. *JAMA Pediatr.* Published online April 29, 2019. doi:10.1001/jamapediatrics.2019.0337

eFigure 1. GBD 2017 Socio-demographic index (SDI) quintiles by GBD administrative level 1 geography

eFigure 2. Decomposition of the probability of death in 195 countries for <20 years from 1990 to 2017, both sexes combined

eFigure 3. Trends of DALYs from 1990 to 2017 for global and SDI quintiles for <1, 1-4, 5-9, 10-19 years

eFigure 4. Trends of DALYs from 1990 to 2017 by age group (<1, 1-4, 5-9, 10-19 years) for global and SDI quintiles

eFigure 5. Map of percent change for observed to expected (O:E) all-cause DALY rates from 1990 to 2000, 2000 to 2017 for <1, 1-4, 5-9, 10-19 years

eFigure 6. Annual percent change of observed to expected (O:E) all-cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

eFigure 7. Leading ten causes of DALYs with the ratio of observed to expected on the basis of SDI alone in 2017 for a) <20 years, b) <1 years, c) 1-4 years, d) 5-9 years, and e) 10-19 years for both sexes combined

eFigure 8. Co-evolution of YLL to YLD ratios and SDI for GBD regions and Level 1 causes, 1990 o 2017, both sexes combined for a) all causes, b) CMNN, c) NCDs, d) Injuries

eFigure 9. Leading ten causes of YLDs with the ratio of observed to expected on the basis of SDI alone in 2017 for a) <20 years, b) <1 years, c) 1-4 years, d) 5-9 years, and e) 10-19 years for both sexes combined

eFigure 10. Percent change in MMR vs. percent change in all-cause child DALYs rate for <1, 1-4, 5-9, and 10-19 years, 1990-2017

eTable 1. SDI groupings by location, based on GBD 2017 values

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes

eTable 3. Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 o 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries or a) <20 years, b) <1 years, c) 1-4 years, d) 5-9 years, and e)10-19 years, both sexes combined

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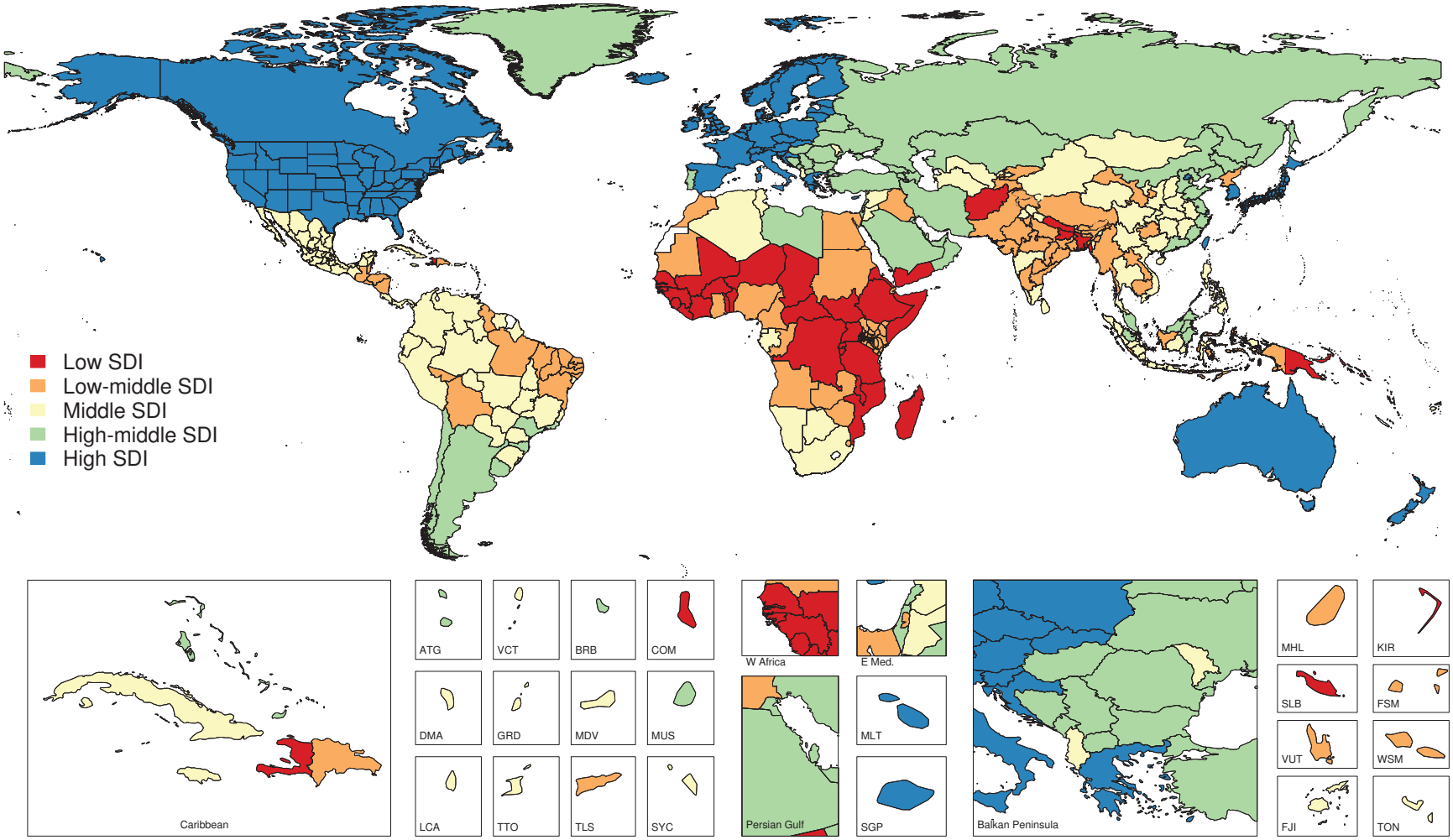
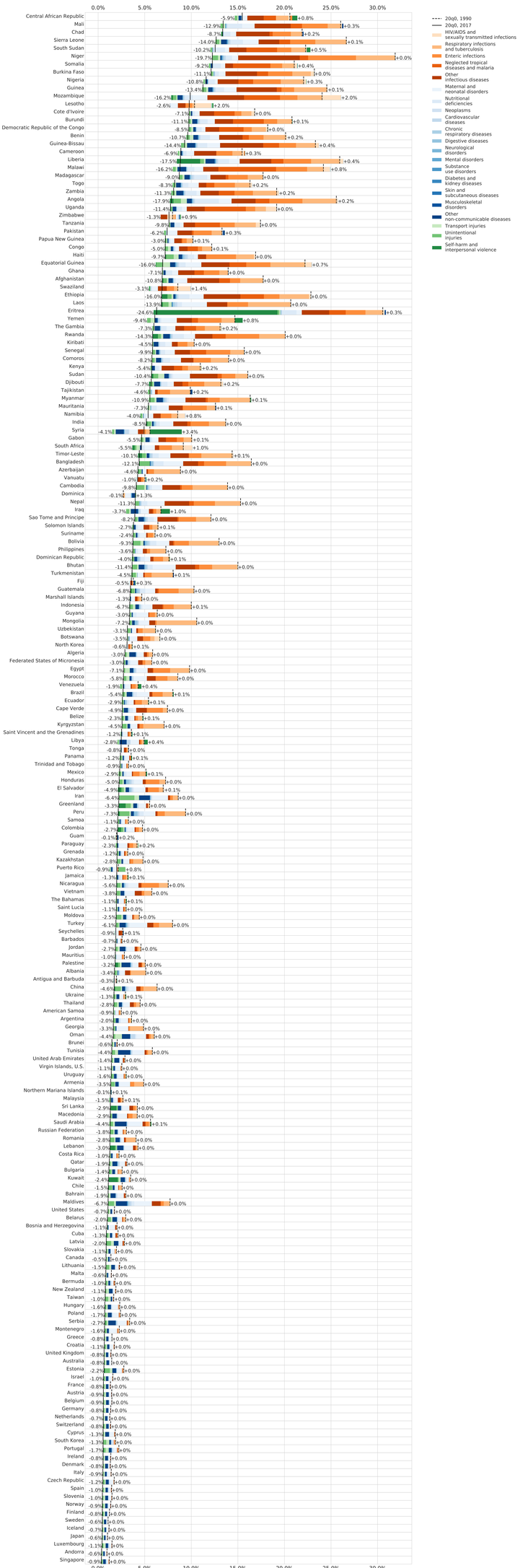
eFigure 1. GBD 2017 Socio-demographic index quintiles by GBD geography



Socio-demographic index quintiles for each GBD analytic location are color-coded. SDI is calculated by principal components analysis of per capita income, years of education in persons 15 years and older, and total fertility rate under 25 years. Inset plots provided for detailed inspection of small or clustered regions. Abbreviations: GBD=Global Burden of Disease, ATG = Antigua and Barbuda, DMA = Dominica, LCA = Saint Lucia, VCT = Saint Vincent and the Grenadines, GRD = Grenada, TTO = Trinidad and Tobago, BRB = Barbados, MDV = Maldives, TLS = Timor-Leste, COM = Comoros, MUS = Mauritius, SYC = Seychelles, MLT = Malta, SGP = Singapore, MHL = Marshall Islands, SLB = Solomon Islands, VUT = Vanuatu, FJI = Fiji, KIR = Kiribati, FSM = Federated States of Micronesia, WSM = Samoa, TON = Tonga

eFigure 2. Decomposition of the Probability of Death in 195 countries for <20 years from 1990 to 2017, both sexes combined



Probability of death between birth and age 20 is plotted by country for 1990 (dashed vertical line) and 2017 (solid vertical line). The relative contribution of that change due to the 22 different level 2 causes is indicated by different color bars. Any bar to the right of the dashed vertical line increased mortality over the period while all those to the left decreased. Countries are sorted from highest probability of death in 2017 to lowest. Country data are ordered according to probability of death in 2017, descending

eFigure 3. Trends of DALYs from 1990 to 2017 for global and SDI quintiles for <1, 1-4, 5-9, 10-19.

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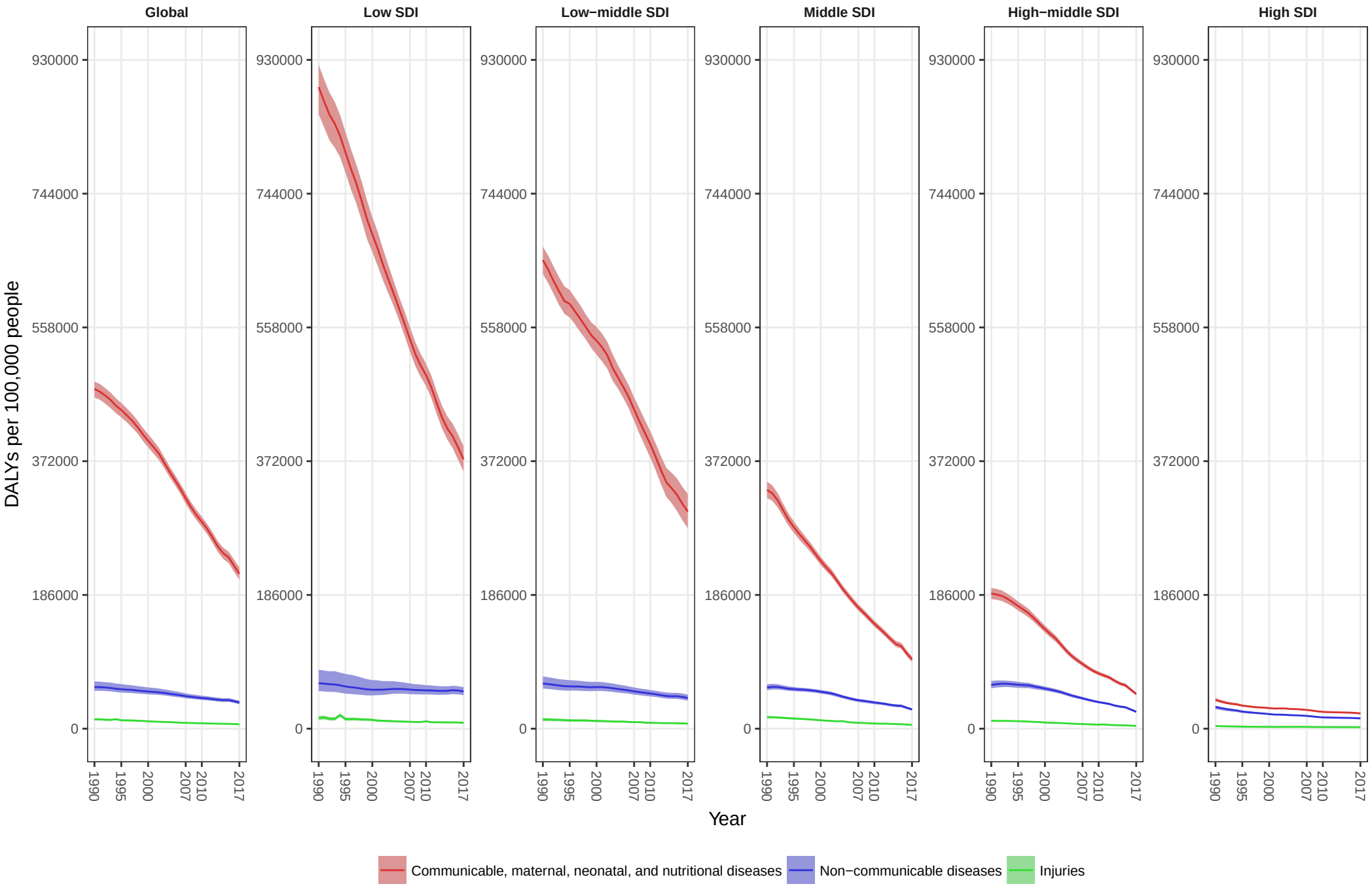
(a) <1 year



Temporal trends in disability adjusted life years (DALYs) are plotted for each adolescent age group. Panel a) less than 1 year old; panel b) between 1 and 4 years old; panel c) between 5 and 9 years old; panel d) between 10 and 19 years old. Within each panel, global trends are plotted in left sub-panel and the corresponding trends for each SDI quintile is plotted in the next 4 sub-panels. Shaded areas show 95% UIs. Communicable, maternal, neonatal, and nutritional disorders (CMNN) are shown in red, non−communicable disease (NCD) causes in blue, and injuries in green. Abbreviations: SDI=Socio−demographic Index.

eFigure 3. Trends of DALYs from 1990 to 2017 for global and SDI quintiles for <1, 1-4, 5-9, 10-19.

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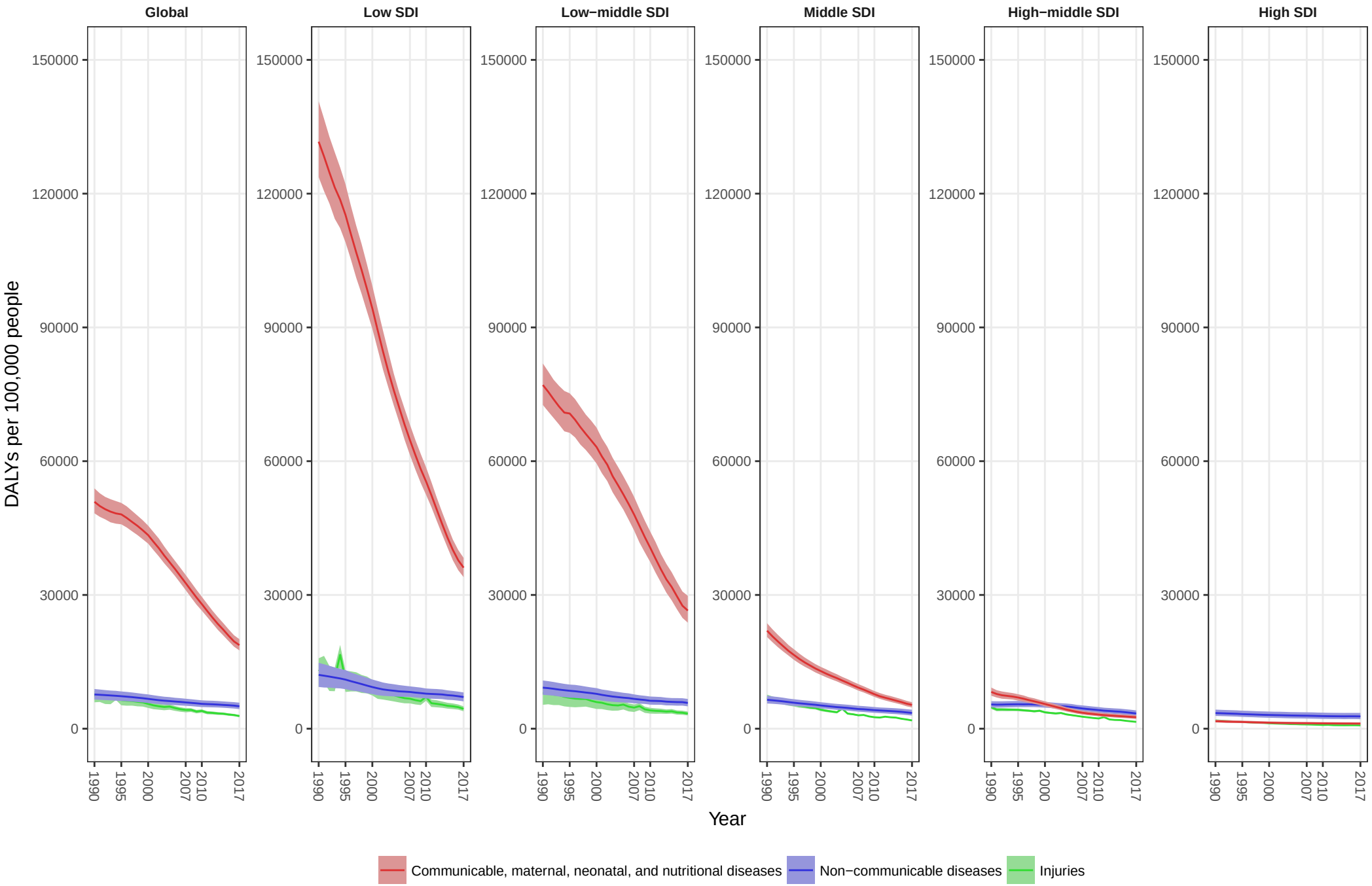
(b) 1 to 4 years



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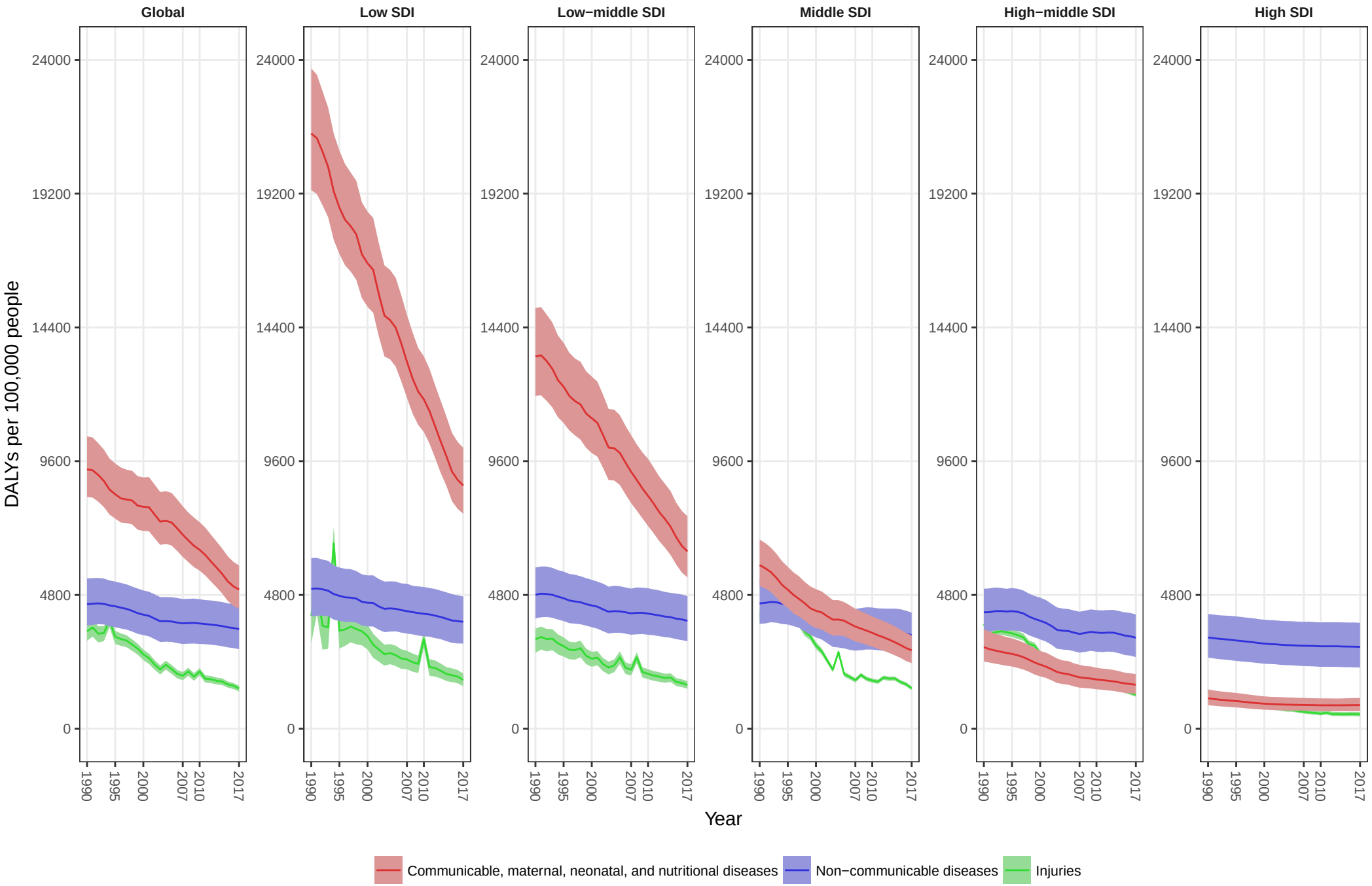
(c) 5 to 9 years



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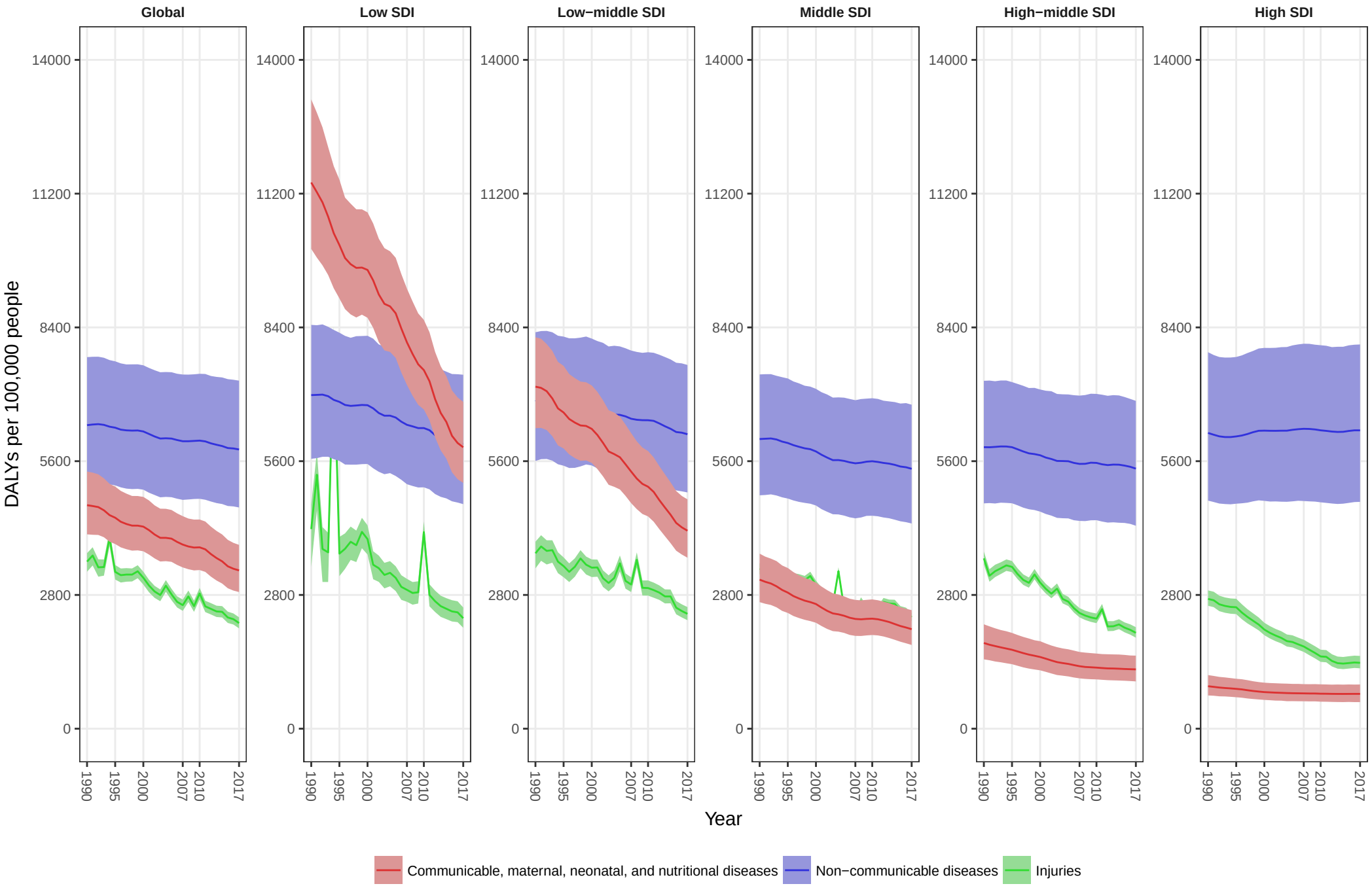
(d) 10 to 19 years



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eFigure 4. Trends of DALYs from 1990 to 2017 by age group (<1, 1-4, 5-9, 10-19 years) for global and SDI quintiles.

(a) Global

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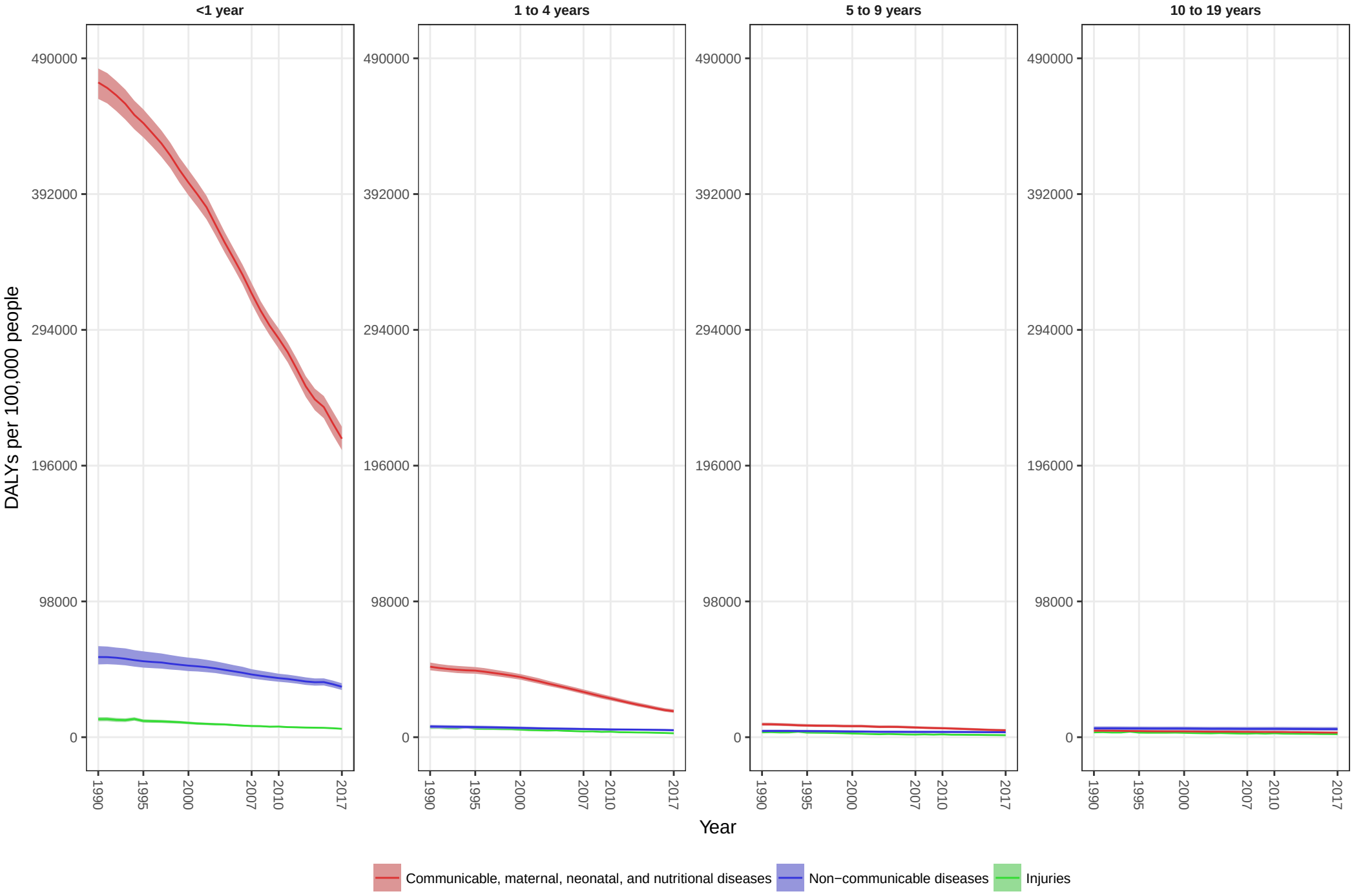

Temporal trends in disability adjusted life years (DALYs) are plotted across age groups globally and for each socio-demographic index (SDI) quintile. Panel a) global; panel b) low SDI; panel c) low-middle SDI; panel d) middle SDI; panel e) high-middle SDI; panel f) high SDI. Within each panel, trends for children less than 1 are plotted in left sub-panel, between 1 and 4 in the second sub-panel, between 5 and 9 in the third sub-panel, and between 10 and 19 in the right sub-panel. Shaded areas show 95% UIs. Communicable, maternal, neonatal, and nutritional disorders (CMNN) are shown in red, non−communicable disease (NCD) causes in blue, and injuries in green. Abbreviations: DALY=disability-adjusted life year, SDI=Socio-demographic Index.

eFigure 4. Trends of DALYs from 1990 to 2017 by age group (<1, 1-4, 5-9, 10-19 years) for global and SDI quintiles.

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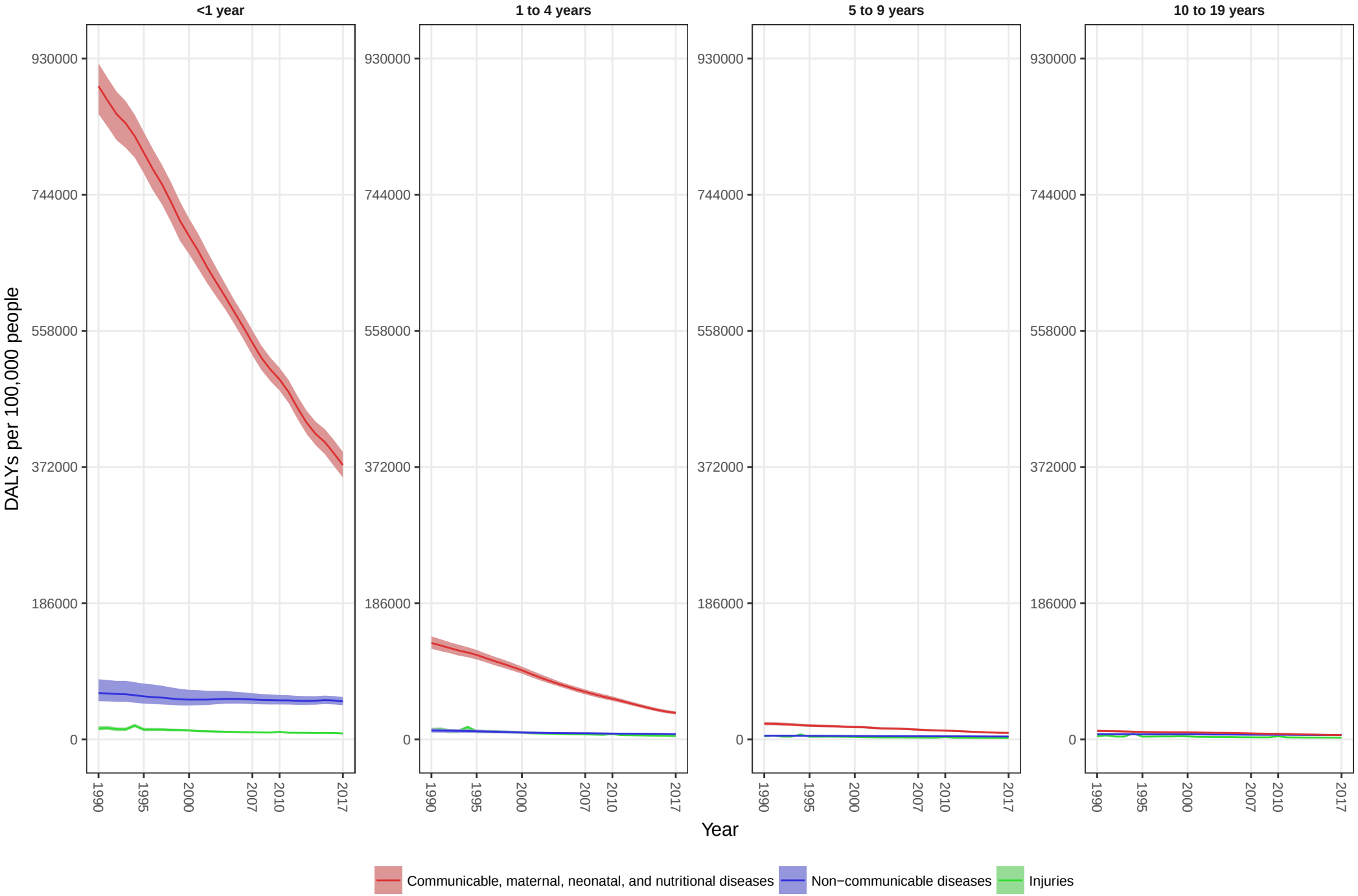
(b) Low SDI



Temporal trends in disability adjusted life years (DALYs) are plotted across age groups globally and for each socio-demographic index (SDI) quintile. Panel a) global; panel b) low SDI; panel c) low-middle SDI; panel d) middle SDI; panel e) high-middle SDI; panel f) high SDI. Within each panel, trends for children less than 1 are plotted in left sub-panel, between 1 and 4 in the second sub-panel, between 5 and 9 in the third sub-panel, and between 10 and 19 in the right sub-panel. Shaded areas show 95% UIs. Communicable, maternal, neonatal, and nutritional disorders (CMNN) are shown in red, non−communicable disease (NCD) causes in blue, and injuries in green. Abbreviations: DALY=disability-adjusted life year, SDI=Socio-demographic Index.

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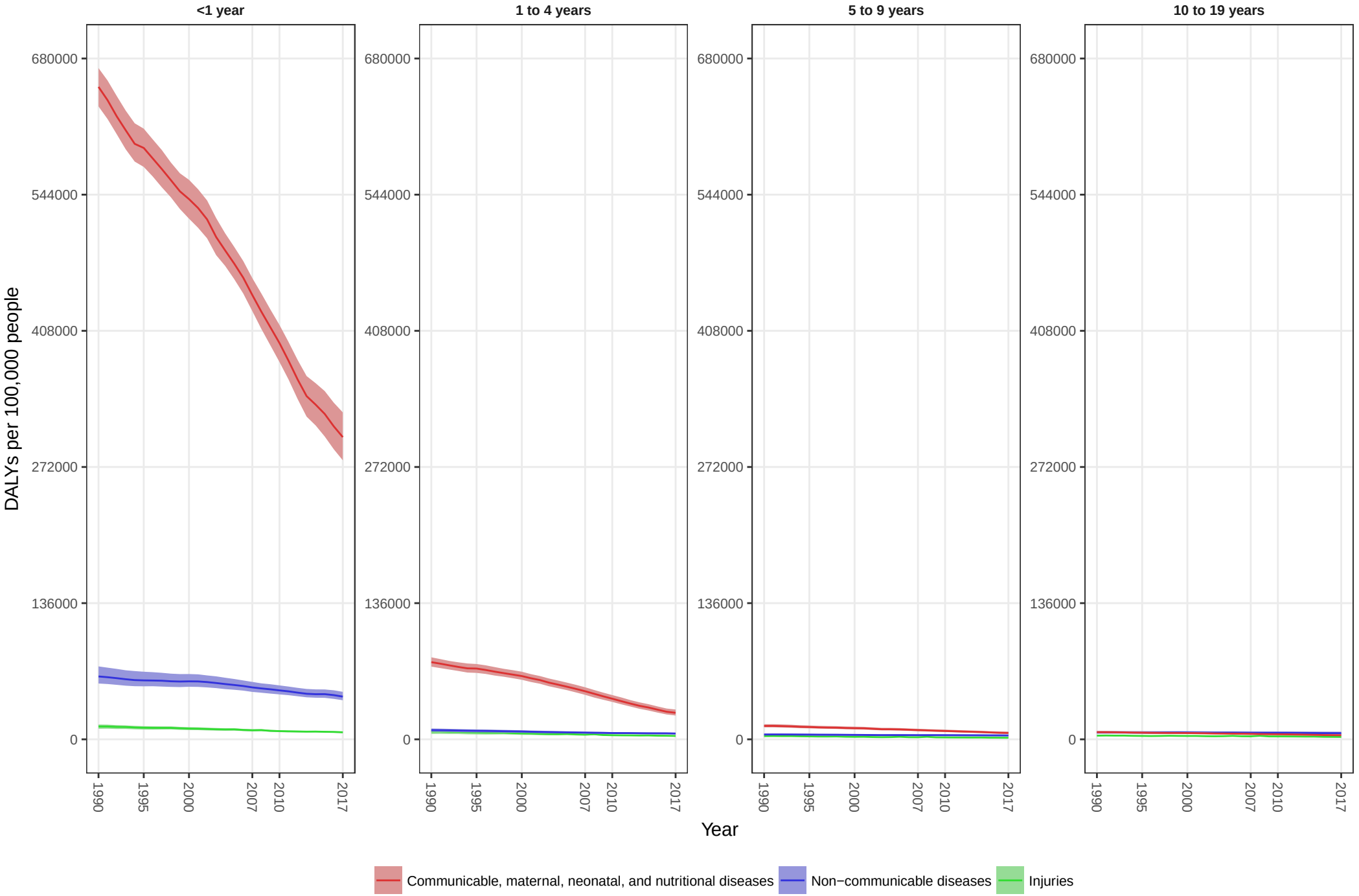
(c) Low−middle SDI



Temporal trends in disability adjusted life years (DALYs) are plotted across age groups globally and for each socio-demographic index (SDI) quintile. Panel a) global; panel b) low SDI; panel c) low-middle SDI; panel d) middle SDI; panel e) high-middle SDI; panel f) high SDI. Within each panel, trends for children less than 1 are plotted in left sub-panel, between 1 and 4 in the second sub-panel, between 5 and 9 in the third sub-panel, and between 10 and 19 in the right sub-panel. Shaded areas show 95% UIs. Communicable, maternal, neonatal, and nutritional disorders (CMNN) are shown in red, non−communicable disease (NCD) causes in blue, and injuries in green. Abbreviations: DALY=disability-adjusted life year, SDI=Socio-demographic Index.

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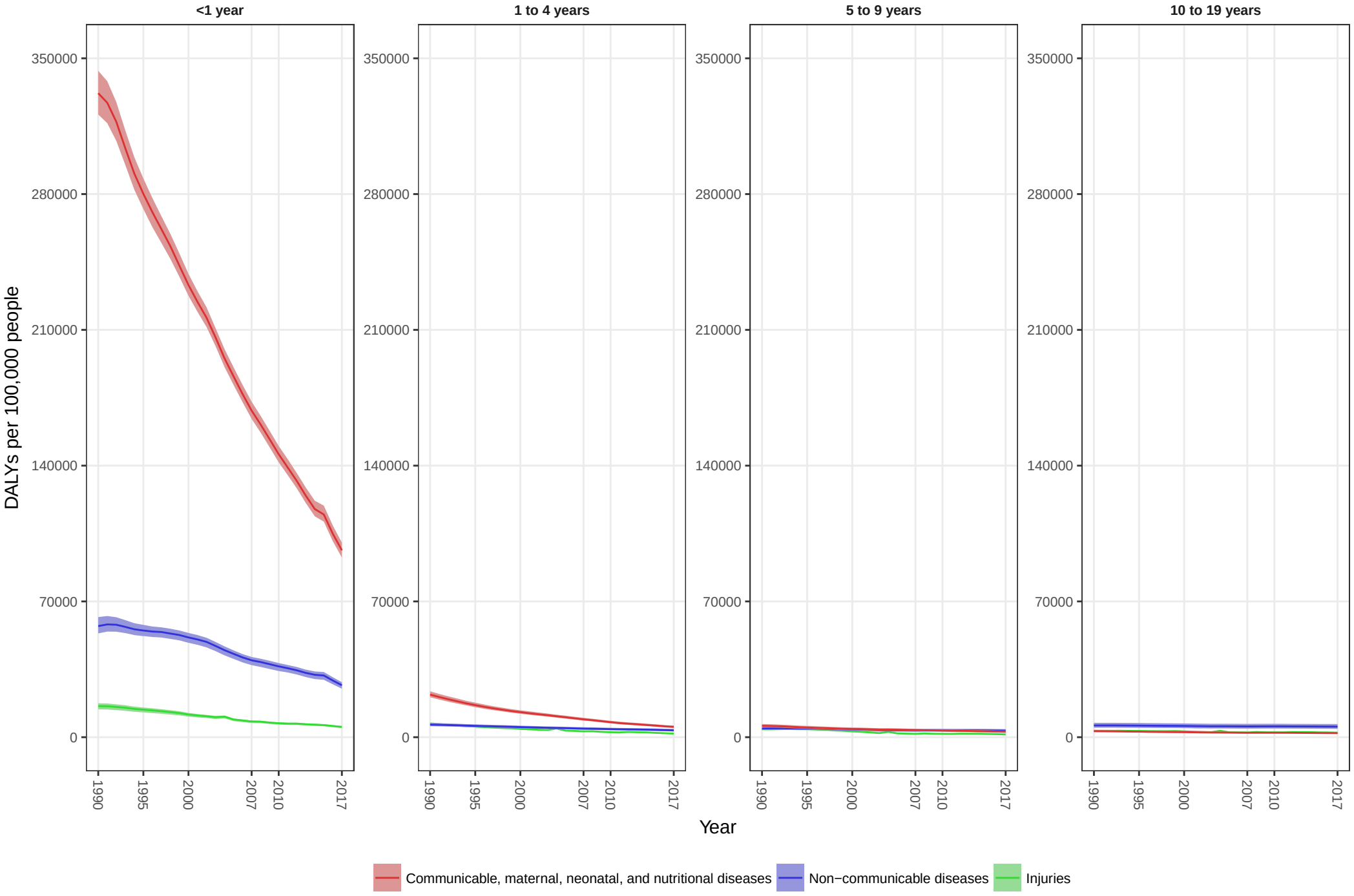
(d) Middle SDI



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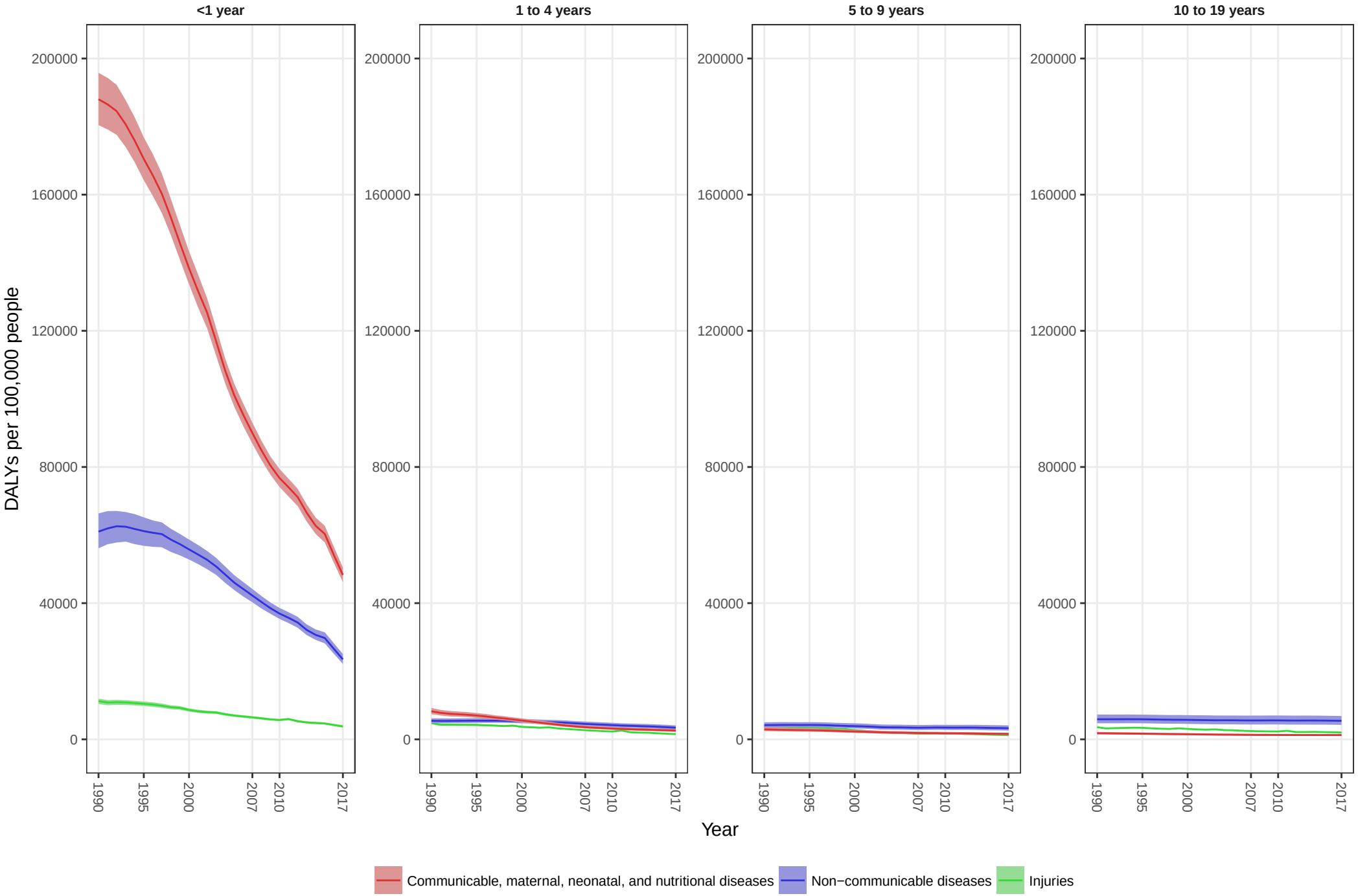
(e) High−middle SDI



Temporal trends in disability adjusted life years (DALYs) are plotted across age groups globally and for each socio-demographic index (SDI) quintile. Panel a) global; panel b) low SDI; panel c) low-middle SDI; panel d) middle SDI; panel e) high-middle SDI; panel f) high SDI. Within each panel, trends for children less than 1 are plotted in left sub-panel, between 1 and 4 in the second sub-panel, between 5 and 9 in the third sub-panel, and between 10 and 19 in the right sub-panel. Shaded areas show 95% UIs. Communicable, maternal, neonatal, and nutritional disorders (CMNN) are shown in red, non−communicable disease (NCD) causes in blue, and injuries in green. Abbreviations: DALY=disability-adjusted life year, SDI=Socio-demographic Index.

eFigure 4. Trends of DALYs from 1990 to 2017 by age group (<1, 1-4, 5-9, 10-19 years) for global and SDI quintiles.

(f) High SDI

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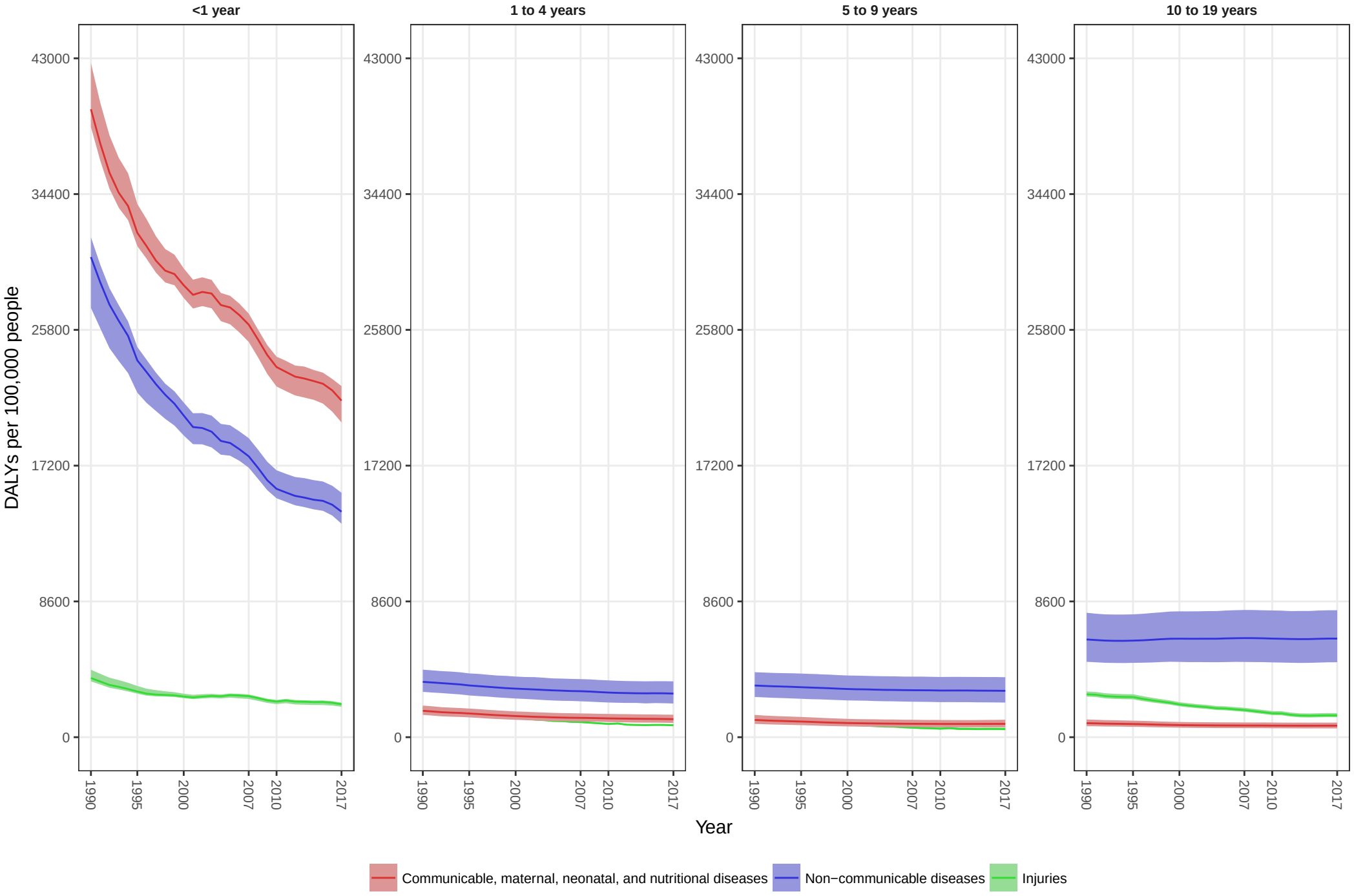

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eFigure 5a: Map of percent change for observed to expected (O:E) all−cause DALY rates from 1990 to 2000, 2000 to 2017 for <1, 1−4, 5−9, 10−19 years

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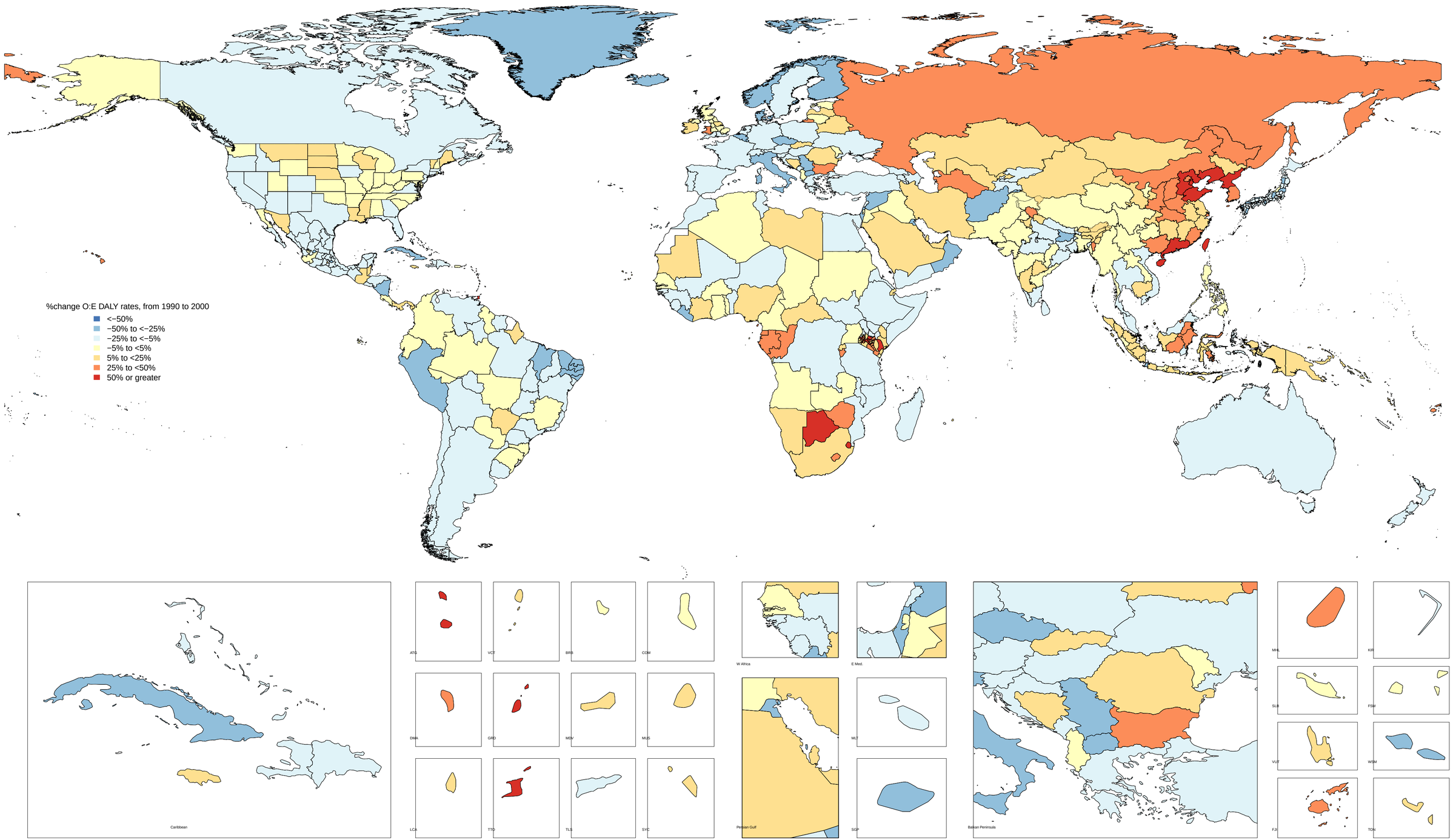

Percent changes in observed to expected disability-adjusted life years (DALYs) are plotted for different time periods and age groups. Panels A-D display changes from 1990 to 2000. Panels E-H display changes from 2000 to 2017. Panels A and E show changes for children less than 1; panels B and F show changes for children between 1 and 4; panels C and G show changes for children between 5 and 9; and panels D and H show changes for children between 10 and 19. For all plots, both sexes are combined. Subnational differentiation occurs within each country GBD models at the subnational level. Inset plots provided for detailed inspection of small or clustered regions. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease, ATG = Antigua and Barbuda, DMA = Dominica, LCA = Saint Lucia, VCT = Saint Vincent and the Grenadines, GRD = Grenada, TTO = Trinidad and Tobago, BRB = Barbados, MDV = Maldives, TLS = Timor-Leste, COM = Comoros, MUS = Mauritius, SYC = Seychelles, MLT = Malta, SGP = Singapore, MHL = Marshall Islands, SLB = Solomon Islands, VUT = Vanuatu, FJI = Fiji, KIR = Kiribati, FSM = Federated States of Micronesia, WSM = Samoa, TON = Tonga

eFigure 5b: Map of percent change for observed to expected (O:E) all−cause DALY rates from 1990 to 2000, 2000 to 2017 for <1, 1−4, 5−9, 10−19 years

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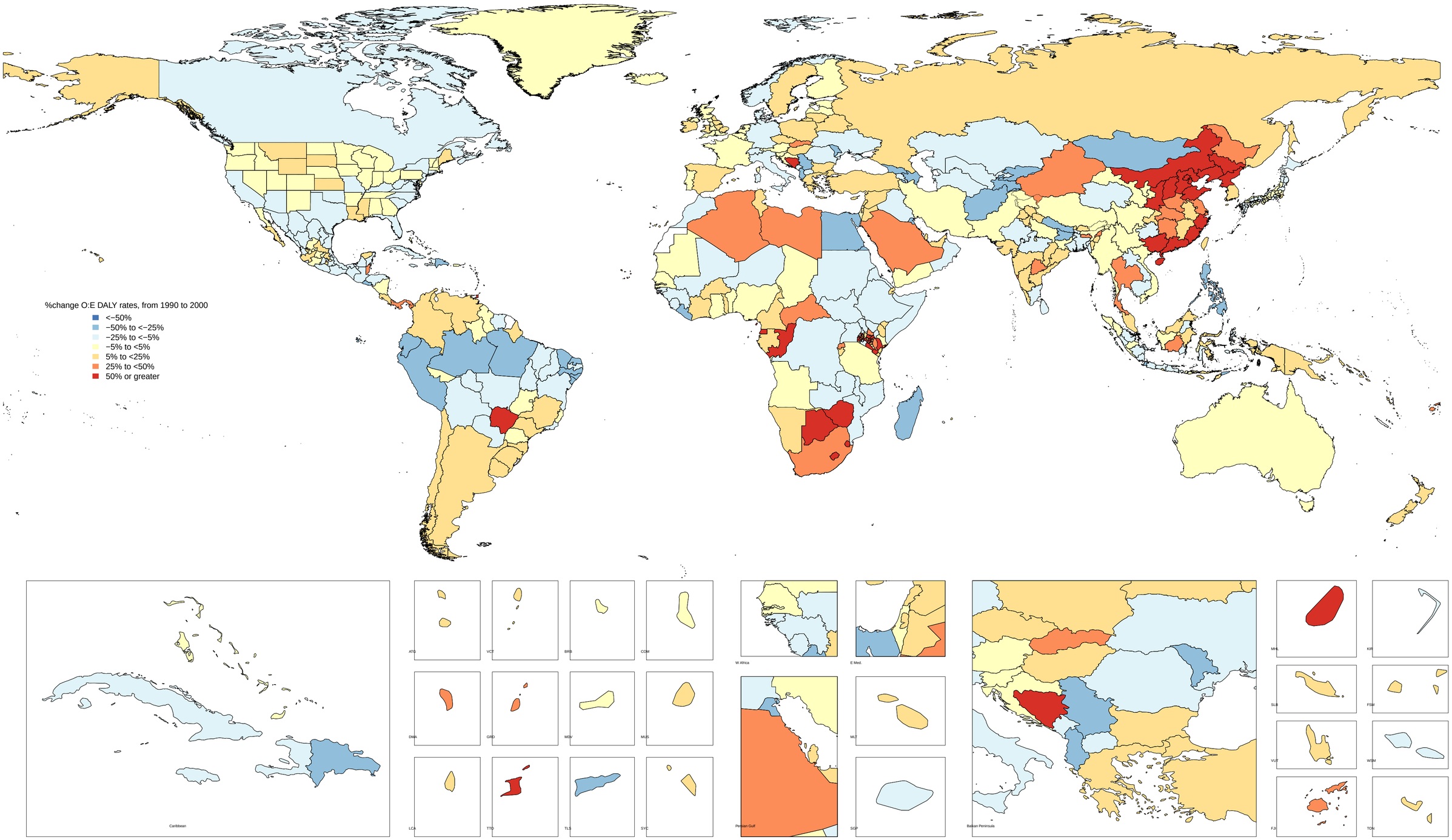

Percent changes in observed to expected disability-adjusted life years (DALYs) are plotted for different time periods and age groups. Panels A-D display changes from 1990 to 2000. Panels E-H display changes from 2000 to 2017. Panels A and E show changes for children less than 1; panels B and F show changes for children between 1 and 4; panels C and G show changes for children between 5 and 9; and panels D and H show changes for children between 10 and 19. For all plots, both sexes are combined. Subnational differentiation occurs within each country GBD models at the subnational level. Inset plots provided for detailed inspection of small or clustered regions. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease, ATG = Antigua and Barbuda, DMA = Dominica, LCA = Saint Lucia, VCT = Saint Vincent and the Grenadines, GRD = Grenada, TTO = Trinidad and Tobago, BRB = Barbados, MDV = Maldives, TLS = Timor-Leste, COM = Comoros, MUS = Mauritius, SYC = Seychelles, MLT = Malta, SGP = Singapore, MHL = Marshall Islands, SLB = Solomon Islands, VUT = Vanuatu, FJI = Fiji, KIR = Kiribati, FSM = Federated States of Micronesia, WSM = Samoa, TON = Tonga

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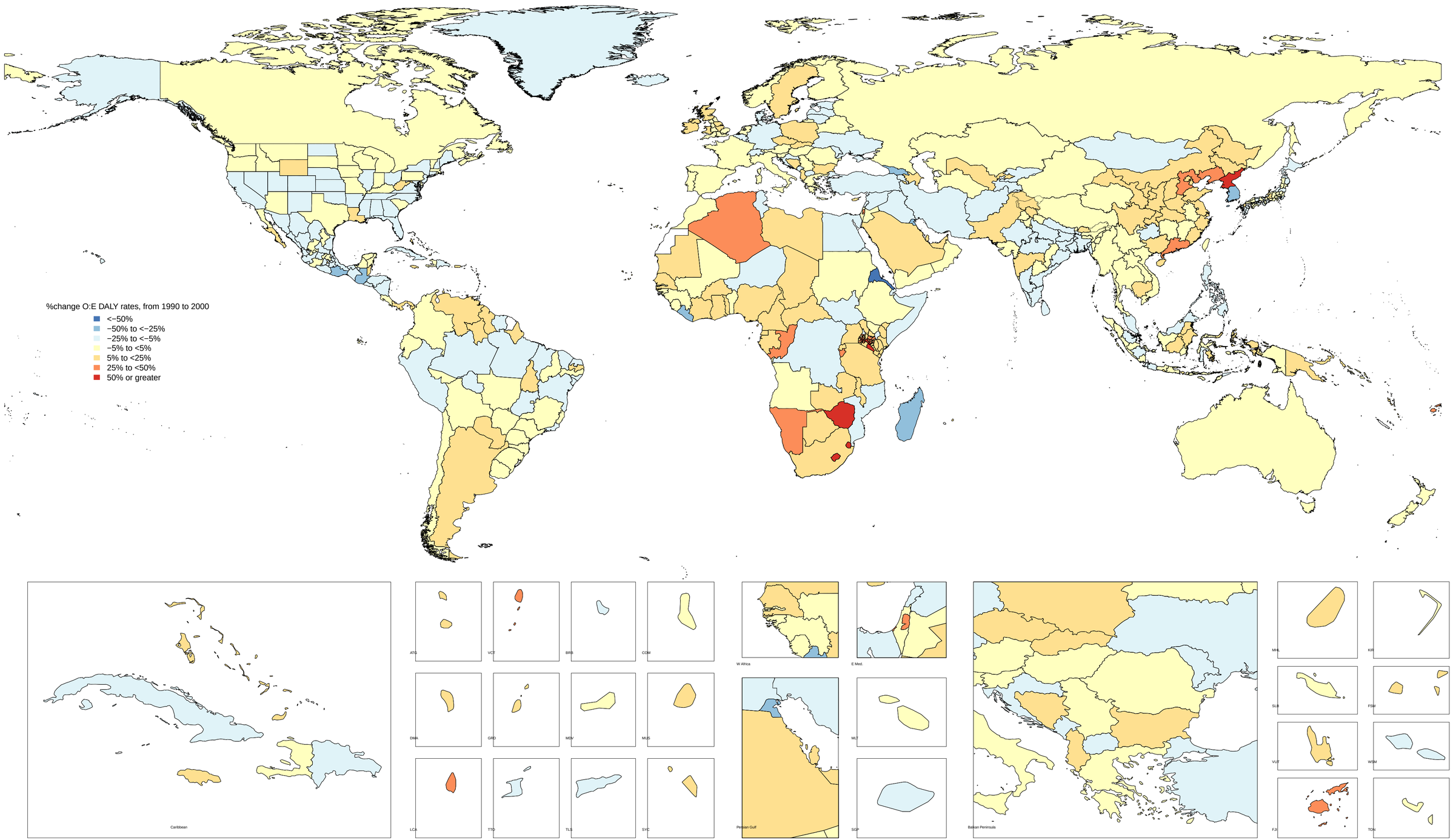

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eFigure 5d: Map of percent change for observed to expected (O:E) all−cause DALY rates from 1990 to 2000, 2000 to 2017 for <1, 1−4, 5−9, 10−19 years

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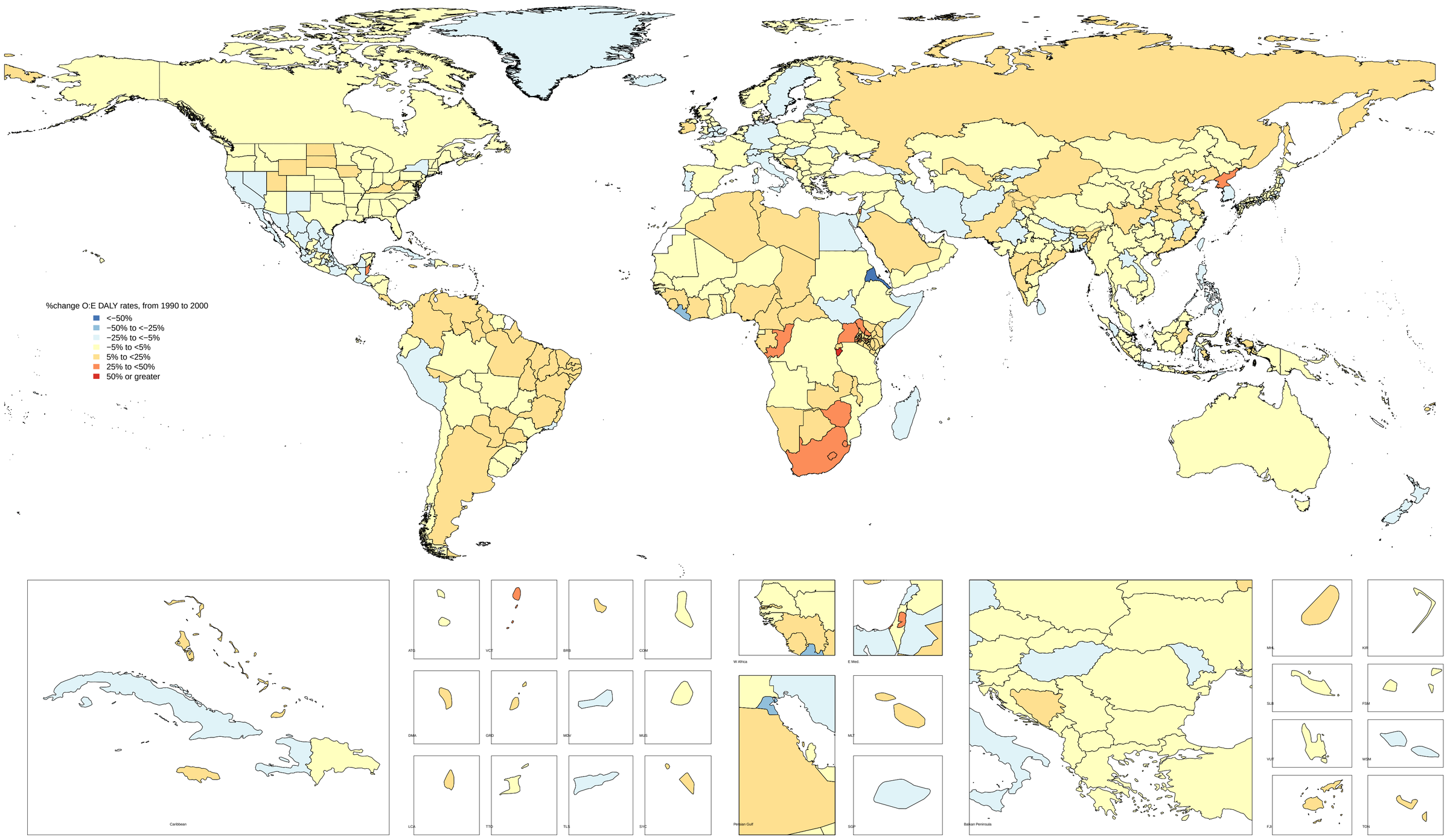

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eFigure 5e: Map of percent change for observed to expected (O:E) all−cause DALY rates from 1990 to 2000, 2000 to 2017 for <1, 1−4, 5−9, 10−19 years

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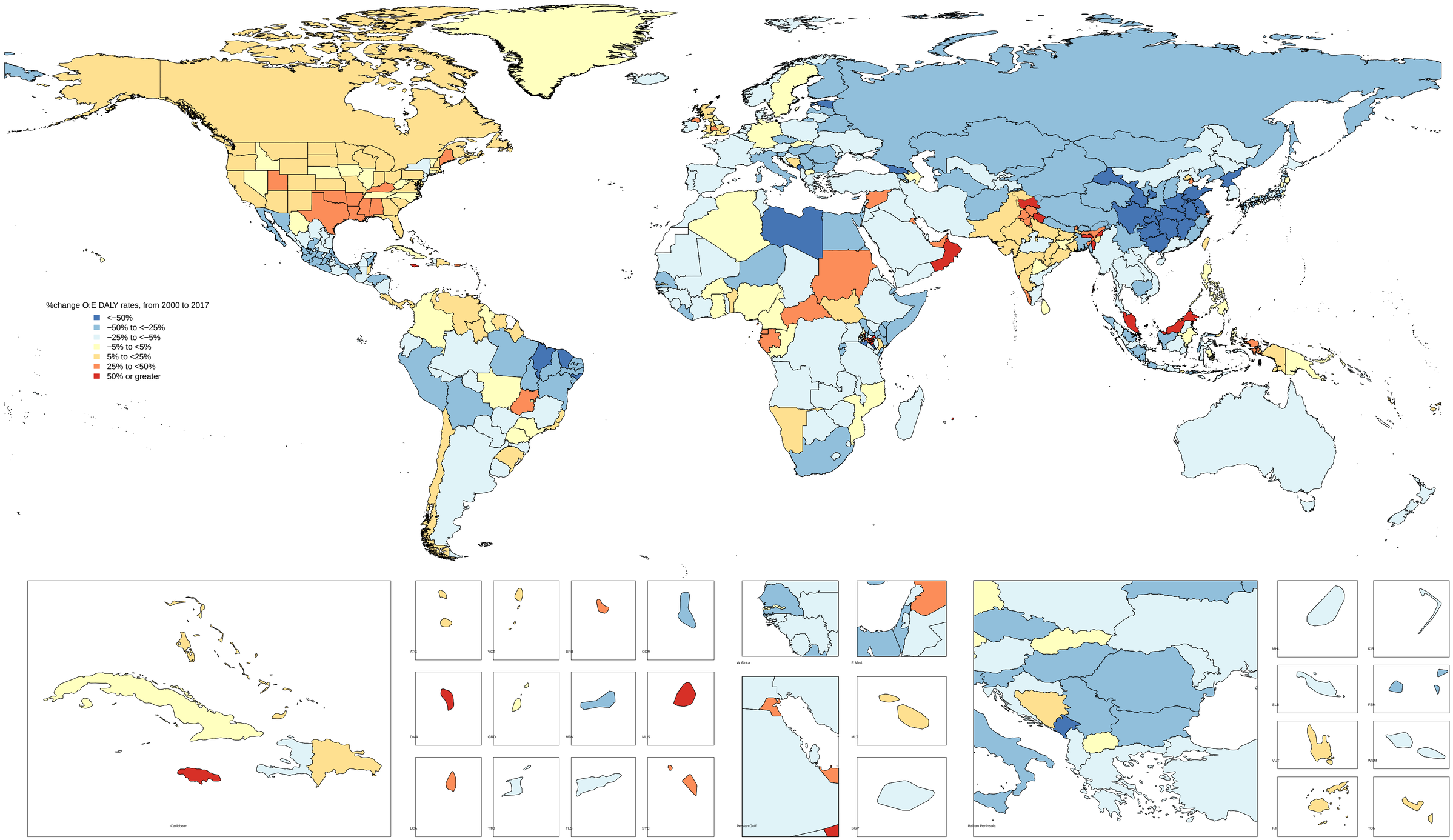

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eFigure 5f: Map of percent change for observed to expected (O:E) all−cause DALY rates from 1990 to 2000, 2000 to 2017 for <1, 1−4, 5−9, 10−19 years

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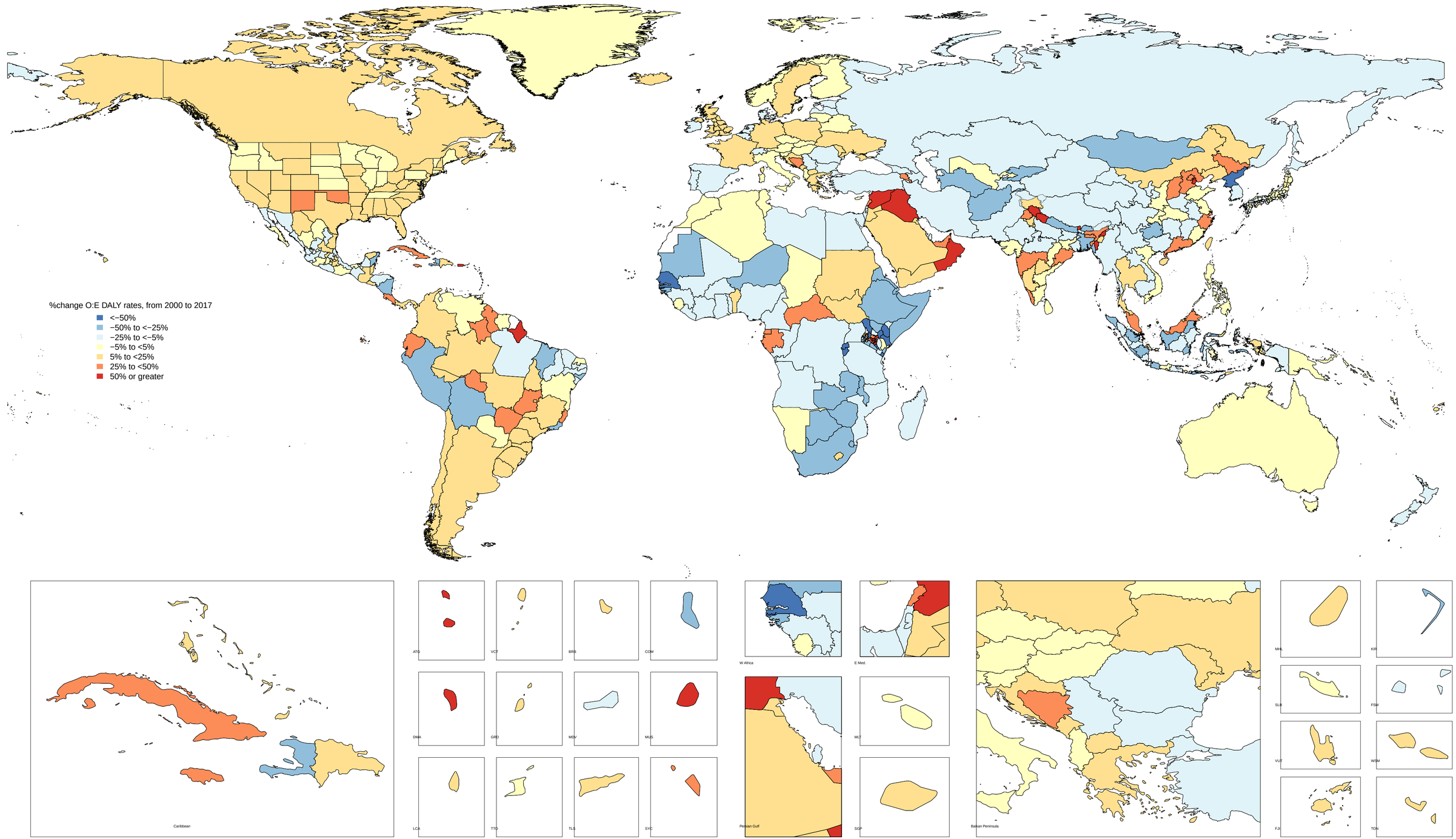

Percent changes in observed to expected disability-adjusted life years (DALYs) are plotted for different time periods and age groups. Panels A-D display changes from 1990 to 2000. Panels E-H display changes from 2000 to 2017. Panels A and E show changes for children less than 1; panels B and F show changes for children between 1 and 4; panels C and G show changes for children between 5 and 9; and panels D and H show changes for children between 10 and 19. For all plots, both sexes are combined. Subnational differentiation occurs within each country GBD models at the subnational level. Inset plots provided for detailed inspection of small or clustered regions. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease, ATG = Antigua and Barbuda, DMA = Dominica, LCA = Saint Lucia, VCT = Saint Vincent and the Grenadines, GRD = Grenada, TTO = Trinidad and Tobago, BRB = Barbados, MDV = Maldives, TLS = Timor-Leste, COM = Comoros, MUS = Mauritius, SYC = Seychelles, MLT = Malta, SGP = Singapore, MHL = Marshall Islands, SLB = Solomon Islands, VUT = Vanuatu, FJI = Fiji, KIR = Kiribati, FSM = Federated States of Micronesia, WSM = Samoa, TON = Tonga

eFigure 5g: Map of percent change for observed to expected (O:E) all−cause DALY rates from 1990 to 2000, 2000 to 2017 for <1, 1−4, 5−9, 10−19 years

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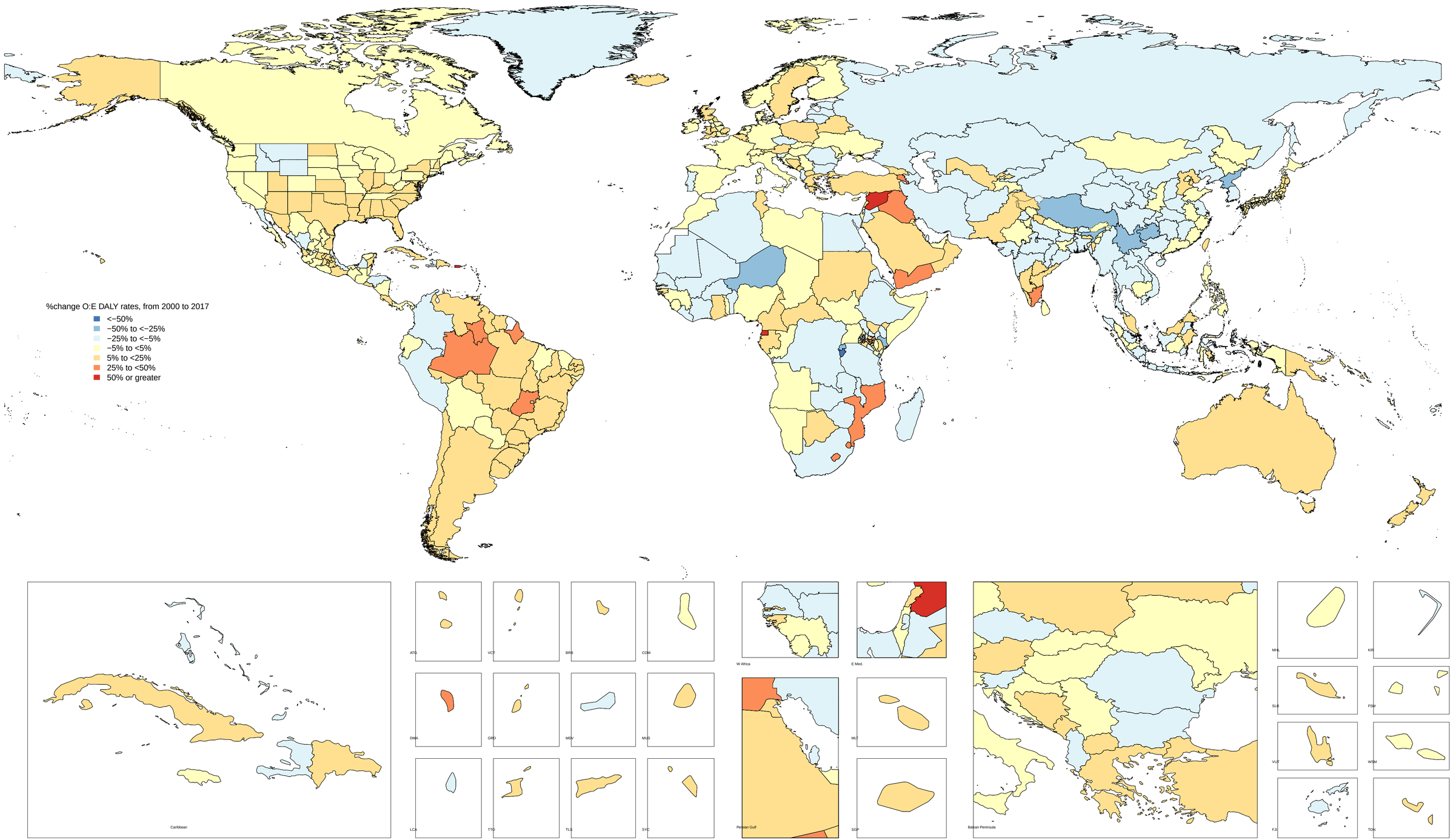

Percent changes in observed to expected disability-adjusted life years (DALYs) are plotted for different time periods and age groups. Panels A-D display changes from 1990 to 2000. Panels E-H display changes from 2000 to 2017. Panels A and E show changes for children less than 1; panels B and F show changes for children between 1 and 4; panels C and G show changes for children between 5 and 9; and panels D and H show changes for children between 10 and 19. For all plots, both sexes are combined. Subnational differentiation occurs within each country GBD models at the subnational level. Inset plots provided for detailed inspection of small or clustered regions. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease, ATG = Antigua and Barbuda, DMA = Dominica, LCA = Saint Lucia, VCT = Saint Vincent and the Grenadines, GRD = Grenada, TTO = Trinidad and Tobago, BRB = Barbados, MDV = Maldives, TLS = Timor-Leste, COM = Comoros, MUS = Mauritius, SYC = Seychelles, MLT = Malta, SGP = Singapore, MHL = Marshall Islands, SLB = Solomon Islands, VUT = Vanuatu, FJI = Fiji, KIR = Kiribati, FSM = Federated States of Micronesia, WSM = Samoa, TON = Tonga

eFigure 5h: Map of percent change for observed to expected (O:E) all−cause DALY rates from 1990 to 2000, 2000 to 2017 for <1, 1−4, 5−9, 10−19 years

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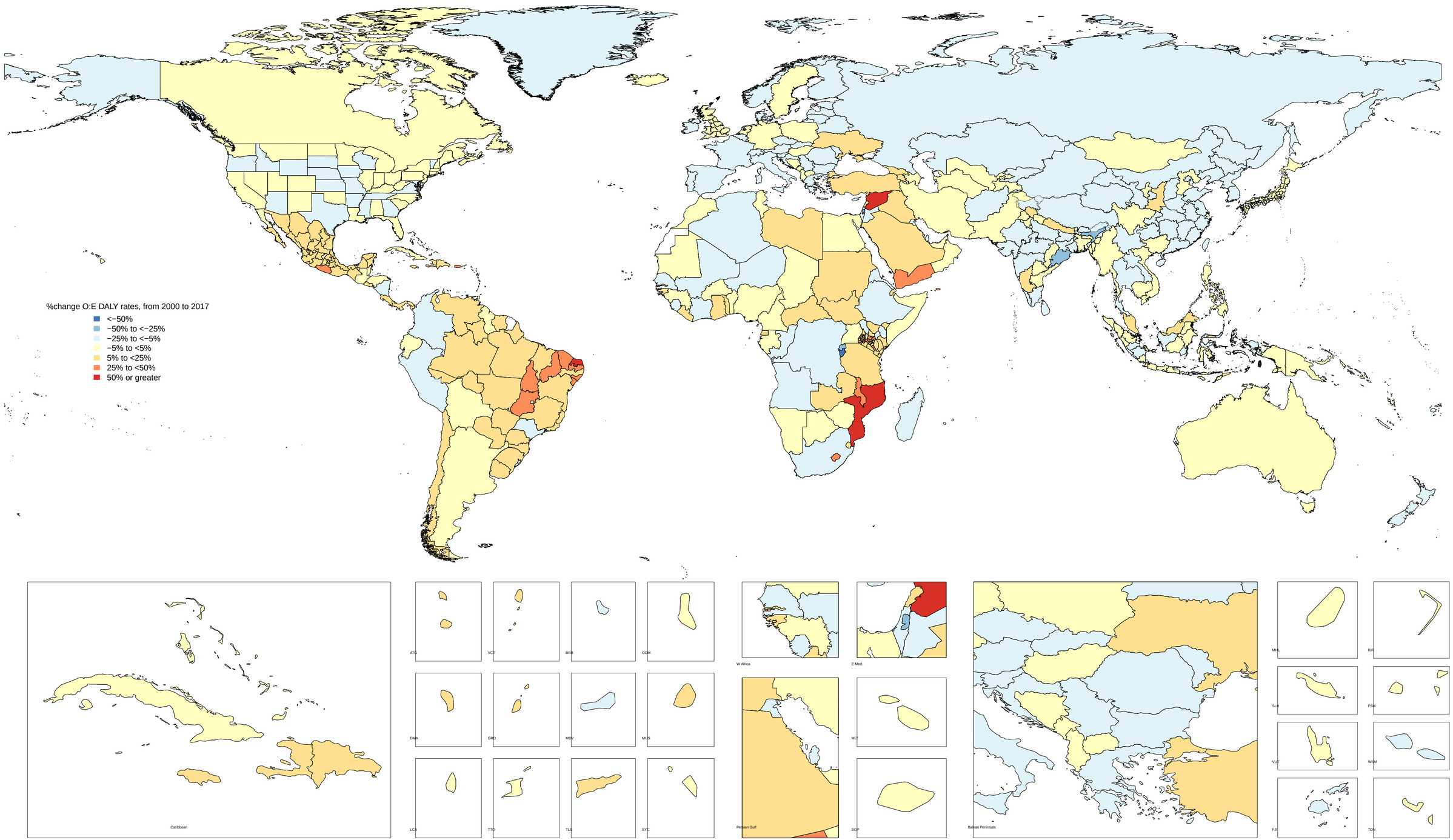

Percent changes in observed to expected disability-adjusted life years (DALYs) are plotted for different time periods and age groups. Panels A-D display changes from 1990 to 2000. Panels E-H display changes from 2000 to 2017. Panels A and E show changes for children less than 1; panels B and F show changes for children between 1 and 4; panels C and G show changes for children between 5 and 9; and panels D and H show changes for children between 10 and 19. For all plots, both sexes are combined. Subnational differentiation occurs within each country GBD models at the subnational level. Inset plots provided for detailed inspection of small or clustered regions. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease, ATG = Antigua and Barbuda, DMA = Dominica, LCA = Saint Lucia, VCT = Saint Vincent and the Grenadines, GRD = Grenada, TTO = Trinidad and Tobago, BRB = Barbados, MDV = Maldives, TLS = Timor-Leste, COM = Comoros, MUS = Mauritius, SYC = Seychelles, MLT = Malta, SGP = Singapore, MHL = Marshall Islands, SLB = Solomon Islands, VUT = Vanuatu, FJI = Fiji, KIR = Kiribati, FSM = Federated States of Micronesia, WSM = Samoa, TON = Tonga

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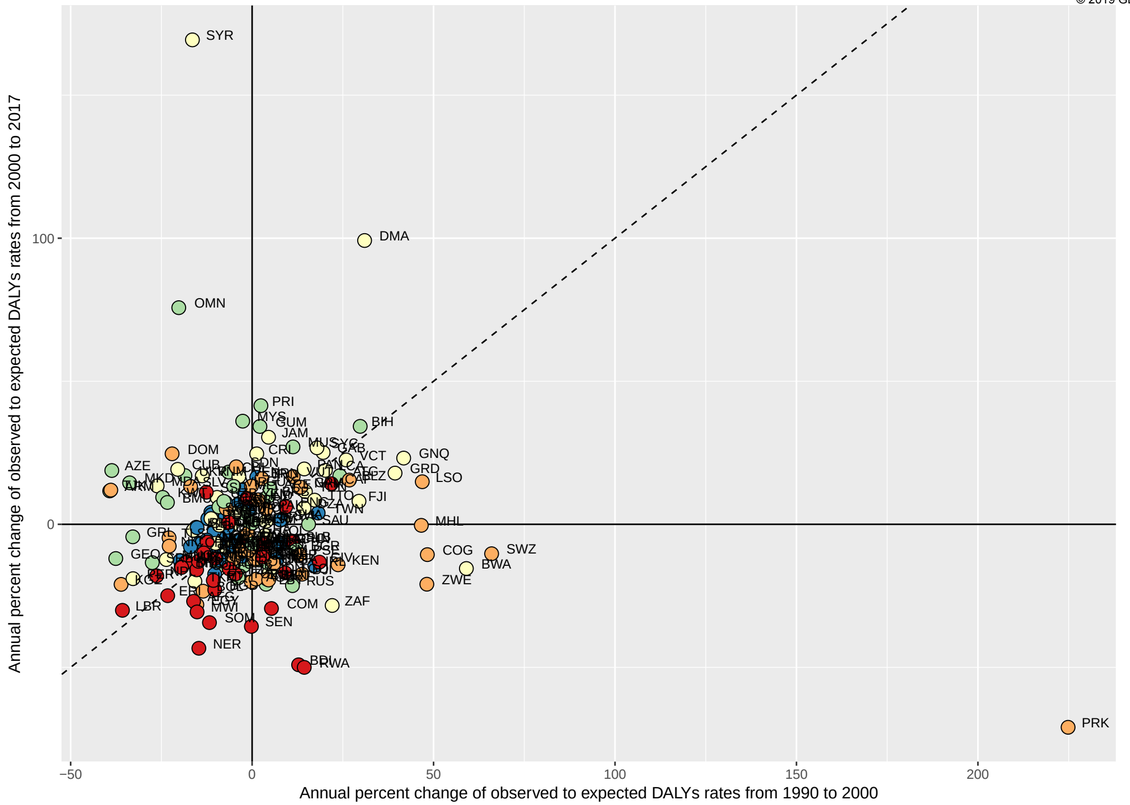
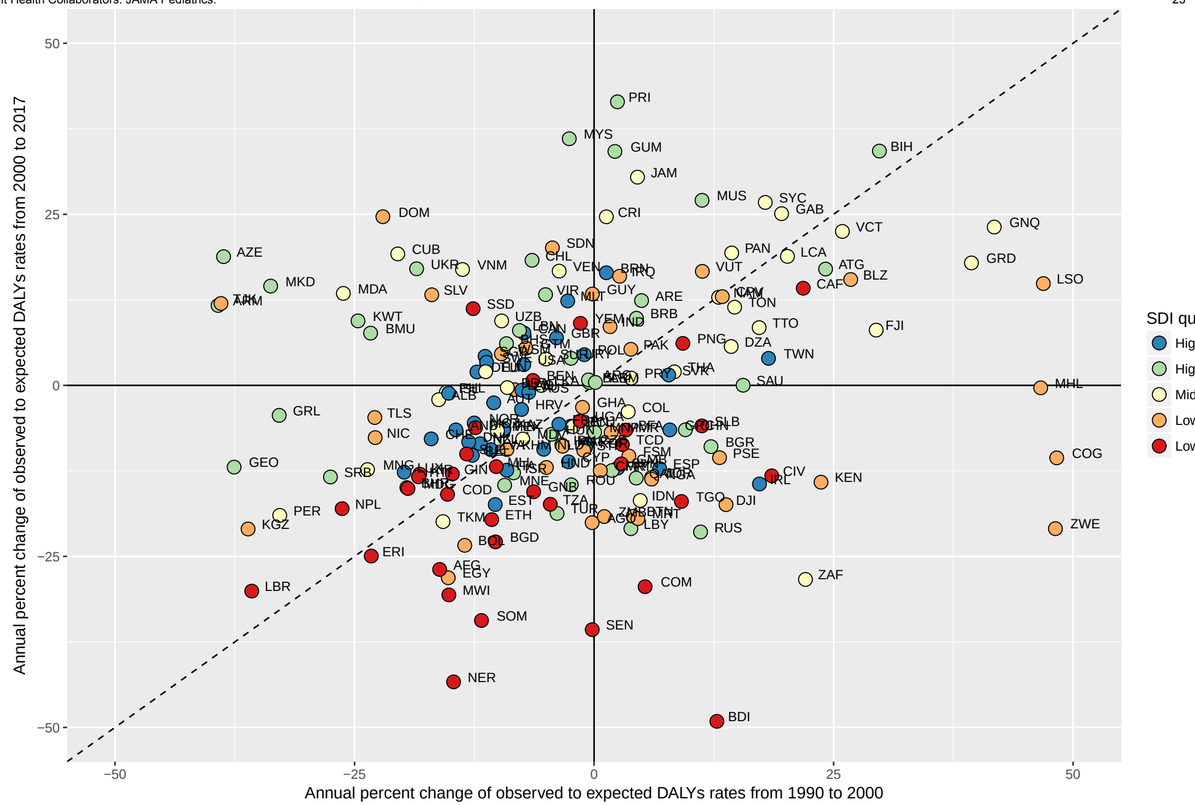
eFigure 6a. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017



eFigure 6a. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6b. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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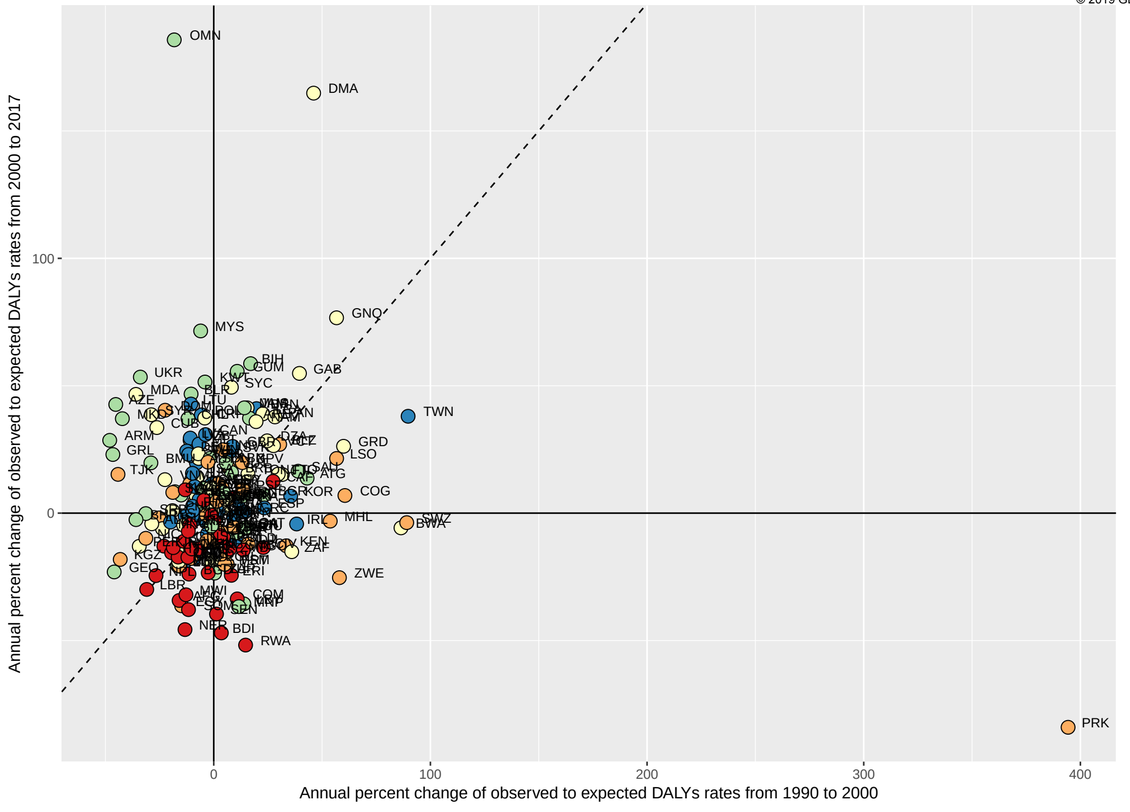
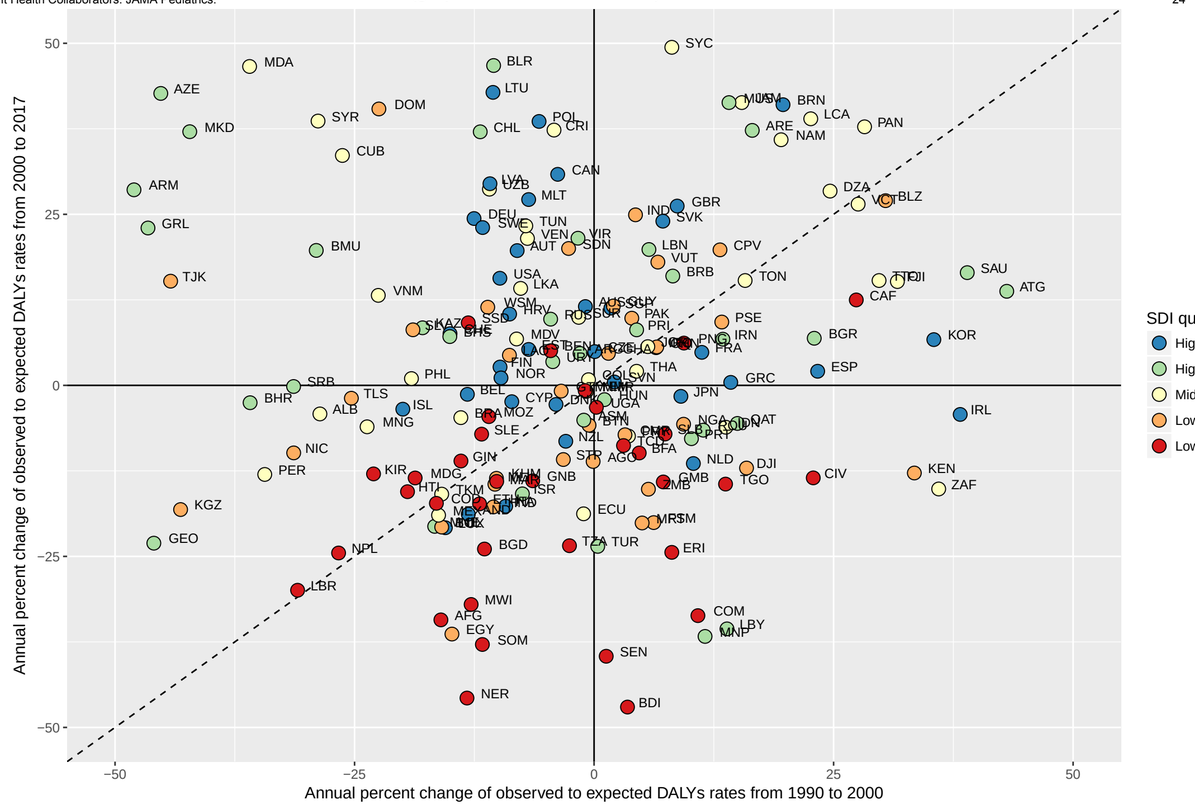


eFigure 6b. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a–d plot changes for all children and adolescents less than 20 years of age; panels e–h plot changes for children less than 1; panels i–l plot changes for children between 1 and 4; panels m–p plot changes for children between 5 and 9; and panels q–t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6c. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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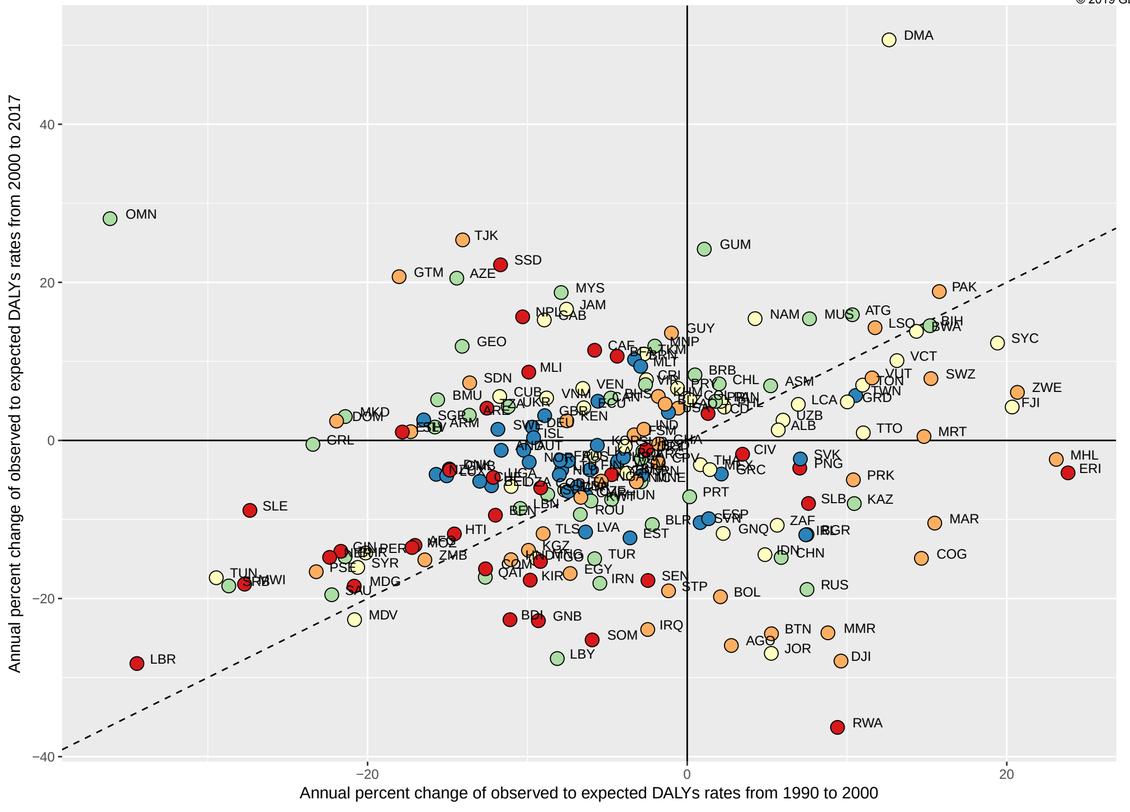
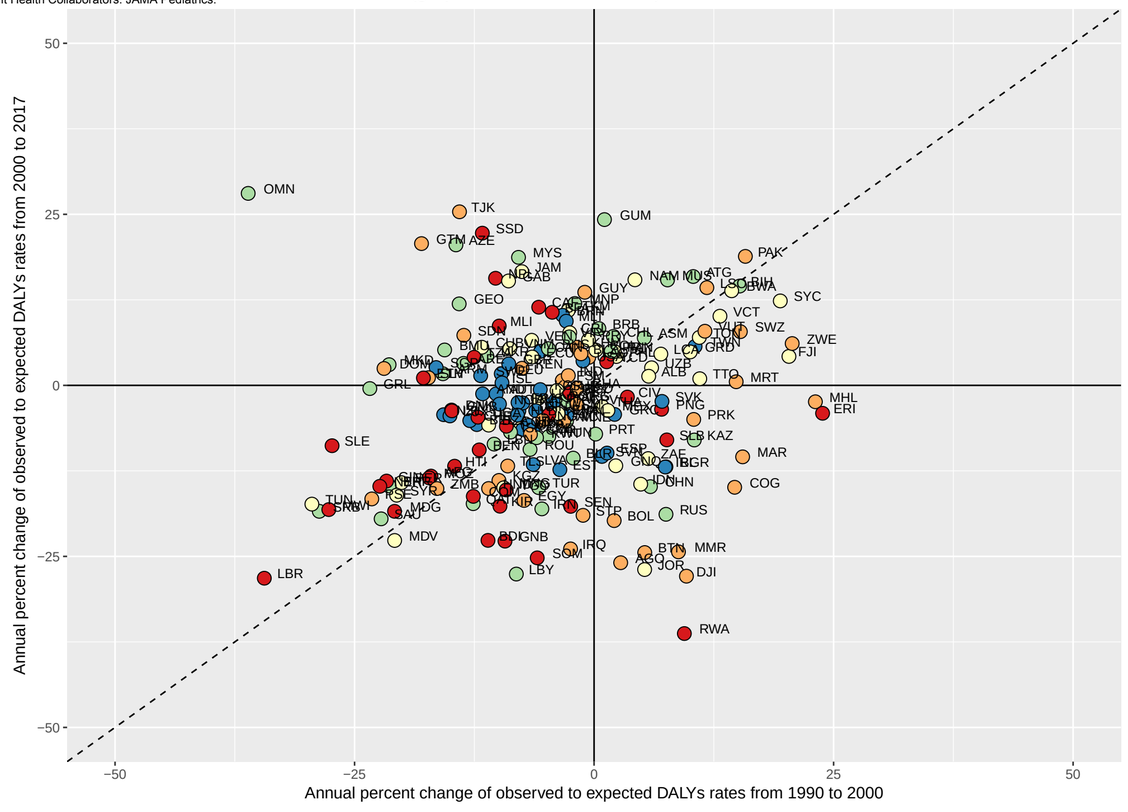


eFigure 6c. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6d. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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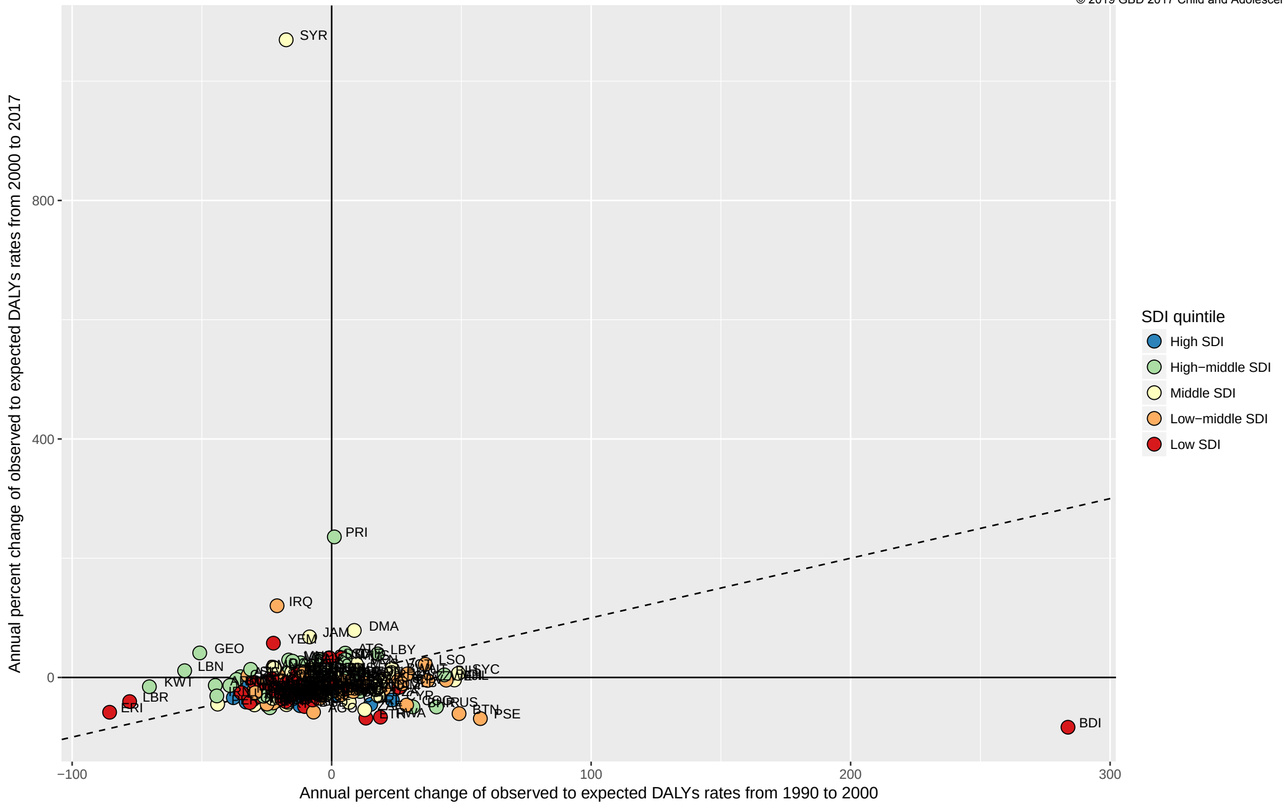
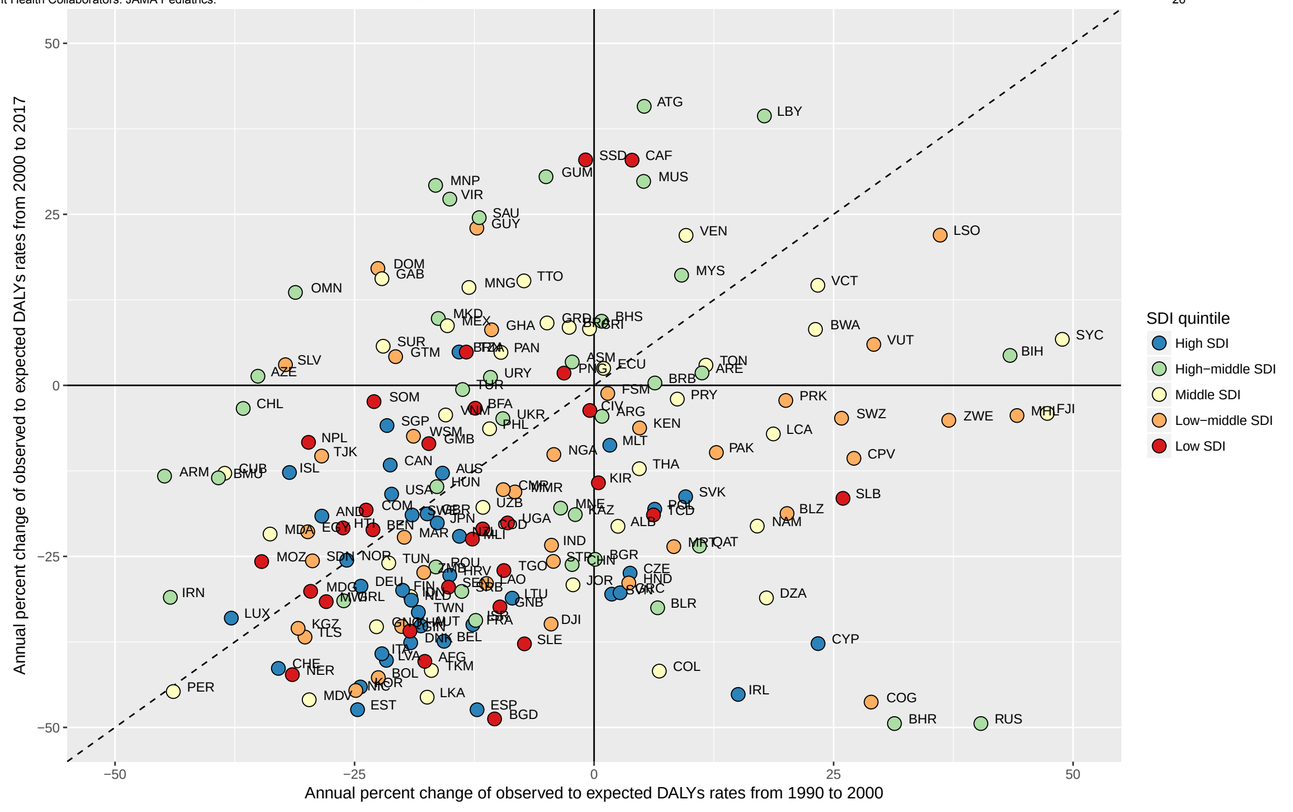


eFigure 6d. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6e. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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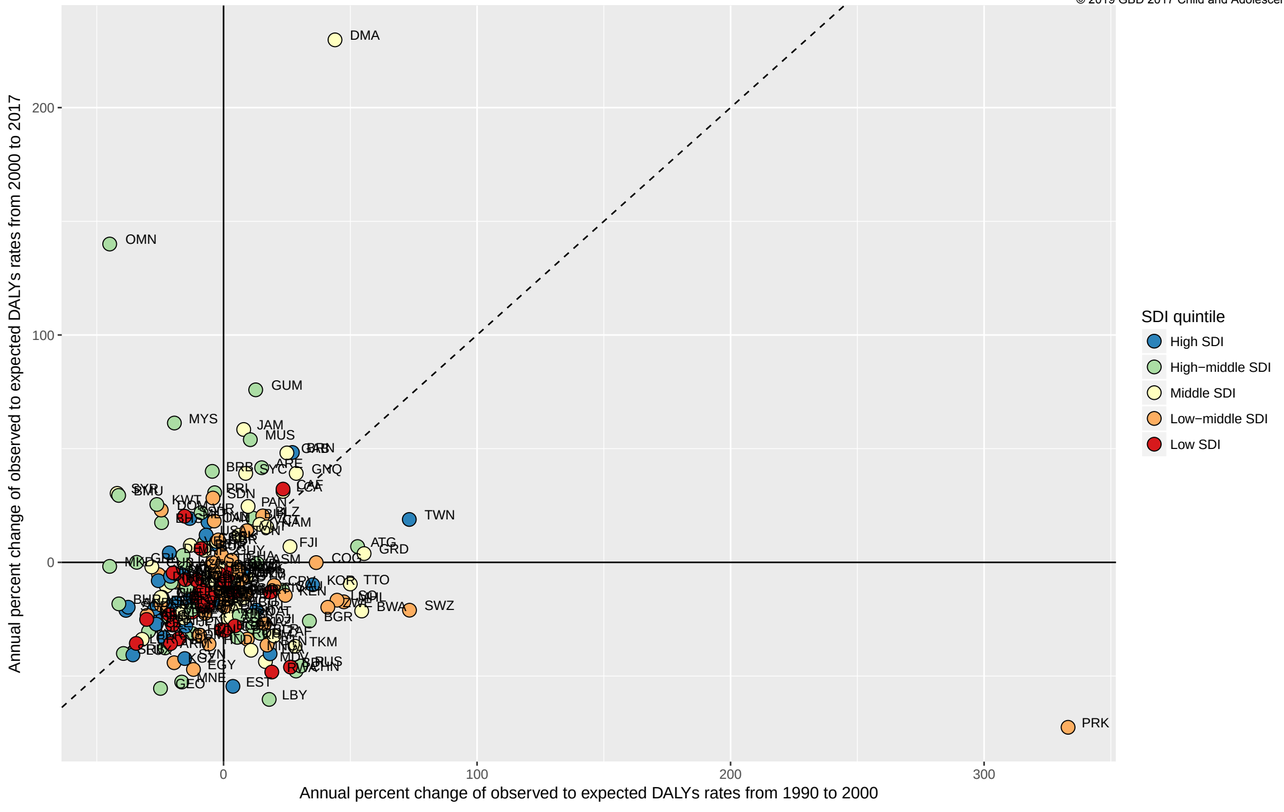
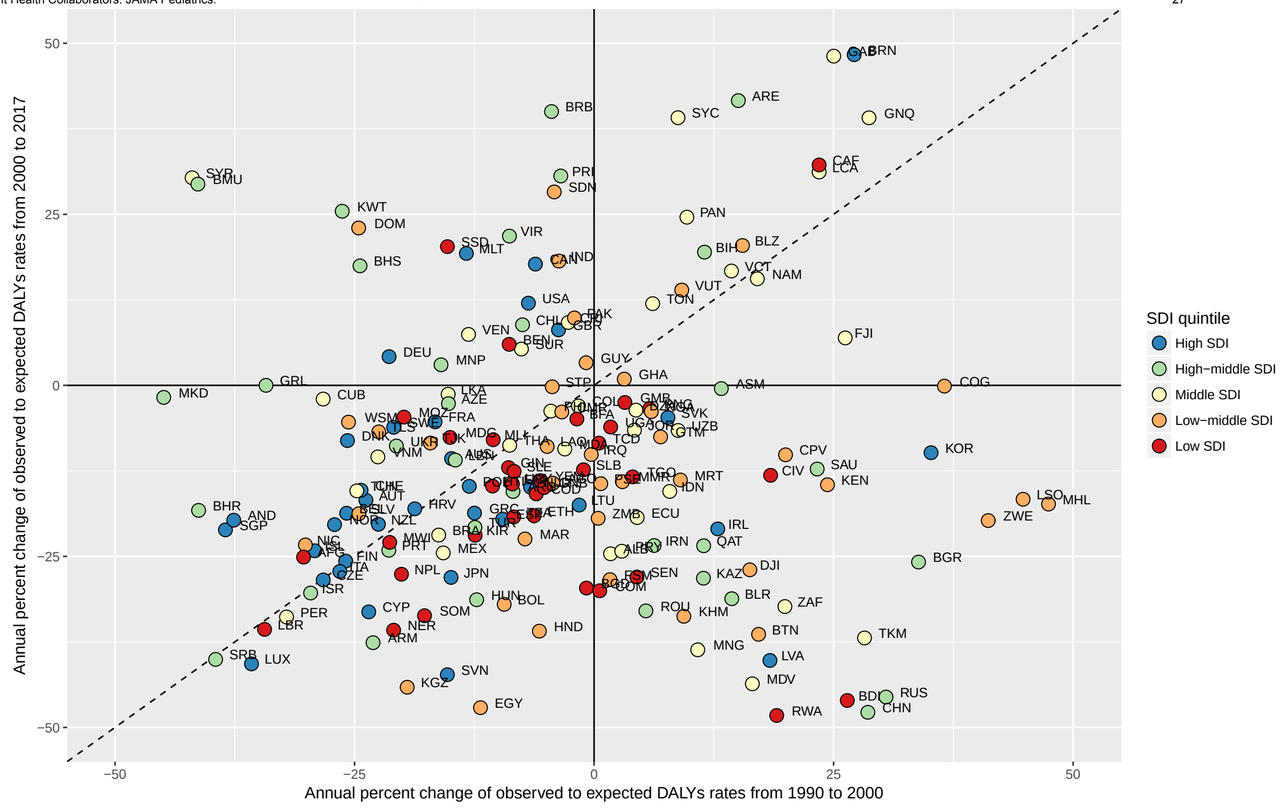


eFigure 6e. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

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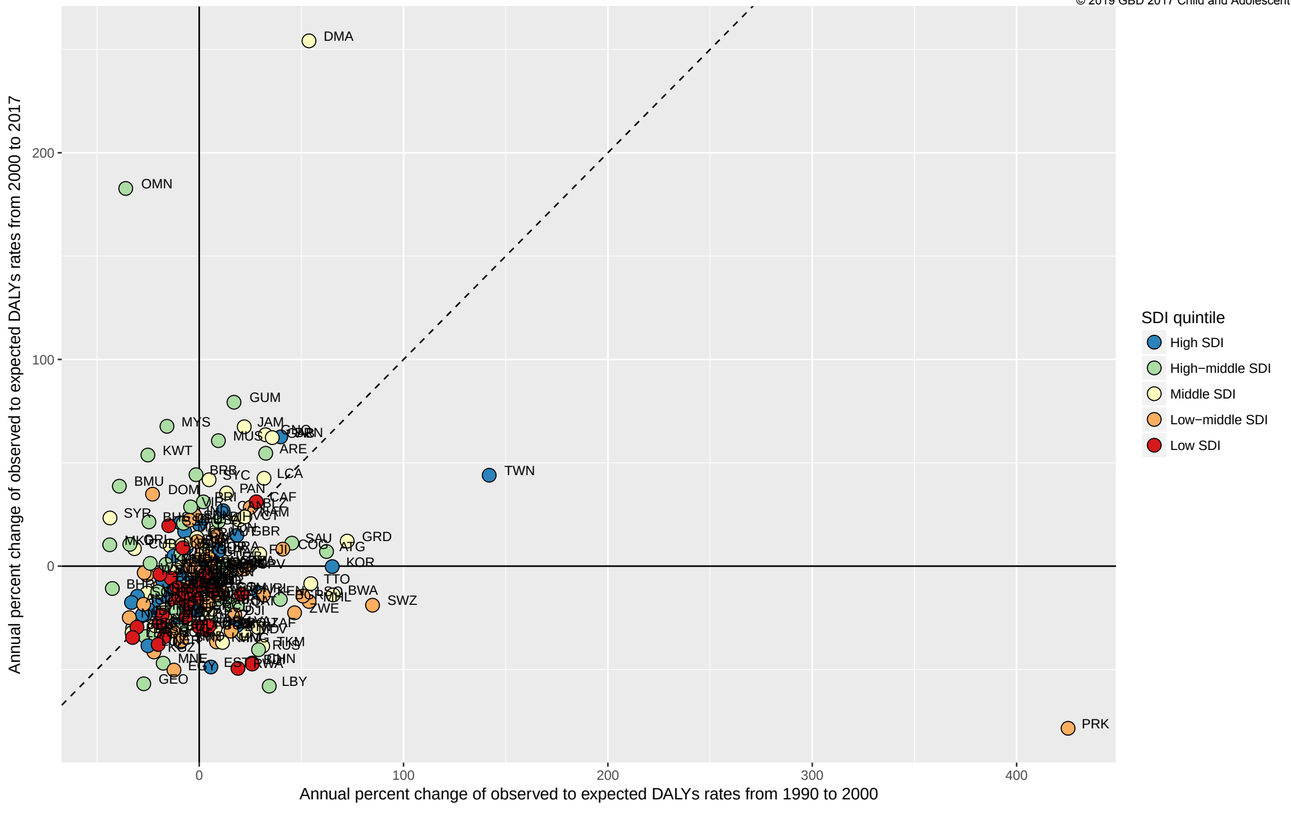
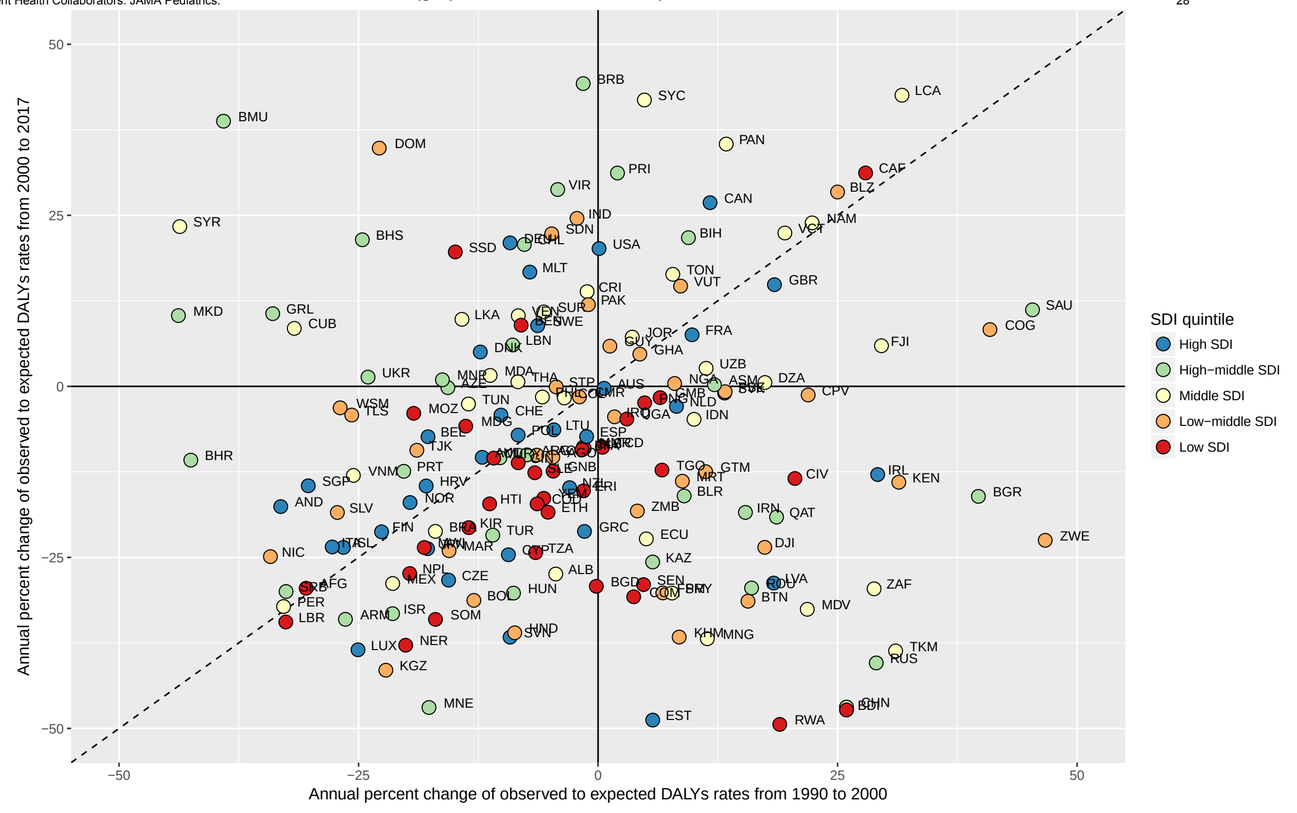


eFigure 6f. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6g. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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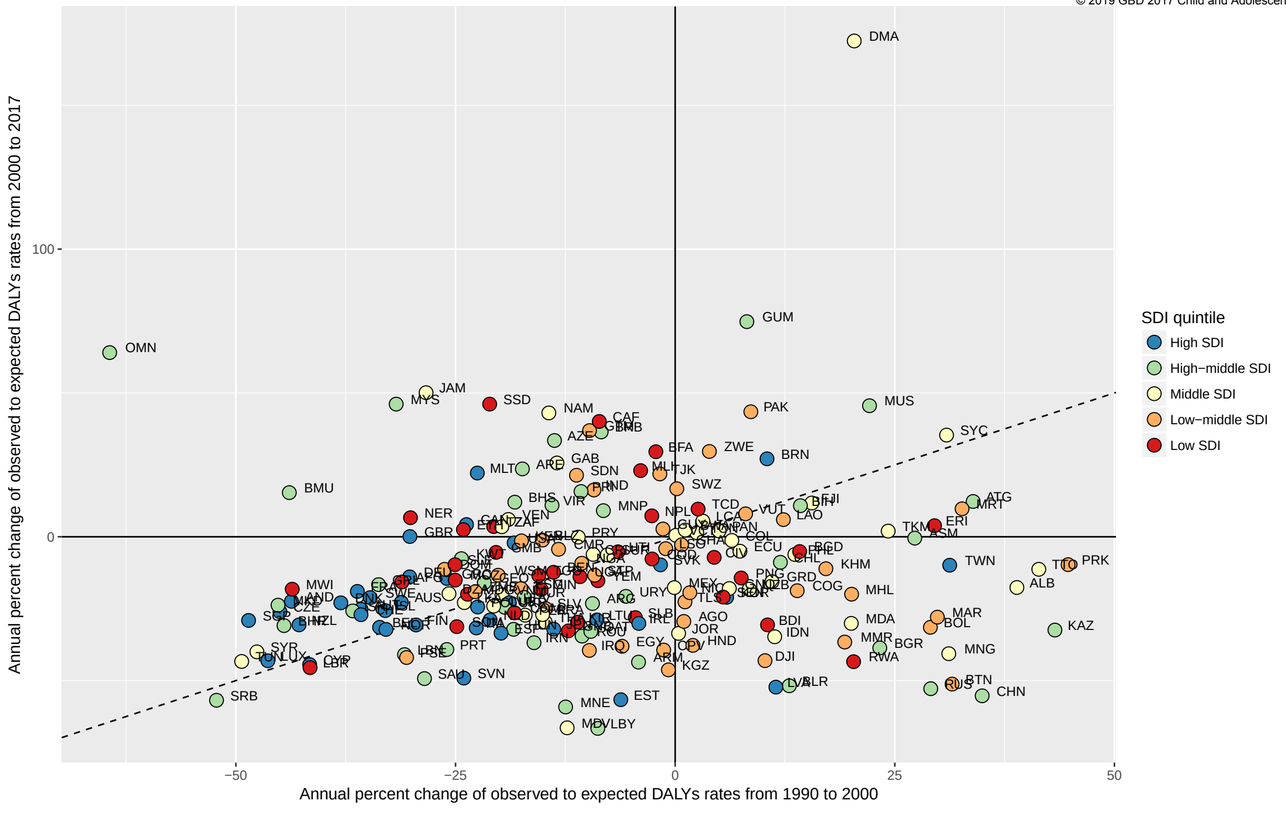
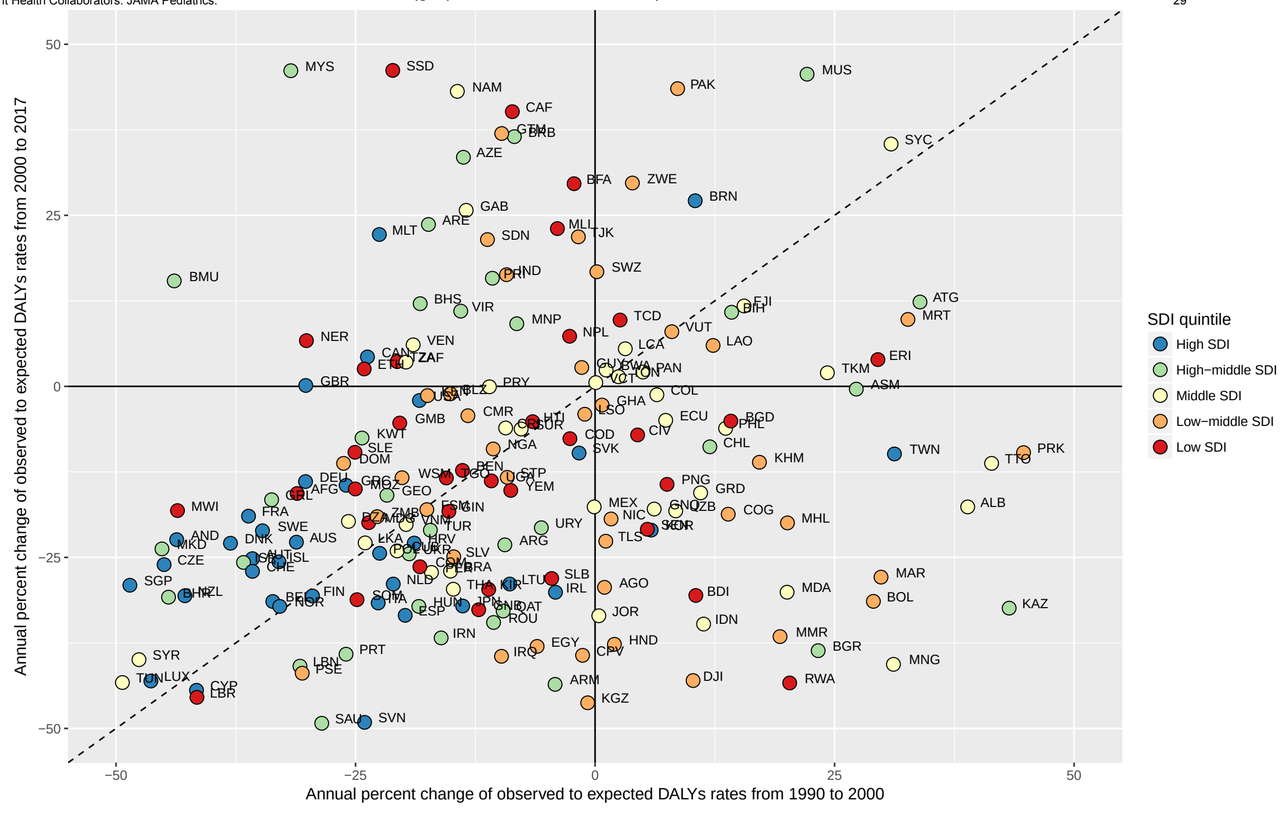


eFigure 6g. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6h. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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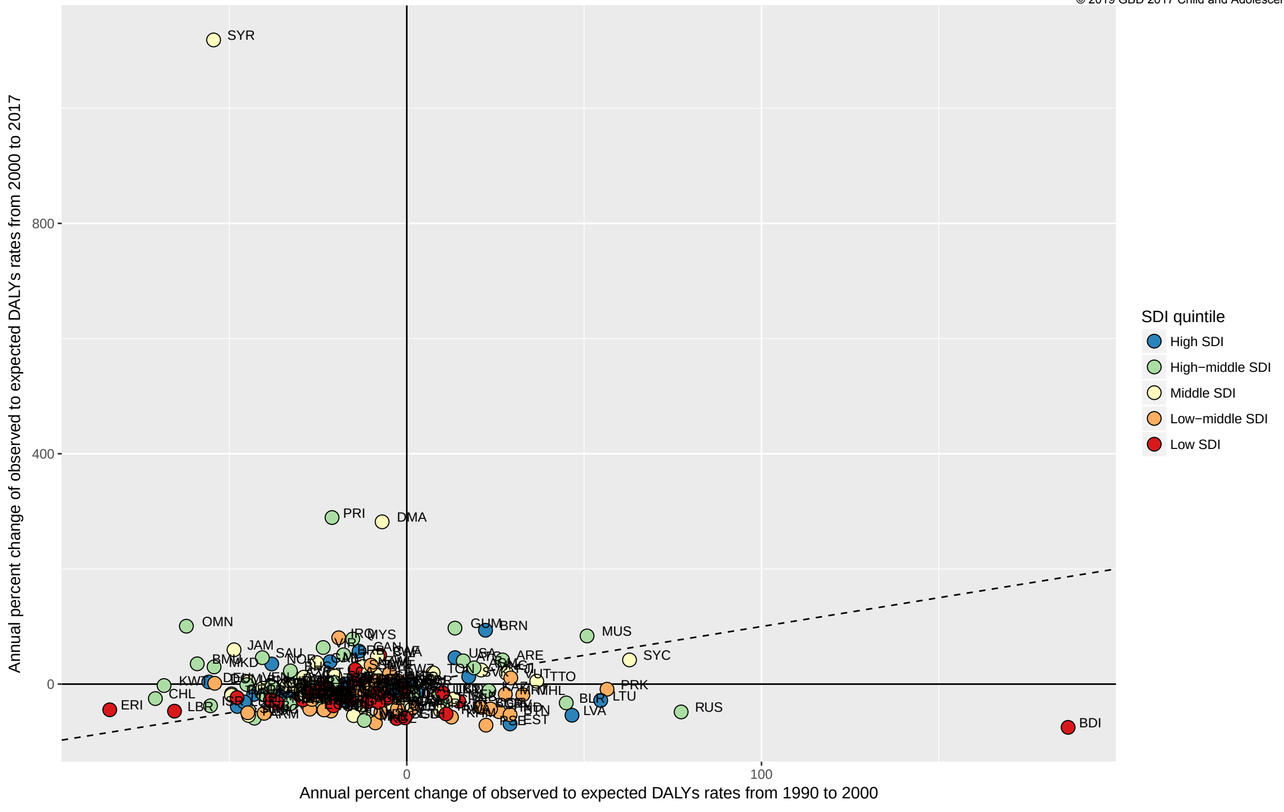
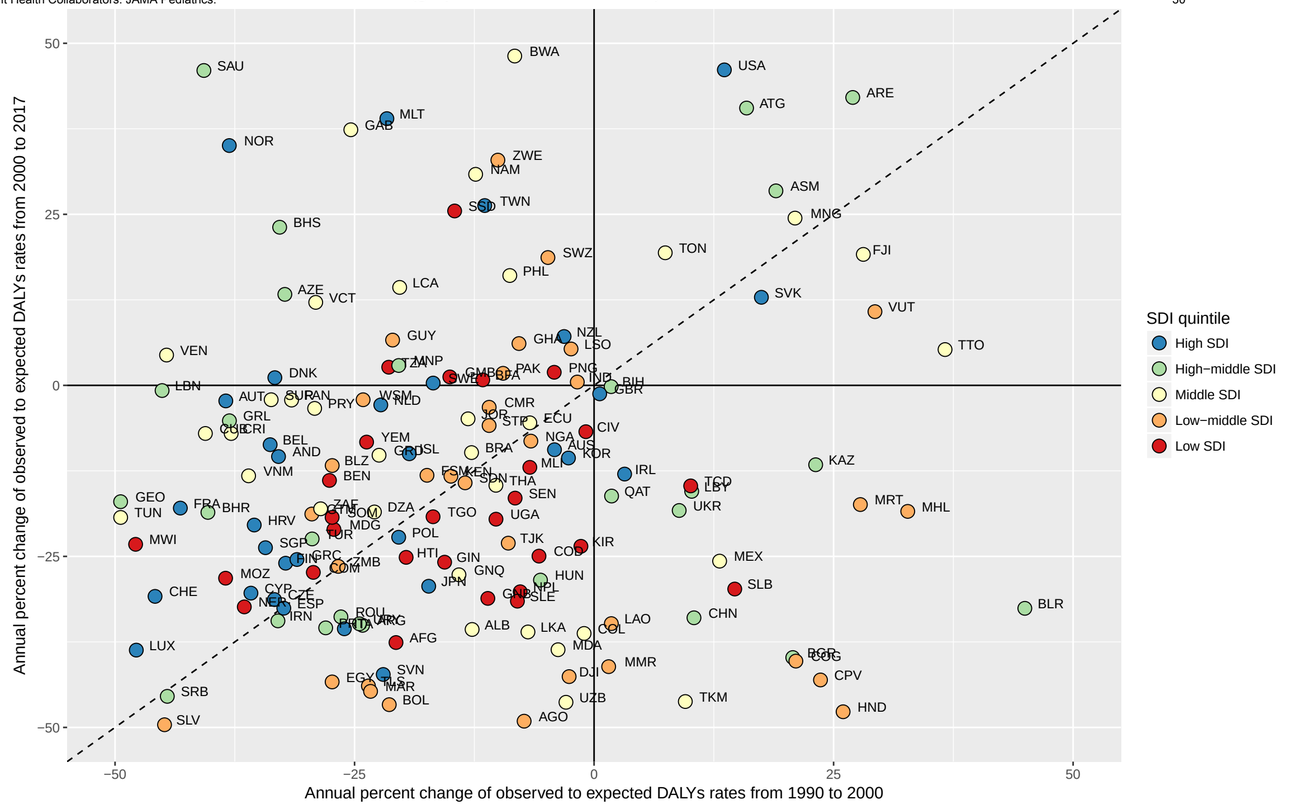


eFigure 6h. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6i. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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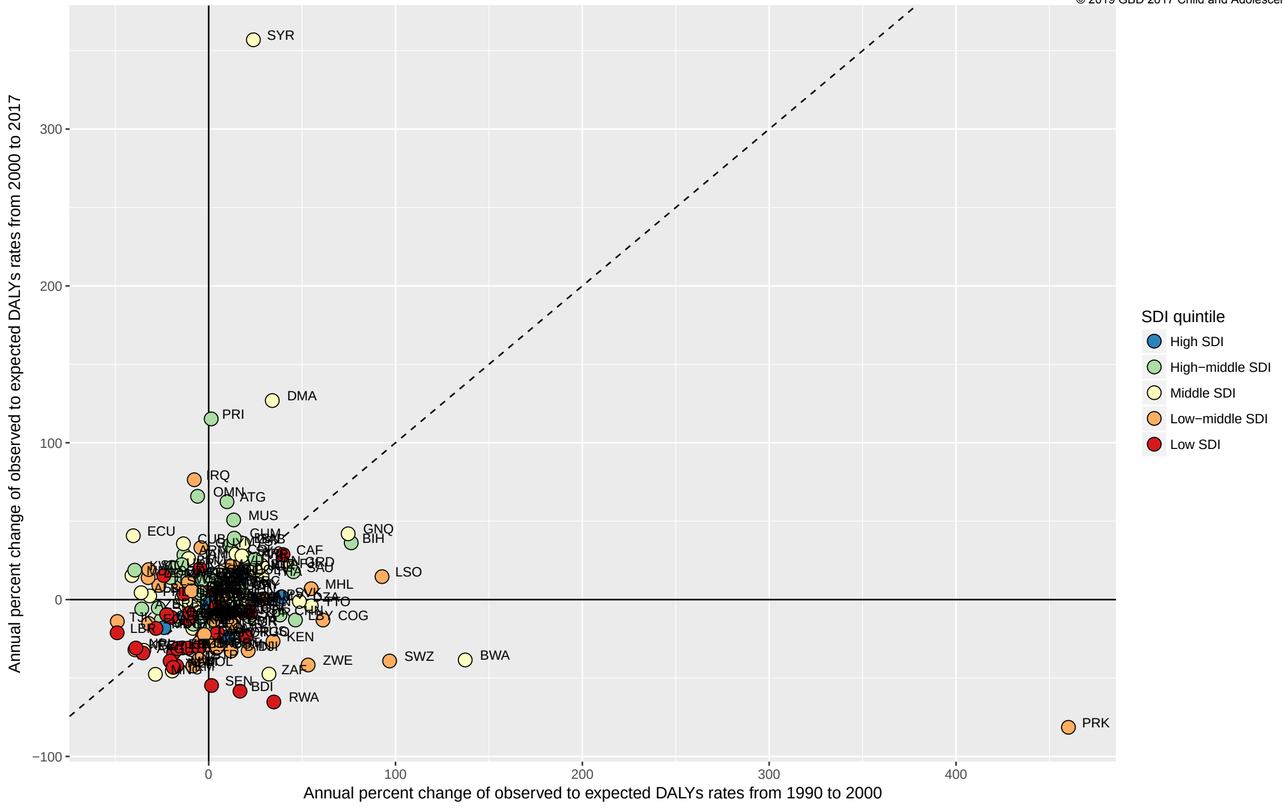
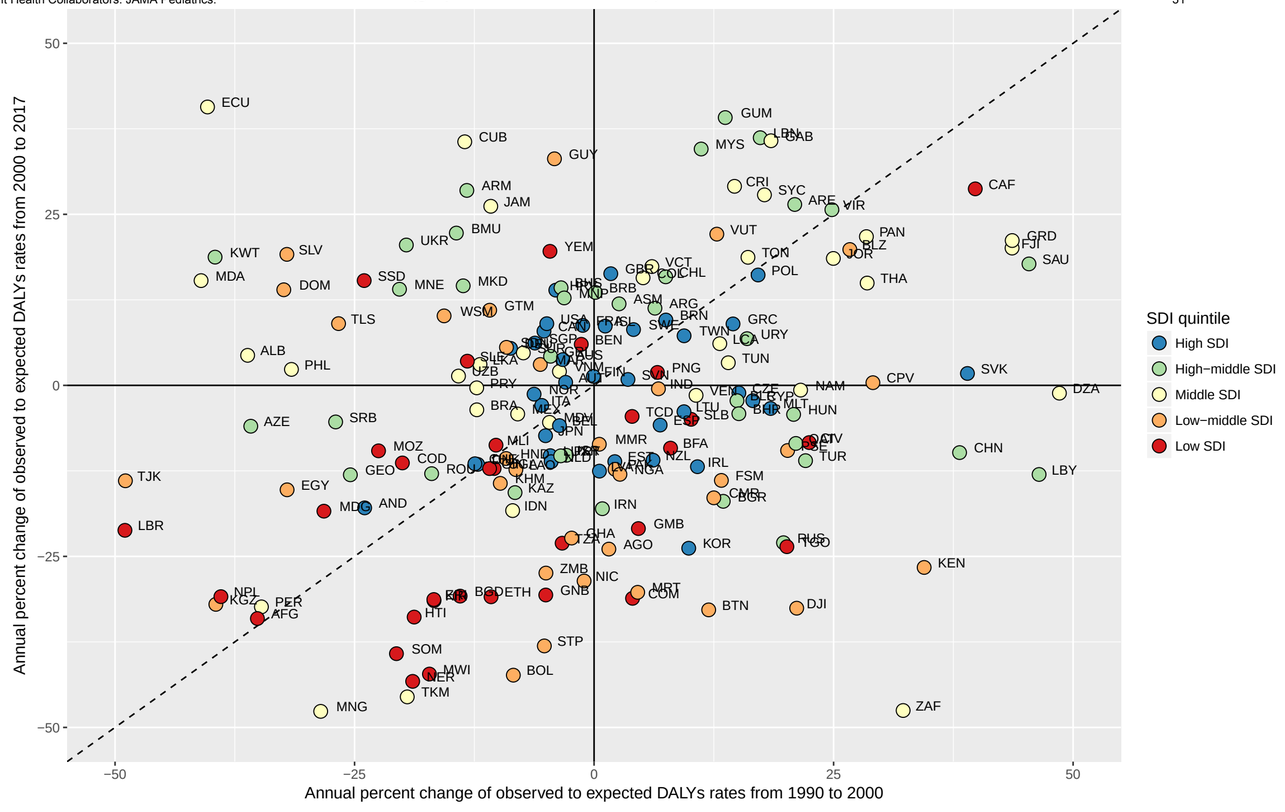


eFigure 6i. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6j. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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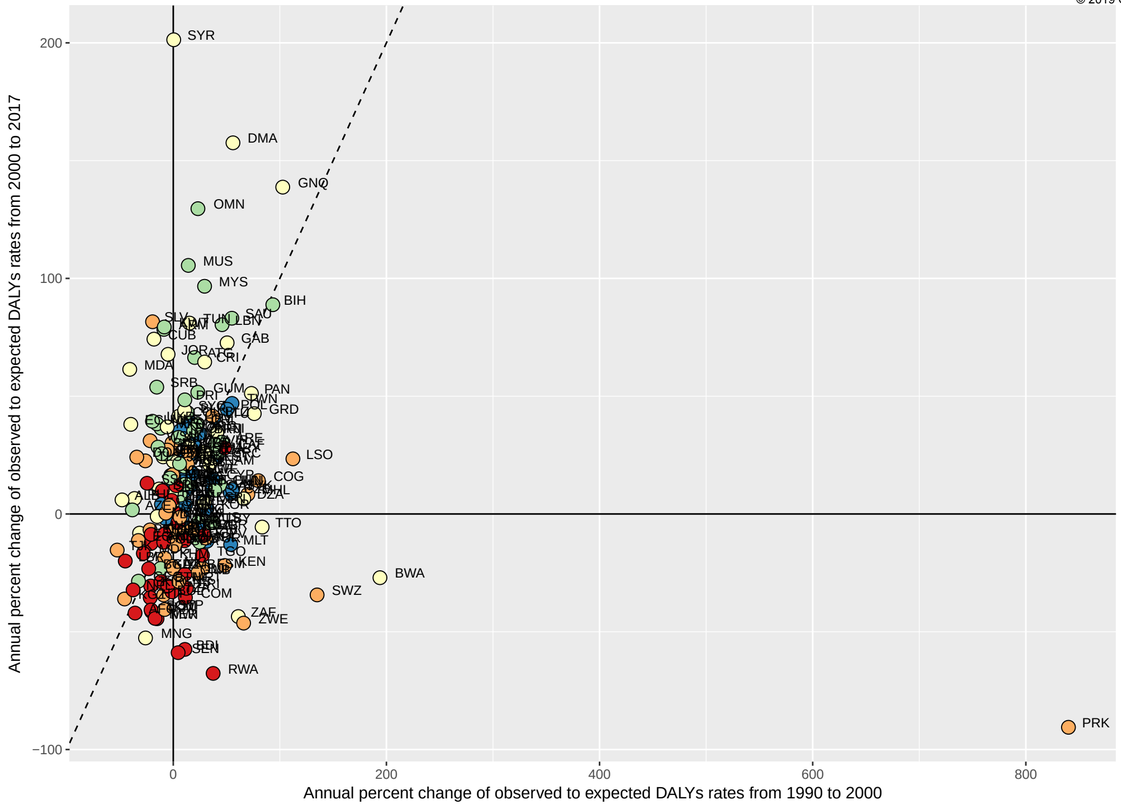
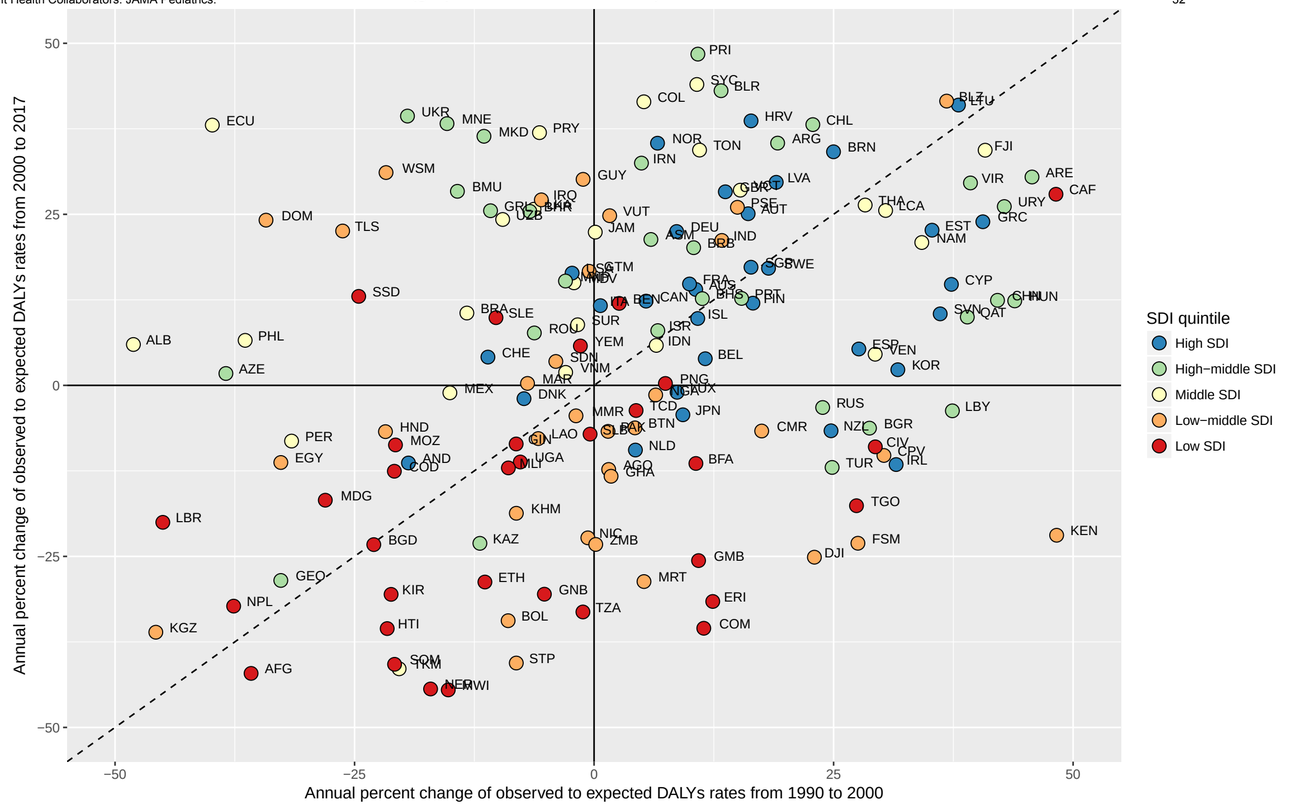


eFigure 6j. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6k. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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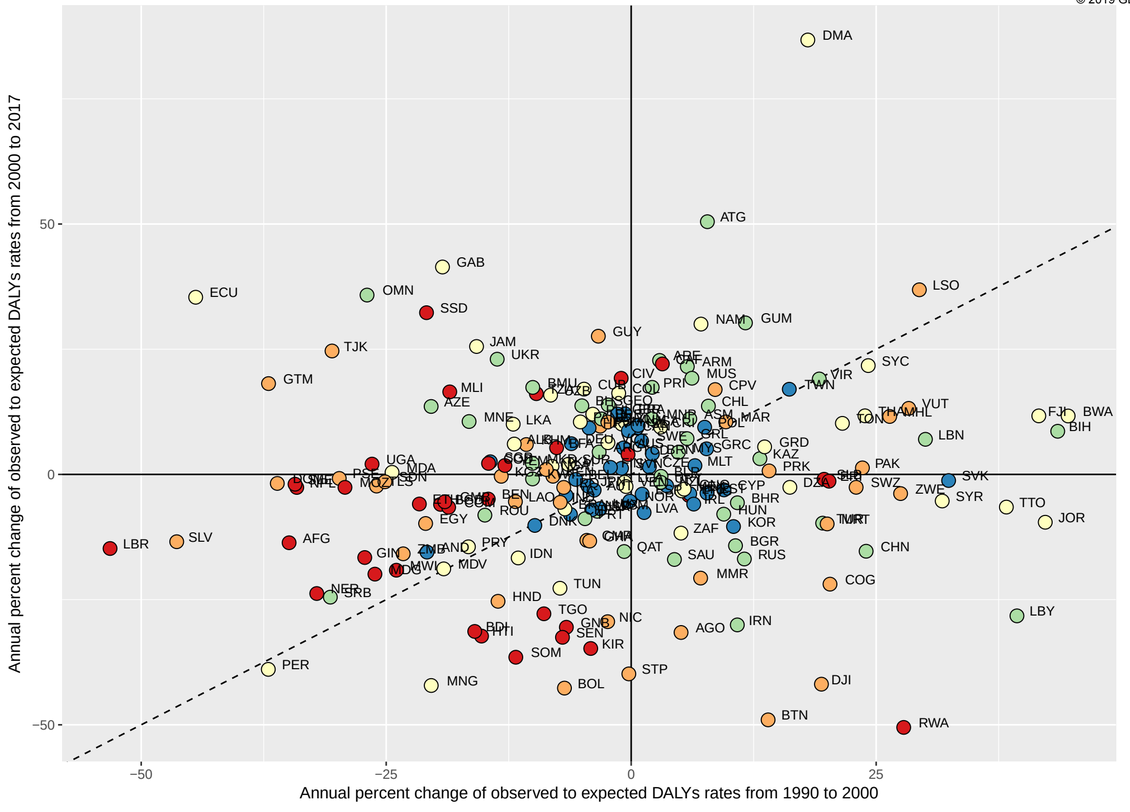
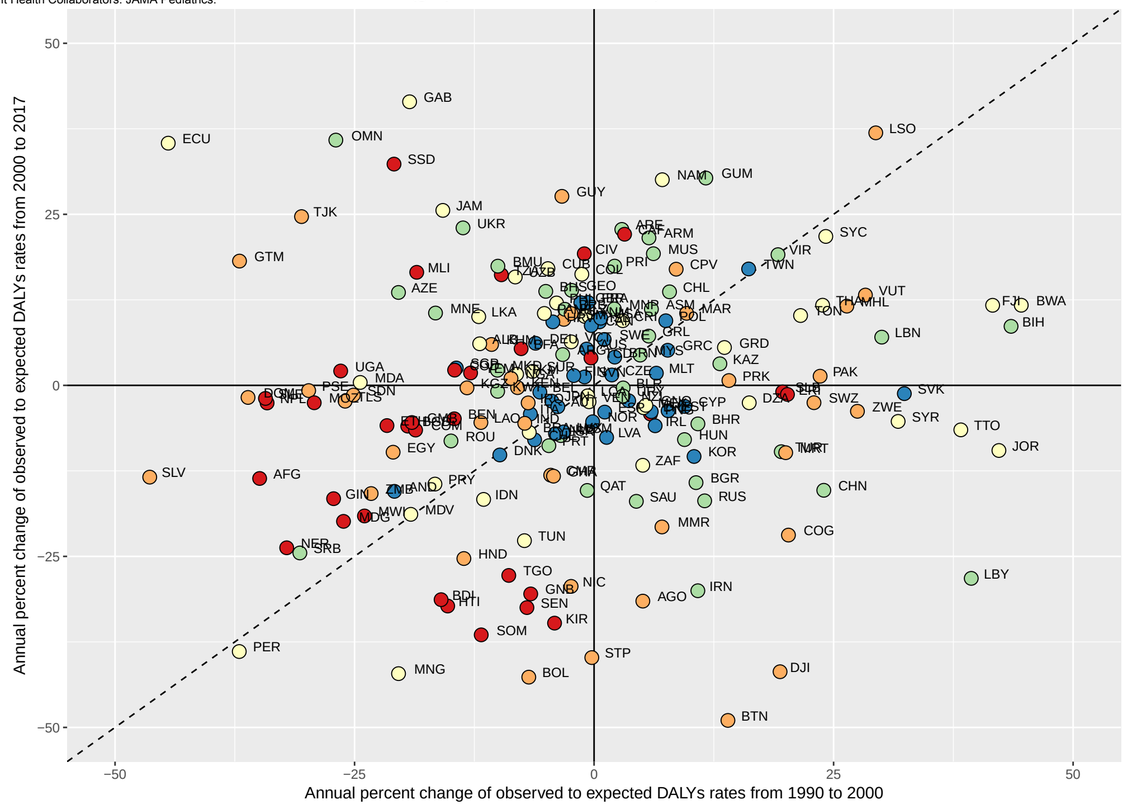


eFigure 6k. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6l. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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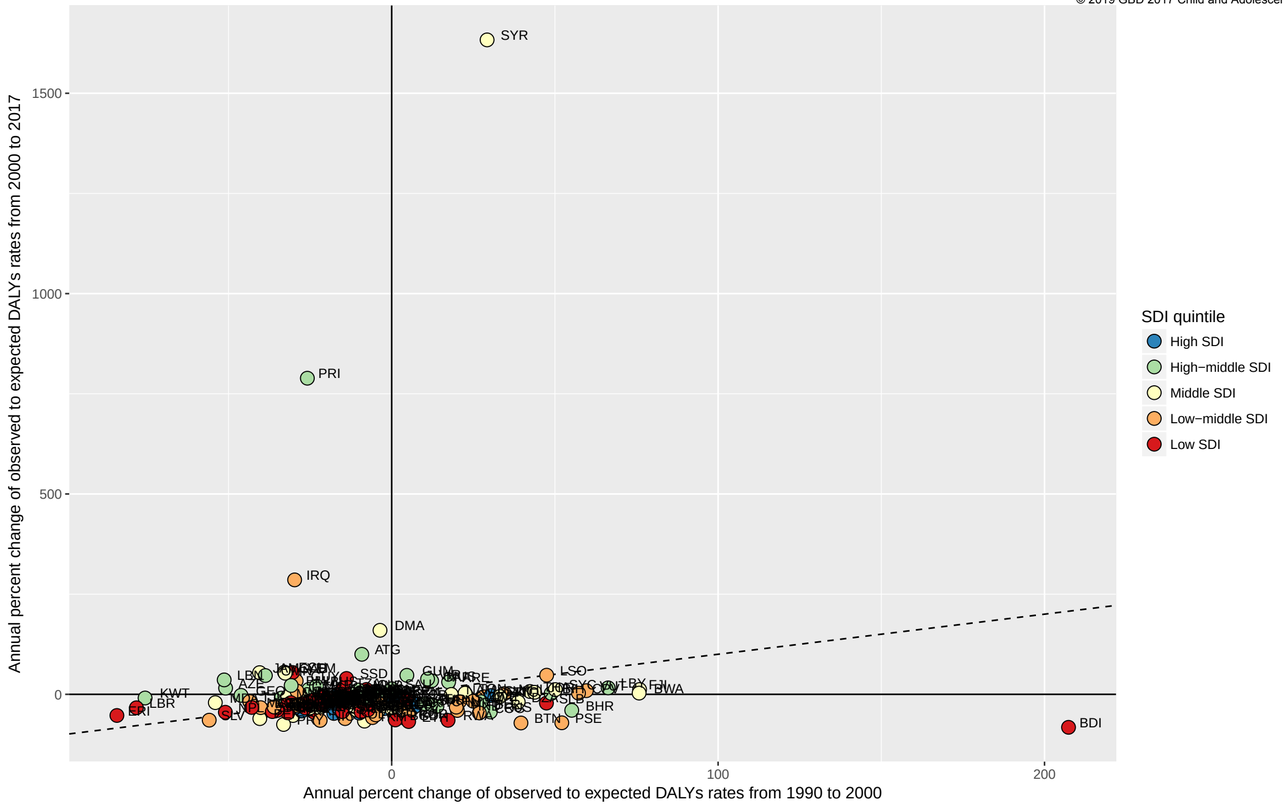
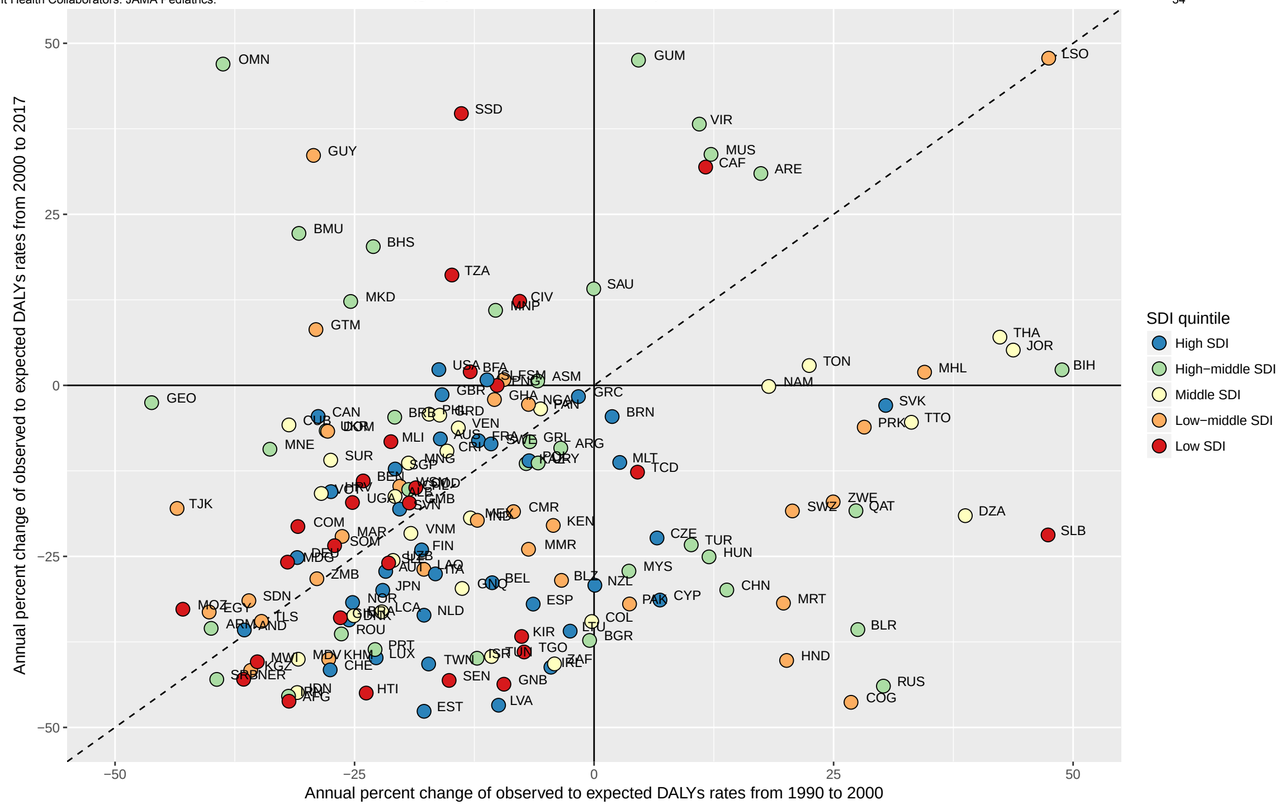


eFigure 6l. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6m. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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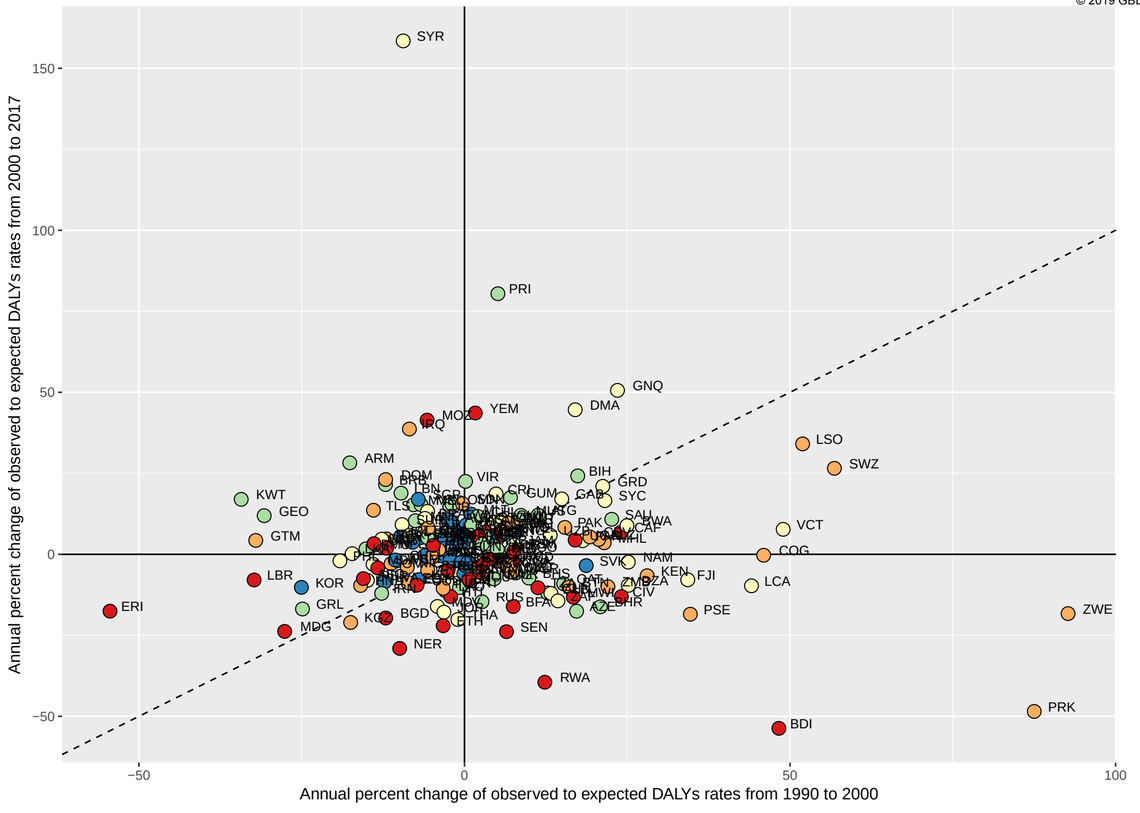
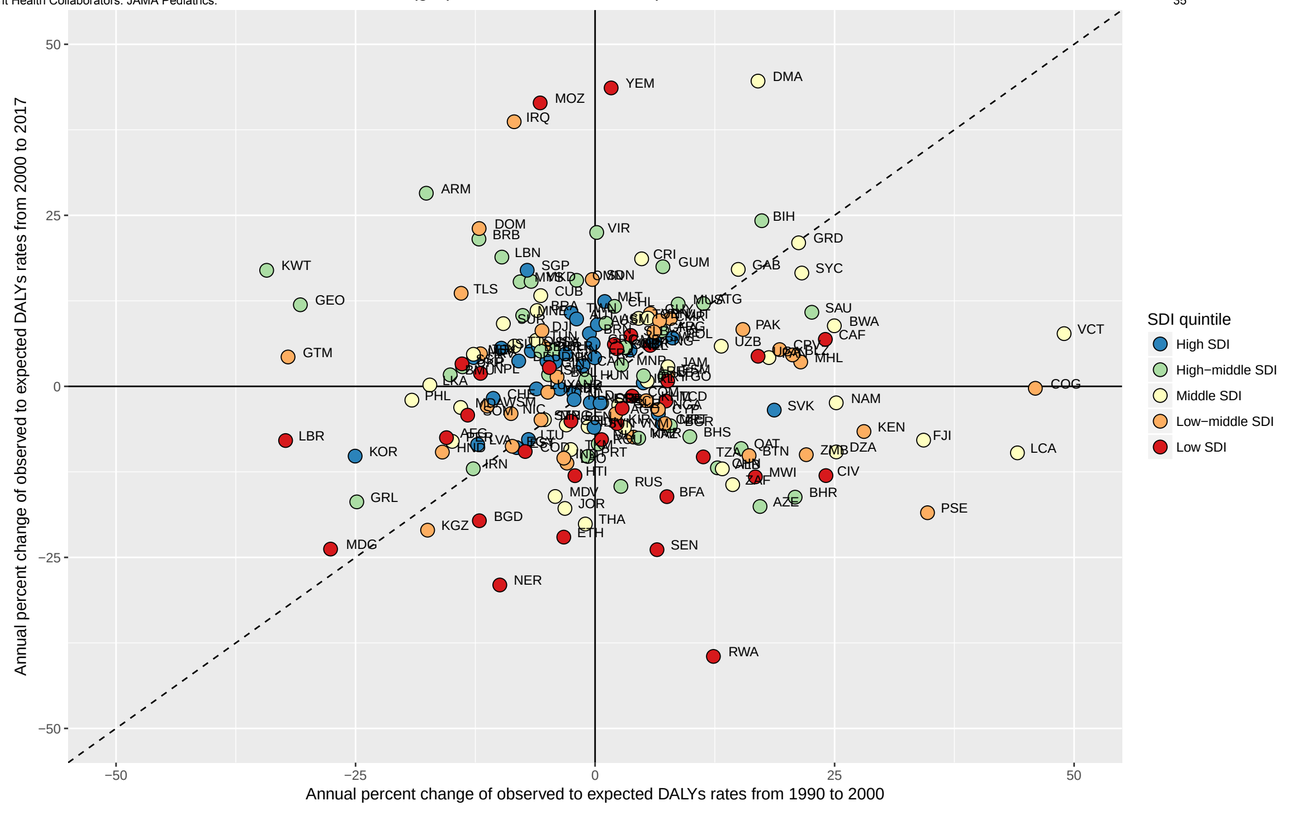


eFigure 6m. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

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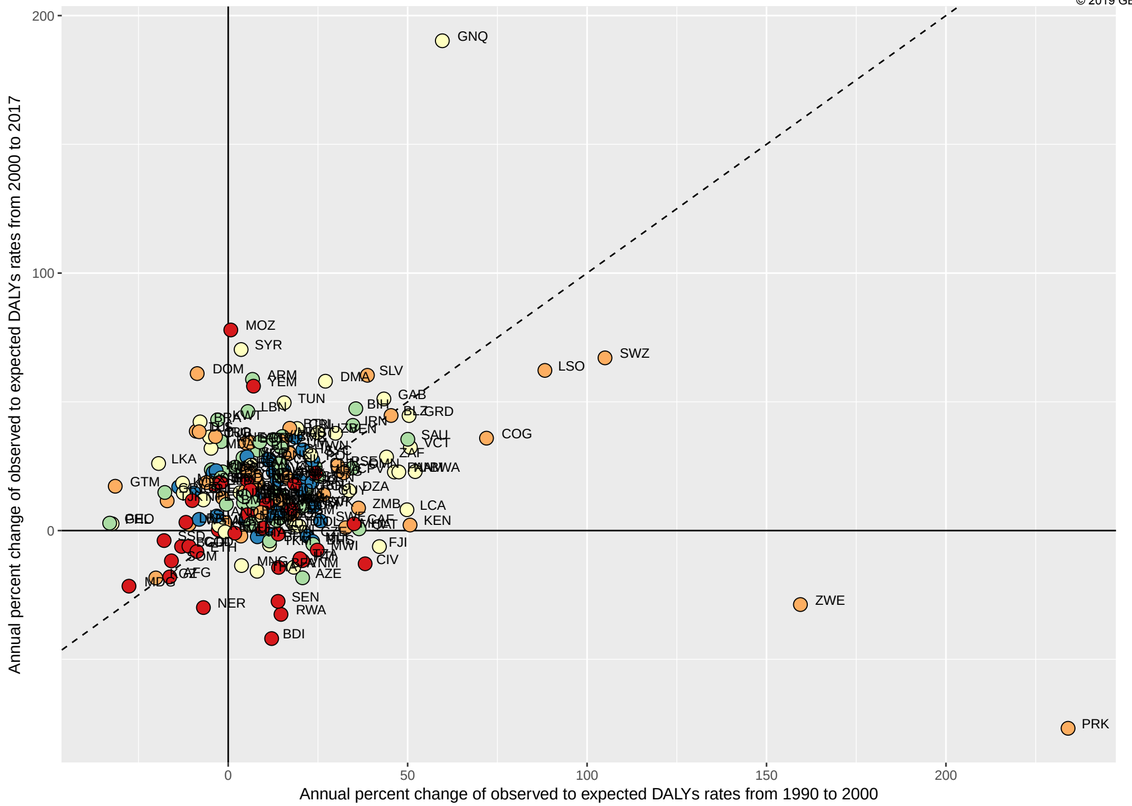
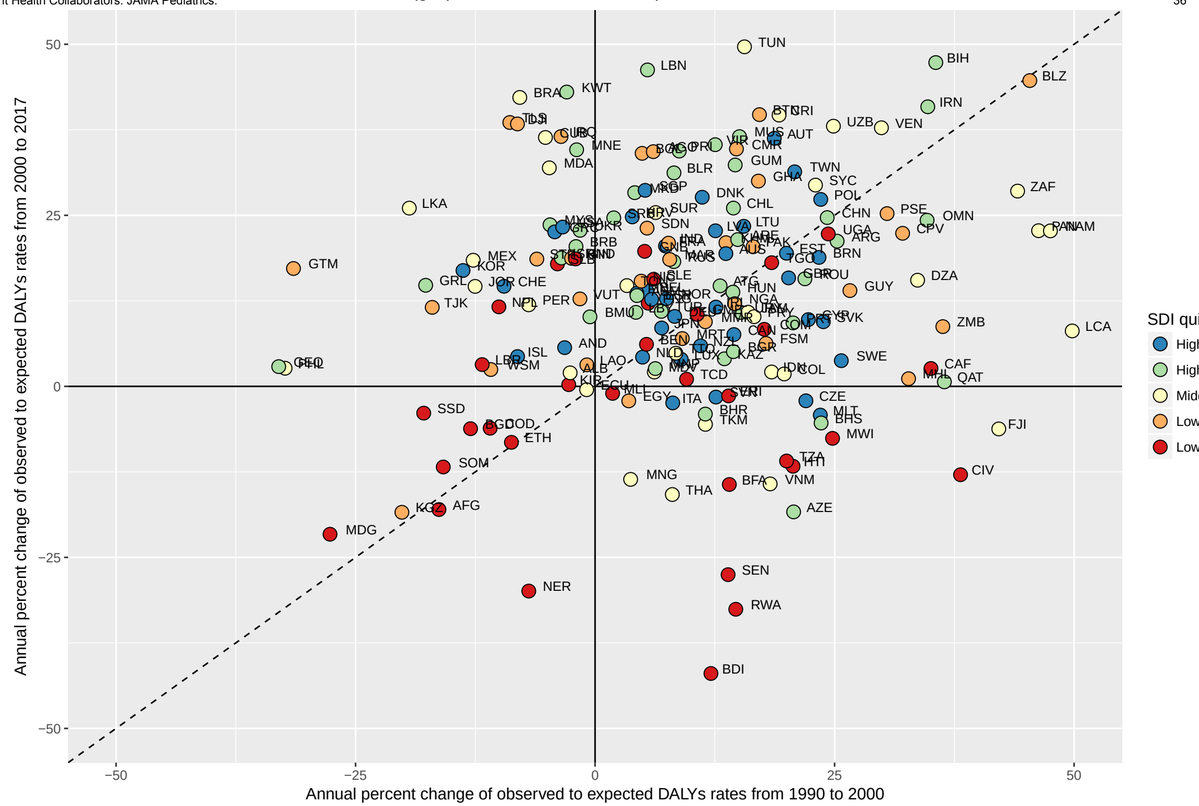
eFigure 6n. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

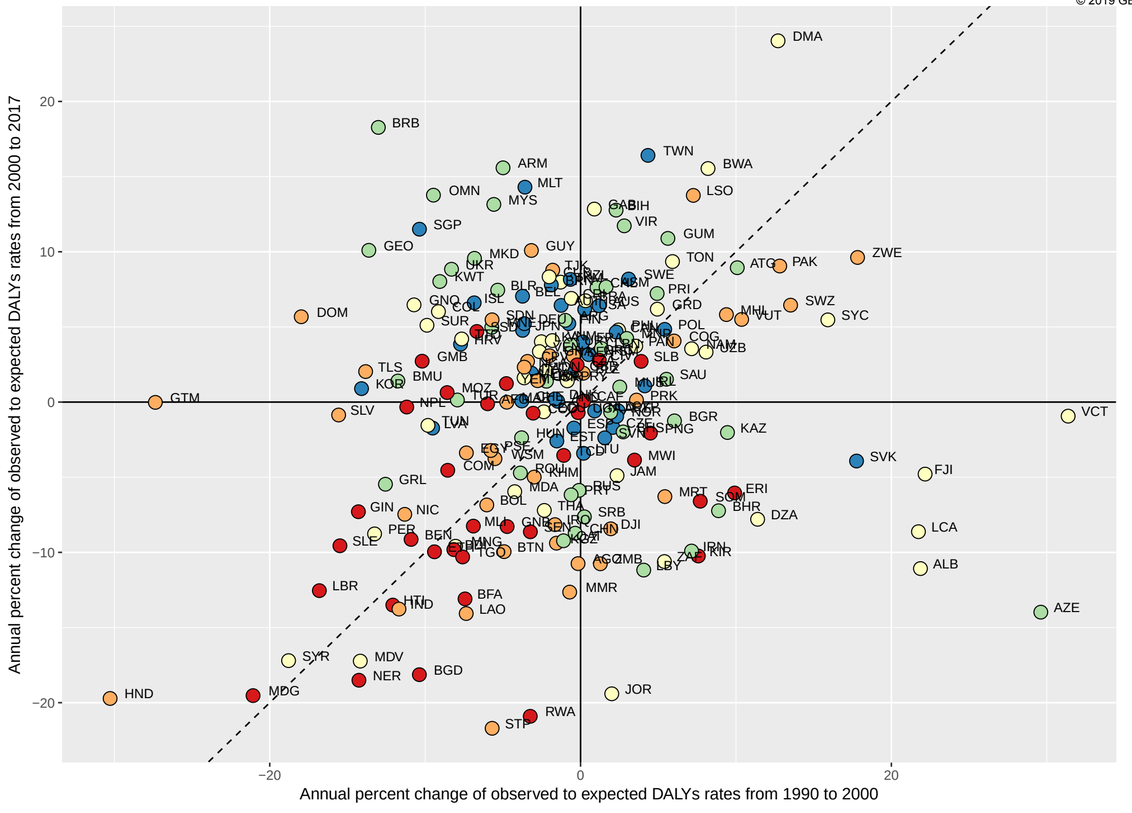


eFigure 6n. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)

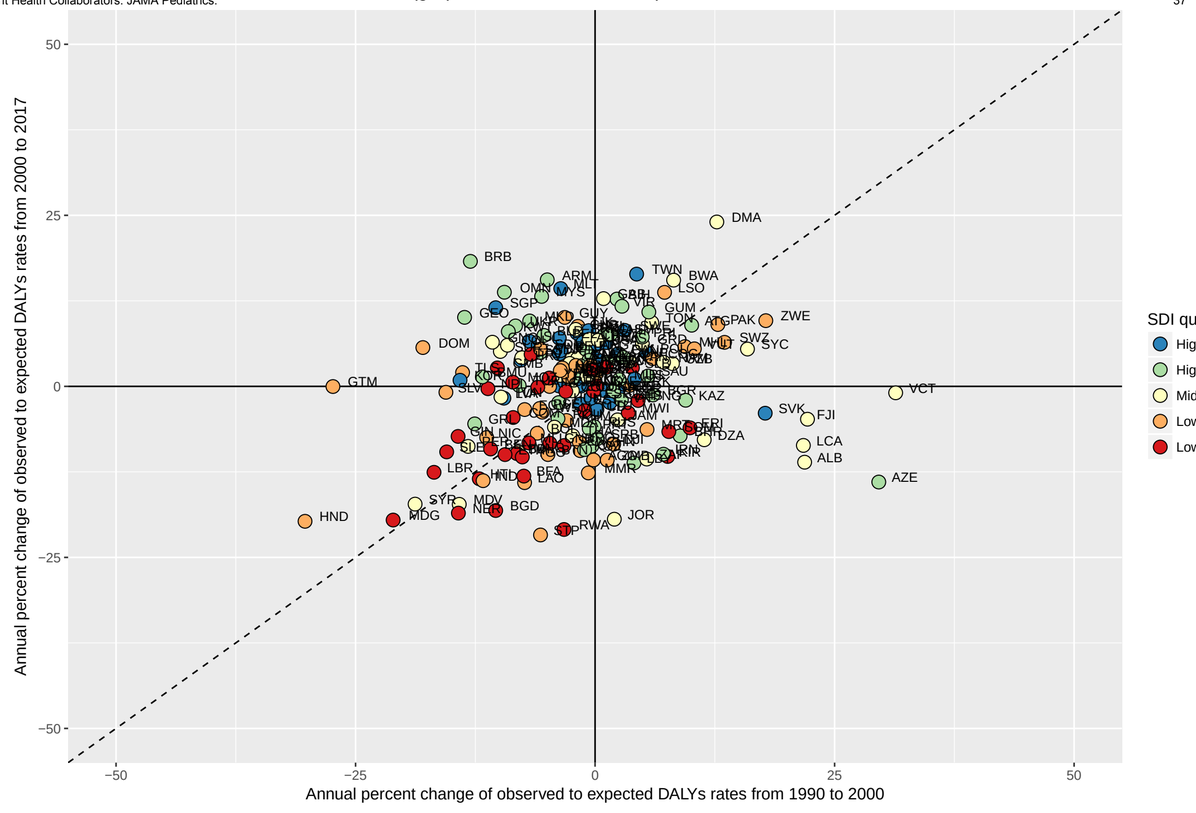


Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6o. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017



eFigure 6o. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

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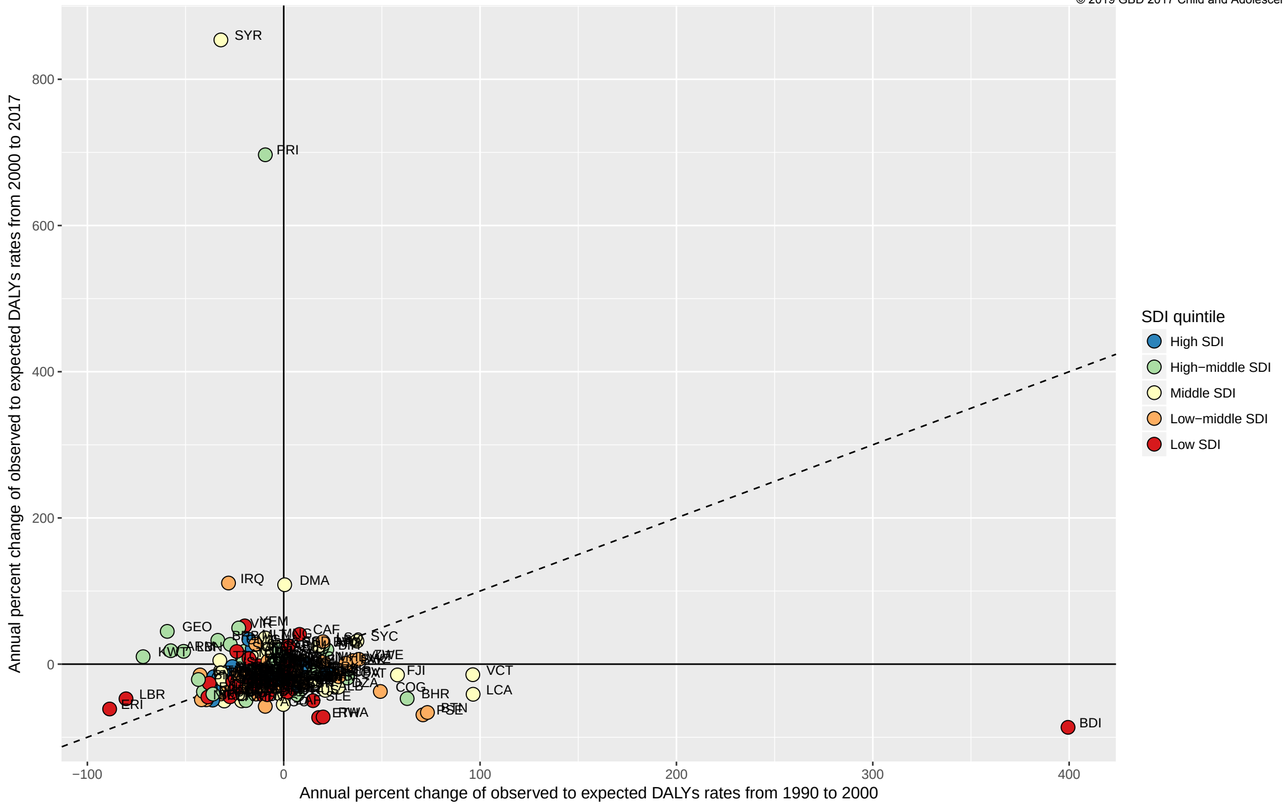
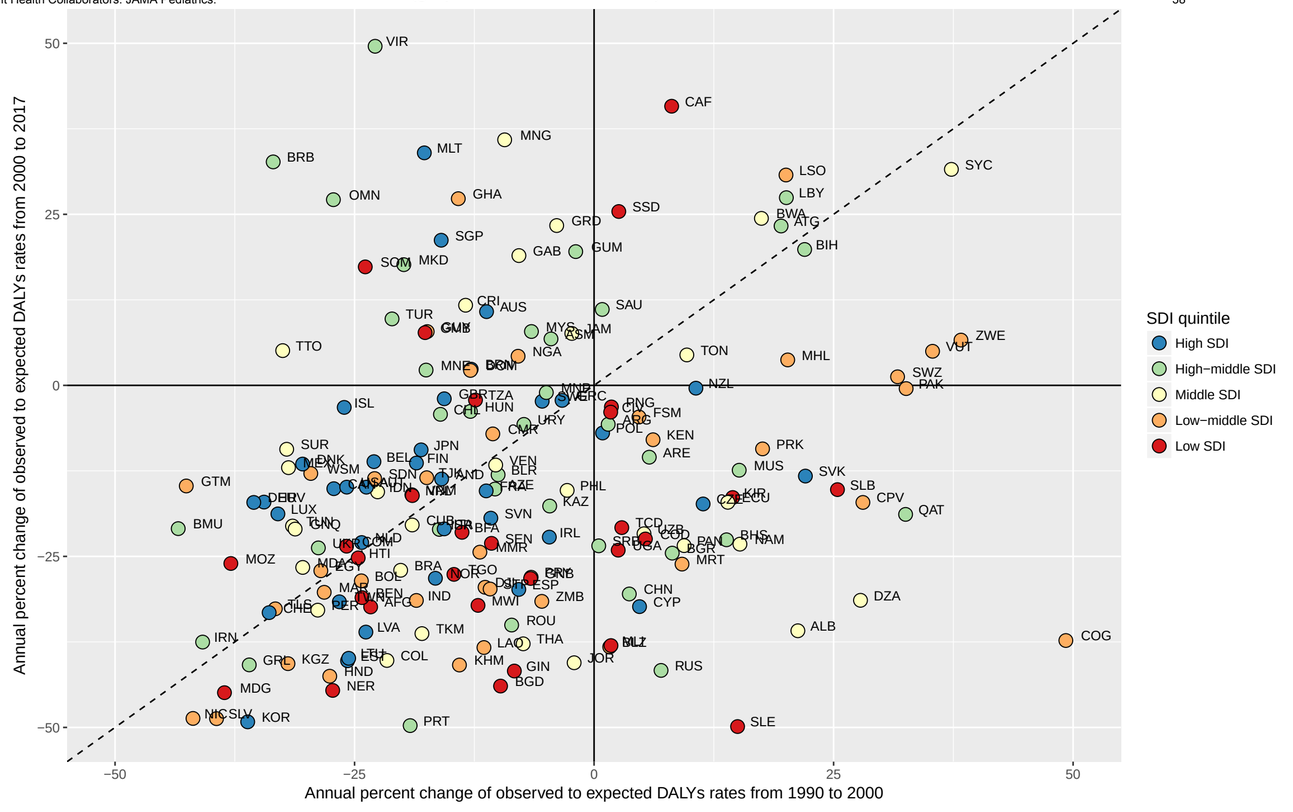
eFigure 6p. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017



eFigure 6p. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6q. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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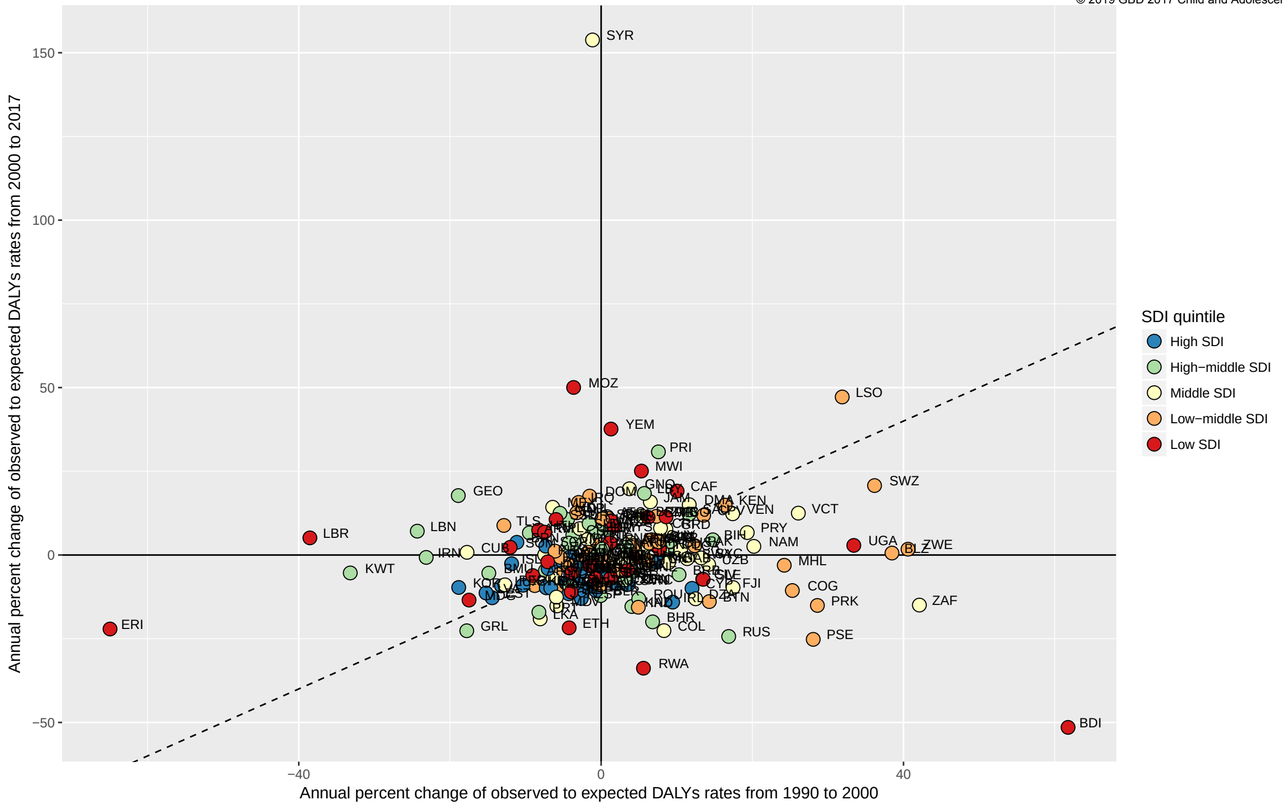
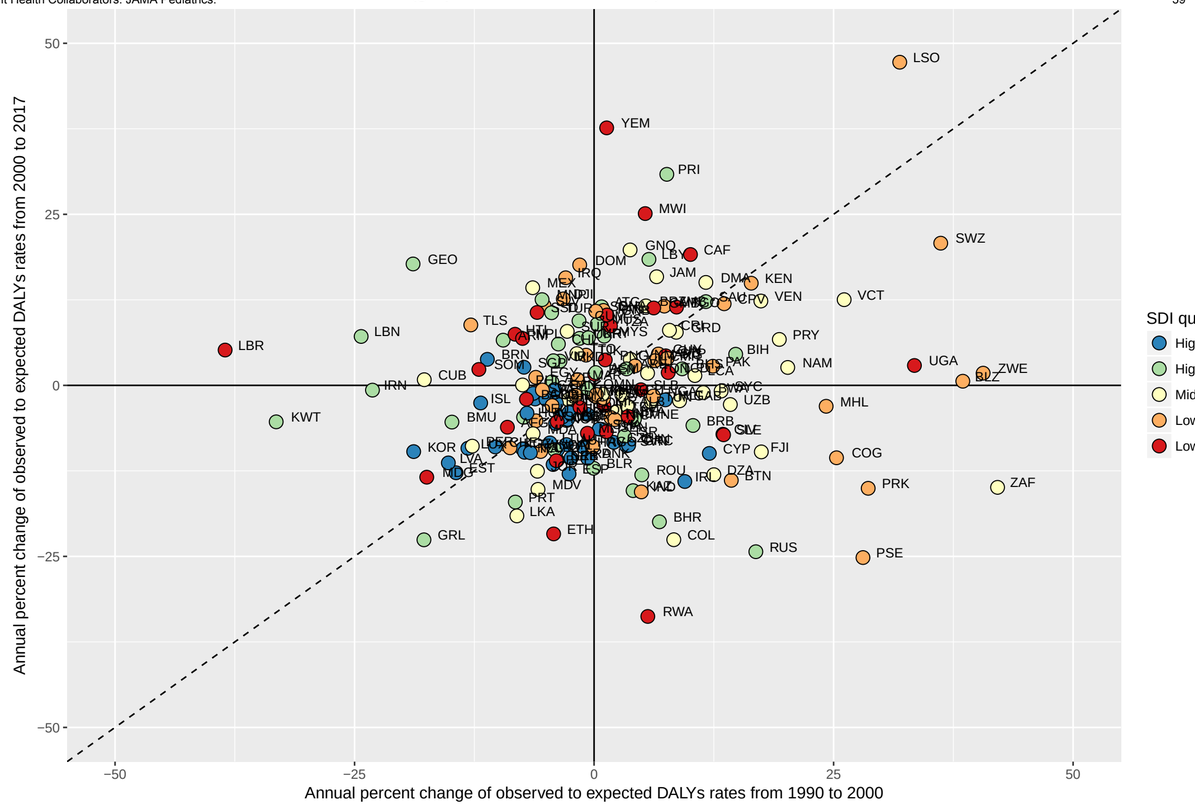


eFigure 6q. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6r. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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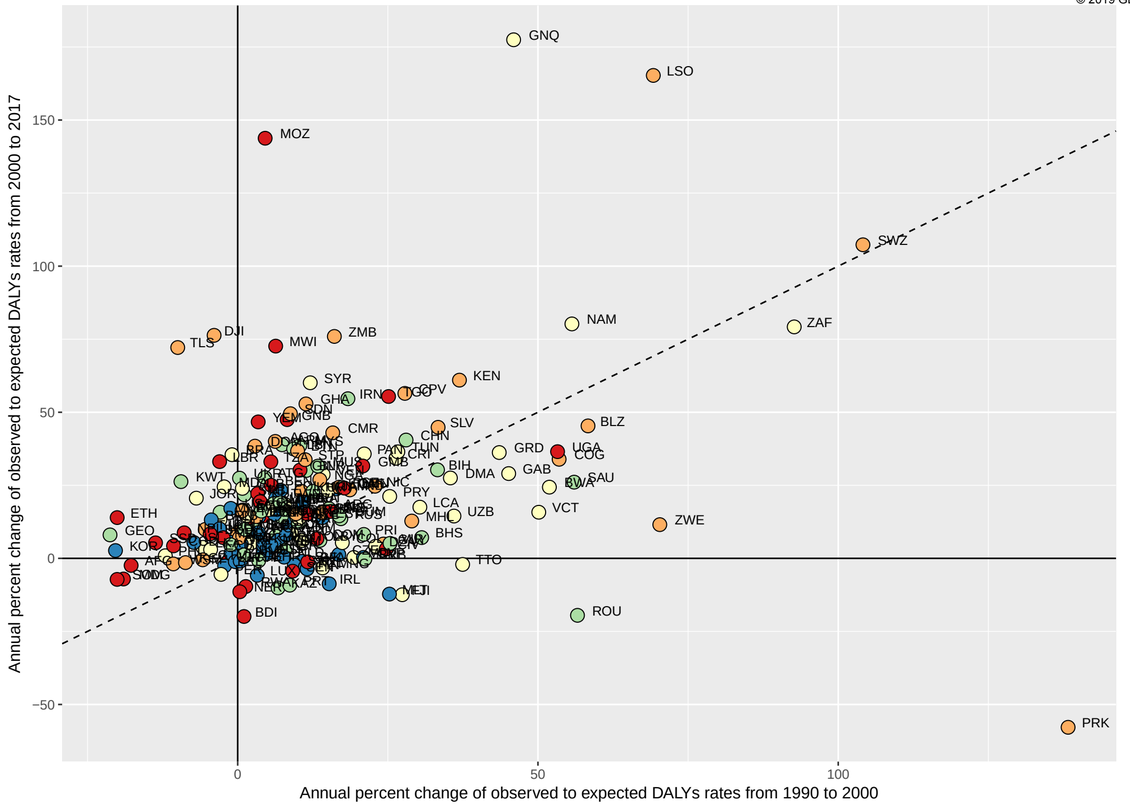
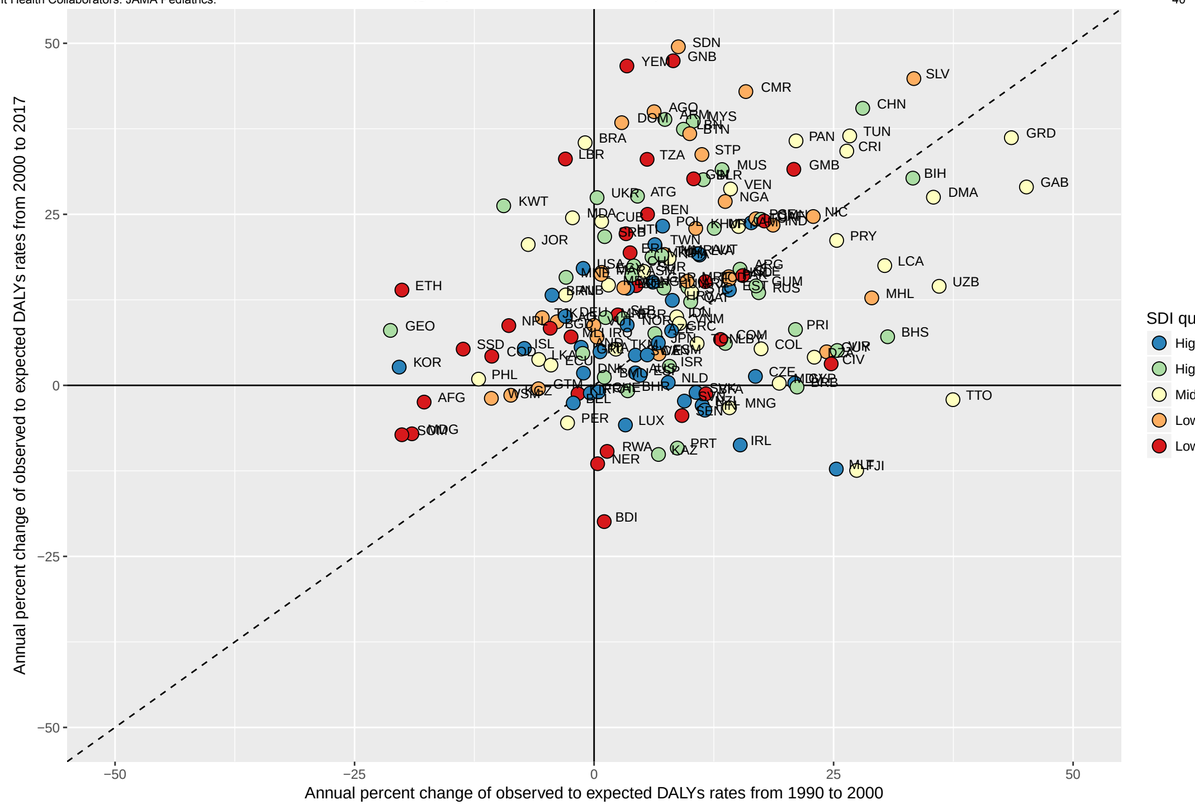


eFigure 6r. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6s. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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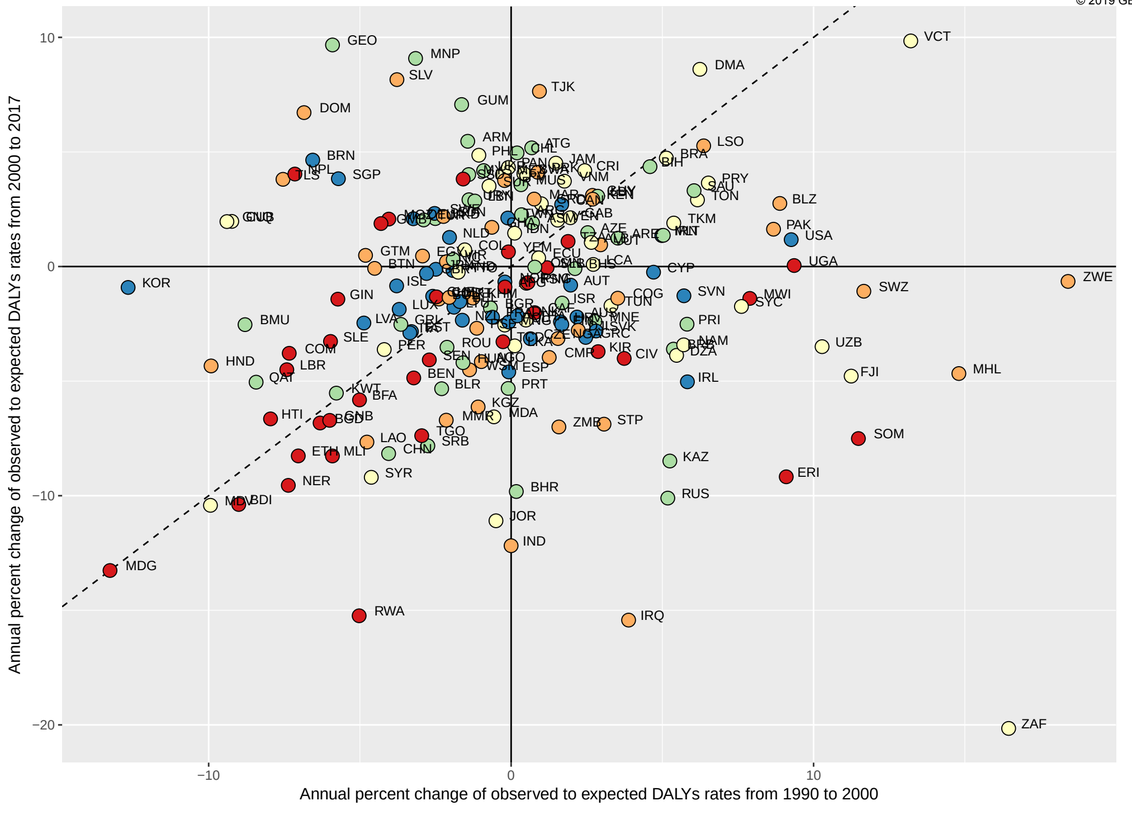
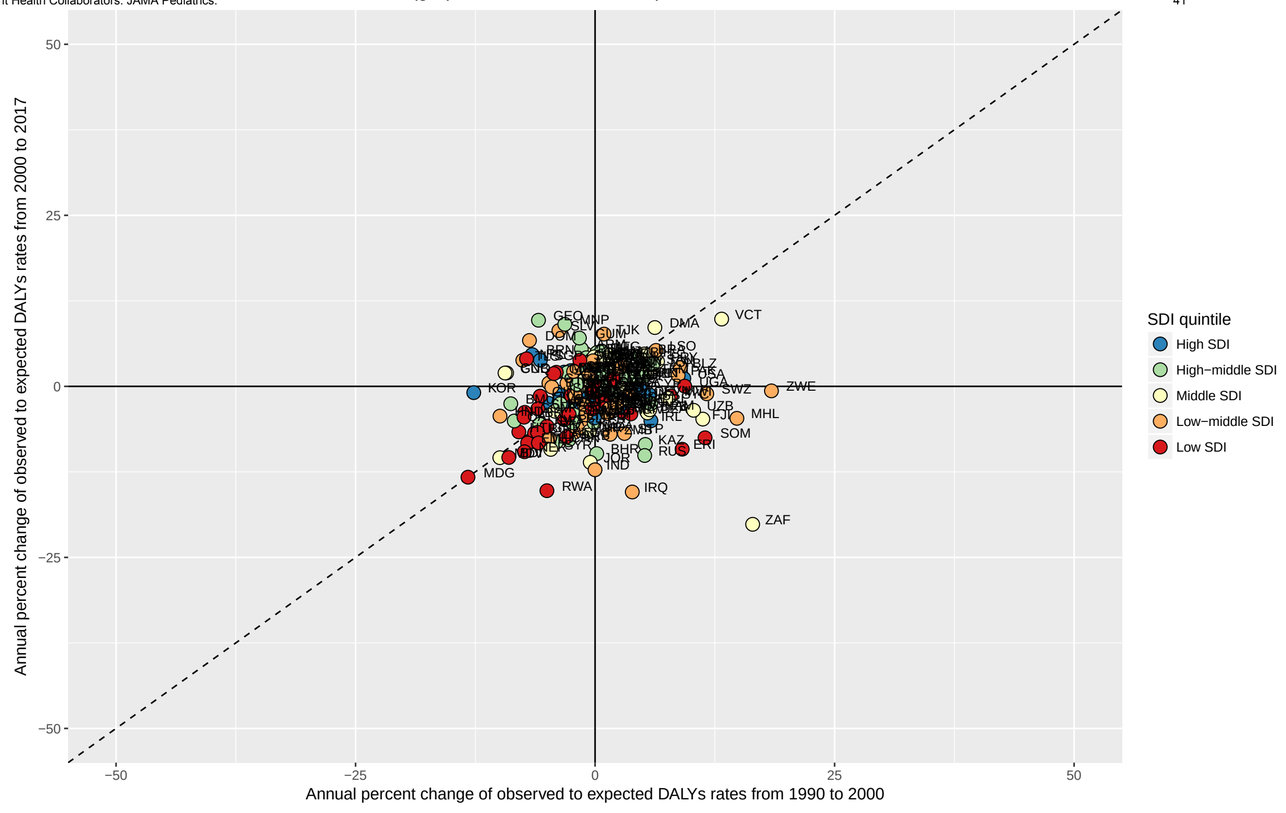


eFigure 6s. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 6t. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017

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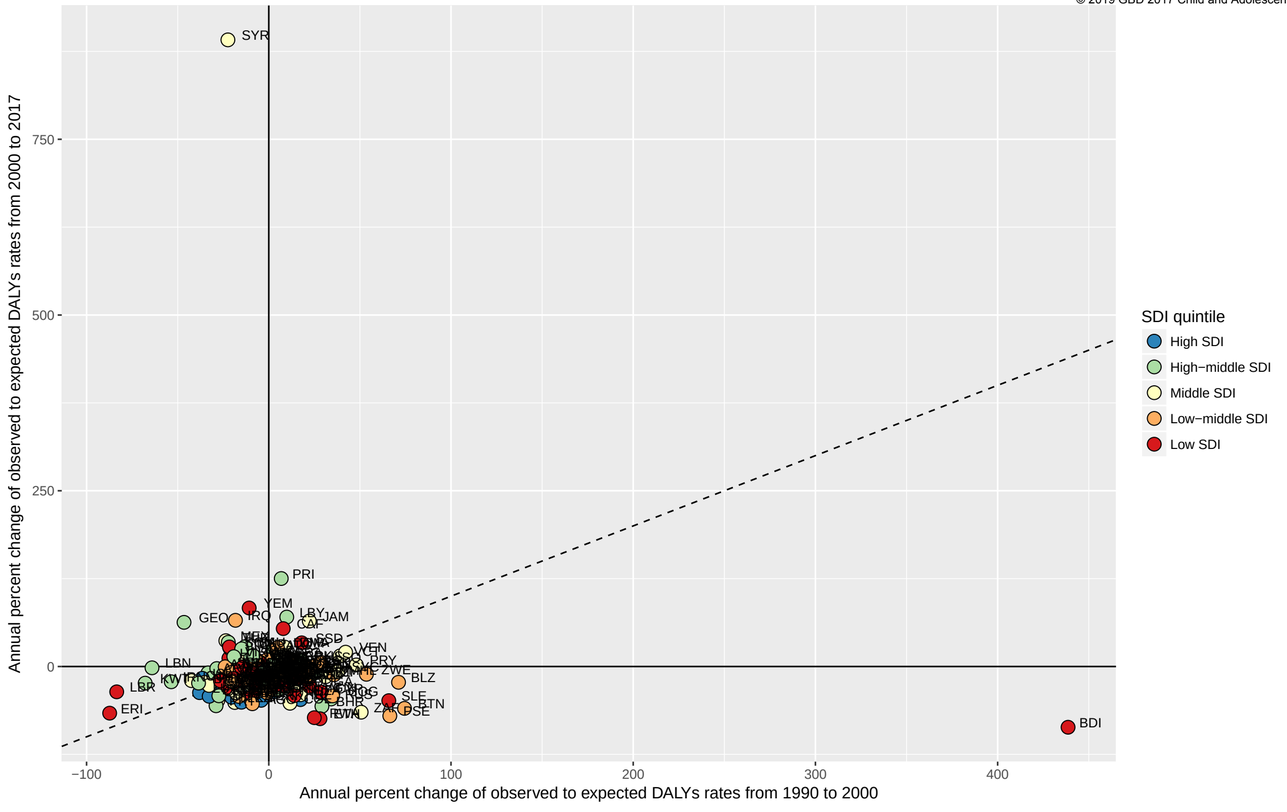
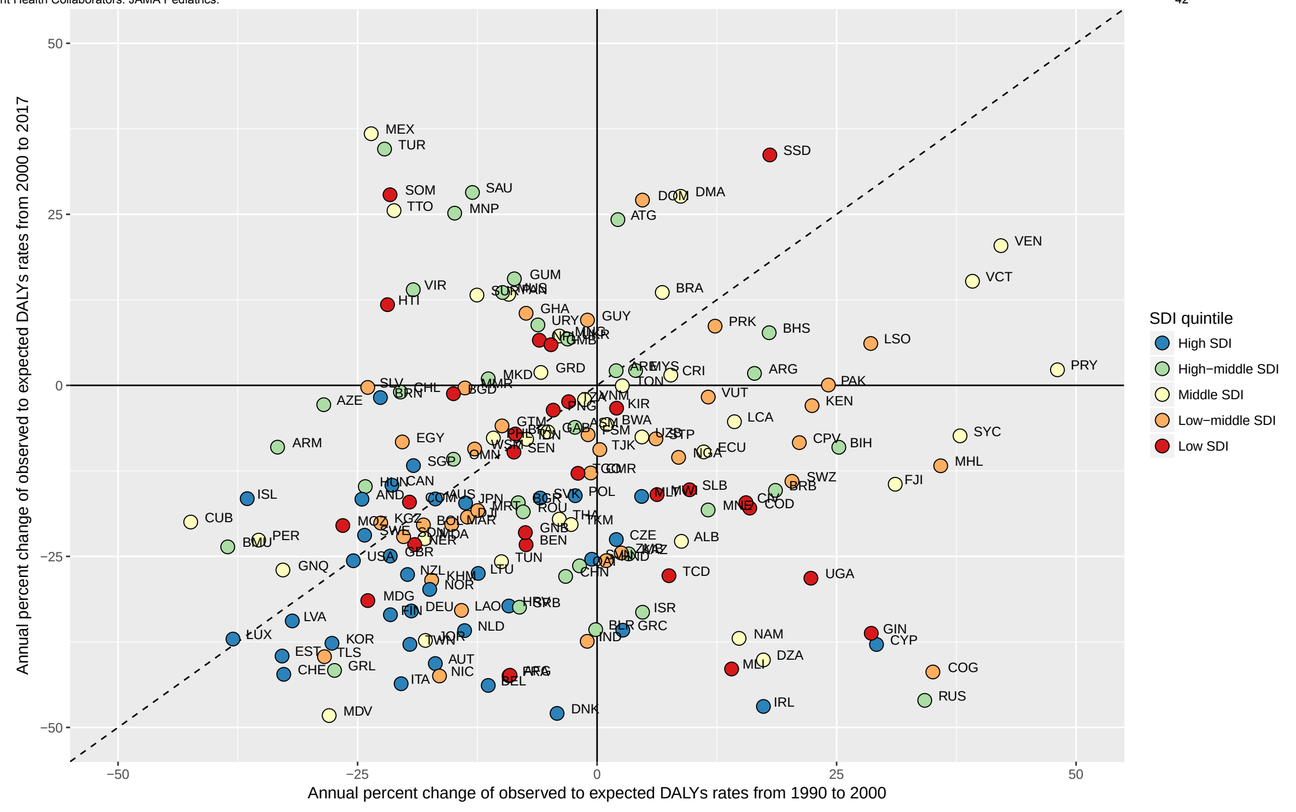


eFigure 6t. Annual percent change of observed to expected (O:E) all−cause DALY rates in <20 years from 1990 to 2000 versus 2000 to 2017 (graph subsetted to +/− 50%)



Annual percent change of observed versus expected (O:E) disability−adjusted life years (DALYs) rates by country for 1990 to 2000 versus 2000 to 2017 are plotted by country. In each pair of panels, the right panel focuses on changes within +/−50%. Panels a−d plot changes for all children and adolescents less than 20 years of age; panels e−h plot changes for children less than 1; panels i−l plot changes for children between 1 and 4; panels m−p plot changes for children between 5 and 9; and panels q−t plot changes for children between 10 and 19. For each age group, the first plot in the series is the all cause change in O:E rates (i.e., panels a, e, i, m, and q); the second plot in the series is the change in O:E rates associated with communicable, maternal, neonatal, and nutritional (CMNN) conditions (i.e., panels b, f, j, and r); the third plot in the series is the change in O:E rates associated with non−communicable diseases (NCDs – i.e., panels c, g, k, s); and the fourth plot in the series is the change in O:E rates associated with injuries (i.e., panels d, h, l, t). For each, countries in different socio−demographic index (SDI) quintiles are plotted with different countries. Abbreviations: DALY=disability−adjusted life year, AFG − Afghanistan, AGO − Angola, ALB − Albania, AND − Andorra, ARE − United Arab Emirates, ARG − Argentina, ARM − Armenia, ASM − American Samoa, ATG − Antigua and Barbuda, AUS − Australia, AUT − Austria, AZE − Azerbaijan, BDI − Burundi, BEL − Belgium, BEN − Benin, BFA − Burkina Faso, BGD − Bangladesh, BGR − Bulgaria, BHR − Bahrain, BHS − The Bahamas, BIH − Bosnia and Herzegovina, BLR − Belarus, BLZ − Belize, BMU − Bermuda, BOL − Bolivia, BRA − Brazil, BRB − Barbados, BRN − Brunei, BTN − Bhutan, BWA − Botswana, CAF − Central African Republic, CAN − Canada, CHE − Switzerland, CHL − Chile, CHN − China, CIV − Cote d'Ivoire, CMR − Cameroon, COD − Democratic Republic of the Congo, COG − Congo, COL − Colombia, COM − Comoros, CPV − Cape Verde, CRI − Costa Rica, CUB − Cuba, CYP − Cyprus, CZE − Czech Republic, DEU − Germany, DJI − Djibouti, DMA − Dominica, DNK − Denmark, DOM − Dominican Republic, DZA − Algeria, ECU − Ecuador, EGY − Egypt, ERI − Eritrea, ESP − Spain, EST − Estonia, ETH − Ethiopia, FIN − Finland, FJI − Fiji, FRA − France, FSM − Federated States of Micronesia, G − Global, GAB − Gabon, GBR − United Kingdom, GEO − Georgia, GHA − Ghana, GIN − Guinea, GMB − The Gambia, GNB − Guinea−Bissau, GNQ − Equatorial Guinea, GRC − Greece, GRD − Grenada, GRL − Greenland, GTM − Guatemala, GUM − Guam, GUY − Guyana, HND − Honduras, HRV − Croatia, HTI − Haiti, HUN − Hungary, IDN − Indonesia, IND − India, IRL − Ireland, IRN − Iran, IRQ − Iraq, ISL − Iceland, ISR − Israel, ITA − Italy, JAM − Jamaica, JOR − Jordan, JPN − Japan, KAZ − Kazakhstan, KEN − Kenya, KGZ − Kyrgyzstan, KHM − Cambodia, KIR − Kiribati, KOR − South Korea, KWT − Kuwait, LAO − Laos, LBN − Lebanon, LBR − Liberia, LBY − Libya, LCA − Saint Lucia, LKA − Sri Lanka, LSO − Lesotho, LTU − Lithuania, LUX − Luxembourg, LVA − Latvia, MAR − Morocco, MDA − Moldova, MDG − Madagascar, MDV − Maldives, MEX − Mexico, MHL − Marshall Islands, MKD − Macedonia, MLI − Mali, MLT − Malta, MMR − Myanmar, MNE − Montenegro, MNG − Mongolia, MNP − Northern Mariana Islands, MOZ − Mozambique, MRT − Mauritania, MUS − Mauritius, MWI − Malawi, MYS − Malaysia, NAM − Namibia, NER − Niger, NGA − Nigeria, NIC − Nicaragua, NLD − Netherlands, NOR − Norway, NPL − Nepal, NZL − New Zealand, OMN − Oman, PAK − Pakistan, PAN − Panama, PER − Peru, PHL − Philippines, PNG − Papua New Guinea, POL − Poland, PRI − Puerto Rico, PRK − North Korea, PRT − Portugal, PRY − Paraguay, PSE − Palestine, QAT − Qatar, ROU − Romania, RUS − Russian Federation, RWA − Rwanda, SAU − Saudi Arabia, SDN − Sudan, SEN − Senegal, SGP − Singapore, SLB − Solomon Islands, SLE − Sierra Leone, SLV − El Salvador, SOM − Somalia, SRB − Serbia, SSD − South Sudan, STP − Sao Tome and Principe, SUR − Suriname, SVK − Slovakia, SVN − Slovenia, SWE − Sweden, SWZ − Swaziland, SYC − Seychelles, SYR − Syria, TCD − Chad, TGO − Togo, THA − Thailand, TJK − Tajikistan, TKM − Turkmenistan, TLS − Timor−Leste, TON − Tonga, TTO − Trinidad and Tobago, TUN − Tunisia, TUR − Turkey, TWN − Taiwan, TZA − Tanzania, UGA − Uganda, UKR − Ukraine, URY − Uruguay, USA − United States, UZB − Uzbekistan, VCT − Saint Vincent and the Grenadines, VEN − Venezuela, VIR − Virgin Islands, U.S., VNM − Vietnam, VUT − Vanuatu, WSM − Samoa, YEM − Yemen, ZAF − South Africa, ZMB − Zambia, ZWE − Zimbabwe

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Global	**Neonatal** [1.38]	**LRI** [1.83]	**Diarrhea** [4.96]	**Congenital** [0.78]	**Malaria** [4596.33]	**Meningitis** [1.54]	**Road Inj** [0.69]	**Iron** [2.08]	**PEM** [9.73]	**HIV** [10.49]
Low SDI	**Neonatal** [0.7]	**LRI** [0.51]	**Diarrhea** [0.63]	**Malaria** [21.05]	**Congenital** [0.61]	**PEM** [0.75]	**Meningitis** [0.45]	**HIV** [4.72]	**Iron** [1.2]	**STI** [0.99]
Low-middle SDI	**Neonatal** [1.05]	**LRI** [0.91]	**Diarrhea** [1.62]	**Congenital** [0.65]	**Malaria** [542.96]	**Meningitis** [0.92]	**Iron** [1.64]	**PEM** [1.7]	**Road Inj** [0.65]	**HIV** [6.08]
Middle SDI	**Neonatal** [0.77]	**Congenital** [0.58]	**LRI** [0.8]	**Diarrhea** [1.44]	**Road Inj** [0.64]	**Drown** [0.88]	**Headaches** [0.81]	**Iron** [1.12]	**Violence** [1.14]	**HIV** [5.26]
High-middle SDI	**Neonatal** [1.64]	**Congenital** [1.32]	**Road Inj** [1.0]	**LRI** [4.63]	**Headaches** [0.75]	**Drown** [2.57]	**Anxiety** [0.72]	**Diarrhea** [2.89]	**Conduct** [0.89]	**Back Pain** [0.77]
High SDI	**Neonatal** [0.45]	**Congenital** [0.4]	**Headaches** [0.92]	**Dermatitis** [1.2]	**Anxiety** [1.16]	**Road Inj** [0.44]	**Depression** [1.31]	**Conduct** [0.98]	**Back Pain** [1.05]	**Drugs** [3.05]
Central Europe, Eastern Europe, and Central Asia	**Neonatal** [1.16]	**LRI** [4.04]	**Congenital** [0.77]	**Road Inj** [0.57]	**Diarrhea** [2.45]	**Headaches** [0.82]	**Falls** [1.54]	**Iron** [2.41]	**Drown** [1.26]	**Conduct** [0.94]
Central Asia	**Neonatal** [1.27]	**LRI** [3.48]	**Congenital** [0.75]	**Diarrhea** [2.19]	**Iron** [2.31]	**Drown** [1.1]	**Road Inj** [0.46]	**Headaches** [0.78]	**Epilepsy** [1.47]	**Conduct** [0.88]
Armenia	**Neonatal** [0.58]	**Congenital** [0.66]	**LRI** [1.11]	**Iron** [3.01]	**Headaches** [0.79]	**Conduct** [0.92]	**Diarrhea** [0.92]	**Road Inj** [0.26]	**Falls** [0.92]	**Back Pain** [0.68]
Azerbaijan	**Neonatal** [1.93]	**LRI** [6.77]	**Congenital** [1.24]	**Diarrhea** [2.45]	**Encepha** [5.24]	**Leukemia** [1.51]	**Epilepsy** [1.76]	**Headaches** [0.79]	**Iron** [1.56]	**Fire** [2.46]
Georgia	**Neonatal** [1.01]	**Congenital** [0.48]	**LRI** [0.58]	**Road Inj** [0.55]	**Headaches** [0.79]	**Conduct** [0.91]	**Diarrhea** [0.86]	**Iron** [1.1]	**Epilepsy** [1.07]	**Falls** [1.05]
Kazakhstan	**Neonatal** [1.18]	**Congenital** [1.01]	**LRI** [1.9]	**Road Inj** [0.72]	**Drown** [1.48]	**F Body** [1.91]	**Vit A** [3.21]	**Self Harm** [1.44]	**Headaches** [0.71]	**Iron** [1.74]
Kyrgyzstan	**Neonatal** [1.11]	**LRI** [0.73]	**Congenital** [0.52]	**Iron** [1.88]	**Diarrhea** [0.66]	**Drown** [0.67]	**Road Inj** [0.42]	**Headaches** [0.79]	**Epilepsy** [1.08]	**Vit A** [1.14]
Mongolia	**Neonatal** [1.69]	**LRI** [2.57]	**Congenital** [0.87]	**Road Inj** [0.72]	**F Body** [1.56]	**Fire** [2.6]	**Diarrhea** [0.94]	**Falls** [1.99]	**Vit A** [2.22]	**Drown** [0.77]
Tajikistan	**Neonatal** [0.91]	**LRI** [1.61]	**Diarrhea** [1.72]	**Congenital** [0.79]	**Drown** [0.95]	**Iron** [0.9]	**Meningitis** [0.36]	**Epilepsy** [1.55]	**Vit A** [0.98]	**Falls** [1.58]
Turkmenistan	**Neonatal** [1.58]	**LRI** [4.41]	**Congenital** [1.2]	**Diarrhea** [1.38]	**Iron** [1.56]	**Headaches** [0.75]	**Drown** [0.85]	**Epilepsy** [1.36]	**F Body** [1.08]	**Conduct** [0.86]
Uzbekistan	**LRI** [2.4]	**Neonatal** [0.8]	**Congenital** [0.38]	**Iron** [2.64]	**Drown** [0.9]	**Road Inj** [0.44]	**Headaches** [0.83]	**Encepha** [2.46]	**Epilepsy** [1.39]	**Self Harm** [1.3]
Central Europe	**Neonatal** [0.81]	**Congenital** [0.67]	**Falls** [1.76]	**Headaches** [0.85]	**LRI** [1.69]	**Road Inj** [0.51]	**Conduct** [0.99]	**Back Pain** [0.89]	**Diarrhea** [2.06]	**Anxiety** [0.67]
Albania	**Neonatal** [0.72]	**Congenital** [0.75]	**LRI** [0.86]	**Headaches** [0.95]	**Falls** [1.95]	**Road Inj** [0.41]	**Back Pain** [1.19]	**Conduct** [1.0]	**Epilepsy** [1.24]	**Anxiety** [0.82]
Bosnia	**Neonatal** [0.51]	**Congenital** [0.49]	**Headaches** [0.93]	**Falls** [1.92]	**Conduct** [1.0]	**Road Inj** [0.34]	**Back Pain** [0.96]	**Anxiety** [0.79]	**Vit A** [1.61]	**Dermatitis** [0.59]
Bulgaria	**Neonatal** [0.78]	**Congenital** [0.77]	**LRI** [1.84]	**Falls** [1.87]	**Road Inj** [0.55]	**Headaches** [0.83]	**Conduct** [0.97]	**Diarrhea** [1.93]	**Anxiety** [0.71]	**Back Pain** [0.83]
Croatia	**Neonatal** [0.77]	**Congenital** [0.61]	**Headaches** [0.88]	**Road Inj** [0.56]	**Conduct** [1.01]	**Back Pain** [0.9]	**Falls** [1.12]	**Anxiety** [0.68]	**Dermatitis** [0.56]	**Diarrhea** [1.79]
Czech	**Neonatal** [0.56]	**Congenital** [0.45]	**Falls** [1.91]	**Headaches** [0.79]	**Back Pain** [0.93]	**Conduct** [0.96]	**Road Inj** [0.45]	**Diarrhea** [2.5]	**Dermatitis** [0.66]	**Anxiety** [0.61]
Hungary	**Neonatal** [0.75]	**Congenital** [0.64]	**Headaches** [0.87]	**Falls** [1.71]	**Diarrhea** [2.85]	**Back Pain** [1.01]	**Conduct** [1.01]	**Dermatitis** [0.76]	**Road Inj** [0.38]	**Anxiety** [0.68]
Macedonia	**Neonatal** [1.12]	**Congenital** [0.55]	**Headaches** [0.88]	**Falls** [1.83]	**Road Inj** [0.5]	**LRI** [0.76]	**Conduct** [0.97]	**Iron** [1.81]	**Diarrhea** [1.42]	**Anxiety** [0.72]
Montenegro	**Neonatal** [0.69]	**Congenital** [0.29]	**Headaches** [0.89]	**Falls** [1.75]	**Road Inj** [0.48]	**Conduct** [1.01]	**Back Pain** [0.97]	**Anxiety** [0.71]	**Dermatitis** [0.57]	**Depression** [0.65]
Poland	**Neonatal** [0.9]	**Congenital** [0.76]	**Falls** [1.66]	**Headaches** [0.84]	**Road Inj** [0.57]	**Conduct** [0.98]	**Dermatitis** [0.75]	**Anxiety** [0.64]	**Back Pain** [0.72]	**Upper Digest** [4.49]
Romania	**Neonatal** [0.73]	**LRI** [3.57]	**Congenital** [0.67]	**Iron** [4.07]	**Falls** [1.91]	**Road Inj** [0.58]	**Headaches** [0.87]	**Diarrhea** [2.35]	**Back Pain** [1.08]	**Conduct** [1.0]
Serbia	**Neonatal** [0.66]	**Congenital** [0.37]	**Headaches** [0.88]	**Falls** [1.79]	**Conduct** [1.0]	**Back Pain** [1.01]	**Road Inj** [0.33]	**Anxiety** [0.73]	**Dermatitis** [0.58]	**Diarrhea** [0.96]
Slovakia	**Neonatal** [0.87]	**Congenital** [0.83]	**Falls** [1.72]	**Headaches** [0.84]	**Road Inj** [0.51]	**LRI** [1.93]	**Back Pain** [0.97]	**Conduct** [0.98]	**Diarrhea** [2.74]	**Anxiety** [0.65]
Slovenia	**Neonatal** [0.56]	**Congenital** [0.53]	**Falls** [1.91]	**Headaches** [0.81]	**Road Inj** [0.53]	**Back Pain** [0.98]	**Conduct** [0.97]	**Anxiety** [0.61]	**Diarrhea** [2.45]	**Dermatitis** [0.57]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Eastern Europe	Neonatal [0.87]	Congenital [0.73]	Road Inj [0.67]	LRI [1.18]	Headaches [0.84]	Falls [1.59]	Self Harm [1.33]	Conduct [0.96]	Upper Digest [5.45]	Drown [1.29]
Belarus	Neonatal [0.75]	Congenital [0.68]	Headaches [0.86]	Falls [1.65]	Road Inj [0.4]	Conduct [0.91]	Upper Digest [5.33]	Drown [1.21]	Dermatitis [0.73]	Back Pain [0.75]
Estonia	Neonatal [0.73]	Congenital [0.56]	Headaches [0.88]	Dermatitis [0.94]	Falls [1.28]	Conduct [0.97]	Upper Digest [6.15]	Road Inj [0.38]	Diarrhea [2.37]	Back Pain [0.67]
Latvia	Neonatal [0.79]	Congenital [0.65]	Headaches [0.88]	Road Inj [0.49]	Upper Digest [6.83]	Falls [1.36]	Conduct [0.95]	Drown [1.77]	Dermatitis [0.66]	Diarrhea [2.1]
Lithuania	Neonatal [0.82]	Congenital [0.84]	Headaches [1.01]	Road Inj [0.52]	Falls [1.39]	Upper Digest [6.51]	Conduct [0.98]	Self Harm [1.31]	LRI [1.79]	Diarrhea [2.39]
Moldova	Neonatal [0.76]	Congenital [0.89]	LRI [1.04]	Road Inj [0.51]	Headaches [0.97]	Upper Digest [6.37]	Iron [1.4]	Falls [1.71]	Drown [0.78]	F Body [1.05]
Russian Federation	Neonatal [0.87]	Congenital [0.67]	Road Inj [0.66]	LRI [1.28]	Headaches [0.82]	Falls [1.57]	Conduct [0.96]	Self Harm [1.27]	Upper Digest [5.35]	Drown [1.22]
Ukraine	Neonatal [0.75]	Congenital [0.82]	Road Inj [0.71]	Self Harm [1.77]	Headaches [0.89]	Falls [1.71]	Drown [1.22]	LRI [0.57]	Conduct [0.98]	Upper Digest [5.34]
High-income	Neonatal [0.85]	Congenital [0.67]	Dermatitis [1.2]	Headaches [0.93]	Anxiety [1.09]	Road Inj [0.57]	Depression [1.35]	Back Pain [1.02]	Conduct [1.02]	Asthma [1.05]
Australasia	Neonatal [0.83]	Congenital [0.61]	Asthma [1.97]	Anxiety [1.19]	Falls [1.71]	Dermatitis [1.08]	Depression [1.52]	Headaches [0.84]	Back Pain [1.14]	Road Inj [0.56]
Australia	Neonatal [0.84]	Congenital [0.62]	Asthma [2.02]	Anxiety [1.14]	Falls [1.65]	Depression [1.54]	Headaches [0.83]	Dermatitis [1.03]	Back Pain [1.08]	Road Inj [0.54]
New Zealand	Neonatal [0.79]	Congenital [0.56]	Anxiety [1.48]	Dermatitis [1.35]	Falls [2.06]	Back Pain [1.43]	Road Inj [0.68]	Asthma [1.68]	Headaches [0.85]	Depression [1.41]
High-income Asia Pacific	Neonatal [0.56]	Congenital [0.5]	Dermatitis [1.2]	Back Pain [1.2]	Headaches [0.77]	Anxiety [0.8]	Conduct [0.99]	Falls [1.06]	Depression [0.95]	Road Inj [0.37]
Brunei	Neonatal [1.21]	Congenital [1.31]	Road Inj [0.99]	LRI [4.12]	Dermatitis [1.13]	Headaches [0.74]	Drown [2.56]	Anxiety [0.81]	Back Pain [0.96]	Falls [1.21]
Japan	Neonatal [0.47]	Congenital [0.53]	Dermatitis [1.27]	Back Pain [1.28]	Headaches [0.72]	Conduct [1.03]	Anxiety [0.78]	Falls [1.11]	Depression [0.92]	Asthma [0.8]
Aichi	Neonatal [0.49]	Congenital [0.54]	Dermatitis [1.28]	Back Pain [1.25]	Conduct [1.02]	Anxiety [0.77]	Falls [1.09]	Headaches [0.56]	Depression [0.91]	ASD [2.01]
Akita	Neonatal [0.39]	Congenital [0.43]	Dermatitis [1.25]	Back Pain [1.38]	Headaches [0.77]	Conduct [1.05]	Anxiety [0.85]	Falls [1.19]	Depression [1.05]	Road Inj [0.33]
Aomori	Neonatal [0.41]	Congenital [0.41]	Dermatitis [1.25]	Back Pain [1.37]	Headaches [0.76]	Conduct [1.04]	Anxiety [0.84]	Falls [1.17]	Depression [1.0]	Road Inj [0.33]
Chiba	Neonatal [0.47]	Congenital [0.58]	Dermatitis [1.26]	Back Pain [1.29]	Headaches [0.74]	Conduct [1.04]	Anxiety [0.79]	Falls [1.13]	Depression [0.94]	Road Inj [0.34]
Ehime	Neonatal [0.34]	Congenital [0.39]	Dermatitis [1.27]	Back Pain [1.28]	Headaches [0.73]	Conduct [1.03]	Anxiety [0.81]	Falls [1.16]	Road Inj [0.37]	Depression [0.92]
Fukui	Neonatal [0.41]	Congenital [0.41]	Dermatitis [1.26]	Back Pain [1.29]	Headaches [0.73]	Conduct [1.04]	Anxiety [0.8]	Falls [1.12]	Depression [0.91]	Road Inj [0.33]
Fukuoka	Neonatal [0.46]	Congenital [0.5]	Dermatitis [1.28]	Back Pain [1.24]	Headaches [0.71]	Conduct [1.0]	Anxiety [0.78]	Falls [1.11]	Depression [0.89]	Asthma [0.81]
Fukushima	Neonatal [0.37]	Congenital [0.44]	Dermatitis [1.25]	Back Pain [1.34]	Headaches [0.74]	Conduct [1.04]	Anxiety [0.83]	Falls [1.17]	Depression [0.96]	Road Inj [0.36]
Gifu	Neonatal [0.44]	Congenital [0.46]	Dermatitis [1.26]	Back Pain [1.33]	Headaches [0.75]	Conduct [1.04]	Anxiety [0.81]	Falls [1.16]	Road Inj [0.4]	Depression [0.81]
Gunma	Neonatal [0.42]	Congenital [0.46]	Dermatitis [1.25]	Back Pain [1.34]	Headaches [0.75]	Conduct [1.05]	Anxiety [0.82]	Falls [1.16]	Road Inj [0.41]	Depression [0.99]
Hiroshima	Neonatal [0.47]	Congenital [0.47]	Dermatitis [1.28]	Back Pain [1.23]	Headaches [0.71]	Conduct [1.02]	Anxiety [0.77]	Falls [1.1]	Depression [0.87]	Asthma [0.81]
Hokkaido	Neonatal [0.4]	Congenital [0.46]	Dermatitis [1.26]	Back Pain [1.32]	Headaches [0.74]	Conduct [1.03]	Anxiety [0.81]	Falls [1.14]	Depression [0.95]	Asthma [0.8]
Hyogo	Neonatal [0.44]	Congenital [0.41]	Dermatitis [1.26]	Back Pain [1.29]	Headaches [0.74]	Conduct [1.03]	Anxiety [0.79]	Falls [1.12]	Depression [0.95]	Acne [1.33]
Ibaraki	Neonatal [0.47]	Congenital [0.55]	Dermatitis [1.26]	Back Pain [1.31]	Conduct [1.04]	Anxiety [0.81]	Road Inj [0.48]	Headaches [0.65]	Falls [1.14]	Depression [0.96]
Ishikawa	Neonatal [0.42]	Congenital [0.47]	Dermatitis [1.26]	Back Pain [1.31]	Headaches [0.75]	Conduct [1.04]	Anxiety [0.81]	Falls [1.13]	Depression [0.92]	Road Inj [0.35]
Iwate	Neonatal [0.4]	Congenital [0.46]	Dermatitis [1.26]	Back Pain [1.34]	Headaches [0.74]	Conduct [1.03]	Anxiety [0.83]	Falls [1.17]	Depression [1.0]	Road Inj [0.32]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Kagawa	Neonatal [0.4]	Congenital [0.44]	Dermatitis [1.26]	Back Pain [1.28]	Headaches [0.74]	Conduct [1.04]	Anxiety [0.81]	Road Inj [0.47]	Falls [1.14]	Depression [0.91]
Kagoshima	Neonatal [0.36]	Congenital [0.45]	Dermatitis [1.29]	Back Pain [1.23]	Headaches [0.7]	Conduct [1.0]	Anxiety [0.79]	Falls [1.14]	Road Inj [0.32]	Asthma [0.78]
Kanagawa	Neonatal [0.51]	Congenital [0.61]	Dermatitis [1.27]	Back Pain [1.26]	Headaches [0.73]	Conduct [1.03]	Anxiety [0.77]	Falls [1.11]	Depression [0.95]	Asthma [0.83]
Kochi	Neonatal [0.38]	Congenital [0.43]	Dermatitis [1.26]	Back Pain [1.32]	Headaches [0.74]	Conduct [1.03]	Anxiety [0.83]	Falls [1.2]	Depression [0.94]	Road Inj [0.36]
Kumamoto	Neonatal [0.34]	Congenital [0.38]	Dermatitis [1.29]	Back Pain [1.23]	Headaches [0.69]	Conduct [0.99]	Anxiety [0.79]	Falls [1.13]	Depression [0.86]	Asthma [0.79]
Kyoto	Neonatal [0.52]	Congenital [0.64]	Back Pain [1.34]	Dermatitis [0.99]	Headaches [0.76]	Conduct [1.05]	Anxiety [0.79]	Falls [1.11]	Depression [0.97]	Asthma [0.81]
Mie	Neonatal [0.47]	Congenital [0.46]	Dermatitis [1.27]	Back Pain [1.28]	Headaches [0.73]	Conduct [1.03]	Anxiety [0.8]	Falls [1.13]	Road Inj [0.41]	Depression [0.9]
Miyagi	Neonatal [0.43]	Congenital [0.53]	Dermatitis [1.26]	Back Pain [1.32]	Headaches [0.74]	Conduct [1.03]	Anxiety [0.8]	Falls [1.14]	Depression [0.99]	Road Inj [0.32]
Miyazaki	Neonatal [0.35]	Congenital [0.41]	Dermatitis [1.29]	Back Pain [1.25]	Headaches [0.7]	Conduct [1.0]	Anxiety [0.8]	Falls [1.15]	Depression [0.9]	Iron [3.0]
Nagano	Neonatal [0.41]	Congenital [0.4]	Dermatitis [1.26]	Back Pain [1.3]	Headaches [0.74]	Conduct [1.04]	Anxiety [0.8]	Falls [1.15]	Depression [0.93]	Road Inj [0.34]
Nagasaki	Neonatal [0.35]	Congenital [0.43]	Dermatitis [1.28]	Back Pain [1.25]	Headaches [0.72]	Conduct [1.0]	Anxiety [0.81]	Falls [1.15]	Depression [0.89]	Asthma [0.78]
Nara	Neonatal [0.38]	Congenital [0.51]	Dermatitis [1.26]	Back Pain [1.37]	Headaches [0.76]	Conduct [1.05]	Anxiety [0.82]	Falls [1.17]	Depression [0.95]	Road Inj [0.34]
Niigata	Neonatal [0.41]	Congenital [0.45]	Dermatitis [1.26]	Back Pain [1.47]	Headaches [0.74]	Conduct [1.03]	Anxiety [0.81]	Falls [1.14]	Depression [0.99]	Asthma [0.79]
Oita	Neonatal [0.45]	Congenital [0.45]	Dermatitis [1.27]	Back Pain [1.26]	Headaches [0.72]	Conduct [1.02]	Anxiety [0.79]	Falls [1.14]	Depression [0.91]	Road Inj [0.34]
Okayama	Neonatal [0.43]	Congenital [0.42]	Dermatitis [1.26]	Back Pain [1.29]	Headaches [0.74]	Conduct [1.03]	Anxiety [0.79]	Falls [1.12]	Depression [0.91]	Road Inj [0.33]
Okinawa	Neonatal [0.36]	Congenital [0.35]	Dermatitis [1.3]	Back Pain [1.19]	Headaches [0.68]	Conduct [0.96]	Anxiety [0.78]	Falls [1.12]	Depression [0.84]	Road Inj [0.28]
Osaka	Neonatal [0.45]	Congenital [0.53]	Dermatitis [1.26]	Back Pain [1.3]	Headaches [0.74]	Conduct [1.04]	Anxiety [0.79]	Falls [1.12]	Depression [0.98]	Asthma [0.82]
Saga	Neonatal [0.36]	Congenital [0.35]	Dermatitis [1.28]	Back Pain [1.27]	Headaches [0.72]	Conduct [1.01]	Anxiety [0.8]	Falls [1.13]	Road Inj [0.35]	Depression [0.88]
Saitama	Neonatal [0.42]	Congenital [0.49]	Dermatitis [1.27]	Back Pain [1.33]	Headaches [0.73]	Conduct [1.02]	Anxiety [0.8]	Falls [1.15]	Depression [0.96]	Asthma [0.8]
Shiga	Neonatal [0.46]	Congenital [0.51]	Dermatitis [1.55]	Back Pain [1.27]	Headaches [0.73]	Conduct [1.04]	Anxiety [0.78]	Falls [1.09]	Depression [0.89]	Road Inj [0.34]
Shimane	Neonatal [0.35]	Congenital [0.36]	Dermatitis [1.27]	Back Pain [1.19]	Headaches [0.71]	Conduct [1.02]	Anxiety [0.8]	Falls [1.14]	Depression [0.93]	Asthma [0.77]
Shizuoka	Neonatal [0.47]	Congenital [0.46]	Dermatitis [1.27]	Back Pain [1.25]	Headaches [0.72]	Conduct [1.03]	Anxiety [0.79]	Falls [1.11]	Depression [0.9]	Asthma [0.8]
Tochigi	Neonatal [0.47]	Congenital [0.6]	Dermatitis [1.27]	Back Pain [1.29]	Headaches [0.73]	Conduct [1.03]	Anxiety [0.79]	Falls [1.12]	Road Inj [0.43]	Depression [0.91]
Tokushima	Neonatal [0.51]	Congenital [0.58]	Dermatitis [1.26]	Back Pain [1.29]	Headaches [0.74]	Conduct [1.02]	Anxiety [0.81]	Falls [1.16]	Road Inj [0.41]	Depression [0.93]
Tokyo	Neonatal [0.69]	Congenital [0.9]	Dermatitis [1.31]	Back Pain [1.19]	Headaches [0.71]	Conduct [1.02]	Anxiety [0.71]	Falls [1.01]	Depression [0.83]	Asthma [0.88]
Tottori	Neonatal [0.42]	Congenital [0.49]	Dermatitis [1.28]	Back Pain [1.26]	Headaches [0.67]	Conduct [1.01]	Anxiety [0.8]	Falls [1.15]	Road Inj [0.38]	Depression [0.9]
Toyama	Neonatal [0.43]	Congenital [0.49]	Dermatitis [1.26]	Back Pain [1.28]	Headaches [0.73]	Conduct [1.05]	Anxiety [0.8]	Falls [1.13]	Road Inj [0.39]	Depression [0.93]
Wakayama	Neonatal [0.42]	Congenital [0.41]	Back Pain [1.48]	Dermatitis [1.26]	Headaches [0.73]	Conduct [1.03]	Anxiety [0.81]	Falls [1.14]	Depression [0.94]	Asthma [0.78]
Yamagata	Neonatal [0.38]	Congenital [0.46]	Dermatitis [1.26]	Back Pain [1.34]	Headaches [0.74]	Conduct [1.04]	Anxiety [0.83]	Falls [1.17]	Depression [0.92]	Iron [2.93]
Yamaguchi	Neonatal [0.4]	Congenital [0.44]	Dermatitis [1.27]	Back Pain [1.28]	Headaches [0.73]	Conduct [1.03]	Anxiety [0.8]	Falls [1.13]	Depression [0.92]	Road Inj [0.34]
Yamanashi	Neonatal [0.45]	Congenital [0.44]	Dermatitis [1.24]	Back Pain [1.36]	Headaches [0.76]	Conduct [1.07]	Anxiety [0.82]	Falls [1.15]	Depression [0.96]	Road Inj [0.34]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
S Korea	Neonatal [0.74]	Congenital [0.42]	Headaches [0.89]	Dermatitis [1.08]	Back Pain [1.08]	Anxiety [0.85]	Road Inj [0.46]	Conduct [0.9]	Depression [0.99]	Falls [0.98]
Singapore	Neonatal [0.48]	Congenital [0.4]	Dermatitis [1.02]	Headaches [0.71]	Depression [1.2]	Anxiety [0.8]	Back Pain [0.88]	Conduct [0.87]	Falls [0.98]	Asthma [0.79]
High-income North America	Neonatal [1.1]	Congenital [0.78]	Drugs [5.28]	Road Inj [0.82]	Dermatitis [1.34]	Headaches [1.01]	Depression [1.77]	Anxiety [1.01]	Conduct [1.19]	Asthma [1.2]
Canada	Neonatal [0.96]	Congenital [0.78]	Dermatitis [1.45]	Headaches [1.0]	Drugs [4.05]	Road Inj [0.66]	Depression [1.28]	Asthma [1.28]	Anxiety [0.8]	Conduct [0.98]
Greenland	Neonatal [1.19]	Self Harm [6.42]	Congenital [0.7]	Depression [2.35]	Violence [3.53]	Dermatitis [1.39]	SIDS [2.74]	Headaches [0.97]	Drown [1.61]	LRI [0.83]
USA	Neonatal [1.09]	Congenital [0.77]	Drugs [5.43]	Road Inj [0.83]	Dermatitis [1.33]	Depression [1.82]	Headaches [1.01]	Anxiety [1.03]	Conduct [1.21]	Violence [3.48]
Alabama	Neonatal [1.23]	Congenital [0.83]	Road Inj [1.37]	Drugs [6.93]	Headaches [1.04]	Violence [4.45]	Depression [1.82]	Dermatitis [1.16]	Anxiety [1.08]	SIDS [2.21]
Alaska	Neonatal [0.82]	Congenital [0.73]	Drugs [5.68]	Headaches [0.95]	Depression [1.71]	Dermatitis [1.2]	Self Harm [1.95]	Road Inj [0.68]	Anxiety [0.99]	SIDS [2.27]
Arizona	Neonatal [0.81]	Congenital [0.68]	Drugs [7.13]	Depression [2.1]	Road Inj [0.83]	Dermatitis [1.36]	Headaches [1.03]	Anxiety [1.07]	Conduct [1.19]	Asthma [1.26]
Arkansas	Neonatal [0.88]	Congenital [0.73]	Road Inj [1.28]	Drugs [6.45]	Depression [2.11]	Headaches [1.02]	SIDS [2.7]	Anxiety [1.08]	Violence [3.46]	Dermatitis [1.07]
California	Neonatal [0.89]	Congenital [0.71]	Dermatitis [1.49]	Headaches [1.02]	Depression [1.76]	Drugs [3.9]	Anxiety [1.0]	Road Inj [0.61]	Conduct [1.2]	Violence [3.61]
Colorado	Neonatal [1.09]	Congenital [0.78]	Depression [2.02]	Drugs [4.73]	Headaches [1.03]	Road Inj [0.77]	Dermatitis [1.19]	Anxiety [1.02]	Self Harm [1.75]	Conduct [1.22]
Connecticut	Neonatal [1.3]	Drugs [6.52]	Congenital [0.65]	Dermatitis [1.49]	Headaches [1.07]	Depression [1.67]	Anxiety [1.03]	Asthma [1.53]	Conduct [1.25]	Road Inj [0.63]
Delaware	Neonatal [1.6]	Congenital [0.86]	Drugs [7.28]	Road Inj [0.9]	Depression [1.92]	Headaches [1.04]	Dermatitis [1.19]	Anxiety [1.04]	Conduct [1.2]	Asthma [1.28]
DC	Neonatal [3.43]	Congenital [1.73]	Violence [17.47]	SIDS [4.38]	Dermatitis [1.85]	Drugs [4.46]	F Body [5.64]	Headaches [0.89]	LRI [4.78]	Road Inj [0.61]
Florida	Neonatal [1.24]	Congenital [0.81]	Drugs [5.74]	Road Inj [0.91]	Dermatitis [1.31]	Headaches [1.03]	Depression [1.8]	Anxiety [1.04]	Violence [4.31]	Conduct [1.2]
Georgia	Neonatal [1.15]	Congenital [0.73]	Road Inj [0.97]	Drugs [5.23]	Dermatitis [1.43]	Headaches [1.04]	Depression [1.76]	Violence [4.13]	Anxiety [1.06]	Conduct [1.2]
Hawaii	Neonatal [1.17]	Congenital [0.73]	Dermatitis [1.58]	Headaches [0.97]	Depression [1.71]	Road Inj [0.64]	Anxiety [0.99]	Conduct [1.16]	Asthma [1.28]	Drugs [2.61]
Idaho	Neonatal [0.67]	Congenital [0.57]	Road Inj [0.89]	Drugs [5.29]	Depression [2.02]	Headaches [1.01]	Dermatitis [1.1]	Anxiety [1.06]	Conduct [1.19]	Self Harm [1.57]
Illinois	Neonatal [1.31]	Congenital [0.8]	Drugs [4.74]	Headaches [1.03]	Violence [5.54]	Depression [1.67]	Dermatitis [1.16]	Anxiety [1.03]	Road Inj [0.66]	Conduct [1.21]
Indiana	Neonatal [1.06]	Congenital [0.82]	Drugs [6.73]	Road Inj [0.95]	Depression [1.94]	Headaches [1.02]	Dermatitis [1.15]	Anxiety [1.06]	Conduct [1.19]	Violence [3.5]
Iowa	Neonatal [0.75]	Congenital [0.68]	Road Inj [0.88]	Headaches [1.01]	Back Pain [1.44]	Depression [1.71]	Anxiety [1.03]	Dermatitis [1.05]	Conduct [1.19]	Drugs [2.78]
Kansas	Neonatal [0.97]	Congenital [0.75]	Road Inj [1.0]	Depression [1.8]	Headaches [1.0]	Dermatitis [1.11]	Anxiety [1.02]	Conduct [1.19]	Drugs [3.48]	Back Pain [1.11]
Kentucky	Neonatal [0.91]	Congenital [0.77]	Drugs [9.9]	Road Inj [1.08]	Depression [1.94]	Headaches [1.01]	Dermatitis [1.17]	Anxiety [1.07]	SIDS [2.19]	Conduct [1.17]
Louisiana	Neonatal [1.16]	Congenital [0.85]	Road Inj [1.13]	Violence [6.42]	Drugs [6.96]	Headaches [0.99]	Dermatitis [1.26]	Depression [1.69]	Anxiety [1.04]	SIDS [2.23]
Maine	Neonatal [1.15]	Congenital [0.89]	Drugs [7.5]	Road Inj [1.01]	Depression [1.97]	Headaches [1.06]	Anxiety [1.06]	Conduct [1.23]	Dermatitis [0.99]	Asthma [1.3]
Maryland	Neonatal [1.65]	Congenital [0.88]	Dermatitis [1.51]	Headaches [1.01]	Violence [5.85]	Depression [1.7]	Road Inj [0.73]	Drugs [3.84]	Anxiety [1.0]	Conduct [1.21]
Massachusetts	Neonatal [1.39]	Congenital [0.8]	Drugs [6.42]	Dermatitis [1.35]	Headaches [1.06]	Depression [1.79]	Anxiety [1.01]	Conduct [1.24]	Asthma [1.34]	Road Inj [0.56]
Michigan	Neonatal [1.24]	Congenital [0.82]	Drugs [6.46]	Depression [1.92]	Road Inj [0.81]	Dermatitis [1.19]	Anxiety [1.05]	Headaches [0.85]	Violence [4.22]	Conduct [1.21]
Minnesota	Neonatal [1.04]	Congenital [0.87]	Headaches [1.01]	Depression [1.74]	Anxiety [1.0]	Dermatitis [1.05]	Road Inj [0.66]	Conduct [1.21]	Drugs [2.68]	Self Harm [1.28]
Mississippi	Neonatal [1.12]	Congenital [0.81]	Road Inj [1.58]	Drugs [6.45]	Violence [4.22]	Headaches [1.03]	Depression [1.77]	Anxiety [1.1]	Dermatitis [1.06]	F Body [3.19]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Missouri	Neonatal [1.04]	Congenital [0.77]	Road Inj [1.04]	Drugs [5.85]	Depression [1.94]	Headaches [1.01]	Violence [4.34]	Anxiety [1.04]	Dermatitis [1.07]	Conduct [1.18]
Montana	Neonatal [0.92]	Congenital [0.85]	Road Inj [1.45]	Drugs [5.27]	Depression [1.87]	Headaches [0.99]	Self Harm [2.03]	Anxiety [1.02]	Dermatitis [1.05]	Conduct [1.18]
Nebraska	Neonatal [0.94]	Congenital [0.78]	Road Inj [1.0]	Headaches [0.99]	Depression [1.65]	Dermatitis [1.06]	Anxiety [1.0]	Back Pain [1.19]	Conduct [1.18]	Drugs [2.7]
Nevada	Neonatal [0.83]	Congenital [0.64]	Drugs [7.15]	Road Inj [0.8]	Depression [1.88]	Dermatitis [1.3]	Headaches [1.0]	Violence [3.95]	Anxiety [1.04]	Conduct [1.17]
New Hampshire	Neonatal [1.07]	Drugs [7.55]	Congenital [0.74]	Depression [2.06]	Headaches [1.08]	Road Inj [0.74]	Anxiety [1.04]	Dermatitis [1.04]	Conduct [1.27]	Asthma [1.2]
New Jersey	Neonatal [1.14]	Congenital [0.73]	Dermatitis [1.62]	Drugs [5.16]	Headaches [1.03]	Depression [1.53]	Anxiety [1.01]	Asthma [1.53]	Conduct [1.22]	Road Inj [0.53]
New Mexico	Neonatal [0.79]	Congenital [0.67]	Road Inj [1.04]	Drugs [6.65]	Depression [2.11]	Headaches [1.02]	Dermatitis [1.17]	Anxiety [1.08]	Self Harm [1.7]	Conduct [1.19]
New York	Neonatal [1.26]	Congenital [0.83]	Dermatitis [1.68]	Depression [1.84]	Drugs [4.49]	Headaches [1.01]	Asthma [1.68]	Anxiety [0.99]	Conduct [1.19]	Road Inj [0.51]
N Carolina	Neonatal [1.18]	Congenital [0.75]	Road Inj [0.97]	Drugs [5.63]	Headaches [1.03]	Depression [1.79]	Dermatitis [1.23]	Anxiety [0.99]	Conduct [1.11]	Violence [3.27]
N Dakota	Neonatal [1.19]	Congenital [1.06]	Road Inj [1.19]	Headaches [0.93]	Depression [1.49]	SIDS [2.4]	Dermatitis [1.04]	Anxiety [0.94]	Conduct [1.12]	Self Harm [1.51]
Ohio	Neonatal [1.22]	Congenital [0.86]	Drugs [7.92]	Road Inj [0.78]	Depression [1.86]	Headaches [1.03]	Dermatitis [1.26]	Anxiety [1.05]	Conduct [1.19]	Violence [3.41]
Oklahoma	Neonatal [1.07]	Congenital [0.9]	Road Inj [1.25]	Drugs [7.8]	Depression [1.9]	Dermatitis [1.32]	Headaches [1.01]	Anxiety [1.05]	Violence [3.57]	SIDS [2.14]
Oregon	Neonatal [0.98]	Congenital [0.7]	Drugs [6.53]	Depression [1.99]	Dermatitis [1.39]	Headaches [1.02]	Road Inj [0.67]	Anxiety [0.95]	Conduct [1.08]	Self Harm [1.36]
Pennsylvania	Neonatal [1.32]	Congenital [0.81]	Drugs [7.79]	Dermatitis [1.3]	Depression [1.8]	Road Inj [0.78]	Headaches [0.94]	Anxiety [1.03]	Conduct [1.21]	Back Pain [1.05]
Rhode Island	Neonatal [1.46]	Drugs [8.15]	Congenital [0.81]	Depression [2.02]	Headaches [1.07]	Dermatitis [1.18]	Anxiety [1.04]	Conduct [1.23]	Road Inj [0.57]	Asthma [1.26]
S Carolina	Neonatal [1.16]	Congenital [0.71]	Road Inj [1.22]	Drugs [6.64]	Dermatitis [1.42]	Depression [1.88]	Headaches [1.03]	Anxiety [1.07]	Violence [3.82]	Conduct [1.19]
S Dakota	Neonatal [0.91]	Congenital [0.87]	Road Inj [1.37]	Headaches [0.96]	Self Harm [1.83]	Depression [1.52]	Dermatitis [1.03]	Anxiety [1.0]	Back Pain [1.17]	Conduct [1.16]
Tennessee	Neonatal [0.94]	Congenital [0.77]	Drugs [8.1]	Road Inj [0.99]	Depression [1.9]	Headaches [1.02]	Dermatitis [1.18]	Violence [3.77]	Anxiety [1.06]	Conduct [1.17]
Texas	Neonatal [0.88]	Congenital [0.69]	Road Inj [0.89]	Dermatitis [1.39]	Headaches [1.01]	Depression [1.76]	Conduct [1.36]	Anxiety [1.06]	Drugs [3.73]	Violence [2.99]
Utah	Neonatal [0.71]	Congenital [0.63]	Drugs [6.0]	Depression [2.14]	Headaches [1.0]	Road Inj [0.67]	Dermatitis [1.12]	Self Harm [1.86]	Anxiety [1.03]	Conduct [1.18]
Vermont	Neonatal [1.08]	Congenital [0.79]	Drugs [5.68]	Headaches [1.08]	Depression [1.91]	Road Inj [0.85]	Anxiety [1.05]	Dermatitis [1.02]	Conduct [1.26]	Asthma [1.08]
Virginia	Neonatal [1.29]	Congenital [0.82]	Dermatitis [1.51]	Depression [1.9]	Headaches [1.02]	Drugs [4.34]	Road Inj [0.75]	Anxiety [1.01]	Conduct [1.2]	Asthma [1.21]
Washington	Neonatal [0.95]	Congenital [0.78]	Drugs [5.22]	Dermatitis [1.36]	Depression [1.92]	Headaches [1.0]	Anxiety [1.0]	Road Inj [0.6]	Conduct [1.19]	Self Harm [1.26]
W Virginia	Neonatal [0.96]	Drugs [12.77]	Congenital [0.77]	Road Inj [1.16]	Depression [1.97]	Headaches [1.02]	Dermatitis [1.19]	Anxiety [1.08]	SIDS [2.23]	Conduct [1.17]
Wisconsin	Neonatal [1.12]	Congenital [0.79]	Drugs [5.47]	Depression [1.92]	Headaches [1.03]	Road Inj [0.75]	Anxiety [1.03]	Dermatitis [1.05]	Conduct [1.21]	Back Pain [0.95]
Wyoming	Neonatal [1.04]	Congenital [0.75]	Road Inj [1.27]	Depression [1.98]	Headaches [0.99]	Self Harm [1.96]	Drugs [3.97]	Dermatitis [1.1]	Anxiety [1.01]	Back Pain [1.13]
Southern Latin America	Neonatal [0.75]	Congenital [0.71]	Road Inj [0.6]	Anxiety [1.34]	LRI [0.48]	Back Pain [1.3]	Diarrhea [1.54]	Dermatitis [1.03]	Depression [1.33]	Self Harm [1.3]
Argentina	Neonatal [0.79]	Congenital [0.69]	Road Inj [0.63]	LRI [0.51]	Anxiety [1.35]	Diarrhea [1.54]	Self Harm [1.43]	Dermatitis [0.97]	Back Pain [1.17]	Depression [1.3]
Chile	Neonatal [0.64]	Congenital [0.77]	Back Pain [1.71]	Anxiety [1.3]	Dermatitis [1.21]	Road Inj [0.47]	Depression [1.46]	Headaches [0.69]	Diarrhea [1.53]	Conduct [0.9]
Uruguay	Neonatal [0.56]	Congenital [0.64]	Road Inj [0.59]	Anxiety [1.4]	LRI [0.37]	Dermatitis [0.95]	Headaches [0.67]	Self Harm [1.27]	Back Pain [1.07]	Asthma [1.01]
Western Europe	Neonatal [0.67]	Congenital [0.57]	Anxiety [1.23]	Headaches [0.97]	Dermatitis [1.12]	Back Pain [1.08]	Depression [1.08]	Conduct [0.91]	Asthma [0.95]	Road Inj [0.37]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Andorra	Neonatal [0.48]	Dermatitis [1.4]	Headaches [1.07]	Anxiety [1.21]	Congenital [0.44]	Back Pain [1.1]	Depression [1.11]	Conduct [0.98]	Asthma [1.13]	Road Inj [0.43]
Austria	Neonatal [0.83]	Congenital [0.64]	Headaches [1.02]	Anxiety [1.17]	Dermatitis [0.76]	Back Pain [0.85]	Conduct [0.89]	Road Inj [0.43]	Falls [0.87]	Asthma [0.83]
Belgium	Neonatal [0.65]	Congenital [0.59]	Headaches [1.2]	Anxiety [1.1]	Dermatitis [0.96]	Back Pain [0.92]	Conduct [0.89]	Depression [1.01]	Road Inj [0.43]	Falls [0.93]
Cyprus	Neonatal [0.72]	Congenital [0.39]	Road Inj [0.74]	Headaches [0.97]	Anxiety [1.15]	Back Pain [1.07]	Dermatitis [0.8]	Conduct [0.88]	Depression [0.98]	Asthma [0.85]
Denmark	Neonatal [0.89]	Congenital [0.79]	Dermatitis [1.32]	Anxiety [1.15]	Back Pain [1.37]	Headaches [0.85]	Conduct [0.92]	Asthma [0.99]	Road Inj [0.39]	Depression [0.81]
Finland	Neonatal [0.82]	Congenital [0.58]	Dermatitis [1.39]	Headaches [0.98]	Depression [1.34]	Anxiety [0.83]	Conduct [0.89]	Road Inj [0.45]	Asthma [0.98]	Falls [0.86]
France	Neonatal [0.65]	Congenital [0.54]	Anxiety [1.4]	Dermatitis [1.25]	Headaches [0.81]	Back Pain [1.06]	Depression [1.12]	Conduct [0.9]	Road Inj [0.43]	Asthma [0.93]
Germany	Neonatal [0.79]	Congenital [0.63]	Anxiety [1.41]	Back Pain [1.41]	Headaches [0.88]	Dermatitis [0.92]	Depression [1.06]	Conduct [0.91]	Road Inj [0.42]	Epilepsy [1.8]
Greece	Neonatal [0.55]	Congenital [0.63]	Headaches [1.18]	Anxiety [1.34]	Road Inj [0.61]	Depression [1.37]	Back Pain [0.95]	Conduct [0.88]	Dermatitis [0.66]	Asthma [0.78]
Iceland	Neonatal [0.53]	Congenital [0.56]	Dermatitis [1.45]	Headaches [0.97]	Anxiety [1.11]	Asthma [1.47]	Back Pain [0.98]	Conduct [0.9]	Road Inj [0.39]	Depression [0.85]
Ireland	Neonatal [0.63]	Congenital [0.81]	Anxiety [1.23]	Dermatitis [1.19]	Headaches [0.94]	Asthma [1.28]	Depression [1.14]	Conduct [0.88]	Back Pain [0.76]	Falls [0.8]
Israel	Neonatal [0.56]	Congenital [0.56]	Headaches [0.88]	Dermatitis [1.06]	Back Pain [1.05]	Depression [1.04]	Road Inj [0.38]	Blindness [2.78]	Anxiety [0.69]	Conduct [0.81]
Italy	Neonatal [0.52]	Congenital [0.46]	Headaches [1.24]	Anxiety [1.28]	Dermatitis [0.94]	Back Pain [1.03]	Depression [1.11]	Conduct [0.9]	Road Inj [0.38]	Acne [1.39]
Luxembourg	Neonatal [0.73]	Headaches [1.13]	Dermatitis [1.41]	Anxiety [1.11]	Congenital [0.45]	Back Pain [0.96]	Asthma [1.18]	Road Inj [0.5]	Conduct [0.91]	Depression [0.94]
Malta	Neonatal [0.88]	Congenital [1.03]	Headaches [0.97]	Anxiety [1.18]	Back Pain [1.08]	Dermatitis [0.82]	Conduct [0.85]	Depression [1.0]	Falls [1.03]	Asthma [0.93]
Netherlands	Neonatal [0.94]	Congenital [0.77]	Anxiety [1.41]	Headaches [1.08]	Dermatitis [1.22]	Conduct [1.03]	Depression [1.11]	Back Pain [0.81]	Asthma [1.04]	Acne [1.28]
Norway	Neonatal [0.7]	Congenital [0.66]	Anxiety [1.55]	Dermatitis [1.37]	Headaches [1.03]	Asthma [1.39]	Back Pain [0.91]	Conduct [0.98]	Falls [0.97]	Depression [0.98]
Portugal	Neonatal [0.34]	Congenital [0.31]	Headaches [1.07]	Anxiety [1.35]	Back Pain [1.19]	Asthma [1.3]	Depression [1.4]	Dermatitis [0.86]	Conduct [0.91]	Road Inj [0.35]
Spain	Neonatal [0.48]	Congenital [0.41]	Headaches [1.15]	Anxiety [1.15]	Back Pain [1.15]	Conduct [0.88]	Depression [1.02]	Dermatitis [0.71]	Asthma [0.76]	Road Inj [0.29]
Sweden	Neonatal [0.63]	Congenital [0.65]	Dermatitis [1.76]	Headaches [0.99]	Anxiety [1.09]	Asthma [1.38]	Depression [1.13]	Conduct [0.95]	Back Pain [0.85]	Falls [0.94]
Stockholm	Neonatal [0.65]	Congenital [0.82]	Dermatitis [1.42]	Headaches [0.95]	Anxiety [1.04]	Asthma [1.23]	Conduct [0.95]	Falls [0.88]	Depression [0.88]	Acne [1.27]
Sweden w/o Stockholm	Neonatal [0.62]	Congenital [0.6]	Dermatitis [1.86]	Headaches [1.0]	Anxiety [1.11]	Asthma [1.43]	Depression [1.2]	Back Pain [0.95]	Conduct [0.95]	Falls [0.96]
Switzerland	Neonatal [0.88]	Congenital [0.81]	Back Pain [1.96]	Dermatitis [1.41]	Anxiety [1.12]	Headaches [0.81]	Conduct [0.89]	Asthma [0.97]	Depression [0.92]	Falls [0.7]
UK	Neonatal [0.83]	Congenital [0.65]	Dermatitis [1.5]	Headaches [0.88]	Asthma [1.52]	Anxiety [1.0]	Conduct [0.94]	Depression [1.05]	Back Pain [0.86]	Falls [0.84]
England	Neonatal [0.88]	Congenital [0.67]	Dermatitis [1.53]	Headaches [0.86]	Asthma [1.54]	Anxiety [0.97]	Conduct [0.95]	Back Pain [0.86]	Depression [1.03]	Falls [0.82]
E Midlands	Neonatal [0.81]	Congenital [0.62]	Dermatitis [1.5]	Headaches [0.88]	Asthma [1.45]	Anxiety [1.0]	Conduct [0.96]	Back Pain [0.88]	Depression [1.06]	Road Inj [0.31]
Derby	Neonatal [1.04]	Congenital [0.78]	Dermatitis [1.51]	Headaches [0.84]	Asthma [1.45]	Anxiety [0.96]	Conduct [0.94]	Back Pain [0.85]	Depression [1.0]	Falls [0.84]
Derbyshire	Neonatal [0.6]	Congenital [0.5]	Dermatitis [1.49]	Headaches [0.9]	Asthma [1.43]	Anxiety [1.04]	Conduct [0.97]	Depression [1.09]	Back Pain [0.8]	Falls [0.91]
Leicester	Neonatal [1.12]	Congenital [0.86]	Dermatitis [1.5]	Headaches [0.86]	Asthma [1.47]	Anxiety [0.97]	Conduct [0.94]	Back Pain [0.88]	Depression [1.03]	Falls [0.86]
Leicestershire	Neonatal [0.76]	Congenital [0.59]	Dermatitis [1.48]	Headaches [0.92]	Anxiety [1.01]	Asthma [1.45]	Conduct [0.99]	Back Pain [0.94]	Depression [1.1]	Falls [0.84]
Lincolnshire	Neonatal [0.64]	Congenital [0.52]	Dermatitis [1.5]	Headaches [0.89]	Asthma [1.43]	Anxiety [1.03]	Conduct [0.95]	Back Pain [0.92]	Road Inj [0.4]	Depression [1.07]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Northamptonshire	Neonatal [0.86]	Congenital [0.62]	Dermatitis [1.51]	Headaches [0.85]	Asthma [1.44]	Anxiety [0.98]	Conduct [0.94]	Back Pain [0.87]	Depression [1.01]	Road Inj [0.31]
Nottingham	Neonatal [1.25]	Congenital [0.86]	Dermatitis [1.49]	Headaches [0.9]	Asthma [1.53]	Anxiety [0.96]	Back Pain [0.91]	Conduct [0.96]	Depression [1.07]	Falls [0.81]
Nottinghamshire	Neonatal [0.73]	Congenital [0.55]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.43]	Anxiety [1.01]	Conduct [0.95]	Back Pain [0.9]	Depression [1.05]	Falls [0.85]
Rutland	Neonatal [0.37]	Congenital [0.41]	Dermatitis [1.45]	Headaches [0.99]	Anxiety [1.08]	Asthma [1.44]	Back Pain [1.02]	Conduct [1.04]	Depression [1.2]	Road Inj [0.36]
E England	Neonatal [0.71]	Congenital [0.55]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.45]	Anxiety [0.98]	Conduct [0.96]	Back Pain [0.87]	Depression [1.03]	Falls [0.82]
Bedford	Neonatal [0.9]	Congenital [0.65]	Dermatitis [1.5]	Headaches [0.88]	Asthma [1.45]	Anxiety [0.99]	Conduct [0.96]	Back Pain [0.9]	Depression [1.05]	Falls [0.83]
Cambridgeshire	Neonatal [0.81]	Congenital [0.61]	Dermatitis [1.5]	Headaches [0.88]	Asthma [1.49]	Anxiety [0.96]	Conduct [0.98]	Depression [1.05]	Back Pain [0.82]	Falls [0.8]
Cen Bedfordshire	Neonatal [0.61]	Congenital [0.49]	Dermatitis [1.51]	Headaches [0.85]	Asthma [1.44]	Anxiety [0.98]	Conduct [0.95]	Back Pain [0.86]	Depression [1.02]	Falls [0.83]
Essex	Neonatal [0.66]	Congenital [0.5]	Dermatitis [1.5]	Headaches [0.88]	Asthma [1.43]	Anxiety [1.01]	Conduct [0.97]	Back Pain [0.89]	Depression [1.06]	Falls [0.83]
Hertfordshire	Neonatal [0.73]	Congenital [0.55]	Dermatitis [1.51]	Headaches [0.86]	Asthma [1.48]	Anxiety [0.95]	Conduct [0.97]	Back Pain [0.85]	Depression [1.01]	Falls [0.77]
Luton	Neonatal [1.11]	Congenital [0.86]	Dermatitis [1.52]	Asthma [1.48]	Headaches [0.82]	Anxiety [0.95]	Conduct [0.93]	Back Pain [0.83]	Depression [0.97]	Falls [0.84]
Norfolk	Neonatal [0.66]	Congenital [0.55]	Dermatitis [1.5]	Headaches [0.88]	Asthma [1.43]	Anxiety [1.01]	Conduct [0.96]	Back Pain [0.9]	Depression [1.06]	Drugs [2.09]
Peterborough	Neonatal [0.71]	Congenital [0.59]	Dermatitis [1.53]	Asthma [1.48]	Headaches [0.8]	Anxiety [0.95]	Conduct [0.91]	Back Pain [0.82]	Depression [0.95]	Road Inj [0.32]
Southend-on-Sea	Neonatal [0.63]	Congenital [0.51]	Dermatitis [1.52]	Headaches [0.84]	Asthma [1.42]	Anxiety [0.99]	Conduct [0.93]	Back Pain [0.85]	Depression [1.01]	Iron [2.4]
Suffolk	Neonatal [0.6]	Congenital [0.47]	Dermatitis [1.5]	Headaches [0.88]	Asthma [1.41]	Anxiety [1.01]	Conduct [0.96]	Back Pain [0.89]	Depression [1.06]	Iron [2.57]
Thurrock	Neonatal [0.59]	Congenital [0.46]	Dermatitis [1.53]	Asthma [1.45]	Headaches [0.82]	Anxiety [0.99]	Conduct [0.92]	Back Pain [0.83]	Depression [0.99]	Falls [0.84]
Greater London	Neonatal [1.14]	Congenital [0.8]	Dermatitis [1.54]	Asthma [1.77]	Headaches [0.81]	Anxiety [0.88]	Conduct [0.93]	Back Pain [0.79]	Depression [0.94]	Falls [0.73]
Barking & Dagenham	Neonatal [0.72]	Congenital [0.55]	Dermatitis [2.0]	Asthma [1.61]	Headaches [0.75]	Anxiety [0.93]	Iron [2.93]	Conduct [0.87]	Back Pain [0.78]	Depression [0.89]
Barnet	Neonatal [0.71]	Congenital [0.55]	Dermatitis [1.52]	Asthma [1.7]	Headaches [0.8]	Anxiety [0.91]	Conduct [0.93]	Back Pain [0.8]	Depression [0.95]	Falls [0.76]
Bexley	Neonatal [0.6]	Congenital [0.48]	Dermatitis [1.5]	Asthma [1.67]	Headaches [0.86]	Anxiety [0.99]	Conduct [0.94]	Back Pain [0.89]	Depression [1.04]	Falls [0.83]
Brent	Neonatal [0.95]	Congenital [0.69]	Dermatitis [1.5]	Asthma [1.7]	Headaches [0.81]	Anxiety [0.93]	Conduct [0.94]	Back Pain [0.83]	Depression [0.97]	Falls [0.79]
Bromley	Neonatal [0.7]	Congenital [0.52]	Dermatitis [1.51]	Asthma [1.68]	Headaches [0.84]	Anxiety [0.95]	Conduct [0.94]	Back Pain [0.85]	Depression [1.0]	Falls [0.79]
Camden	Neonatal [1.13]	Congenital [0.79]	Dermatitis [1.52]	Asthma [1.85]	Headaches [0.88]	Anxiety [0.89]	Conduct [0.96]	Back Pain [0.84]	Depression [1.02]	Drugs [2.06]
Croydon	Neonatal [0.81]	Congenital [0.6]	Dermatitis [1.53]	Asthma [1.67]	Headaches [0.8]	Anxiety [0.93]	Conduct [0.89]	Back Pain [0.81]	Depression [0.94]	Iron [2.79]
Ealing	Neonatal [0.85]	Congenital [0.6]	Dermatitis [1.53]	Asthma [1.71]	Headaches [0.78]	Anxiety [0.89]	Conduct [0.91]	Back Pain [0.78]	Depression [0.92]	Falls [0.75]
Enfield	Neonatal [0.83]	Congenital [0.57]	Dermatitis [1.52]	Asthma [1.67]	Headaches [0.82]	Anxiety [0.95]	Conduct [0.93]	Back Pain [0.83]	Depression [0.97]	Falls [0.79]
Greenwich	Neonatal [1.01]	Congenital [0.69]	Dermatitis [1.53]	Asthma [1.64]	Headaches [0.79]	Anxiety [0.92]	Conduct [0.88]	Back Pain [0.81]	Depression [0.94]	Falls [0.77]
Hackney	Neonatal [1.55]	Congenital [1.0]	Dermatitis [1.52]	Asthma [1.82]	Headaches [0.79]	Anxiety [0.87]	Conduct [0.9]	Back Pain [0.78]	Depression [0.92]	SIDS [1.44]
Hammersmith & Fulham	Neonatal [1.29]	Congenital [0.89]	Dermatitis [1.55]	Asthma [1.8]	Headaches [0.78]	Anxiety [0.83]	Conduct [0.9]	Back Pain [0.74]	Depression [0.9]	Falls [0.71]
Haringey	Neonatal [0.97]	Congenital [0.66]	Dermatitis [1.5]	Asthma [1.71]	Headaches [0.84]	Anxiety [0.95]	Conduct [0.95]	Back Pain [0.85]	Depression [0.99]	Falls [0.79]
Harrow	Neonatal [1.04]	Congenital [0.69]	Dermatitis [1.51]	Asthma [1.68]	Headaches [0.83]	Anxiety [0.95]	Conduct [0.94]	Back Pain [0.84]	Depression [0.99]	Falls [0.79]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Havering	Neonatal [0.61]	Congenital [0.48]	Dermatitis [1.5]	Asthma [1.66]	Headaches [0.85]	Anxiety [0.98]	Conduct [0.93]	Back Pain [0.88]	Depression [1.03]	Falls [0.83]
Hillingdon	Neonatal [0.92]	Congenital [0.74]	Dermatitis [1.51]	Asthma [1.8]	Headaches [0.83]	Anxiety [0.91]	Conduct [0.94]	Back Pain [0.83]	Depression [0.98]	Falls [0.76]
Hounslow	Neonatal [1.14]	Congenital [0.8]	Dermatitis [1.54]	Asthma [1.74]	Headaches [0.77]	Anxiety [0.86]	Conduct [0.89]	Back Pain [0.75]	Depression [0.9]	Falls [0.74]
Islington	Neonatal [1.18]	Congenital [0.9]	Dermatitis [1.53]	Asthma [1.85]	Headaches [0.82]	Anxiety [0.85]	Conduct [0.91]	Back Pain [0.79]	Depression [0.95]	Drugs [2.03]
Kensington & Chelsea	Neonatal [0.98]	Congenital [0.71]	Dermatitis [1.53]	Asthma [1.82]	Headaches [0.83]	Anxiety [0.85]	Conduct [0.94]	Back Pain [0.79]	Depression [0.96]	Drugs [1.94]
Kingston upon Thames	Neonatal [1.01]	Congenital [0.75]	Dermatitis [1.53]	Asthma [1.76]	Headaches [0.84]	Anxiety [0.9]	Conduct [0.92]	Back Pain [0.82]	Depression [0.98]	Falls [0.73]
Lambeth	Neonatal [1.44]	Congenital [1.01]	Dermatitis [1.53]	Asthma [1.77]	Headaches [0.8]	Anxiety [0.86]	Conduct [0.91]	Back Pain [0.77]	Depression [0.92]	SIDS [1.35]
Lewisham	Neonatal [1.12]	Congenital [0.68]	Dermatitis [1.53]	Asthma [1.66]	Headaches [0.76]	Anxiety [0.89]	Conduct [0.87]	Back Pain [0.77]	Depression [0.9]	Falls [0.76]
Merton	Neonatal [1.01]	Congenital [0.76]	Dermatitis [1.54]	Asthma [1.71]	Headaches [0.75]	Anxiety [0.85]	Conduct [0.88]	Back Pain [0.74]	Depression [0.88]	Falls [0.73]
Newham	Neonatal [0.97]	Congenital [0.72]	Dermatitis [1.51]	Asthma [1.68]	Headaches [0.8]	Anxiety [0.92]	Conduct [0.89]	Back Pain [0.82]	Depression [0.95]	Falls [0.78]
Redbridge	Neonatal [0.64]	Congenital [0.51]	Dermatitis [1.52]	Asthma [1.65]	Headaches [0.8]	Anxiety [0.94]	Conduct [0.91]	Back Pain [0.82]	Depression [0.95]	Falls [0.8]
Richmond upon Thames	Neonatal [0.85]	Congenital [0.68]	Dermatitis [1.54]	Asthma [1.76]	Headaches [0.79]	Anxiety [0.87]	Conduct [0.92]	Back Pain [0.76]	Depression [0.91]	Falls [0.72]
Southwark	Neonatal [1.49]	Congenital [0.98]	Dermatitis [1.54]	Asthma [1.79]	Headaches [0.78]	Anxiety [0.84]	Conduct [0.9]	Back Pain [0.75]	Depression [0.9]	Falls [0.72]
Sutton	Neonatal [0.78]	Congenital [0.64]	Dermatitis [1.52]	Asthma [1.69]	Headaches [0.82]	Anxiety [0.94]	Conduct [0.92]	Back Pain [0.83]	Depression [0.98]	Falls [0.79]
Tower Hamlets	Neonatal [1.63]	Congenital [1.11]	Dermatitis [1.52]	Asthma [1.81]	Headaches [0.79]	Anxiety [0.85]	Conduct [0.91]	Back Pain [0.77]	Depression [0.92]	Falls [0.73]
Waltham Forest	Neonatal [0.77]	Congenital [0.57]	Dermatitis [1.53]	Asthma [1.61]	Headaches [0.77]	Anxiety [0.92]	Conduct [0.87]	Back Pain [0.79]	Depression [0.92]	Falls [0.81]
Wandsworth	Neonatal [1.26]	Congenital [0.86]	Dermatitis [1.55]	Asthma [1.73]	Headaches [0.74]	Anxiety [0.8]	Conduct [0.86]	Back Pain [0.7]	Depression [0.85]	URI [1.29]
Westminster	Neonatal [1.1]	Congenital [0.77]	Dermatitis [1.52]	Asthma [1.87]	Headaches [0.85]	Anxiety [0.88]	Conduct [0.96]	Back Pain [0.82]	Depression [0.99]	Drugs [1.9]
NE England	Neonatal [0.66]	Congenital [0.57]	Dermatitis [1.61]	Headaches [0.88]	Asthma [1.45]	Anxiety [1.01]	Conduct [0.95]	Back Pain [0.89]	Depression [1.05]	Iron [2.8]
County Durham	Neonatal [0.69]	Congenital [0.56]	Dermatitis [1.78]	Headaches [0.88]	Asthma [1.47]	Anxiety [1.02]	Conduct [0.94]	Depression [1.06]	Iron [3.0]	Back Pain [0.84]
Darlington	Neonatal [0.69]	Congenital [0.58]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.48]	Anxiety [1.0]	Conduct [0.96]	Back Pain [0.9]	Depression [1.04]	Iron [2.94]
Gateshead	Neonatal [0.82]	Congenital [0.63]	Dermatitis [1.77]	Headaches [0.85]	Asthma [1.47]	Anxiety [0.98]	Conduct [0.93]	Back Pain [0.88]	Depression [1.02]	Iron [3.11]
Hartlepool	Neonatal [0.65]	Congenital [0.51]	Dermatitis [1.5]	Headaches [0.88]	Asthma [1.47]	Anxiety [1.04]	Conduct [0.94]	Back Pain [0.91]	Depression [1.07]	Drugs [2.39]
Middlesbrough	Neonatal [0.7]	Congenital [0.63]	Dermatitis [1.51]	Headaches [0.85]	Asthma [1.47]	Anxiety [0.99]	Conduct [0.92]	Back Pain [0.87]	Depression [1.02]	Iron [2.35]
Newcastle upon Tyne	Neonatal [0.82]	Congenital [0.73]	Dermatitis [1.48]	Headaches [0.91]	Asthma [1.54]	Anxiety [0.96]	Back Pain [0.92]	Conduct [0.96]	Depression [1.09]	Drugs [2.17]
N Tyneside	Neonatal [0.56]	Congenital [0.52]	Dermatitis [1.5]	Headaches [0.85]	Asthma [1.45]	Anxiety [0.98]	Conduct [0.94]	Back Pain [0.86]	Depression [1.01]	Falls [0.91]
Northumberland	Neonatal [0.53]	Congenital [0.51]	Dermatitis [1.48]	Headaches [0.91]	Asthma [1.45]	Anxiety [1.05]	Conduct [0.99]	Back Pain [0.94]	Depression [1.1]	Iron [2.58]
Redcar & Cleveland	Neonatal [0.51]	Congenital [0.46]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.43]	Anxiety [1.04]	Conduct [0.95]	Back Pain [0.91]	Depression [1.06]	Iron [2.23]
S Tyneside	Neonatal [0.49]	Congenital [0.47]	Dermatitis [1.79]	Headaches [0.87]	Asthma [1.42]	Anxiety [1.02]	Conduct [0.92]	Back Pain [0.9]	Depression [1.05]	Iron [2.57]
Stockton-on-Tees	Neonatal [0.77]	Congenital [0.59]	Dermatitis [1.51]	Headaches [0.85]	Asthma [1.48]	Anxiety [0.98]	Conduct [0.94]	Back Pain [0.87]	Depression [1.02]	Iron [2.8]
Sunderland	Neonatal [0.6]	Congenital [0.54]	Dermatitis [1.77]	Headaches [0.89]	Anxiety [1.02]	Asthma [1.3]	Conduct [0.96]	Back Pain [0.91]	Depression [1.07]	Iron [2.71]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
NW England	Neonatal [0.91]	Congenital [0.71]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.5]	Anxiety [0.98]	Conduct [0.95]	Back Pain [0.87]	Depression [1.05]	Falls [0.87]
Blackburn with Darwen	Neonatal [0.81]	Congenital [0.64]	Dermatitis [1.51]	Asthma [1.49]	Headaches [0.85]	Anxiety [1.01]	Conduct [0.94]	Back Pain [0.89]	Depression [1.02]	Iron [2.44]
Blackpool	Neonatal [0.73]	Congenital [0.59]	Dermatitis [1.52]	Headaches [0.87]	Asthma [1.47]	Anxiety [1.05]	Conduct [0.93]	Back Pain [0.91]	Depression [1.06]	Drugs [2.94]
Bolton	Neonatal [0.73]	Congenital [0.59]	Dermatitis [1.5]	Headaches [0.85]	Asthma [1.45]	Anxiety [1.0]	Conduct [0.94]	Back Pain [0.9]	Depression [1.03]	Iron [2.34]
Bury	Neonatal [0.77]	Congenital [0.64]	Dermatitis [1.51]	Headaches [0.84]	Asthma [1.43]	Anxiety [0.99]	Conduct [0.94]	Back Pain [0.88]	Depression [1.0]	Iron [2.59]
Cheshire E	Neonatal [0.95]	Congenital [0.7]	Dermatitis [1.49]	Headaches [0.9]	Asthma [1.53]	Anxiety [0.99]	Conduct [1.0]	Back Pain [0.91]	Depression [1.07]	Falls [0.82]
Cheshire W & Chester	Neonatal [0.9]	Congenital [0.73]	Dermatitis [1.49]	Headaches [0.9]	Asthma [1.52]	Anxiety [0.99]	Conduct [0.98]	Back Pain [0.9]	Depression [1.07]	Road Inj [0.37]
Cumbria	Neonatal [0.73]	Congenital [0.58]	Dermatitis [1.49]	Headaches [0.9]	Asthma [1.49]	Anxiety [1.02]	Conduct [0.98]	Back Pain [0.92]	Depression [1.08]	Road Inj [0.36]
Halton	Neonatal [0.75]	Congenital [0.59]	Dermatitis [1.51]	Headaches [0.87]	Asthma [1.51]	Anxiety [1.01]	Conduct [0.96]	Back Pain [0.88]	Depression [1.04]	Falls [0.88]
Knowsley	Neonatal [0.67]	Congenital [0.62]	Dermatitis [1.5]	Asthma [1.53]	Headaches [0.87]	Anxiety [1.0]	Conduct [0.94]	Back Pain [0.89]	Depression [1.04]	Road Inj [0.34]
Lancashire	Neonatal [0.88]	Congenital [0.71]	Dermatitis [1.49]	Headaches [0.89]	Asthma [1.5]	Anxiety [1.0]	Conduct [0.96]	Depression [1.06]	Back Pain [0.84]	Falls [0.9]
Liverpool	Neonatal [1.27]	Congenital [0.92]	Dermatitis [1.49]	Headaches [0.9]	Asthma [1.51]	Anxiety [0.9]	Depression [1.24]	Conduct [0.94]	Back Pain [0.9]	Drugs [2.41]
Manchester	Neonatal [1.6]	Congenital [1.1]	Dermatitis [1.51]	Asthma [1.57]	Headaches [0.84]	Anxiety [0.91]	Back Pain [0.87]	Conduct [0.93]	Depression [0.99]	Falls [0.81]
Oldham	Neonatal [0.84]	Congenital [0.71]	Dermatitis [1.51]	Asthma [1.53]	Headaches [0.86]	Anxiety [1.03]	Conduct [0.94]	Back Pain [0.91]	Depression [1.04]	Falls [0.92]
Rochdale	Neonatal [0.67]	Congenital [0.59]	Dermatitis [1.51]	Headaches [0.85]	Asthma [1.47]	Anxiety [1.02]	Conduct [0.93]	Back Pain [0.9]	Depression [1.03]	Iron [2.35]
Salford	Neonatal [1.05]	Congenital [0.86]	Dermatitis [1.53]	Asthma [1.52]	Headaches [0.8]	Anxiety [0.93]	Conduct [0.9]	Back Pain [0.82]	Depression [0.95]	Falls [0.86]
Sefton	Neonatal [0.77]	Congenital [0.61]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.45]	Anxiety [1.01]	Conduct [0.95]	Back Pain [0.89]	Depression [1.05]	Drugs [2.37]
St Helens	Neonatal [0.65]	Congenital [0.55]	Dermatitis [1.51]	Headaches [0.86]	Asthma [1.45]	Anxiety [1.01]	Conduct [0.94]	Back Pain [0.89]	Depression [1.03]	Drugs [2.29]
Stockport	Neonatal [0.94]	Congenital [0.76]	Dermatitis [1.51]	Headaches [0.85]	Asthma [1.47]	Anxiety [0.97]	Conduct [0.95]	Back Pain [0.87]	Depression [1.01]	Falls [0.86]
Tameside	Neonatal [0.62]	Congenital [0.55]	Dermatitis [1.52]	Asthma [1.45]	Headaches [0.83]	Anxiety [1.0]	Conduct [0.91]	Depression [1.0]	Back Pain [0.7]	Falls [0.89]
Trafford	Neonatal [0.91]	Congenital [0.64]	Dermatitis [1.51]	Headaches [0.87]	Asthma [1.56]	Anxiety [0.96]	Conduct [1.0]	Back Pain [0.87]	Depression [1.02]	Falls [0.82]
Warrington	Neonatal [1.04]	Congenital [0.73]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.54]	Anxiety [0.97]	Conduct [0.98]	Back Pain [0.88]	Depression [1.04]	Drugs [2.04]
Wigan	Neonatal [0.65]	Congenital [0.52]	Dermatitis [1.51]	Headaches [0.86]	Asthma [1.45]	Anxiety [1.02]	Conduct [0.95]	Back Pain [0.9]	Depression [1.03]	Iron [2.18]
Wirral	Neonatal [0.79]	Congenital [0.65]	Dermatitis [1.5]	Headaches [0.88]	Asthma [1.45]	Anxiety [1.03]	Conduct [0.96]	Back Pain [0.9]	Depression [1.06]	Drugs [2.32]
SE England	Neonatal [0.76]	Congenital [0.57]	Dermatitis [1.64]	Headaches [0.88]	Asthma [1.58]	Anxiety [0.98]	Conduct [0.97]	Back Pain [0.86]	Depression [1.04]	Falls [0.81]
Bracknell Forest	Neonatal [0.56]	Congenital [0.53]	Dermatitis [1.52]	Headaches [0.84]	Asthma [1.46]	Anxiety [0.93]	Conduct [0.95]	Back Pain [0.83]	Depression [0.99]	Falls [0.78]
Brighton & Hove	Neonatal [1.12]	Congenital [0.82]	Dermatitis [1.74]	Headaches [0.95]	Anxiety [0.98]	Asthma [1.53]	Conduct [1.01]	Back Pain [0.92]	Depression [1.12]	Drugs [2.44]
Buckinghamshire	Neonatal [0.93]	Congenital [0.66]	Dermatitis [1.5]	Headaches [0.89]	Anxiety [0.98]	Asthma [1.46]	Conduct [0.99]	Back Pain [0.88]	Depression [1.06]	Epilepsy [1.69]
E Sussex	Neonatal [0.61]	Congenital [0.51]	Dermatitis [1.73]	Headaches [0.91]	Anxiety [1.04]	Asthma [1.36]	Conduct [0.98]	Back Pain [0.93]	Depression [1.1]	Drugs [2.15]
Hampshire	Neonatal [0.7]	Congenital [0.51]	Asthma [2.18]	Dermatitis [1.49]	Headaches [0.89]	Anxiety [0.99]	Conduct [0.98]	Back Pain [0.88]	Depression [1.05]	Falls [0.81]
Isle of Wight	Neonatal [0.41]	Congenital [0.38]	Asthma [2.13]	Dermatitis [1.44]	Headaches [0.93]	Anxiety [1.05]	Conduct [0.99]	Back Pain [0.95]	Depression [1.13]	Drugs [2.15]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Kent	Neonatal [0.65]	Congenital [0.49]	Dermatitis [1.73]	Headaches [0.89]	Anxiety [1.01]	Asthma [1.4]	Conduct [0.97]	Back Pain [0.9]	Depression [1.07]	Falls [0.84]
Medway	Neonatal [0.68]	Congenital [0.53]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.4]	Anxiety [1.01]	Conduct [0.94]	Back Pain [0.88]	Depression [1.05]	Falls [0.85]
Milton Keynes	Neonatal [0.99]	Congenital [0.7]	Dermatitis [1.54]	Asthma [1.49]	Headaches [0.8]	Anxiety [0.92]	Conduct [0.93]	Back Pain [0.79]	Depression [0.94]	Falls [0.8]
Oxfordshire	Neonatal [0.82]	Dermatitis [1.93]	Congenital [0.63]	Headaches [0.89]	Asthma [1.48]	Anxiety [0.96]	Conduct [0.98]	Back Pain [0.87]	Depression [1.05]	Falls [0.77]
Portsmouth	Neonatal [0.71]	Congenital [0.53]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.45]	Anxiety [0.96]	Conduct [0.95]	Back Pain [0.86]	Depression [1.04]	Drugs [2.06]
Reading	Neonatal [1.27]	Congenital [0.88]	Dermatitis [1.99]	Asthma [1.51]	Headaches [0.78]	Anxiety [0.86]	Conduct [0.9]	Back Pain [0.76]	Depression [0.91]	Falls [0.74]
Slough	Neonatal [1.04]	Congenital [0.81]	Dermatitis [1.54]	Asthma [1.55]	Headaches [0.77]	Anxiety [0.9]	Conduct [0.92]	Back Pain [0.76]	Depression [0.9]	Falls [0.79]
Southampton	Neonatal [0.92]	Congenital [0.71]	Dermatitis [1.5]	Headaches [0.85]	Asthma [1.45]	Anxiety [0.93]	Conduct [0.92]	Back Pain [0.84]	Depression [1.01]	Falls [0.8]
Surrey	Neonatal [0.8]	Congenital [0.59]	Dermatitis [1.74]	Headaches [0.88]	Anxiety [0.95]	Asthma [1.48]	Conduct [0.99]	Depression [1.03]	Back Pain [0.79]	Falls [0.76]
West Berkshire	Neonatal [0.7]	Congenital [0.59]	Dermatitis [1.5]	Headaches [0.89]	Asthma [1.5]	Anxiety [0.98]	Conduct [1.0]	Back Pain [0.88]	Depression [1.06]	Falls [0.8]
W Sussex	Neonatal [0.69]	Congenital [0.54]	Dermatitis [1.55]	Asthma [1.63]	Headaches [0.86]	Anxiety [0.97]	Conduct [0.97]	Back Pain [0.86]	Depression [1.03]	Falls [0.8]
Windsor & Maidenhead	Neonatal [0.85]	Congenital [0.7]	Dermatitis [1.5]	Headaches [0.89]	Asthma [1.51]	Anxiety [0.96]	Conduct [1.02]	Back Pain [0.87]	Depression [1.04]	Falls [0.77]
Wokingham	Neonatal [0.76]	Congenital [0.64]	Dermatitis [1.51]	Headaches [0.88]	Asthma [1.5]	Anxiety [0.96]	Conduct [1.01]	Back Pain [0.86]	Depression [1.03]	Falls [0.79]
SW England	Neonatal [0.72]	Congenital [0.55]	Dermatitis [1.49]	Headaches [0.89]	Asthma [1.44]	Anxiety [1.0]	Conduct [0.97]	Back Pain [0.89]	Depression [1.06]	Falls [0.83]
Bath & NE Somerset	Neonatal [0.77]	Congenital [0.53]	Dermatitis [1.46]	Headaches [0.96]	Anxiety [1.01]	Asthma [1.48]	Back Pain [0.96]	Conduct [1.01]	Depression [1.15]	Drugs [2.04]
Bournemouth	Neonatal [0.81]	Congenital [0.63]	Dermatitis [1.51]	Headaches [0.83]	Asthma [1.42]	Anxiety [0.92]	Conduct [0.9]	Back Pain [0.82]	Depression [0.99]	Iron [3.7]
Bristol	Neonatal [1.07]	Congenital [0.76]	Dermatitis [1.52]	Headaches [0.83]	Asthma [1.49]	Anxiety [0.9]	Conduct [0.92]	Back Pain [0.81]	Depression [0.98]	Falls [0.73]
Cornwall	Neonatal [0.73]	Congenital [0.53]	Dermatitis [1.49]	Headaches [0.9]	Anxiety [1.03]	Asthma [1.4]	Conduct [0.96]	Depression [1.09]	Iron [3.3]	Back Pain [0.86]
Devon	Neonatal [0.71]	Congenital [0.55]	Dermatitis [1.48]	Headaches [0.91]	Anxiety [1.02]	Asthma [1.43]	Conduct [0.99]	Back Pain [0.92]	Depression [1.1]	Falls [0.87]
Dorset	Neonatal [0.62]	Congenital [0.47]	Dermatitis [1.47]	Headaches [0.93]	Anxiety [1.06]	Asthma [1.44]	Conduct [1.01]	Back Pain [0.95]	Depression [1.12]	Road Inj [0.33]
Gloucestershire	Neonatal [0.71]	Congenital [0.55]	Dermatitis [1.49]	Headaches [0.9]	Anxiety [0.99]	Asthma [1.45]	Conduct [0.97]	Back Pain [0.9]	Depression [1.07]	Falls [0.83]
N Somerset	Neonatal [0.66]	Congenital [0.57]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.44]	Anxiety [1.0]	Conduct [0.96]	Back Pain [0.87]	Depression [1.05]	Drugs [2.15]
Plymouth	Neonatal [0.7]	Congenital [0.58]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.42]	Anxiety [0.98]	Conduct [0.94]	Back Pain [0.87]	Depression [1.04]	Drugs [2.16]
Poole	Neonatal [0.61]	Congenital [0.47]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.43]	Anxiety [0.99]	Conduct [0.96]	Back Pain [0.86]	Depression [1.03]	Falls [0.83]
Somerset	Neonatal [0.65]	Congenital [0.5]	Dermatitis [1.49]	Headaches [0.91]	Anxiety [1.04]	Asthma [1.4]	Conduct [0.97]	Back Pain [0.93]	Depression [1.1]	Falls [0.87]
S Gloucestershire	Neonatal [0.72]	Congenital [0.57]	Dermatitis [1.5]	Headaches [0.88]	Asthma [1.47]	Anxiety [0.97]	Conduct [0.97]	Back Pain [0.87]	Depression [1.04]	Falls [0.78]
Swindon	Neonatal [0.64]	Congenital [0.53]	Dermatitis [1.51]	Headaches [0.83]	Asthma [1.46]	Anxiety [0.95]	Conduct [0.94]	Back Pain [0.84]	Depression [0.99]	Iron [3.46]
Torbay	Neonatal [0.62]	Congenital [0.49]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.38]	Anxiety [1.04]	Conduct [0.95]	Back Pain [0.9]	Depression [1.06]	Iron [2.06]
Wiltshire	Neonatal [0.67]	Congenital [0.48]	Dermatitis [1.49]	Headaches [0.89]	Anxiety [1.02]	Asthma [1.42]	Conduct [0.97]	Back Pain [0.91]	Depression [1.07]	Iron [3.31]
W Midlands	Neonatal [1.07]	Congenital [0.82]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.47]	Anxiety [1.0]	Conduct [0.96]	Back Pain [0.88]	Depression [1.05]	Falls [0.89]
Birmingham	Neonatal [1.47]	Congenital [1.12]	Dermatitis [1.5]	Headaches [0.86]	Asthma [1.47]	Anxiety [0.98]	Conduct [0.95]	Back Pain [0.89]	Depression [1.03]	Falls [0.91]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Coventry	Neonatal [1.14]	Congenital [0.87]	Dermatitis [1.51]	Headaches [0.85]	Asthma [1.5]	Anxiety [0.95]	Conduct [0.93]	Back Pain [0.86]	Depression [1.01]	Falls [0.81]
Dudley	Neonatal [0.81]	Congenital [0.67]	Dermatitis [1.51]	Headaches [0.87]	Asthma [1.45]	Anxiety [1.03]	Conduct [0.95]	Back Pain [0.91]	Depression [1.05]	Falls [0.92]
Herefordshire	Neonatal [0.75]	Congenital [0.65]	Dermatitis [1.49]	Headaches [0.9]	Asthma [1.46]	Anxiety [1.02]	Conduct [0.97]	Road Inj [0.43]	Back Pain [0.92]	Depression [1.07]
Sandwell	Neonatal [1.07]	Congenital [0.79]	Dermatitis [1.52]	Asthma [1.47]	Headaches [0.81]	Anxiety [0.99]	Conduct [0.92]	Back Pain [0.86]	Depression [0.98]	Falls [0.91]
Shropshire	Neonatal [0.64]	Congenital [0.53]	Dermatitis [1.48]	Headaches [0.94]	Anxiety [1.05]	Asthma [1.44]	Conduct [1.0]	Back Pain [0.97]	Depression [1.13]	Road Inj [0.31]
Solihull	Neonatal [0.83]	Congenital [0.74]	Dermatitis [1.49]	Headaches [0.89]	Asthma [1.5]	Anxiety [0.99]	Conduct [0.99]	Back Pain [0.9]	Depression [1.06]	Road Inj [0.35]
Staffordshire	Neonatal [0.92]	Congenital [0.69]	Dermatitis [1.49]	Headaches [0.9]	Asthma [1.46]	Anxiety [1.03]	Conduct [0.99]	Depression [1.09]	Back Pain [0.83]	Road Inj [0.34]
Stoke-on-Trent	Neonatal [1.23]	Congenital [0.92]	Dermatitis [1.52]	Headaches [0.84]	Asthma [1.45]	Anxiety [1.0]	Conduct [0.93]	Depression [1.01]	Back Pain [0.78]	Falls [1.0]
Telford & Wrekin	Neonatal [0.9]	Congenital [0.71]	Dermatitis [1.51]	Headaches [0.87]	Asthma [1.46]	Anxiety [1.01]	Conduct [0.94]	Back Pain [0.9]	Depression [1.04]	Road Inj [0.33]
Walsall	Neonatal [1.03]	Congenital [0.78]	Dermatitis [1.52]	Headaches [0.86]	Asthma [1.45]	Anxiety [1.03]	Conduct [0.94]	Back Pain [0.91]	Depression [1.04]	Iron [2.1]
Warwickshire	Neonatal [0.96]	Congenital [0.72]	Dermatitis [1.5]	Headaches [0.88]	Asthma [1.5]	Anxiety [0.98]	Conduct [0.98]	Back Pain [0.89]	Depression [1.05]	Falls [0.84]
Wolverhampton	Neonatal [0.93]	Congenital [0.74]	Dermatitis [1.52]	Headaches [0.85]	Asthma [1.43]	Anxiety [0.99]	Conduct [0.93]	Back Pain [0.88]	Depression [1.02]	Falls [0.86]
Worcestershire	Neonatal [0.88]	Congenital [0.68]	Dermatitis [1.49]	Headaches [0.9]	Asthma [1.45]	Anxiety [1.02]	Conduct [0.98]	Back Pain [0.92]	Depression [1.08]	Falls [0.88]
Yorkshire & Humber	Neonatal [0.76]	Congenital [0.63]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.48]	Anxiety [0.99]	Conduct [0.95]	Back Pain [0.89]	Depression [1.04]	Falls [0.84]
Barnsley	Neonatal [0.54]	Congenital [0.47]	Dermatitis [1.52]	Asthma [1.49]	Headaches [0.85]	Anxiety [1.03]	Conduct [0.92]	Back Pain [0.9]	Depression [1.03]	Iron [2.17]
Bradford	Neonatal [0.84]	Congenital [0.69]	Dermatitis [1.51]	Headaches [0.85]	Asthma [1.44]	Anxiety [1.01]	Conduct [0.94]	Back Pain [0.89]	Depression [1.02]	Iron [2.21]
Calderdale	Neonatal [0.72]	Congenital [0.61]	Dermatitis [1.51]	Headaches [0.87]	Asthma [1.48]	Anxiety [1.0]	Conduct [0.95]	Back Pain [0.9]	Depression [1.04]	Road Inj [0.35]
Doncaster	Neonatal [0.73]	Congenital [0.58]	Dermatitis [1.52]	Headaches [0.85]	Asthma [1.45]	Anxiety [1.03]	Conduct [0.93]	Back Pain [0.9]	Depression [1.03]	Road Inj [0.29]
E Riding of Yorkshire	Neonatal [0.52]	Congenital [0.48]	Dermatitis [1.48]	Headaches [0.93]	Asthma [1.49]	Anxiety [1.05]	Conduct [0.99]	Back Pain [0.96]	Depression [1.12]	Road Inj [0.37]
Kingston upon Hull	Neonatal [0.69]	Congenital [0.57]	Dermatitis [1.53]	Asthma [1.5]	Headaches [0.8]	Anxiety [0.95]	Conduct [0.9]	Back Pain [0.82]	Depression [0.96]	Drugs [2.17]
Kirklees	Neonatal [0.76]	Congenital [0.65]	Dermatitis [1.51]	Headaches [0.87]	Asthma [1.45]	Anxiety [1.01]	Conduct [0.94]	Back Pain [0.9]	Depression [1.04]	Iron [2.46]
Leeds	Neonatal [0.97]	Congenital [0.77]	Dermatitis [1.52]	Headaches [0.84]	Asthma [1.51]	Anxiety [0.92]	Conduct [0.93]	Back Pain [0.84]	Depression [0.99]	Falls [0.78]
NE Lincolnshire	Neonatal [0.61]	Congenital [0.53]	Dermatitis [1.52]	Asthma [1.49]	Headaches [0.84]	Anxiety [1.0]	Conduct [0.93]	Back Pain [0.86]	Depression [1.01]	Road Inj [0.31]
N Lincolnshire	Neonatal [0.59]	Congenital [0.5]	Dermatitis [1.51]	Headaches [0.86]	Asthma [1.5]	Anxiety [1.01]	Conduct [0.95]	Back Pain [0.89]	Road Inj [0.4]	Depression [1.03]
N Yorkshire	Neonatal [0.61]	Congenital [0.5]	Dermatitis [1.48]	Headaches [0.9]	Asthma [1.46]	Anxiety [1.02]	Conduct [1.0]	Back Pain [0.93]	Depression [1.08]	Falls [0.84]
Rotherham	Neonatal [0.62]	Congenital [0.55]	Dermatitis [1.51]	Headaches [0.87]	Asthma [1.47]	Anxiety [1.03]	Conduct [0.94]	Back Pain [0.91]	Depression [1.05]	Iron [2.09]
Sheffield	Neonatal [0.9]	Congenital [0.75]	Dermatitis [1.49]	Headaches [0.9]	Asthma [1.49]	Anxiety [0.98]	Conduct [0.96]	Back Pain [0.91]	Depression [1.08]	Drugs [2.03]
Wakefield	Neonatal [0.62]	Congenital [0.51]	Dermatitis [1.51]	Asthma [1.5]	Headaches [0.85]	Anxiety [1.01]	Conduct [0.93]	Back Pain [0.89]	Depression [1.02]	Road Inj [0.33]
York	Neonatal [0.79]	Congenital [0.67]	Dermatitis [1.48]	Headaches [0.93]	Asthma [1.55]	Anxiety [0.98]	Back Pain [0.92]	Conduct [0.98]	Depression [1.11]	Road Inj [0.38]
N Ireland	Neonatal [0.88]	Congenital [0.77]	Anxiety [1.61]	Dermatitis [1.25]	Headaches [0.95]	Asthma [1.32]	Depression [1.17]	Back Pain [0.93]	Conduct [0.81]	Road Inj [0.38]
Scotland	Neonatal [0.55]	Congenital [0.53]	Dermatitis [1.35]	Headaches [0.96]	Anxiety [1.12]	Asthma [1.47]	Depression [1.15]	Conduct [0.91]	Back Pain [0.91]	Iron [2.7]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Wales	Neonatal [0.56]	Congenital [0.48]	Dermatitis [1.25]	Headaches [0.97]	Anxiety [1.11]	Asthma [1.3]	Depression [1.2]	Conduct [0.89]	Back Pain [0.77]	Falls [1.01]
Latin America and Caribbean	Neonatal [0.69]	Congenital [0.66]	LRI [0.6]	Violence [3.69]	Diarrhea [1.34]	Road Inj [0.69]	Headaches [1.19]	Asthma [1.19]	Back Pain [1.29]	F Body [0.86]
Andean Latin America	Neonatal [0.69]	Congenital [0.64]	LRI [0.82]	F Body [1.82]	Road Inj [0.69]	Diarrhea [0.94]	HIV [8.39]	Dermatitis [1.45]	Headaches [1.08]	Asthma [1.44]
Bolivia	Neonatal [0.83]	LRI [0.8]	Congenital [0.78]	Diarrhea [0.72]	Iron [1.71]	F Body [1.7]	Road Inj [0.71]	STI [4.0]	HIV [6.57]	Asthma [1.62]
Ecuador	Neonatal [0.61]	Congenital [0.6]	LRI [0.69]	Road Inj [1.0]	Headaches [1.38]	Diarrhea [0.79]	Dermatitis [1.27]	Asthma [1.3]	Self Harm [1.68]	Violence [1.31]
Peru	Neonatal [0.6]	Congenital [0.57]	LRI [0.78]	F Body [2.24]	HIV [12.19]	Diarrhea [0.96]	Iron [1.53]	Road Inj [0.51]	Dermatitis [1.53]	Asthma [1.41]
Caribbean	Neonatal [1.19]	Congenital [0.93]	LRI [1.34]	Diarrhea [4.59]	Road Inj [1.15]	Iron [1.94]	Asthma [2.0]	Meningitis [1.22]	Violence [2.2]	STI [6.91]
Antigua	Neonatal [0.68]	Congenital [0.47]	Iron [4.88]	LRI [0.96]	Headaches [1.2]	Asthma [1.81]	Drown [1.35]	Dermatitis [1.01]	Road Inj [0.42]	Anxiety [1.0]
Bahamas	Neonatal [0.88]	Congenital [0.53]	LRI [1.51]	Violence [4.5]	Headaches [1.21]	Asthma [1.93]	Road Inj [0.69]	Drown [1.68]	Endocrine [2.56]	Dermatitis [1.0]
Barbados	Neonatal [0.94]	Congenital [0.59]	Headaches [1.21]	LRI [0.93]	Asthma [1.71]	Violence [2.35]	Road Inj [0.48]	Dermatitis [0.98]	Anxiety [0.99]	Conduct [0.9]
Belize	Neonatal [0.64]	Congenital [0.44]	LRI [0.4]	Violence [2.48]	Road Inj [0.6]	Iron [1.49]	Asthma [1.72]	Headaches [1.26]	Diarrhea [0.52]	Drown [0.67]
Bermuda	Neonatal [0.62]	Asthma [2.25]	Congenital [0.38]	Headaches [1.15]	Dermatitis [1.0]	Anxiety [0.88]	Road Inj [0.41]	Conduct [0.88]	Depression [0.86]	Back Pain [0.71]
Cuba	Neonatal [0.28]	Congenital [0.32]	Headaches [1.18]	Asthma [1.81]	Dermatitis [1.05]	Iron [1.36]	Anxiety [1.01]	Road Inj [0.33]	LRI [0.25]	Conduct [0.86]
Dominica	Neonatal [1.59]	Congenital [1.02]	LRI [1.28]	Road Inj [0.91]	Drown [1.38]	Asthma [1.95]	Headaches [1.26]	Iron [2.18]	Violence [2.25]	Endocrine [2.64]
Dominican Rep	Neonatal [1.2]	Congenital [0.6]	LRI [0.4]	Road Inj [0.88]	Diarrhea [0.77]	STI [5.38]	Violence [2.05]	Headaches [1.22]	Iron [1.02]	Asthma [1.29]
Grenada	Neonatal [0.6]	Congenital [0.34]	LRI [0.43]	Headaches [1.21]	Asthma [1.61]	Drown [0.73]	Iron [1.12]	Dermatitis [1.09]	Road Inj [0.33]	Anxiety [1.08]
Guyana	Neonatal [0.95]	Congenital [0.42]	LRI [0.33]	Diarrhea [0.7]	Asthma [1.59]	Iron [1.18]	Road Inj [0.49]	Headaches [1.23]	Drown [0.65]	Violence [1.46]
Haiti	Neonatal [0.63]	Diarrhea [1.07]	LRI [0.63]	Congenital [1.02]	Road Inj [1.45]	Meningitis [0.59]	Whooping [1.3]	Iron [1.39]	Drown [0.77]	STI [1.34]
Jamaica	Neonatal [1.18]	Congenital [0.53]	Violence [3.11]	Headaches [1.25]	Asthma [1.83]	STI [8.93]	Iron [1.64]	LRI [0.29]	Dermatitis [1.04]	Road Inj [0.38]
Puerto Rico	Disaster [5993.81]	Neonatal [0.9]	Congenital [0.54]	Asthma [2.67]	Violence [5.36]	Headaches [1.25]	Dermatitis [0.96]	Road Inj [0.51]	Anxiety [0.94]	Conduct [0.94]
St Lucia	Neonatal [0.74]	Congenital [0.34]	STI [9.53]	Headaches [1.25]	Asthma [1.76]	Violence [1.96]	LRI [0.29]	Road Inj [0.44]	Dermatitis [1.07]	Anxiety [1.09]
St Vincent	Neonatal [0.67]	Congenital [0.41]	LRI [0.31]	Violence [2.01]	Asthma [1.66]	Headaches [1.24]	Drown [0.69]	Iron [1.13]	Diarrhea [0.48]	Road Inj [0.37]
Suriname	Neonatal [1.36]	Congenital [0.71]	LRI [0.61]	Diarrhea [1.58]	Road Inj [0.7]	Asthma [1.85]	Headaches [1.16]	Drown [0.74]	Self Harm [1.84]	Iron [1.14]
Trinidad Tobago	Neonatal [1.19]	Congenital [0.86]	LRI [0.69]	Violence [3.03]	Asthma [2.1]	Headaches [1.11]	Road Inj [0.58]	Dermatitis [1.07]	Anxiety [0.95]	Diarrhea [0.97]
Virgin Isl US	Neonatal [1.17]	Congenital [0.67]	Violence [5.56]	Asthma [2.04]	Headaches [1.12]	Dermatitis [1.0]	Anxiety [0.86]	Road Inj [0.44]	Disaster [435.0]	Conduct [0.87]
Central Latin America	Neonatal [0.59]	Congenital [0.58]	LRI [0.47]	Violence [3.76]	Diarrhea [1.04]	Road Inj [0.57]	Headaches [1.0]	Epilepsy [1.26]	Conduct [0.95]	F Body [0.73]
Colombia	Neonatal [0.6]	Congenital [0.52]	Violence [3.36]	LRI [0.36]	Headaches [1.08]	Road Inj [0.48]	Diarrhea [0.74]	Epilepsy [1.23]	Dermatitis [0.93]	Conduct [0.95]
Costa Rica	Neonatal [0.48]	Congenital [0.5]	Headaches [1.03]	Road Inj [0.43]	Asthma [1.24]	Diarrhea [0.79]	Conduct [0.94]	Dermatitis [0.87]	Violence [1.06]	Epilepsy [1.05]
El Salvador	Neonatal [0.4]	Violence [5.89]	Congenital [0.48]	LRI [0.26]	Diarrhea [0.58]	HIV [6.91]	Road Inj [0.46]	Headaches [1.1]	Asthma [1.05]	Iron [0.71]
Guatemala	Neonatal [0.54]	LRI [0.78]	Diarrhea [0.95]	Congenital [0.51]	Violence [2.74]	PEM [1.11]	Road Inj [0.4]	F Body [0.92]	Headaches [1.09]	Iron [0.6]
Honduras	Neonatal [0.37]	Diarrhea [0.4]	Violence [3.11]	Congenital [0.2]	LRI [0.07]	Endocrine [2.1]	Headaches [1.1]	Road Inj [0.35]	Asthma [1.1]	Iron [0.66]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Mexico	Neonatal [0.53]	Congenital [0.64]	Violence [3.59]	LRI [0.36]	Road Inj [0.6]	Diarrhea [0.71]	Headaches [0.97]	Epilepsy [1.38]	F Body [0.83]	Conduct [0.97]
Aguascalientes	Neonatal [0.62]	Congenital [0.72]	Violence [2.8]	Road Inj [0.73]	LRI [0.33]	Headaches [0.97]	Diarrhea [0.86]	F Body [1.13]	Epilepsy [1.46]	Conduct [0.98]
Baja CA	Neonatal [0.46]	Congenital [0.51]	Violence [3.73]	LRI [0.3]	F Body [1.36]	Headaches [0.99]	Road Inj [0.47]	Conduct [1.0]	Epilepsy [1.27]	Diarrhea [0.47]
Baja CA Sur	Neonatal [0.54]	Congenital [0.56]	Violence [3.24]	Road Inj [0.67]	LRI [0.31]	Headaches [0.97]	Epilepsy [1.32]	Conduct [0.99]	Diarrhea [0.67]	Asthma [0.84]
Campeche	Neonatal [0.6]	Congenital [0.57]	Violence [2.7]	LRI [0.26]	Road Inj [0.49]	Diarrhea [0.54]	Headaches [0.96]	Epilepsy [1.17]	Conduct [0.96]	Self Harm [1.25]
Chiapas	Neonatal [0.25]	Congenital [0.42]	LRI [0.28]	Diarrhea [0.54]	Violence [2.18]	Road Inj [0.39]	Epilepsy [1.34]	Headaches [1.0]	Leukemia [1.08]	PEM [0.78]
Chihuahua	Neonatal [0.72]	Congenital [0.75]	Violence [5.39]	LRI [0.47]	Road Inj [0.79]	F Body [1.8]	Headaches [1.0]	Diarrhea [0.76]	Epilepsy [1.44]	Conduct [1.0]
Coahuila	Neonatal [0.74]	Congenital [0.72]	Violence [3.27]	LRI [0.36]	Road Inj [0.54]	Headaches [0.97]	F Body [1.16]	Diarrhea [0.74]	Epilepsy [1.35]	Conduct [0.97]
Colima	Neonatal [0.58]	Congenital [0.64]	Violence [3.92]	Road Inj [0.66]	LRI [0.32]	Headaches [0.97]	Diarrhea [0.73]	Epilepsy [1.39]	Conduct [0.98]	Asthma [0.82]
Mexico City	Neonatal [0.98]	Congenital [1.11]	Violence [5.82]	LRI [1.29]	Headaches [0.95]	Road Inj [0.52]	Epilepsy [1.75]	Diarrhea [1.22]	Conduct [0.94]	Dermatitis [0.82]
Durango	Neonatal [0.67]	Congenital [0.66]	Violence [3.7]	Road Inj [0.72]	LRI [0.28]	Headaches [0.97]	F Body [0.99]	Diarrhea [0.53]	Epilepsy [1.26]	Conduct [0.97]
Guanajuato	Neonatal [0.49]	Congenital [0.59]	Violence [2.99]	Road Inj [0.71]	LRI [0.23]	Headaches [0.98]	Epilepsy [1.32]	Diarrhea [0.47]	Conduct [0.98]	Asthma [0.83]
Guerrero	Neonatal [0.36]	Congenital [0.63]	Violence [5.94]	LRI [0.24]	Diarrhea [0.48]	Road Inj [0.67]	Headaches [1.01]	F Body [0.81]	PEM [1.16]	Epilepsy [1.17]
Hidalgo	Neonatal [0.37]	Congenital [0.41]	Violence [2.56]	Road Inj [0.59]	LRI [0.15]	Headaches [1.0]	Epilepsy [1.32]	F Body [0.76]	Conduct [0.99]	Diarrhea [0.25]
Jalisco	Neonatal [0.54]	Congenital [0.68]	Violence [3.63]	Road Inj [0.77]	LRI [0.34]	Headaches [0.96]	Epilepsy [1.54]	Conduct [0.97]	Diarrhea [0.58]	Leukemia [0.95]
Mexico	Neonatal [0.56]	Congenital [0.58]	Violence [3.79]	LRI [0.39]	Road Inj [0.48]	Headaches [0.93]	Diarrhea [0.65]	F Body [0.92]	Epilepsy [1.31]	Conduct [0.98]
Michoacan	Neonatal [0.36]	Congenital [0.62]	Violence [3.56]	LRI [0.27]	Road Inj [0.79]	Diarrhea [0.42]	F Body [1.03]	Headaches [0.98]	Epilepsy [1.22]	Conduct [0.97]
Morelos	Neonatal [0.48]	Congenital [0.59]	Violence [4.37]	Road Inj [0.5]	LRI [0.22]	Headaches [0.97]	Epilepsy [1.38]	Diarrhea [0.57]	Conduct [0.97]	Disaster [121.51]
Nayarit	Neonatal [0.4]	Congenital [0.53]	Violence [3.34]	Road Inj [0.78]	LRI [0.23]	Headaches [0.96]	Diarrhea [0.51]	Epilepsy [1.27]	Conduct [0.97]	Asthma [0.81]
Nuevo Leon	Neonatal [0.62]	Congenital [0.79]	Violence [3.8]	LRI [0.4]	Headaches [0.95]	Road Inj [0.45]	F Body [1.23]	Epilepsy [1.36]	Conduct [0.96]	Diarrhea [0.67]
Oaxaca	Neonatal [0.28]	Congenital [0.57]	Violence [3.29]	LRI [0.24]	Diarrhea [0.54]	Road Inj [0.54]	PEM [1.75]	Epilepsy [1.48]	Headaches [1.02]	Leukemia [0.99]
Puebla	Neonatal [0.57]	Congenital [0.77]	LRI [0.4]	Violence [2.73]	Road Inj [0.66]	Diarrhea [0.52]	Headaches [0.99]	F Body [0.84]	PEM [1.64]	Leukemia [1.02]
Queretaro	Neonatal [0.54]	Congenital [0.68]	Violence [2.76]	LRI [0.31]	Road Inj [0.63]	Headaches [0.96]	F Body [0.98]	Diarrhea [0.63]	Epilepsy [1.37]	Conduct [0.97]
Quintana Roo	Neonatal [0.53]	Congenital [0.55]	Violence [3.07]	LRI [0.26]	Road Inj [0.52]	Diarrhea [0.68]	Headaches [0.96]	F Body [0.89]	Epilepsy [1.25]	Conduct [0.97]
San Luis Potosi	Neonatal [0.44]	Congenital [0.75]	Violence [3.22]	LRI [0.36]	Road Inj [0.71]	Diarrhea [0.62]	Headaches [0.99]	Epilepsy [1.55]	F Body [0.84]	Conduct [0.99]
Sinaloa	Neonatal [0.5]	Congenital [0.59]	Violence [4.59]	Road Inj [0.76]	LRI [0.3]	Headaches [0.97]	Epilepsy [1.3]	Conduct [0.98]	Diarrhea [0.61]	Asthma [0.82]
Sonora	Neonatal [0.51]	Congenital [0.56]	Violence [3.52]	Road Inj [0.69]	LRI [0.35]	Headaches [0.98]	Diarrhea [0.72]	Epilepsy [1.4]	Conduct [0.99]	F Body [0.77]
Tabasco	Neonatal [0.7]	Congenital [0.76]	Violence [2.98]	Road Inj [0.87]	LRI [0.31]	Diarrhea [0.64]	Drown [0.65]	Headaches [0.98]	Epilepsy [1.34]	Leukemia [1.08]
Tamaulipas	Neonatal [0.64]	Congenital [0.63]	Violence [3.88]	Road Inj [0.53]	LRI [0.27]	Headaches [0.97]	Diarrhea [0.62]	Conduct [0.98]	Epilepsy [1.24]	F Body [0.81]
Tlaxcala	Neonatal [0.5]	Congenital [0.59]	LRI [0.34]	Violence [2.54]	Road Inj [0.61]	Headaches [1.0]	Diarrhea [0.45]	Epilepsy [1.38]	F Body [0.85]	Conduct [0.99]
Veracruz	Neonatal [0.43]	Congenital [0.49]	Violence [3.0]	LRI [0.16]	Headaches [1.01]	Road Inj [0.39]	Diarrhea [0.35]	Epilepsy [1.31]	Conduct [1.0]	Asthma [0.76]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Yucatan	Neonatal [0.48]	Congenital [0.63]	LRI [0.4]	Violence [2.54]	Headaches [0.99]	Diarrhea [0.67]	Road Inj [0.43]	Epilepsy [1.33]	Conduct [0.99]	Leukemia [0.87]
Zacatecas	Neonatal [0.41]	Congenital [0.5]	Violence [3.18]	Road Inj [0.94]	LRI [0.27]	Headaches [0.97]	Epilepsy [1.39]	Diarrhea [0.4]	F Body [0.79]	Conduct [0.97]
Nicaragua	Neonatal [0.39]	Congenital [0.44]	LRI [0.23]	Diarrhea [0.31]	Headaches [1.08]	Dermatitis [1.06]	HIV [2.44]	Road Inj [0.25]	Conduct [0.95]	Asthma [0.76]
Panama	Neonatal [0.7]	Congenital [0.82]	LRI [0.95]	Diarrhea [2.63]	Violence [2.84]	Headaches [0.98]	Road Inj [0.47]	Dermatitis [1.16]	Asthma [1.3]	PEM [9.39]
Venezuela	Neonatal [0.85]	Violence [7.18]	Congenital [0.63]	Diarrhea [1.96]	LRI [0.53]	Road Inj [0.92]	STI [6.61]	Headaches [0.97]	F Body [1.04]	Dermatitis [0.99]
Tropical Latin America	Neonatal [0.73]	Congenital [0.72]	Violence [5.08]	LRI [0.51]	Road Inj [0.77]	Headaches [1.49]	Back Pain [2.15]	Diarrhea [1.03]	Asthma [1.37]	Anxiety [1.22]
Brazil	Neonatal [0.77]	Congenital [0.75]	Violence [5.36]	LRI [0.55]	Road Inj [0.78]	Headaches [1.49]	Back Pain [2.17]	Diarrhea [1.08]	Asthma [1.37]	Anxiety [1.21]
Acre	Neonatal [0.65]	Congenital [0.67]	Violence [4.43]	LRI [0.42]	Diarrhea [0.74]	Road Inj [0.66]	Headaches [1.59]	Iron [1.44]	Back Pain [2.41]	Drown [0.61]
Alagoas	Neonatal [0.45]	Violence [7.96]	Congenital [0.52]	LRI [0.29]	Diarrhea [0.62]	Road Inj [0.69]	Headaches [1.56]	Back Pain [2.33]	Iron [0.82]	Asthma [1.03]
Amapa	Neonatal [1.04]	Violence [8.2]	Congenital [0.66]	LRI [0.65]	Headaches [1.56]	Drown [1.24]	Road Inj [0.65]	Back Pain [2.19]	Iron [1.58]	Asthma [1.31]
Amazonas	Neonatal [0.64]	Congenital [0.66]	Violence [4.84]	LRI [0.49]	Diarrhea [1.09]	Headaches [1.51]	Back Pain [2.22]	Iron [1.37]	Road Inj [0.49]	Drown [0.77]
Bahia	Neonatal [0.66]	Congenital [0.8]	LRI [0.38]	Violence [3.63]	Diarrhea [0.8]	Headaches [1.49]	Back Pain [2.23]	Road Inj [0.49]	Iron [1.09]	Asthma [1.11]
Ceara	Neonatal [0.56]	Congenital [0.71]	Violence [5.79]	LRI [0.31]	Road Inj [0.75]	Headaches [1.47]	Diarrhea [0.63]	Back Pain [2.18]	Iron [1.01]	Asthma [1.17]
Distrito Federal	Neonatal [1.43]	Congenital [1.11]	Violence [11.11]	Headaches [1.46]	Road Inj [0.88]	Back Pain [1.96]	LRI [1.45]	Asthma [1.61]	Anxiety [1.06]	Depression [1.24]
Espirito Santo	Neonatal [0.75]	Congenital [0.81]	Violence [8.93]	Road Inj [0.83]	Headaches [1.49]	LRI [0.43]	Back Pain [2.1]	Iron [1.85]	Asthma [1.61]	Anxiety [1.21]
Goias	Neonatal [0.68]	Violence [7.69]	Congenital [0.64]	Road Inj [0.98]	Headaches [1.56]	Back Pain [2.3]	LRI [0.31]	Asthma [1.37]	Anxiety [1.28]	Depression [1.44]
Maranhao	Neonatal [0.36]	Congenital [0.54]	LRI [0.2]	Diarrhea [0.26]	Headaches [1.54]	Iron [0.91]	Road Inj [0.48]	Violence [1.38]	Back Pain [2.31]	Vit A [1.13]
Mato Grosso	Neonatal [0.75]	Congenital [0.66]	Violence [5.09]	Road Inj [1.14]	LRI [0.5]	Headaches [1.5]	Back Pain [2.19]	Asthma [1.47]	Diarrhea [0.99]	STI [5.72]
Mato Grosso do Sul	Neonatal [0.67]	Congenital [0.72]	Violence [3.72]	Road Inj [0.89]	LRI [0.43]	Headaches [1.52]	Back Pain [2.24]	Diarrhea [1.08]	Asthma [1.34]	Anxiety [1.25]
Minas Gerais	Neonatal [0.69]	Congenital [0.64]	Violence [4.82]	Road Inj [0.8]	Headaches [1.53]	Back Pain [2.27]	LRI [0.33]	Asthma [1.42]	Anxiety [1.26]	Depression [1.35]
Para	Neonatal [0.48]	Congenital [0.49]	LRI [0.36]	Violence [3.71]	Headaches [1.55]	Diarrhea [0.52]	Road Inj [0.55]	Back Pain [2.3]	Iron [0.94]	Asthma [1.18]
Paraiba	Neonatal [0.37]	Congenital [0.53]	Violence [4.99]	LRI [0.27]	Road Inj [0.72]	Headaches [1.47]	Back Pain [2.21]	Diarrhea [0.39]	Iron [0.84]	Vit A [1.31]
Parana	Neonatal [0.76]	Congenital [0.86]	Violence [5.62]	Road Inj [1.1]	Headaches [1.54]	Back Pain [2.24]	LRI [0.39]	Asthma [1.52]	Anxiety [1.23]	Depression [1.38]
Pernambuco	Neonatal [0.57]	Congenital [0.76]	Violence [6.74]	LRI [0.31]	Diarrhea [0.73]	Road Inj [0.68]	Headaches [1.49]	Back Pain [2.21]	Iron [1.16]	Asthma [1.22]
Piaui	Neonatal [0.56]	Congenital [0.6]	Road Inj [0.86]	LRI [0.18]	Violence [2.26]	Diarrhea [0.35]	Headaches [1.52]	Back Pain [2.32]	Asthma [1.08]	Anxiety [1.32]
Rio de Janeiro	Neonatal [0.96]	Violence [10.62]	Congenital [0.77]	LRI [0.91]	Road Inj [0.93]	Headaches [1.51]	Back Pain [1.89]	F Body [1.79]	Asthma [1.41]	Anxiety [1.18]
Rio Grande do Norte	Neonatal [0.43]	Violence [7.86]	Congenital [0.65]	LRI [0.39]	Road Inj [0.69]	Headaches [1.46]	Diarrhea [0.7]	Back Pain [2.17]	Iron [1.06]	Asthma [1.18]
Rio Grande do Sul	Neonatal [0.73]	Congenital [0.78]	Violence [5.89]	Back Pain [2.95]	Headaches [1.56]	Road Inj [0.8]	LRI [0.46]	STI [10.46]	Asthma [1.56]	Anxiety [1.22]
Rondonia	Neonatal [0.57]	Congenital [0.64]	Violence [4.4]	Road Inj [1.02]	LRI [0.31]	Headaches [1.58]	Back Pain [2.37]	Diarrhea [0.57]	Drown [0.63]	Asthma [1.23]
Roraima	Neonatal [0.73]	Congenital [0.8]	LRI [0.82]	Violence [3.99]	Road Inj [1.11]	Diarrhea [1.37]	Headaches [1.44]	Back Pain [2.11]	Drown [0.91]	Iron [1.44]
Santa Catarina	Neonatal [0.82]	Congenital [0.8]	Road Inj [1.23]	Headaches [1.82]	Violence [2.82]	Back Pain [2.14]	LRI [0.53]	Asthma [1.67]	Anxiety [1.19]	Depression [1.51]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Sao Paulo	Neonatal [0.95]	Congenital [0.78]	Violence [3.45]	Headaches [1.44]	Back Pain [2.12]	LRI [0.75]	Road Inj [0.69]	Asthma [1.51]	Anxiety [1.15]	Depression [1.43]
Sergipe	Neonatal [0.72]	Violence [7.91]	Congenital [0.64]	LRI [0.42]	Road Inj [0.97]	Headaches [1.51]	Diarrhea [0.8]	Back Pain [2.21]	Iron [1.24]	Asthma [1.31]
Tocantins	Neonatal [0.6]	Congenital [0.61]	Violence [3.75]	Road Inj [1.09]	LRI [0.27]	Headaches [1.51]	Back Pain [2.27]	Diarrhea [0.57]	Leish [202.73]	Iron [1.12]
Paraguay	Neonatal [0.33]	Congenital [0.47]	STI [9.91]	Road Inj [0.69]	HIV [9.32]	LRI [0.25]	Headaches [1.43]	Diarrhea [0.8]	Asthma [1.49]	Back Pain [1.41]
North Africa and Middle East	Neonatal [1.06]	Congenital [1.16]	LRI [1.01]	Diarrhea [2.79]	Conflict Terror [1273.33]	Road Inj [1.13]	Iron [1.71]	Headaches [0.96]	Meningitis [0.79]	Anxiety [1.07]
Afghanistan	Neonatal [0.53]	LRI [0.43]	Congenital [1.02]	Diarrhea [0.19]	Meningitis [0.57]	Measles [0.23]	Whooping [0.65]	Road Inj [0.61]	Falls [2.32]	Drown [0.41]
Algeria	Neonatal [1.24]	Congenital [1.64]	Road Inj [1.07]	LRI [0.66]	Headaches [0.84]	Diarrhea [1.13]	Asthma [1.06]	Anxiety [0.95]	Conduct [0.86]	Back Pain [0.96]
Bahrain	Neonatal [0.52]	Congenital [0.61]	Road Inj [0.57]	Headaches [0.89]	Anxiety [0.98]	Dermatitis [0.89]	Conduct [0.91]	Back Pain [1.01]	Asthma [0.97]	Diarrhea [1.02]
Egypt	LRI [0.98]	Neonatal [0.4]	Congenital [0.74]	Diarrhea [2.12]	Road Inj [1.24]	Iron [1.33]	Headaches [0.99]	Asthma [1.23]	Back Pain [1.27]	Conduct [0.91]
Iran	Neonatal [1.1]	Congenital [1.14]	Road Inj [1.61]	Headaches [1.25]	LRI [0.57]	Anxiety [1.33]	Diarrhea [1.14]	Depression [1.28]	Conduct [0.98]	Back Pain [0.98]
Iraq	Neonatal [0.85]	Conflict Terror [3204.14]	Congenital [0.88]	LRI [0.32]	Road Inj [0.55]	Iron [1.18]	Diarrhea [0.43]	Headaches [0.94]	Violence [1.13]	Mech [2.03]
Jordan	Neonatal [1.22]	Congenital [1.24]	LRI [0.82]	Road Inj [0.79]	Headaches [0.94]	Iron [1.48]	Asthma [1.16]	Anxiety [1.05]	Conduct [0.95]	Back Pain [1.08]
Kuwait	Neonatal [0.87]	Congenital [1.16]	Road Inj [0.85]	Headaches [0.72]	Asthma [1.18]	LRI [0.94]	Anxiety [0.88]	Conduct [0.92]	Back Pain [0.92]	Diarrhea [1.87]
Lebanon	Neonatal [0.64]	Congenital [0.56]	Headaches [0.91]	Anxiety [1.18]	Asthma [1.27]	Diarrhea [1.62]	Dermatitis [0.88]	Conflict Terror [509.24]	Conduct [0.89]	Road Inj [0.33]
Libya	Neonatal [0.78]	Conflict Terror [3442.49]	Congenital [0.84]	Road Inj [1.21]	Diarrhea [2.48]	Headaches [0.91]	Oth Cardio [9.11]	LRI [0.72]	Anxiety [0.95]	Oth Trans [6.25]
Morocco	Neonatal [0.63]	Congenital [0.94]	Road Inj [0.89]	LRI [0.25]	Diarrhea [0.66]	Headaches [1.04]	Iron [0.91]	Depression [1.79]	Back Pain [1.47]	Anxiety [1.25]
Palestine	Neonatal [0.5]	Congenital [0.53]	Road Inj [0.42]	Headaches [0.99]	LRI [0.07]	Depression [1.63]	Conflict Terror [141.66]	Anxiety [1.2]	Diarrhea [0.15]	Iron [0.54]
Oman	Neonatal [1.21]	Congenital [1.01]	Road Inj [1.94]	LRI [0.66]	Headaches [0.78]	Iron [2.12]	Diarrhea [1.67]	Stroke [3.82]	Oth Cardio [7.46]	Anxiety [0.85]
Qatar	Neonatal [0.74]	Congenital [0.98]	Road Inj [1.12]	Headaches [0.77]	Dermatitis [0.88]	Anxiety [0.83]	Conduct [0.86]	Back Pain [0.89]	Asthma [0.87]	Depression [0.87]
Saudi Arabia	Neonatal [1.05]	Congenital [0.79]	Road Inj [1.04]	Headaches [1.01]	Conflict Terror [1133.81]	Anxiety [0.98]	Back Pain [1.09]	Conduct [0.99]	Dermatitis [0.85]	Diarrhea [1.87]
Sudan	Neonatal [0.97]	Congenital [1.61]	Diarrhea [0.98]	LRI [0.38]	Road Inj [1.46]	Iron [1.22]	Malaria [32.96]	STI [1.25]	Whooping [0.84]	Meningitis [0.22]
Syria	Conflict Terror [11497.8]	Neonatal [0.24]	Congenital [0.34]	Iron [1.25]	Headaches [1.11]	Road Inj [0.42]	LRI [0.15]	Whooping [5.68]	Anxiety [1.31]	Back Pain [1.36]
Tunisia	Neonatal [0.64]	Congenital [0.59]	Road Inj [0.81]	Headaches [0.93]	Anxiety [1.06]	Mech [2.32]	Conduct [0.94]	Dermatitis [0.87]	LRI [0.21]	Diarrhea [0.74]
Turkey	Neonatal [1.02]	Congenital [1.03]	Road Inj [0.68]	Headaches [0.8]	Back Pain [1.24]	LRI [0.5]	Conduct [0.96]	Epilepsy [1.44]	Depression [1.12]	Anxiety [0.82]
UAE	Congenital [1.79]	Neonatal [1.09]	Road Inj [1.86]	Asthma [1.41]	Headaches [0.81]	Dermatitis [0.87]	Diarrhea [2.25]	Anxiety [0.82]	Conduct [0.86]	Back Pain [0.84]
Yemen	Neonatal [0.74]	Diarrhea [0.8]	Congenital [0.78]	Conflict Terror [684.8]	Iron [3.34]	LRI [0.24]	Road Inj [1.22]	Vit A [1.51]	Whooping [0.73]	PEM [0.31]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
South Asia	Neonatal [1.03]	LRI [0.7]	Diarrhea [1.13]	Congenital [0.48]	Iron [1.92]	Typh + Paratyph [37.58]	Drown [0.63]	Malaria [126.58]	Vit A [1.53]	Meningitis [0.42]
Bangladesh	Neonatal [0.67]	LRI [0.39]	Congenital [0.34]	Drown [1.3]	Typh + Paratyph [14.69]	Diarrhea [0.18]	Iron [0.94]	STI [0.88]	PEM [0.41]	Headaches [1.2]
Bhutan	Neonatal [0.77]	LRI [0.46]	Congenital [0.46]	Iron [3.03]	Diarrhea [0.43]	Headaches [1.02]	Vit A [1.35]	Mech [2.0]	Encepha [1.55]	Malaria [156.8]
India	Neonatal [0.96]	LRI [0.78]	Diarrhea [1.37]	Congenital [0.49]	Iron [2.16]	Typh + Paratyph [51.21]	Malaria [209.67]	Vit A [1.88]	PEM [1.54]	Headaches [1.02]
Andhra Pradesh	Neonatal [0.68]	LRI [0.29]	Congenital [0.35]	Diarrhea [0.61]	Iron [1.76]	Typh + Paratyph [27.73]	Vit A [1.55]	Headaches [1.08]	Self Harm [1.57]	PEM [0.69]
Arunachal Pradesh	Neonatal [0.62]	LRI [0.45]	Diarrhea [0.8]	Iron [1.95]	Congenital [0.25]	Malaria [329.54]	Vit A [1.62]	Typh + Paratyph [32.66]	Headaches [1.02]	Hep [5.54]
Assam	Neonatal [1.13]	LRI [0.84]	Diarrhea [1.45]	Congenital [0.71]	Malaria [282.75]	Iron [1.88]	Drown [1.06]	Hep [9.68]	Typh + Paratyph [29.16]	PEM [1.24]
Bihar	Neonatal [0.64]	LRI [0.5]	Diarrhea [0.82]	Congenital [0.31]	Iron [1.46]	Vit A [1.28]	Typh + Paratyph [5.09]	Malaria [7.49]	Drown [0.46]	Encepha [1.81]
Chhattisgarh	Neonatal [0.98]	LRI [0.63]	Diarrhea [0.67]	Congenital [0.33]	Typh + Paratyph [29.9]	Iron [1.75]	Malaria [124.33]	PEM [1.21]	Drown [0.62]	Vit A [1.4]
Delhi	Neonatal [2.12]	LRI [2.48]	Iron [7.92]	Congenital [0.65]	Diarrhea [4.73]	Typh + Paratyph [1774.67]	Vit A [3.91]	Headaches [0.93]	PEM [18.21]	STI [9.75]
Goa	Neonatal [1.53]	LRI [2.75]	Congenital [0.7]	Diarrhea [2.86]	Headaches [0.99]	Vit A [3.24]	Drown [1.2]	Iron [1.96]	STI [12.13]	Encepha [6.07]
Gujarat	Neonatal [1.09]	LRI [0.71]	Congenital [0.55]	Iron [3.76]	Diarrhea [0.99]	Malaria [496.36]	Vit A [2.22]	Typh + Paratyph [71.45]	PEM [2.13]	Headaches [0.98]
Haryana	Neonatal [1.03]	LRI [0.99]	Iron [4.49]	Congenital [0.49]	Diarrhea [1.65]	Typh + Paratyph [177.65]	Vit A [2.56]	PEM [3.55]	Malaria [357.3]	Road Inj [0.4]
Himachal Pradesh	Neonatal [1.14]	LRI [1.08]	Congenital [0.57]	Iron [4.58]	Diarrhea [1.56]	Typh + Paratyph [216.74]	Vit A [2.54]	Headaches [0.99]	Road Inj [0.37]	STI [3.76]
Jammu & Kashmir	Neonatal [0.86]	LRI [0.97]	Congenital [0.57]	Diarrhea [0.84]	Iron [1.82]	Vit A [2.16]	Road Inj [0.46]	Headaches [1.05]	Typh + Paratyph [43.83]	Conduct [0.96]
Jharkhand	Neonatal [0.58]	LRI [0.44]	Diarrhea [0.77]	Congenital [0.34]	Iron [1.8]	Malaria [50.76]	Drown [0.73]	Vit A [1.5]	Typh + Paratyph [10.85]	Road Inj [0.41]
Karnataka	Neonatal [0.85]	Congenital [0.6]	LRI [0.41]	Diarrhea [0.7]	Iron [1.68]	Self Harm [3.35]	Vit A [1.9]	Drown [0.62]	PEM [1.78]	Headaches [1.0]
Kerala	Neonatal [0.59]	Congenital [0.57]	LRI [0.29]	Headaches [0.97]	Iron [1.36]	Vit A [2.13]	STI [4.32]	Self Harm [1.21]	Conduct [0.86]	Anxiety [0.83]
Madhya Pradesh	Neonatal [0.77]	LRI [0.63]	Diarrhea [0.55]	Congenital [0.39]	Iron [2.19]	Typh + Paratyph [23.18]	Malaria [49.5]	PEM [0.92]	Vit A [1.62]	Drown [0.6]
Maharashtra	Neonatal [0.99]	LRI [0.57]	Congenital [0.4]	Iron [3.09]	Diarrhea [1.04]	Vit A [2.29]	Typh + Paratyph [127.04]	Headaches [1.0]	PEM [3.59]	STI [2.88]
Manipur	Neonatal [0.92]	LRI [0.66]	Congenital [0.46]	Diarrhea [1.32]	Typh + Paratyph [119.5]	HIV [7.28]	Malaria [335.61]	Drown [0.68]	Headaches [1.04]	Road Inj [0.41]
Meghalaya	Neonatal [0.87]	LRI [0.91]	Malaria [1232.76]	Congenital [0.54]	Diarrhea [1.2]	Typh + Paratyph [89.17]	Iron [2.14]	Vit A [1.79]	Meningitis [0.47]	Headaches [1.03]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Mizoram	Neonatal [1.13]	LRI [1.71]	Congenital [0.56]	Malaria [1622.17]	Typh + Paratyph [326.55]	Diarrhea [1.08]	HIV [6.99]	Headaches [1.0]	Meningitis [0.64]	Vit A [1.64]
Nagaland	Neonatal [1.38]	LRI [2.45]	Malaria [2520.32]	Congenital [0.4]	Diarrhea [1.76]	Typh + Paratyph [348.37]	Iron [2.53]	HIV [13.04]	Hep [15.58]	Drown [1.0]
Odisha	Neonatal [0.98]	LRI [0.66]	Diarrhea [1.11]	Malaria [448.51]	Congenital [0.47]	Typh + Paratyph [29.36]	PEM [1.34]	Iron [1.0]	Vit A [1.59]	Drown [0.63]
Punjab	Neonatal [1.06]	LRI [0.91]	Congenital [0.63]	Diarrhea [1.89]	Iron [3.65]	Typh + Paratyph [231.07]	Vit A [2.36]	Headaches [0.98]	Road Inj [0.42]	STI [2.99]
Rajasthan	Neonatal [0.83]	LRI [0.92]	Diarrhea [0.53]	Congenital [0.36]	Typh + Paratyph [26.54]	Iron [1.61]	Malaria [48.4]	Vit A [1.51]	PEM [0.82]	Measles [1.43]
Sikkim	Neonatal [0.6]	LRI [0.93]	Iron [3.05]	Congenital [0.32]	Diarrhea [1.32]	Typh + Paratyph [239.92]	Headaches [1.05]	Vit A [2.11]	Measles [20.83]	STI [3.15]
Tamil Nadu	Neonatal [0.58]	Congenital [0.43]	LRI [0.38]	Iron [2.31]	Self Harm [3.5]	Diarrhea [0.9]	Vit A [2.45]	Typh + Paratyph [105.44]	Headaches [0.99]	Road Inj [0.39]
Telangana	Neonatal [0.77]	Iron [2.72]	LRI [0.32]	Congenital [0.34]	Diarrhea [0.86]	Typh + Paratyph [62.18]	Vit A [1.94]	Headaches [1.05]	Self Harm [1.68]	PEM [1.4]
Tripura	Neonatal [0.95]	LRI [0.99]	Congenital [0.61]	Diarrhea [0.81]	Malaria [327.17]	Iron [1.54]	Vit A [1.71]	Self Harm [2.16]	Headaches [1.07]	PEM [1.05]
Uttar Pradesh	Neonatal [0.99]	LRI [0.75]	Diarrhea [1.24]	Congenital [0.59]	Typh + Paratyph [23.74]	Iron [1.88]	PEM [1.13]	Malaria [51.07]	Meningitis [0.42]	Vit A [1.58]
Uttarakhand	Neonatal [0.83]	LRI [0.87]	Congenital [0.4]	Iron [3.32]	Typh + Paratyph [209.96]	Diarrhea [1.18]	Road Inj [0.53]	Vit A [2.06]	Headaches [1.04]	STI [2.69]
W Bengal	Neonatal [0.68]	LRI [0.49]	Congenital [0.43]	Diarrhea [0.45]	Iron [1.42]	Vit A [1.69]	Self Harm [2.26]	Drown [0.56]	Headaches [1.09]	Measles [3.71]
UTs other than Delhi	Neonatal [1.48]	LRI [1.22]	Congenital [0.67]	Iron [3.92]	Diarrhea [1.86]	Vit A [2.75]	Headaches [1.01]	STI [6.23]	Malaria [1324.16]	Meningitis [0.86]
Nepal	Neonatal [0.47]	LRI [0.31]	Diarrhea [0.16]	Congenital [0.18]	Typh + Paratyph [4.35]	Road Inj [0.43]	Iron [0.7]	Headaches [1.54]	STI [0.61]	Whooping [0.39]
Pakistan	Neonatal [1.54]	LRI [0.58]	Diarrhea [0.96]	Congenital [0.54]	Meningitis [0.78]	Road Inj [0.92]	Iron [1.49]	Drown [0.82]	Typh + Paratyph [10.42]	TB [1.35]
Southeast Asia, East Asia, and Oceania	Neonatal [0.78]	Congenital [0.68]	LRI [1.08]	Road Inj [0.75]	Drown [1.45]	Diarrhea [1.74]	Asthma [0.92]	Headaches [0.6]	Conduct [0.79]	STI [4.98]
East Asia	Neonatal [0.65]	Congenital [0.62]	LRI [0.9]	Drown [1.86]	Road Inj [0.75]	F Body [1.07]	Leukemia [1.05]	Anxiety [0.71]	Conduct [0.7]	Falls [1.02]
China	Neonatal [0.63]	Congenital [0.61]	LRI [0.83]	Drown [1.8]	Road Inj [0.73]	F Body [1.04]	Leukemia [1.04]	Anxiety [0.71]	Conduct [0.7]	Falls [1.03]
N Korea	Neonatal [0.38]	Congenital [0.53]	LRI [0.39]	Drown [1.09]	Road Inj [0.78]	Diarrhea [0.34]	F Body [0.73]	Leukemia [0.92]	Iron [0.55]	Anxiety [1.06]
Taiwan	Neonatal [0.63]	Congenital [0.62]	Road Inj [0.93]	Headaches [0.72]	Asthma [1.29]	Back Pain [0.88]	Anxiety [0.73]	Conduct [0.87]	Dermatitis [0.57]	Diarrhea [2.19]
Oceania	Neonatal [0.65]	Congenital [0.83]	LRI [0.44]	Diarrhea [0.7]	STI [4.02]	PEM [1.43]	Meningitis [0.57]	Drown [0.98]	Iron [1.19]	Asthma [1.97]
Am Samoa	Neonatal [0.56]	Congenital [0.36]	LRI [0.73]	Asthma [1.88]	Diarrhea [1.41]	Iron [1.69]	Drown [0.97]	Headaches [0.7]	Road Inj [0.34]	Dermatitis [0.85]
Micronesia	Neonatal [0.47]	Congenital [0.42]	LRI [0.32]	Iron [1.29]	Road Inj [0.53]	Asthma [1.52]	Self Harm [2.32]	Whooping [3.73]	Drown [0.59]	Diarrhea [0.33]
Fiji	Neonatal [0.95]	Congenital [0.94]	LRI [1.05]	Diarrhea [1.89]	Drown [1.13]	Asthma [1.9]	Iron [1.75]	Road Inj [0.5]	F Body [1.13]	Meningitis [0.78]
Guam	Neonatal [1.58]	Congenital [1.09]	LRI [3.83]	Self Harm [2.73]	Diarrhea [4.62]	Asthma [1.9]	Road Inj [0.66]	Dermatitis [0.84]	Headaches [0.62]	Iron [2.71]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Kiribati	Neonatal [0.67]	Congenital [0.88]	LRI [0.2]	Diarrhea [0.28]	PEM [1.05]	Measles [1.39]	Meningitis [0.57]	Whooping [0.94]	Iron [0.91]	Asthma [1.64]
Marshall	Neonatal [0.55]	Congenital [0.58]	LRI [0.4]	Road Inj [0.63]	Whooping [3.37]	Self Harm [2.68]	Iron [1.04]	Drown [0.65]	Asthma [1.43]	Measles [5.48]
N Mariana	Neonatal [0.48]	Congenital [0.33]	Asthma [1.79]	Self Harm [2.01]	Drown [1.61]	Road Inj [0.51]	Diarrhea [2.21]	LRI [0.82]	Headaches [0.82]	Conduct [0.96]
PNG	Neonatal [0.58]	Congenital [0.81]	LRI [0.37]	Diarrhea [0.53]	STI [2.88]	PEM [1.01]	Meningitis [0.5]	Drown [0.96]	Iron [1.06]	Asthma [1.96]
Samoa	Neonatal [0.41]	Congenital [0.36]	LRI [0.27]	Iron [1.22]	Measles [11.49]	Asthma [1.45]	Diarrhea [0.34]	Whooping [3.22]	Vit A [1.28]	Road Inj [0.34]
Solomon	Neonatal [0.31]	STI [4.94]	LRI [0.26]	Congenital [0.43]	Iron [1.23]	Diarrhea [0.14]	Road Inj [0.5]	Drown [0.51]	Asthma [1.12]	Vit A [0.8]
Tonga	Neonatal [0.57]	LRI [0.45]	Congenital [0.34]	Meningitis [1.23]	Asthma [2.05]	Road Inj [0.53]	Drown [0.74]	Diarrhea [0.61]	Dermatitis [0.94]	Headaches [0.68]
Vanuatu	Neonatal [0.51]	LRI [0.4]	Congenital [0.6]	STI [2.79]	Diarrhea [0.24]	Iron [1.14]	Road Inj [0.56]	Whooping [1.16]	Drown [0.63]	Asthma [1.5]
Southeast Asia	Neonatal [0.8]	Congenital [0.69]	LRI [0.95]	Diarrhea [1.9]	Road Inj [0.73]	Drown [0.94]	STI [5.27]	Asthma [1.26]	Meningitis [0.74]	Headaches [0.84]
Cambodia	Neonatal [0.52]	LRI [0.64]	Congenital [0.64]	Drown [0.91]	Iron [1.31]	Road Inj [0.65]	Diarrhea [0.18]	Mech [3.02]	Malaria [27.58]	Headaches [0.9]
Indonesia	Neonatal [0.86]	Congenital [0.56]	Diarrhea [3.0]	LRI [0.72]	STI [11.26]	Road Inj [0.79]	Dengue [60.02]	Measles [57.05]	Typh + Paratyph [224.96]	Meningitis [0.87]
Laos	Neonatal [1.15]	LRI [1.4]	Congenital [1.23]	Diarrhea [1.34]	Road Inj [1.13]	Meningitis [0.73]	Drown [0.97]	TB [1.75]	Whooping [1.51]	Typh + Paratyph [14.38]
Malaysia	Neonatal [0.57]	Congenital [0.63]	Road Inj [1.01]	HIV [22.49]	LRI [0.85]	Headaches [0.75]	Depression [1.34]	Dermatitis [0.93]	Diarrhea [1.84]	Conduct [0.9]
Maldives	Neonatal [0.47]	Congenital [0.35]	Headaches [0.77]	Iron [1.03]	Dermatitis [0.94]	Asthma [0.95]	Dengue [32.58]	Conduct [0.86]	Drown [0.5]	Road Inj [0.26]
Mauritius	Neonatal [0.91]	Congenital [0.65]	Iron [3.11]	Road Inj [0.53]	LRI [0.55]	Headaches [0.89]	Diarrhea [1.49]	Asthma [1.23]	Depression [1.27]	Conduct [0.96]
Myanmar	Neonatal [0.81]	Congenital [1.08]	LRI [0.83]	Diarrhea [0.77]	Drown [1.1]	Road Inj [0.7]	Meningitis [0.59]	Oth Un Inf [3.52]	Typh + Paratyph [35.45]	Exec & Police [203.21]
Philippines	Neonatal [0.93]	LRI [1.27]	Congenital [0.78]	Diarrhea [1.45]	Asthma [2.07]	Drown [0.94]	Meningitis [0.87]	Dengue [34.06]	Road Inj [0.44]	TB [4.27]
Sri Lanka	Neonatal [0.48]	Congenital [0.46]	Headaches [0.81]	Dermatitis [0.89]	Self Harm [1.21]	Conduct [0.9]	Asthma [0.94]	LRI [0.21]	Typh + Paratyph [249.77]	Iron [0.86]
Seychelles	Neonatal [0.69]	Congenital [0.7]	LRI [1.2]	Drown [1.52]	Meningitis [1.16]	Road Inj [0.41]	Headaches [0.78]	Dermatitis [0.91]	Asthma [0.98]	Conduct [0.86]
Thailand	Neonatal [0.4]	Road Inj [1.45]	Congenital [0.4]	Drown [1.33]	LRI [0.4]	Headaches [0.99]	Typh + Paratyph [358.85]	Dermatitis [0.94]	Conduct [0.95]	Asthma [0.93]
Timor-Leste	Neonatal [0.62]	LRI [0.59]	Congenital [0.77]	Diarrhea [0.47]	Iron [1.39]	HIV [5.73]	Drown [0.67]	Road Inj [0.42]	Meningitis [0.31]	PEM [0.6]
Vietnam	Neonatal [0.33]	Congenital [0.61]	LRI [0.31]	Drown [1.27]	Road Inj [0.63]	Headaches [0.81]	Conduct [0.88]	Dermatitis [0.83]	Asthma [0.73]	Typh + Paratyph [42.83]
Sub-Saharan Africa	Neonatal [0.89]	LRI [0.81]	Malaria [123.33]	Diarrhea [1.18]	Congenital [0.71]	HIV [11.53]	Meningitis [0.95]	PEM [1.53]	STI [1.91]	Measles [1.37]
Central Sub-Saharan Africa	Neonatal [0.89]	Malaria [242.79]	LRI [0.83]	Diarrhea [1.16]	Congenital [1.05]	PEM [1.94]	Road Inj [1.35]	STI [2.94]	Meningitis [0.72]	Whooping [1.95]
Angola	Neonatal [0.85]	Diarrhea [1.47]	LRI [0.6]	Congenital [0.8]	Malaria [95.12]	PEM [2.01]	STI [2.98]	Road Inj [1.18]	HIV [7.74]	Measles [2.41]
C African Rep	Neonatal [0.9]	Diarrhea [1.36]	LRI [0.79]	Malaria [9.47]	Congenital [1.03]	Road Inj [2.81]	PEM [1.25]	HIV [10.35]	Whooping [1.59]	TB [1.91]
Congo	Neonatal [1.0]	HIV [52.02]	Malaria [2273.17]	Diarrhea [2.91]	Congenital [0.78]	LRI [0.73]	STI [9.2]	Road Inj [1.28]	Iron [1.85]	Meningitis [0.97]
Congo DR	Malaria [22.86]	Neonatal [0.63]	LRI [0.57]	Congenital [0.95]	Diarrhea [0.47]	PEM [0.82]	Road Inj [1.1]	Whooping [1.11]	STI [1.42]	Meningitis [0.46]

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COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Eq Guinea	Malaria [10485.87]	Neonatal [1.09]	HIV [69.0]	Congenital [0.82]	LRI [0.79]	Diarrhea [2.46]	STI [15.6]	Road Inj [0.97]	Measles [40.22]	Meningitis [1.1]
Gabon	Neonatal [1.68]	Malaria [12947.65]	Congenital [1.06]	LRI [1.23]	Diarrhea [3.5]	Road Inj [1.33]	Iron [3.79]	HIV [21.46]	STI [13.53]	Meningitis [1.49]
Eastern Sub-Saharan Africa	Neonatal [0.63]	LRI [0.41]	Diarrhea [0.56]	Congenital [0.64]	HIV [12.67]	Malaria [8.71]	PEM [0.82]	Meningitis [0.45]	STI [1.28]	Whooping [0.78]
Burundi	Neonatal [0.5]	Malaria [4.73]	LRI [0.36]	Congenital [0.89]	Diarrhea [0.35]	PEM [0.78]	Measles [0.31]	Meningitis [0.34]	TB [0.76]	HIV [4.0]
Comoros	Neonatal [0.61]	LRI [0.34]	Congenital [0.6]	Diarrhea [0.45]	PEM [0.57]	Meningitis [0.33]	Iron [0.89]	STI [1.03]	Whooping [0.77]	Road Inj [0.4]
Djibouti	Neonatal [0.62]	LRI [0.51]	Congenital [0.66]	Diarrhea [0.67]	PEM [1.67]	HIV [7.71]	STI [2.71]	Whooping [1.94]	Meningitis [0.49]	Road Inj [0.5]
Eritrea	Neonatal [0.62]	LRI [0.55]	Diarrhea [0.82]	Congenital [0.67]	PEM [1.26]	Meningitis [0.54]	TB [1.51]	HIV [5.43]	Iron [1.25]	Road Inj [0.61]
Ethiopia	Neonatal [0.55]	Diarrhea [0.46]	LRI [0.28]	Congenital [0.35]	PEM [0.48]	Whooping [0.75]	Meningitis [0.34]	HIV [3.79]	STI [0.71]	Measles [0.24]
Kenya	Neonatal [0.65]	Diarrhea [1.4]	LRI [0.61]	HIV [18.3]	Congenital [0.59]	Meningitis [0.61]	PEM [1.37]	Malaria [71.49]	iNTS [6.19]	Tetanus [22.63]
Baringo	Neonatal [0.45]	Diarrhea [0.78]	LRI [0.36]	Congenital [0.42]	PEM [0.64]	Meningitis [0.36]	iNTS [3.83]	Leish [22.38]	HIV [2.63]	Vit A [0.95]
Bomet	Neonatal [0.51]	HIV [31.72]	Diarrhea [0.68]	LRI [0.21]	Congenital [0.3]	iNTS [3.64]	Meningitis [0.23]	Dermatitis [1.12]	Vit A [0.7]	Conduct [1.0]
Bungoma	Neonatal [0.65]	Diarrhea [1.3]	LRI [0.51]	Congenital [0.58]	Malaria [54.4]	PEM [1.01]	Meningitis [0.49]	iNTS [6.16]	Whooping [1.22]	HIV [4.01]
Busia	Neonatal [0.65]	LRI [0.66]	Diarrhea [0.96]	Malaria [80.78]	Congenital [0.73]	Meningitis [0.53]	PEM [0.76]	HIV [4.72]	iNTS [4.99]	Whooping [0.75]
Elgeyo-Marakwet	Neonatal [0.8]	Diarrhea [1.39]	LRI [0.44]	Congenital [0.52]	HIV [7.13]	Meningitis [0.47]	PEM [0.94]	iNTS [4.82]	STI [1.28]	Whooping [0.85]
Embu	Neonatal [0.73]	Diarrhea [2.26]	LRI [0.76]	Congenital [0.67]	HIV [13.82]	Meningitis [0.77]	PEM [2.17]	iNTS [6.23]	Malaria [99.64]	Vit A [1.09]
Garissa	Neonatal [0.23]	Diarrhea [0.28]	LRI [0.15]	HIV [7.11]	Congenital [0.23]	iNTS [2.23]	Tetanus [2.31]	Meningitis [0.16]	Vit A [0.61]	Iron [0.47]
HomaBay	HIV [54.88]	Neonatal [0.61]	LRI [0.92]	Diarrhea [1.09]	Congenital [0.96]	Malaria [24.03]	PEM [1.33]	Meningitis [0.8]	Road Inj [0.92]	iNTS [6.79]
Isiolo	Neonatal [0.56]	LRI [0.67]	Congenital [0.78]	Diarrhea [0.4]	PEM [0.72]	Meningitis [0.54]	HIV [6.5]	Conflict Terror [134.28]	Tetanus [6.91]	Whooping [0.72]
Kajiado	Neonatal [0.58]	Diarrhea [1.01]	LRI [0.39]	Congenital [0.39]	HIV [8.22]	Meningitis [0.53]	Whooping [2.1]	Vit A [1.29]	iNTS [5.45]	PEM [0.94]
Kakamega	Neonatal [0.61]	Diarrhea [1.18]	LRI [0.65]	Congenital [0.68]	HIV [11.95]	Malaria [36.43]	PEM [1.18]	Meningitis [0.6]	iNTS [5.32]	Whooping [0.82]
Kericho	Neonatal [0.9]	Diarrhea [1.34]	LRI [0.49]	Congenital [0.59]	HIV [16.6]	iNTS [9.28]	Meningitis [0.46]	PEM [1.03]	STI [1.28]	Whooping [1.16]
Kiambu	Neonatal [1.43]	LRI [1.21]	Diarrhea [2.87]	Congenital [0.96]	HIV [16.85]	Meningitis [1.29]	PEM [3.73]	Whooping [5.7]	STI [3.81]	iNTS [9.12]
Kilifi	Neonatal [0.58]	Diarrhea [1.33]	LRI [0.47]	Congenital [0.54]	HIV [11.01]	PEM [1.08]	Meningitis [0.45]	Malaria [21.04]	Whooping [0.76]	Vit A [0.97]
Kirinyaga	Neonatal [0.98]	Diarrhea [2.63]	LRI [0.93]	Congenital [0.91]	HIV [11.9]	Meningitis [0.95]	PEM [2.39]	iNTS [6.7]	Malaria [125.59]	Road Inj [0.42]
Kisii	Neonatal [0.9]	Diarrhea [2.15]	LRI [0.69]	Congenital [0.74]	Meningitis [0.65]	HIV [6.12]	iNTS [7.77]	PEM [1.15]	STI [1.46]	Road Inj [0.36]
Kisumu	Neonatal [0.79]	HIV [47.45]	LRI [0.86]	Congenital [1.0]	Diarrhea [1.17]	Malaria [219.3]	Meningitis [1.08]	iNTS [14.51]	PEM [1.57]	TB [2.39]
Kitui	Neonatal [0.47]	Diarrhea [0.83]	HIV [12.12]	LRI [0.25]	Congenital [0.33]	iNTS [4.65]	Meningitis [0.3]	PEM [0.54]	Whooping [0.73]	Typh + Paratyph [3.84]
Kwale	Neonatal [0.53]	Diarrhea [0.56]	LRI [0.3]	HIV [9.76]	Congenital [0.39]	Malaria [28.38]	iNTS [4.91]	Meningitis [0.32]	PEM [0.5]	Iron [0.67]
Laikipia	Neonatal [0.65]	HIV [33.4]	Diarrhea [1.35]	LRI [0.34]	Congenital [0.37]	Meningitis [0.43]	iNTS [5.01]	Dermatitis [1.14]	Epilepsy [1.07]	STI [1.43]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Lamu	Neonatal [0.97]	LRI [0.8]	Congenital [1.01]	Diarrhea [0.96]	Conflict Terror [1032.86]	PEM [1.51]	Meningitis [0.79]	HIV [6.36]	Whooping [1.56]	Malaria [23.59]
Machakos	Neonatal [1.1]	Diarrhea [2.26]	HIV [29.13]	LRI [0.64]	Congenital [0.7]	Meningitis [0.63]	iNTS [8.37]	PEM [1.33]	STI [1.67]	Whooping [1.34]
Makueni	HIV [27.61]	Neonatal [0.22]	Diarrhea [0.39]	LRI [0.1]	Congenital [0.17]	Dermatitis [1.11]	Meningitis [0.17]	Typh + Paratyph [3.95]	Conduct [1.06]	Epilepsy [0.87]
Mandera	Diarrhea [0.24]	Neonatal [0.13]	LRI [0.16]	HIV [4.69]	PEM [0.24]	Congenital [0.16]	Tetanus [1.8]	Meningitis [0.18]	iNTS [1.48]	Vit A [0.69]
Marsabit	Neonatal [0.47]	Diarrhea [0.47]	LRI [0.3]	HIV [13.28]	Congenital [0.39]	Tetanus [5.09]	PEM [0.43]	Meningitis [0.26]	iNTS [1.98]	Measles [0.14]
Meru	Neonatal [0.87]	Diarrhea [2.21]	LRI [0.9]	HIV [25.36]	Congenital [0.82]	PEM [2.29]	Meningitis [0.87]	Malaria [80.84]	TB [1.7]	iNTS [5.4]
Migori	Neonatal [0.76]	LRI [0.94]	HIV [41.75]	Diarrhea [1.31]	Congenital [1.03]	Malaria [20.8]	PEM [1.25]	Meningitis [0.78]	iNTS [5.78]	TB [1.29]
Mombasa	Neonatal [1.09]	LRI [1.21]	Diarrhea [3.19]	Congenital [0.95]	HIV [13.71]	Meningitis [1.29]	PEM [4.25]	iNTS [17.14]	Whooping [4.59]	STI [2.95]
Murang'a	Neonatal [0.71]	LRI [0.72]	Congenital [0.84]	HIV [20.28]	Diarrhea [0.61]	Meningitis [0.95]	Whooping [3.41]	iNTS [7.01]	PEM [1.22]	Road Inj [0.39]
Nairobi	Neonatal [1.4]	LRI [1.77]	Congenital [0.81]	Diarrhea [3.65]	Meningitis [2.13]	HIV [15.96]	STI [13.11]	PEM [12.65]	Dermatitis [1.36]	Road Inj [0.5]
Nakuru	Neonatal [0.76]	LRI [0.85]	Diarrhea [1.85]	Congenital [0.77]	HIV [16.63]	Meningitis [0.84]	PEM [2.53]	Epilepsy [1.41]	iNTS [5.19]	Typh + Paratyph [18.92]
Nandi	Neonatal [0.58]	Diarrhea [0.97]	HIV [14.77]	LRI [0.32]	Congenital [0.39]	iNTS [6.31]	Meningitis [0.35]	Malaria [40.52]	PEM [0.61]	Dermatitis [1.13]
Narok	Neonatal [0.22]	Diarrhea [0.27]	LRI [0.15]	Congenital [0.21]	Vit A [0.96]	HIV [2.39]	Meningitis [0.2]	iNTS [2.12]	PEM [0.2]	Typh + Paratyph [1.81]
Nyamira	Neonatal [0.84]	Diarrhea [1.43]	LRI [0.51]	Congenital [0.57]	HIV [17.87]	Meningitis [0.69]	iNTS [8.36]	Road Inj [0.51]	Epilepsy [1.56]	STI [1.75]
Nyandarua	Neonatal [0.94]	LRI [0.99]	Diarrhea [2.0]	Congenital [0.86]	HIV [13.43]	Meningitis [1.08]	PEM [2.24]	Whooping [2.95]	TB [2.6]	Road Inj [0.51]
Nyeri	Neonatal [0.84]	LRI [1.15]	Congenital [0.91]	Diarrhea [1.84]	HIV [23.9]	Meningitis [1.38]	PEM [3.47]	Whooping [5.14]	TB [2.98]	Road Inj [0.47]
Samburu	Neonatal [0.32]	HIV [20.5]	Diarrhea [0.29]	LRI [0.17]	Congenital [0.23]	Tetanus [2.75]	PEM [0.21]	Meningitis [0.15]	iNTS [1.58]	Whooping [0.27]
Siaya	Neonatal [0.6]	LRI [0.68]	Diarrhea [1.08]	Malaria [125.7]	Congenital [0.8]	HIV [17.92]	Meningitis [0.56]	iNTS [6.14]	PEM [0.76]	Vit A [1.02]
TaitaTaveta	Neonatal [0.56]	HIV [28.05]	LRI [0.64]	Diarrhea [1.44]	Congenital [0.58]	Meningitis [0.81]	PEM [2.1]	iNTS [8.94]	Malaria [126.96]	Whooping [1.99]
TanaRiver	Neonatal [0.68]	LRI [0.47]	HIV [19.32]	Diarrhea [0.51]	Congenital [0.57]	PEM [0.88]	Tetanus [9.32]	Meningitis [0.44]	iNTS [4.65]	TB [0.81]
TharakaNithi	Diarrhea [4.65]	Neonatal [1.01]	LRI [1.28]	Congenital [1.02]	PEM [4.92]	Meningitis [1.21]	iNTS [9.89]	Malaria [154.59]	TB [2.57]	Road Inj [0.48]
TransNzoia	Neonatal [0.44]	Diarrhea [1.26]	HIV [26.68]	LRI [0.39]	Congenital [0.37]	PEM [1.01]	Meningitis [0.44]	iNTS [5.7]	Whooping [1.13]	Malaria [34.63]
Turkana	Neonatal [0.3]	Diarrhea [0.36]	HIV [16.81]	LRI [0.22]	Congenital [0.32]	Tetanus [2.83]	PEM [0.34]	Meningitis [0.22]	Malaria [0.31]	TB [0.33]
UasinGishu	Neonatal [0.69]	Diarrhea [2.24]	LRI [0.58]	Congenital [0.54]	HIV [13.01]	Meningitis [0.63]	PEM [1.71]	Dermatitis [1.64]	iNTS [6.04]	Vit A [1.0]
Vihiga	Neonatal [0.32]	Diarrhea [0.58]	LRI [0.28]	Congenital [0.36]	Malaria [44.31]	HIV [5.08]	Meningitis [0.39]	Road Inj [0.36]	Vit A [0.98]	iNTS [3.56]
Wajir	Neonatal [0.25]	Diarrhea [0.3]	LRI [0.18]	Congenital [0.27]	Tetanus [1.63]	Measles [0.1]	PEM [0.14]	Meningitis [0.17]	iNTS [1.59]	HIV [2.86]
WestPokot	Neonatal [0.41]	Diarrhea [0.76]	LRI [0.27]	Congenital [0.32]	HIV [4.74]	PEM [0.48]	Tetanus [6.13]	Leish [11.5]	Meningitis [0.25]	iNTS [3.14]
Madagascar	Neonatal [0.55]	Diarrhea [0.81]	LRI [0.49]	PEM [1.48]	Congenital [0.6]	Malaria [1.52]	STI [1.29]	Measles [0.32]	Meningitis [0.32]	Whooping [0.44]
Malawi	Neonatal [0.57]	HIV [29.59]	LRI [0.29]	Congenital [0.67]	Malaria [4.87]	Diarrhea [0.29]	STI [1.23]	PEM [0.46]	Meningitis [0.4]	Iron [1.19]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Mozambique	HIV [42.86]	Neonatal [0.52]	Malaria [6.38]	Congenital [0.68]	LRI [0.22]	Diarrhea [0.25]	STI [1.06]	Meningitis [0.27]	TB [0.68]	Iron [0.96]
Rwanda	Neonatal [0.56]	LRI [0.39]	Congenital [0.75]	Diarrhea [0.43]	Malaria [11.56]	PEM [0.87]	Meningitis [0.44]	HIV [4.47]	Road Inj [0.6]	TB [0.72]
Somalia	Neonatal [0.4]	LRI [0.32]	Diarrhea [0.29]	Measles [0.53]	Whooping [1.84]	PEM [0.37]	Congenital [0.34]	STI [0.93]	Conflict Terror [43.35]	Meningitis [0.38]
S Sudan	Neonatal [0.65]	LRI [0.71]	Diarrhea [0.71]	Malaria [1.25]	PEM [0.73]	Meningitis [0.68]	Congenital [0.46]	Conflict Terror [92.22]	STI [1.41]	Measles [0.32]
Tanzania	Neonatal [0.72]	LRI [0.54]	Congenital [1.14]	Malaria [21.49]	Diarrhea [0.29]	HIV [8.53]	PEM [0.91]	STI [1.72]	Meningitis [0.41]	Iron [1.22]
Uganda	Neonatal [0.65]	Malaria [25.21]	HIV [18.15]	Congenital [0.65]	LRI [0.25]	Diarrhea [0.33]	STI [2.13]	Meningitis [0.51]	PEM [0.51]	Whooping [0.62]
Zambia	Neonatal [0.8]	HIV [43.79]	LRI [0.62]	Diarrhea [1.04]	Congenital [0.91]	Malaria [117.17]	PEM [2.06]	Meningitis [0.77]	STI [1.92]	TB [1.7]
Southern Sub-Saharan Africa	Neonatal [1.32]	HIV [80.72]	LRI [1.82]	Diarrhea [5.49]	Congenital [0.44]	PEM [15.24]	TB [15.23]	Road Inj [0.79]	STI [7.77]	Violence [2.09]
Botswana	Neonatal [1.11]	Diarrhea [6.44]	LRI [0.99]	HIV [22.65]	Road Inj [0.83]	Congenital [0.27]	Iron [2.34]	PEM [10.1]	Dermatitis [1.28]	TB [10.1]
Lesotho	Neonatal [0.89]	HIV [61.79]	Diarrhea [1.9]	LRI [0.75]	TB [4.3]	Congenital [0.37]	Road Inj [1.29]	PEM [1.78]	Violence [2.97]	STI [1.65]
Namibia	Neonatal [1.27]	HIV [85.18]	Diarrhea [4.71]	LRI [1.1]	Congenital [0.35]	Road Inj [0.9]	PEM [6.82]	TB [8.82]	Iron [1.75]	Violence [1.72]
S Africa	Neonatal [1.28]	HIV [109.77]	Diarrhea [6.98]	LRI [1.67]	Congenital [0.47]	STI [14.07]	Road Inj [0.84]	Violence [2.8]	PEM [14.55]	TB [14.9]
Swaziland	HIV [80.03]	Neonatal [0.91]	Diarrhea [4.5]	LRI [1.23]	Congenital [0.39]	Road Inj [1.29]	PEM [4.91]	TB [7.66]	Violence [2.07]	Meningitis [0.68]
Zimbabwe	Neonatal [0.85]	LRI [0.89]	HIV [20.02]	Diarrhea [0.76]	PEM [2.66]	TB [3.45]	Congenital [0.34]	Meningitis [0.5]	Malaria [23.24]	Road Inj [0.46]
Western Sub-Saharan Africa	Neonatal [1.0]	Malaria [162.53]	LRI [1.06]	Diarrhea [1.46]	Congenital [0.66]	Meningitis [1.37]	PEM [1.53]	HIV [7.1]	Iron [1.73]	Measles [1.57]
Benin	Neonatal [0.79]	Malaria [23.67]	LRI [0.47]	Diarrhea [0.61]	Congenital [0.63]	Meningitis [0.56]	PEM [0.71]	Road Inj [0.87]	Measles [0.55]	iNTS [4.54]
Burkina Faso	Malaria [5.99]	Neonatal [0.47]	LRI [0.47]	Diarrhea [0.36]	Congenital [0.81]	Meningitis [0.71]	PEM [0.54]	iNTS [5.5]	Hemog [3.33]	Iron [1.56]
Cameroon	Neonatal [0.73]	Malaria [457.76]	Diarrhea [1.48]	LRI [0.6]	Congenital [0.56]	HIV [11.8]	Meningitis [0.68]	STI [2.42]	PEM [1.2]	Iron [1.13]
Cape Verde	Neonatal [0.73]	Congenital [0.41]	LRI [0.23]	Iron [1.37]	Diarrhea [0.31]	Violence [1.44]	HIV [3.81]	Headaches [1.01]	Drown [0.47]	Epilepsy [1.02]
Chad	Diarrhea [0.95]	Neonatal [0.6]	LRI [0.63]	Malaria [1.06]	PEM [0.62]	Meningitis [0.67]	Congenital [0.46]	Iron [1.6]	Measles [0.18]	Whooping [0.57]
Cote d'Ivoire	Neonatal [0.93]	Malaria [48.61]	LRI [0.61]	Diarrhea [0.85]	Congenital [0.79]	HIV [8.55]	Meningitis [0.6]	PEM [0.88]	Iron [1.42]	iNTS [6.06]
Gambia	Neonatal [0.65]	LRI [0.31]	Diarrhea [0.39]	Congenital [0.42]	Hemog [6.72]	Iron [1.73]	Meningitis [0.47]	PEM [0.65]	STI [1.44]	HIV [3.92]
Ghana	Neonatal [1.25]	Malaria [1273.21]	Diarrhea [1.38]	LRI [0.53]	Congenital [0.66]	HIV [10.24]	Meningitis [0.99]	Iron [2.11]	PEM [2.28]	STI [3.23]
Guinea	Neonatal [0.65]	Malaria [8.24]	LRI [0.58]	Diarrhea [0.33]	Congenital [0.65]	PEM [0.72]	Meningitis [0.63]	Whooping [0.94]	iNTS [4.76]	Measles [0.29]
Guinea-Bissau	Neonatal [0.78]	Diarrhea [0.67]	LRI [0.31]	Congenital [0.61]	Measles [1.15]	HIV [8.75]	Hemog [6.01]	STI [1.8]	Meningitis [0.54]	PEM [0.52]
Liberia	Neonatal [0.44]	Malaria [4.81]	Diarrhea [0.4]	LRI [0.25]	STI [2.09]	Congenital [0.44]	Measles [0.65]	Whooping [0.78]	Meningitis [0.36]	PEM [0.34]
Mali	Neonatal [0.76]	Malaria [3.78]	Diarrhea [0.37]	LRI [0.32]	Congenital [0.78]	PEM [0.81]	Meningitis [0.72]	iNTS [6.26]	STI [1.14]	Whooping [0.71]
Mauritania	Neonatal [0.77]	Diarrhea [0.83]	LRI [0.42]	Congenital [0.41]	PEM [1.28]	Iron [1.42]	STI [1.88]	Meningitis [0.44]	Road Inj [0.62]	Vit A [1.23]
Niger	Malaria [1.17]	Diarrhea [0.4]	Neonatal [0.33]	LRI [0.35]	Meningitis [0.83]	Congenital [0.42]	PEM [0.17]	iNTS [2.1]	Measles [0.09]	Whooping [0.46]
Nigeria	Neonatal [1.35]	LRI [1.92]	Malaria [788.81]	Diarrhea [2.79]	Meningitis [2.39]	Congenital [0.65]	PEM [2.8]	Measles [6.62]	HIV [11.89]	Iron [2.24]

eFigure 7a. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.69]	(0.69-0.82]	(0.82-0.92]	(0.92-1.01]	(1.01-1.18]	(1.18-1.48]	(1.48-2.26]	2.26+
	1	2	3	4	5	6	7	8	9	10
Sao Tome Principe	Neonatal [0.52]	LRI [0.33]	Congenital [0.48]	Diarrhea [0.33]	Other MN [3.58]	PEM [0.83]	Iron [0.94]	Vit A [1.29]	Road Inj [0.42]	Oth NTD [3.07]
Senegal	Neonatal [0.55]	Diarrhea [0.5]	LRI [0.31]	Congenital [0.45]	Iron [1.48]	Meningitis [0.42]	Malaria [2.55]	Hemog [2.29]	PEM [0.31]	Vit A [0.94]
Sierra Leone	Malaria [28.23]	Neonatal [0.83]	LRI [0.65]	Diarrhea [0.56]	Congenital [0.95]	PEM [1.05]	Meningitis [0.77]	STI [1.12]	Iron [1.4]	iNTS [4.43]
Togo	Neonatal [0.67]	Malaria [75.86]	Diarrhea [0.67]	LRI [0.33]	Congenital [0.47]	HIV [6.77]	iNTS [6.43]	Hemog [3.38]	Iron [1.16]	Meningitis [0.35]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Global	**Neonatal** [1.31]	**LRI** [1.77]	**Congenital** [0.71]	**Diarrhea** [4.95]	**Malaria** [53940.25]	**STI** [6.21]	**Meningitis** [1.38]	**PEM** [6.73]	**HIV** [8.34]	**Whooping** [7.53]
Low SDI	**Neonatal** [0.76]	**LRI** [0.61]	**Diarrhea** [0.69]	**Congenital** [0.67]	**Malaria** [37.06]	**STI** [1.13]	**Meningitis** [0.5]	**PEM** [0.75]	**Whooping** [0.8]	**HIV** [4.73]
Low-middle SDI	**Neonatal** [1.06]	**LRI** [0.95]	**Congenital** [0.64]	**Diarrhea** [1.52]	**Malaria** [2292.63]	**Meningitis** [0.91]	**STI** [2.04]	**PEM** [1.34]	**HIV** [6.54]	**Whooping** [1.42]
Middle SDI	**Neonatal** [0.7]	**Congenital** [0.55]	**LRI** [0.83]	**Diarrhea** [1.47]	**STI** [3.89]	**F Body** [0.68]	**Meningitis** [0.39]	**PEM** [2.4]	**HIV** [3.39]	**Ileus** [1.19]
High-middle SDI	**Neonatal** [1.51]	**Congenital** [1.17]	**LRI** [5.01]	**F Body** [2.14]	**Diarrhea** [4.98]	**STI** [16.42]	**SIDS** [0.31]	**Meningitis** [1.42]	**Endocrine** [0.87]	**Ileus** [3.89]
High SDI	**Neonatal** [0.37]	**Congenital** [0.35]	**SIDS** [0.68]	**F Body** [0.57]	**LRI** [0.14]	**Diarrhea** [0.45]	**Endocrine** [0.47]	**Violence** [0.82]	**STI** [0.75]	**Oth Un Inf** [0.54]
Central Europe, Eastern Europe, and Central Asia	**Neonatal** [1.02]	**LRI** [4.06]	**Congenital** [0.65]	**Diarrhea** [3.47]	**F Body** [0.9]	**SIDS** [0.36]	**Oth Un Inf** [2.68]	**Meningitis** [0.59]	**Encepha** [3.49]	**HIV** [4.88]
Central Asia	**Neonatal** [1.11]	**LRI** [3.09]	**Congenital** [0.62]	**Diarrhea** [2.55]	**F Body** [0.67]	**Encepha** [2.95]	**Ileus** [1.85]	**Meningitis** [0.4]	**SIDS** [0.38]	**TB** [4.7]
Armenia	**Neonatal** [0.5]	**Congenital** [0.57]	**LRI** [1.09]	**Ileus** [2.09]	**Diarrhea** [0.54]	**Iron** [3.88]	**F Body** [0.3]	**SIDS** [0.19]	**Oth Un Inf** [0.56]	**HIV** [0.97]
Azerbaijan	**Neonatal** [1.89]	**LRI** [7.22]	**Congenital** [1.23]	**Diarrhea** [3.62]	**Encepha** [8.11]	**Endocrine** [2.13]	**TB** [13.15]	**Ileus** [2.68]	**F Body** [0.6]	**Oth Un Inf** [2.58]
Georgia	**Neonatal** [0.91]	**Congenital** [0.37]	**LRI** [0.39]	**Diarrhea** [0.51]	**Ileus** [1.19]	**Oth Un Inf** [1.05]	**F Body** [0.18]	**Meningitis** [0.18]	**Med Treat** [0.86]	**STI** [0.57]
Kazakhstan	**Neonatal** [0.97]	**Congenital** [0.76]	**LRI** [1.62]	**F Body** [1.68]	**SIDS** [0.59]	**Encepha** [4.07]	**Diarrhea** [0.94]	**Oth Un Inf** [2.53]	**Ileus** [2.51]	**Meningitis** [0.62]
Kyrgyzstan	**Neonatal** [0.97]	**LRI** [0.57]	**Congenital** [0.42]	**Diarrhea** [0.58]	**F Body** [0.47]	**SIDS** [0.37]	**HIV** [1.94]	**Meningitis** [0.14]	**Oth Un Inf** [0.79]	**Iron** [1.94]
Mongolia	**Neonatal** [1.33]	**LRI** [2.09]	**Congenital** [0.65]	**F Body** [1.34]	**Diarrhea** [0.78]	**STI** [2.73]	**Encepha** [3.52]	**Ileus** [2.16]	**TB** [5.03]	**SIDS** [0.36]
Tajikistan	**Neonatal** [0.75]	**LRI** [1.4]	**Diarrhea** [1.72]	**Congenital** [0.65]	**Meningitis** [0.36]	**Ileus** [1.5]	**TB** [1.18]	**Whooping** [0.82]	**SIDS** [0.47]	**PEM** [0.33]
Turkmenistan	**Neonatal** [1.35]	**LRI** [3.44]	**Congenital** [0.99]	**Diarrhea** [1.6]	**Ileus** [4.04]	**F Body** [0.72]	**Encepha** [2.98]	**TB** [9.21]	**Meningitis** [0.48]	**SIDS** [0.32]
Uzbekistan	**Neonatal** [0.73]	**LRI** [2.23]	**Congenital** [0.32]	**Encepha** [2.95]	**Diarrhea** [0.29]	**F Body** [0.42]	**Ileus** [0.91]	**URI** [5.88]	**Oth Un Inf** [1.05]	**TB** [1.92]
Central Europe	**Neonatal** [0.65]	**Congenital** [0.58]	**LRI** [1.87]	**SIDS** [0.24]	**Diarrhea** [1.49]	**F Body** [0.55]	**Meningitis** [0.47]	**Endocrine** [0.42]	**Vit A** [3.35]	**Ileus** [0.98]
Albania	**Neonatal** [0.64]	**Congenital** [0.7]	**LRI** [0.9]	**SIDS** [0.51]	**Oth Cardio** [3.66]	**F Body** [0.34]	**Meningitis** [0.28]	**Ileus** [1.18]	**CMP** [1.36]	**Stroke** [2.4]
Bosnia	**Neonatal** [0.46]	**Congenital** [0.52]	**LRI** [0.16]	**Whooping** [5.73]	**Diarrhea** [0.46]	**SIDS** [0.25]	**Meningitis** [0.27]	**Vit A** [1.54]	**Stroke** [1.28]	**Med Treat** [0.83]
Bulgaria	**Neonatal** [0.68]	**Congenital** [0.68]	**LRI** [2.09]	**Diarrhea** [1.9]	**F Body** [0.8]	**Meningitis** [0.71]	**Endocrine** [0.52]	**Ileus** [1.56]	**Encepha** [2.73]	**SIDS** [0.14]
Croatia	**Neonatal** [0.59]	**Congenital** [0.53]	**SIDS** [0.44]	**LRI** [0.31]	**Diarrhea** [1.18]	**Endocrine** [0.42]	**F Body** [0.24]	**Meningitis** [0.3]	**Ileus** [0.72]	**Oth Neuro** [0.4]
Czech	**Neonatal** [0.39]	**Congenital** [0.28]	**SIDS** [0.32]	**LRI** [0.63]	**F Body** [0.67]	**Diarrhea** [1.4]	**Endocrine** [0.55]	**Meningitis** [0.38]	**Oth Un Inf** [0.71]	**Oth Neuro** [0.42]
Hungary	**Neonatal** [0.59]	**Congenital** [0.51]	**LRI** [0.71]	**SIDS** [0.38]	**Endocrine** [0.73]	**Diarrhea** [1.24]	**F Body** [0.41]	**Meningitis** [0.48]	**Oth Un Inf** [0.77]	**Oth Neuro** [0.55]
Macedonia	**Neonatal** [1.03]	**Congenital** [0.47]	**LRI** [0.77]	**Diarrhea** [1.23]	**SIDS** [0.39]	**Whooping** [10.12]	**Meningitis** [0.52]	**Vit A** [2.62]	**Endocrine** [0.35]	**F Body** [0.18]
Montenegro	**Neonatal** [0.55]	**Congenital** [0.16]	**LRI** [0.36]	**SIDS** [0.25]	**Whooping** [9.81]	**F Body** [0.36]	**Diarrhea** [0.51]	**Vit A** [2.27]	**Endocrine** [0.23]	**Violence** [0.61]
Poland	**Neonatal** [0.67]	**Congenital** [0.66]	**LRI** [0.7]	**SIDS** [0.23]	**Diarrhea** [1.04]	**F Body** [0.38]	**Endocrine** [0.35]	**Meningitis** [0.4]	**Vit A** [3.56]	**Ileus** [0.84]
Romania	**Neonatal** [0.61]	**LRI** [4.3]	**Congenital** [0.66]	**Diarrhea** [2.32]	**F Body** [1.05]	**Oth Un Inf** [1.7]	**STI** [3.08]	**Meningitis** [0.44]	**Vit A** [3.64]	**Ileus** [1.2]
Serbia	**Neonatal** [0.53]	**Congenital** [0.32]	**LRI** [0.26]	**SIDS** [0.24]	**Diarrhea** [0.43]	**Whooping** [4.4]	**Vit A** [2.08]	**Endocrine** [0.32]	**Meningitis** [0.18]	**F Body** [0.15]
Slovakia	**Neonatal** [0.78]	**Congenital** [0.71]	**LRI** [1.92]	**Diarrhea** [2.17]	**SIDS** [0.25]	**F Body** [0.76]	**Meningitis** [0.98]	**Endocrine** [0.58]	**Ileus** [2.02]	**Oth Neuro** [0.91]
Slovenia	**Neonatal** [0.34]	**Congenital** [0.33]	**SIDS** [0.11]	**Endocrine** [0.48]	**LRI** [0.27]	**Diarrhea** [1.11]	**Oth Neuro** [0.59]	**Vit A** [3.38]	**Hernia** [1.0]	**Iron** [3.33]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Eastern Europe	Neonatal [0.64]	Congenital [0.59]	LRI [1.09]	Oth Un Inf [4.7]	F Body [1.06]	HIV [11.88]	SIDS [0.41]	Diarrhea [0.99]	Meningitis [0.54]	Endocrine [0.49]
Belarus	Neonatal [0.52]	Congenital [0.53]	F Body [1.11]	LRI [0.39]	SIDS [0.4]	Encepha [4.74]	Oth Un Inf [2.2]	Ileus [1.43]	Meningitis [0.39]	Endocrine [0.38]
Estonia	Neonatal [0.36]	Congenital [0.35]	LRI [1.4]	F Body [1.04]	SIDS [0.2]	Diarrhea [1.6]	Oth Un Inf [2.01]	Oth Neuro [0.72]	Endocrine [0.35]	Meningitis [0.44]
Latvia	Neonatal [0.51]	Congenital [0.46]	SIDS [1.02]	LRI [0.98]	Oth Un Inf [2.86]	Diarrhea [1.24]	F Body [0.45]	Meningitis [0.49]	Endocrine [0.32]	Fire [2.46]
Lithuania	Neonatal [0.47]	Congenital [0.71]	LRI [1.62]	F Body [1.51]	SIDS [0.47]	Oth Un Inf [2.27]	Diarrhea [1.51]	Meningitis [0.75]	Endocrine [0.47]	Ileus [1.82]
Moldova	Neonatal [0.72]	Congenital [1.04]	LRI [1.32]	F Body [1.26]	SIDS [0.63]	Oth Un Inf [2.16]	Diarrhea [0.44]	Meningitis [0.26]	Violence [1.18]	Iron [1.68]
Russian Federation	Neonatal [0.63]	Congenital [0.53]	LRI [1.2]	HIV [16.37]	Oth Un Inf [5.07]	SIDS [0.42]	F Body [0.94]	Diarrhea [1.19]	Meningitis [0.46]	Endocrine [0.4]
Ukraine	Neonatal [0.59]	Congenital [0.66]	LRI [0.46]	F Body [1.15]	Oth Un Inf [3.86]	Meningitis [0.62]	SIDS [0.33]	Endocrine [0.78]	Encepha [2.24]	Diarrhea [0.33]
High-income	Neonatal [0.83]	Congenital [0.63]	SIDS [0.77]	F Body [1.34]	LRI [0.76]	Diarrhea [1.93]	Endocrine [0.73]	Violence [1.34]	STI [3.54]	Meningitis [0.55]
Australasia	Neonatal [0.73]	Congenital [0.54]	SIDS [0.69]	LRI [0.72]	F Body [0.72]	Endocrine [0.75]	Diarrhea [1.34]	Oth Un Inf [1.29]	ALS [2.26]	Oth Neuro [0.64]
Australia	Neonatal [0.74]	Congenital [0.55]	SIDS [0.66]	LRI [0.75]	Endocrine [0.79]	Diarrhea [1.43]	F Body [0.46]	ALS [2.44]	Oth Un Inf [1.36]	Oth Neuro [0.67]
New Zealand	Neonatal [0.67]	Congenital [0.48]	SIDS [0.82]	F Body [1.69]	LRI [0.55]	Endocrine [0.57]	Diarrhea [0.91]	Meningitis [0.51]	Oth Un Inf [0.96]	Violence [0.79]
High-income Asia Pacific	Neonatal [0.36]	Congenital [0.44]	SIDS [0.29]	F Body [0.97]	LRI [0.56]	Diarrhea [1.03]	Endocrine [0.36]	CMP [0.76]	URI [1.02]	Violence [0.61]
Brunei	Neonatal [1.15]	Congenital [1.4]	LRI [3.81]	Endocrine [2.73]	F Body [2.09]	SIDS [0.44]	CMP [3.84]	Meningitis [1.26]	Road Inj [2.3]	Oth Un Inf [2.11]
Japan	Congenital [0.45]	Neonatal [0.24]	SIDS [0.28]	F Body [0.93]	LRI [0.52]	Diarrhea [1.06]	Endocrine [0.34]	CMP [0.69]	URI [1.02]	Violence [0.6]
Aichi	Congenital [0.46]	Neonatal [0.24]	SIDS [0.26]	F Body [0.95]	LRI [0.56]	Diarrhea [1.23]	Endocrine [0.36]	ASD [2.04]	CMP [0.76]	URI [1.03]
Akita	Congenital [0.35]	Neonatal [0.18]	F Body [1.05]	SIDS [0.25]	LRI [0.32]	Diarrhea [0.83]	Endocrine [0.31]	CMP [0.57]	URI [0.99]	ASD [1.31]
Aomori	Congenital [0.37]	Neonatal [0.23]	F Body [0.74]	SIDS [0.26]	LRI [0.31]	Diarrhea [0.69]	Endocrine [0.28]	CMP [0.53]	URI [0.98]	ASD [1.31]
Chiba	Congenital [0.53]	Neonatal [0.27]	SIDS [0.32]	F Body [0.99]	LRI [0.55]	Diarrhea [1.04]	Endocrine [0.37]	CMP [0.8]	Violence [0.69]	URI [1.02]
Ehime	Congenital [0.31]	Neonatal [0.17]	SIDS [0.25]	F Body [0.78]	LRI [0.29]	Diarrhea [0.71]	Endocrine [0.28]	URI [0.99]	CMP [0.48]	ASD [1.34]
Fukui	Congenital [0.35]	Neonatal [0.19]	F Body [0.78]	SIDS [0.21]	LRI [0.32]	Diarrhea [1.08]	Endocrine [0.32]	URI [1.0]	ASD [1.35]	CMP [0.48]
Fukuoka	Congenital [0.41]	Neonatal [0.24]	SIDS [0.35]	F Body [0.77]	LRI [0.43]	Diarrhea [0.94]	Endocrine [0.33]	Violence [0.67]	URI [1.01]	CMP [0.55]
Fukushima	Congenital [0.37]	Neonatal [0.19]	F Body [0.9]	SIDS [0.3]	LRI [0.32]	Diarrhea [0.69]	Endocrine [0.32]	CMP [0.64]	URI [0.99]	ASD [1.32]
Gifu	Congenital [0.45]	Neonatal [0.24]	F Body [0.99]	SIDS [0.27]	LRI [0.38]	Diarrhea [1.02]	Endocrine [0.34]	CMP [0.66]	URI [1.0]	ASD [1.34]
Gunma	Congenital [0.41]	Neonatal [0.23]	F Body [0.7]	SIDS [0.2]	LRI [0.39]	Diarrhea [0.8]	Endocrine [0.3]	CMP [0.6]	URI [1.01]	Violence [0.57]
Hiroshima	Congenital [0.4]	Neonatal [0.22]	F Body [0.97]	SIDS [0.25]	LRI [0.46]	Diarrhea [1.04]	Endocrine [0.31]	CMP [0.62]	URI [1.02]	Violence [0.59]
Hokkaido	Congenital [0.4]	Neonatal [0.22]	SIDS [0.36]	F Body [0.7]	LRI [0.36]	Diarrhea [0.76]	Endocrine [0.31]	CMP [0.56]	Violence [0.54]	URI [0.99]
Hyogo	Congenital [0.35]	Neonatal [0.21]	SIDS [0.26]	F Body [0.88]	LRI [0.42]	Diarrhea [1.08]	Endocrine [0.32]	CMP [0.62]	URI [1.01]	Violence [0.57]
Ibaraki	Congenital [0.51]	Neonatal [0.27]	F Body [0.97]	SIDS [0.26]	LRI [0.46]	Diarrhea [0.99]	Endocrine [0.36]	CMP [0.75]	Violence [0.61]	URI [1.01]
Ishikawa	Congenital [0.39]	Neonatal [0.21]	F Body [0.93]	SIDS [0.17]	LRI [0.4]	Diarrhea [0.96]	Endocrine [0.3]	URI [1.01]	ASD [1.34]	CMP [0.5]
Iwate	Congenital [0.39]	Neonatal [0.21]	F Body [0.98]	SIDS [0.24]	LRI [0.32]	Diarrhea [0.68]	Endocrine [0.32]	CMP [0.53]	URI [0.98]	ASD [1.31]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Kagawa	Congenital [0.37]	Neonatal [0.19]	SIDS [0.32]	F Body [0.96]	LRI [0.4]	Diarrhea [1.04]	Endocrine [0.3]	URI [1.0]	Violence [0.57]	CMP [0.54]
Kagoshima	Congenital [0.36]	Neonatal [0.19]	F Body [0.84]	LRI [0.37]	SIDS [0.23]	Diarrhea [0.94]	Endocrine [0.33]	CMP [0.61]	URI [1.0]	Violence [0.5]
Kanagawa	Congenital [0.51]	Neonatal [0.27]	SIDS [0.34]	F Body [0.96]	LRI [0.6]	Diarrhea [0.99]	Endocrine [0.34]	Violence [0.8]	CMP [0.74]	ASD [1.65]
Kochi	Congenital [0.37]	Neonatal [0.22]	F Body [1.0]	SIDS [0.33]	LRI [0.33]	Diarrhea [0.8]	Endocrine [0.33]	CMP [0.63]	Violence [0.61]	URI [0.98]
Kumamoto	Congenital [0.29]	Neonatal [0.14]	SIDS [0.24]	F Body [0.56]	LRI [0.25]	Diarrhea [0.68]	Endocrine [0.28]	URI [0.98]	ASD [1.32]	CMP [0.42]
Kyoto	Congenital [0.54]	Neonatal [0.29]	SIDS [0.3]	F Body [0.96]	LRI [0.64]	Diarrhea [1.22]	Endocrine [0.37]	CMP [0.72]	Violence [0.66]	URI [1.02]
Mie	Congenital [0.42]	Neonatal [0.27]	F Body [1.33]	SIDS [0.34]	LRI [0.47]	Diarrhea [1.35]	Endocrine [0.37]	CMP [0.77]	Violence [0.63]	URI [1.02]
Miyagi	Congenital [0.44]	Neonatal [0.23]	SIDS [0.34]	F Body [0.91]	LRI [0.4]	Diarrhea [0.85]	Endocrine [0.33]	CMP [0.72]	URI [1.01]	Violence [0.54]
Miyazaki	Congenital [0.34]	Neonatal [0.18]	SIDS [0.33]	F Body [0.83]	LRI [0.32]	Diarrhea [0.72]	Endocrine [0.32]	CMP [0.59]	URI [0.98]	Violence [0.46]
Nagano	Congenital [0.3]	Neonatal [0.18]	SIDS [0.22]	F Body [0.67]	LRI [0.24]	Diarrhea [0.73]	Endocrine [0.26]	URI [1.01]	ASD [1.34]	CMP [0.45]
Nagasaki	Congenital [0.33]	Neonatal [0.17]	SIDS [0.23]	F Body [0.57]	LRI [0.26]	Diarrhea [0.62]	Endocrine [0.27]	Vit A [2.26]	URI [0.98]	ASD [1.31]
Nara	Congenital [0.43]	Neonatal [0.21]	F Body [0.93]	SIDS [0.25]	LRI [0.45]	Diarrhea [0.95]	Endocrine [0.33]	CMP [0.67]	Violence [0.62]	URI [1.01]
Niigata	Congenital [0.38]	Neonatal [0.19]	F Body [0.82]	SIDS [0.21]	LRI [0.29]	Diarrhea [0.79]	Endocrine [0.28]	URI [1.0]	CMP [0.51]	ASD [1.33]
Oita	Congenital [0.39]	Neonatal [0.23]	SIDS [0.24]	F Body [0.73]	LRI [0.35]	Diarrhea [1.04]	Endocrine [0.31]	CMP [0.57]	Violence [0.57]	URI [1.0]
Okayama	Congenital [0.35]	Neonatal [0.18]	F Body [0.84]	SIDS [0.23]	LRI [0.43]	Diarrhea [0.95]	Endocrine [0.29]	URI [1.0]	CMP [0.56]	ASD [1.34]
Okinawa	Congenital [0.28]	Neonatal [0.17]	SIDS [0.31]	F Body [0.54]	LRI [0.24]	Diarrhea [0.83]	Endocrine [0.33]	Violence [0.57]	Vit A [2.03]	URI [0.98]
Osaka	Congenital [0.43]	Neonatal [0.23]	F Body [0.95]	LRI [0.65]	SIDS [0.17]	Diarrhea [1.09]	Endocrine [0.35]	Violence [0.83]	CMP [0.74]	URI [1.02]
Saga	Congenital [0.26]	Neonatal [0.16]	F Body [0.67]	SIDS [0.21]	LRI [0.28]	Diarrhea [0.69]	Endocrine [0.26]	Vit A [2.52]	URI [0.99]	ASD [1.31]
Saitama	Congenital [0.44]	Neonatal [0.21]	SIDS [0.28]	F Body [0.69]	LRI [0.42]	Diarrhea [0.83]	Endocrine [0.32]	CMP [0.69]	URI [1.01]	Violence [0.52]
Shiga	Congenital [0.44]	Neonatal [0.25]	F Body [1.06]	SIDS [0.23]	LRI [0.48]	Diarrhea [1.34]	Endocrine [0.33]	URI [1.02]	CMP [0.61]	ASD [1.38]
Shimane	Congenital [0.3]	Neonatal [0.16]	SIDS [0.35]	F Body [0.67]	LRI [0.23]	Diarrhea [0.67]	Endocrine [0.27]	URI [0.98]	Iron [3.03]	ASD [1.32]
Shizuoka	Congenital [0.41]	Neonatal [0.22]	SIDS [0.29]	F Body [0.98]	LRI [0.39]	Diarrhea [0.95]	Endocrine [0.34]	Iron [5.34]	CMP [0.61]	URI [1.01]
Tochigi	Congenital [0.47]	Neonatal [0.24]	SIDS [0.28]	F Body [0.87]	LRI [0.5]	Diarrhea [0.99]	Endocrine [0.33]	CMP [0.7]	Iron [4.45]	URI [1.02]
Tokushima	Congenital [0.59]	Neonatal [0.34]	F Body [1.34]	LRI [0.64]	SIDS [0.31]	Diarrhea [1.34]	Endocrine [0.41]	CMP [0.84]	Violence [0.84]	Ileus [0.9]
Tokyo	Congenital [0.73]	Neonatal [0.37]	SIDS [0.29]	LRI [1.54]	F Body [1.27]	Diarrhea [1.68]	Endocrine [0.45]	CMP [1.17]	URI [1.08]	Violence [0.77]
Tottori	Congenital [0.41]	Neonatal [0.23]	SIDS [0.35]	F Body [0.81]	LRI [0.28]	Diarrhea [0.82]	Endocrine [0.35]	URI [0.98]	Violence [0.5]	CMP [0.48]
Toyama	Congenital [0.45]	Neonatal [0.23]	F Body [1.22]	SIDS [0.22]	LRI [0.54]	Diarrhea [1.15]	Endocrine [0.34]	CMP [0.61]	URI [1.02]	ASD [1.36]
Wakayama	Congenital [0.39]	Neonatal [0.21]	F Body [0.8]	SIDS [0.25]	LRI [0.31]	Diarrhea [0.76]	Endocrine [0.31]	Vit A [2.83]	Violence [0.62]	CMP [0.58]
Yamagata	Congenital [0.43]	Neonatal [0.24]	F Body [0.96]	SIDS [0.29]	LRI [0.32]	Diarrhea [0.74]	Endocrine [0.32]	Vit A [2.82]	CMP [0.61]	URI [0.99]
Yamaguchi	Congenital [0.4]	Neonatal [0.23]	SIDS [0.27]	F Body [0.86]	LRI [0.48]	Diarrhea [0.95]	Endocrine [0.35]	CMP [0.65]	Violence [0.65]	URI [1.0]
Yamanashi	Congenital [0.39]	Neonatal [0.21]	F Body [0.85]	SIDS [0.24]	LRI [0.38]	Diarrhea [1.0]	Endocrine [0.31]	CMP [0.58]	URI [1.01]	ASD [1.34]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
S Korea	Neonatal [0.62]	Congenital [0.37]	SIDS [0.34]	F Body [1.05]	LRI [0.39]	Endocrine [0.38]	Diarrhea [0.93]	Falls [1.44]	Road Inj [0.92]	Iron [6.39]
Singapore	Congenital [0.31]	Neonatal [0.2]	LRI [1.08]	Iron [9.47]	SIDS [0.08]	CMP [0.85]	Endocrine [0.23]	F Body [0.19]	URI [0.99]	Falls [1.1]
High-income North America	Neonatal [1.16]	Congenital [0.77]	SIDS [1.28]	F Body [2.55]	LRI [0.98]	Diarrhea [2.97]	Violence [2.93]	Endocrine [0.83]	Oth Un Inf [1.78]	CMP [1.57]
Canada	Neonatal [1.05]	Congenital [0.77]	SIDS [0.81]	F Body [1.19]	LRI [0.85]	Endocrine [1.15]	Diarrhea [1.8]	Oth Neuro [1.28]	Meningitis [0.99]	CKD [2.99]
Greenland	Neonatal [1.14]	Congenital [0.6]	SIDS [2.44]	LRI [0.7]	F Body [1.69]	Meningitis [1.54]	Diarrhea [2.08]	Violence [3.65]	Endocrine [0.92]	CMP [1.47]
USA	Neonatal [1.14]	Congenital [0.76]	SIDS [1.32]	F Body [2.59]	LRI [0.92]	Diarrhea [2.95]	Violence [3.08]	Endocrine [0.79]	Oth Un Inf [1.78]	CMP [1.57]
Alabama	Neonatal [1.37]	Congenital [0.91]	SIDS [2.27]	F Body [3.55]	LRI [1.02]	Diarrhea [3.91]	Violence [4.95]	Endocrine [0.92]	Oth Un Inf [2.29]	Road Inj [2.43]
Alaska	Neonatal [0.76]	Congenital [0.66]	SIDS [2.16]	F Body [5.18]	LRI [1.04]	Diarrhea [2.75]	Violence [3.02]	Endocrine [0.87]	Oth Un Inf [1.77]	CMP [1.62]
Arizona	Neonatal [0.79]	Congenital [0.67]	SIDS [1.0]	F Body [1.91]	LRI [0.69]	Diarrhea [2.88]	Violence [2.78]	Oth Un Inf [2.22]	Endocrine [0.73]	CMP [1.23]
Arkansas	Neonatal [0.96]	Congenital [0.8]	SIDS [2.84]	F Body [2.67]	LRI [0.87]	Violence [3.99]	Diarrhea [2.02]	Endocrine [0.8]	Road Inj [1.88]	Oth Un Inf [1.71]
California	Neonatal [0.91]	Congenital [0.67]	SIDS [1.02]	F Body [1.07]	LRI [0.67]	Violence [2.59]	Diarrhea [1.9]	Endocrine [0.66]	Oth Un Inf [1.5]	CMP [1.38]
Colorado	Neonatal [1.17]	Congenital [0.78]	SIDS [0.97]	F Body [2.51]	LRI [0.9]	Diarrhea [2.4]	Endocrine [0.71]	Violence [1.82]	Oth Un Inf [1.74]	Ileus [1.98]
Connecticut	Neonatal [1.41]	Congenital [0.63]	SIDS [0.98]	F Body [2.13]	Diarrhea [4.93]	LRI [1.38]	Endocrine [0.72]	Violence [1.89]	Oth Un Inf [1.73]	CMP [1.41]
Delaware	Neonatal [1.84]	Congenital [0.88]	SIDS [1.6]	F Body [2.56]	Diarrhea [5.56]	LRI [1.29]	Endocrine [1.23]	Violence [2.7]	Oth Un Inf [2.13]	CMP [1.98]
DC	Neonatal [3.06]	Congenital [1.42]	SIDS [2.98]	Violence [21.67]	F Body [6.57]	LRI [4.65]	Diarrhea [13.51]	Endocrine [2.53]	Oth Un Inf [6.12]	Meningitis [3.38]
Florida	Neonatal [1.32]	Congenital [0.82]	SIDS [1.21]	F Body [3.88]	Diarrhea [3.89]	LRI [0.96]	Violence [4.35]	Endocrine [0.83]	CMP [2.35]	Oth Un Inf [2.01]
Georgia	Neonatal [1.26]	Congenital [0.74]	SIDS [2.02]	F Body [2.7]	LRI [0.89]	Violence [3.91]	Diarrhea [2.67]	Endocrine [0.75]	Oth Un Inf [1.79]	CMP [1.63]
Hawaii	Neonatal [1.19]	Congenital [0.67]	SIDS [1.03]	F Body [2.42]	LRI [1.2]	Endocrine [0.85]	Oth Un Inf [2.04]	Diarrhea [1.58]	Violence [1.72]	CMP [1.6]
Idaho	Neonatal [0.67]	Congenital [0.57]	SIDS [1.25]	F Body [1.21]	LRI [0.38]	Diarrhea [1.34]	Endocrine [0.64]	Oth Un Inf [1.02]	Road Inj [1.01]	Ileus [1.11]
Illinois	Neonatal [1.39]	Congenital [0.78]	SIDS [0.93]	F Body [3.43]	LRI [1.18]	Violence [3.85]	Diarrhea [3.53]	Endocrine [0.77]	CMP [1.82]	Oth Un Inf [1.75]
Indiana	Neonatal [1.14]	Congenital [0.83]	SIDS [1.46]	F Body [3.44]	LRI [0.88]	Diarrhea [2.98]	Violence [3.05]	Endocrine [0.85]	CMP [1.57]	Oth Un Inf [1.66]
Iowa	Neonatal [0.7]	Congenital [0.63]	SIDS [1.44]	F Body [1.6]	LRI [0.73]	Diarrhea [2.09]	Endocrine [0.73]	Oth Un Inf [1.53]	CMP [1.05]	Road Inj [1.18]
Kansas	Neonatal [0.97]	Congenital [0.74]	SIDS [1.36]	F Body [2.09]	LRI [0.7]	Diarrhea [2.21]	Endocrine [0.76]	Violence [1.75]	Oth Un Inf [1.64]	CMP [1.12]
Kentucky	Neonatal [0.95]	Congenital [0.81]	SIDS [2.29]	F Body [2.72]	LRI [0.7]	Diarrhea [2.37]	Violence [2.5]	Endocrine [0.85]	Oth Un Inf [1.7]	CMP [1.35]
Louisiana	Neonatal [1.24]	Congenital [0.85]	SIDS [2.2]	F Body [5.13]	LRI [1.17]	Violence [5.77]	Diarrhea [2.89]	Endocrine [0.96]	CMP [2.19]	Oth Un Inf [2.03]
Maine	Neonatal [1.36]	Congenital [1.02]	SIDS [1.72]	F Body [3.16]	Diarrhea [5.81]	LRI [1.24]	Endocrine [1.22]	CMP [1.8]	Oth Un Inf [1.88]	Road Inj [1.92]
Maryland	Neonatal [1.83]	Congenital [0.86]	SIDS [1.78]	F Body [1.9]	Diarrhea [5.15]	LRI [1.37]	Violence [3.96]	Endocrine [1.04]	Oth Un Inf [2.44]	CMP [1.98]
Massachusetts	Neonatal [1.51]	Congenital [0.74]	SIDS [0.91]	F Body [1.72]	LRI [1.45]	Diarrhea [3.96]	Endocrine [0.75]	Oth Un Inf [1.72]	Violence [1.43]	CMP [1.25]
Michigan	Neonatal [1.4]	Congenital [0.83]	SIDS [1.24]	F Body [4.28]	LRI [1.08]	Violence [4.08]	Diarrhea [3.26]	Endocrine [0.91]	CMP [1.93]	Oth Un Inf [1.79]
Minnesota	Neonatal [1.03]	Congenital [0.84]	SIDS [0.95]	F Body [2.55]	LRI [1.04]	Diarrhea [2.58]	Endocrine [0.73]	Oth Un Inf [1.89]	Violence [1.22]	CMP [1.11]
Mississippi	Neonatal [1.28]	Congenital [0.92]	SIDS [2.18]	F Body [5.3]	LRI [1.02]	Violence [5.29]	Diarrhea [2.9]	Road Inj [2.64]	Endocrine [0.9]	CMP [2.28]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Missouri	Neonatal [1.07]	Congenital [0.76]	SIDS [1.14]	F Body [3.96]	LRI [0.8]	Violence [3.56]	Diarrhea [2.45]	Endocrine [0.73]	Oth Un Inf [1.62]	CMP [1.52]
Montana	Neonatal [0.92]	Congenital [0.86]	SIDS [1.93]	F Body [2.24]	LRI [1.0]	Diarrhea [2.51]	Endocrine [0.9]	Road Inj [1.98]	Oth Un Inf [1.74]	Violence [1.58]
Nebraska	Neonatal [0.91]	Congenital [0.72]	SIDS [1.38]	F Body [1.53]	LRI [0.7]	Endocrine [0.75]	Diarrhea [1.88]	Oth Un Inf [1.47]	Violence [1.14]	Road Inj [1.06]
Nevada	Neonatal [0.79]	Congenital [0.62]	SIDS [0.82]	F Body [1.81]	LRI [0.71]	Violence [3.0]	Diarrhea [2.22]	Endocrine [0.57]	CMP [1.26]	Oth Un Inf [1.16]
New Hampshire	Neonatal [1.26]	Congenital [0.77]	SIDS [1.11]	F Body [2.04]	Diarrhea [5.79]	LRI [1.24]	Endocrine [0.97]	Oth Un Inf [1.66]	CMP [1.37]	Ileus [2.13]
New Jersey	Neonatal [1.19]	Congenital [0.64]	SIDS [0.95]	F Body [1.72]	LRI [1.21]	Diarrhea [3.94]	Endocrine [0.82]	Violence [2.0]	Oth Un Inf [1.78]	CMP [1.45]
New Mexico	Neonatal [0.79]	Congenital [0.67]	SIDS [0.96]	F Body [1.51]	LRI [0.59]	Diarrhea [2.45]	Endocrine [0.86]	Violence [2.34]	Ileus [2.05]	Oth Un Inf [1.46]
New York	Neonatal [1.24]	Congenital [0.71]	SIDS [0.75]	F Body [2.01]	LRI [1.42]	Diarrhea [4.46]	Violence [3.34]	Endocrine [0.79]	Oth Un Inf [1.99]	CMP [1.73]
N Carolina	Neonatal [1.29]	Congenital [0.77]	SIDS [1.15]	F Body [2.58]	LRI [0.9]	Diarrhea [3.11]	Violence [3.37]	Endocrine [0.88]	CMP [1.75]	Oth Un Inf [1.78]
N Dakota	Neonatal [1.06]	Congenital [0.91]	SIDS [1.98]	F Body [2.38]	LRI [1.14]	Endocrine [1.12]	Diarrhea [2.53]	Oth Un Inf [1.97]	Road Inj [1.93]	CMP [1.38]
Ohio	Neonatal [1.35]	Congenital [0.87]	SIDS [1.61]	F Body [3.24]	LRI [0.93]	Diarrhea [3.09]	Violence [3.0]	Endocrine [0.93]	CMP [1.7]	Oth Un Inf [1.75]
Oklahoma	Neonatal [1.18]	Congenital [0.95]	SIDS [2.22]	F Body [2.55]	LRI [0.86]	Diarrhea [2.99]	Violence [3.73]	Endocrine [0.93]	Road Inj [1.99]	CMP [1.72]
Oregon	Neonatal [1.03]	Congenital [0.69]	SIDS [1.68]	F Body [2.01]	LRI [0.69]	Diarrhea [2.41]	Endocrine [0.93]	Violence [1.69]	Oth Un Inf [1.61]	Road Inj [1.32]
Pennsylvania	Neonatal [1.49]	Congenital [0.79]	SIDS [1.26]	F Body [2.68]	LRI [1.18]	Diarrhea [3.87]	Violence [2.73]	Endocrine [0.81]	CMP [1.67]	Oth Un Inf [1.7]
Rhode Island	Neonatal [1.69]	Congenital [0.83]	SIDS [0.96]	Diarrhea [6.71]	F Body [2.2]	LRI [1.19]	Endocrine [0.97]	Violence [1.92]	Oth Un Inf [1.76]	CMP [1.43]
S Carolina	Neonatal [1.31]	Congenital [0.74]	SIDS [1.61]	F Body [4.12]	LRI [0.79]	Violence [3.65]	Diarrhea [2.61]	Endocrine [0.86]	Oth Un Inf [1.82]	CMP [1.65]
S Dakota	Neonatal [0.9]	Congenital [0.82]	SIDS [1.81]	F Body [2.1]	LRI [1.01]	Diarrhea [3.08]	Endocrine [0.93]	Oth Un Inf [1.75]	Road Inj [1.88]	Violence [1.43]
Tennessee	Neonatal [0.96]	Congenital [0.8]	F Body [4.24]	SIDS [1.33]	LRI [0.9]	Diarrhea [2.94]	Violence [3.93]	Endocrine [0.81]	Oth Un Inf [1.85]	CMP [1.7]
Texas	Neonatal [0.85]	Congenital [0.69]	SIDS [1.34]	F Body [1.91]	LRI [0.59]	Violence [3.1]	Diarrhea [1.77]	Endocrine [0.63]	Oth Un Inf [1.7]	CMP [1.41]
Utah	Neonatal [0.65]	Congenital [0.58]	SIDS [0.96]	F Body [1.14]	LRI [0.45]	Endocrine [0.74]	Diarrhea [1.38]	Oth Un Inf [1.26]	Ileus [1.24]	Violence [0.75]
Vermont	Neonatal [1.22]	Congenital [0.85]	SIDS [1.03]	F Body [2.1]	Diarrhea [4.89]	LRI [1.06]	Endocrine [1.11]	Oth Un Inf [2.0]	CMP [1.34]	Ileus [2.1]
Virginia	Neonatal [1.35]	Congenital [0.82]	SIDS [1.61]	F Body [2.93]	LRI [1.31]	Diarrhea [4.06]	Violence [3.39]	Endocrine [0.8]	Oth Un Inf [2.03]	CMP [1.75]
Washington	Neonatal [0.96]	Congenital [0.74]	SIDS [1.57]	F Body [2.05]	LRI [0.8]	Diarrhea [2.49]	Endocrine [0.79]	Violence [1.78]	Oth Un Inf [1.6]	CMP [1.18]
W Virginia	Neonatal [1.05]	Congenital [0.82]	SIDS [2.37]	F Body [2.32]	LRI [0.75]	Diarrhea [2.96]	Endocrine [1.16]	Violence [2.55]	Oth Un Inf [1.64]	CMP [1.55]
Wisconsin	Neonatal [1.2]	Congenital [0.78]	SIDS [1.18]	F Body [2.18]	LRI [1.03]	Diarrhea [2.7]	Endocrine [0.78]	Violence [1.72]	Oth Un Inf [1.85]	CMP [1.42]
Wyoming	Neonatal [1.21]	Congenital [0.77]	SIDS [1.36]	F Body [2.32]	LRI [0.97]	Diarrhea [2.2]	Endocrine [0.86]	Oth Un Inf [1.74]	Road Inj [1.68]	Ileus [2.25]
Southern Latin America	Neonatal [0.67]	Congenital [0.69]	LRI [0.41]	STI [5.46]	F Body [0.96]	SIDS [0.66]	Diarrhea [0.84]	Meningitis [0.31]	Endocrine [0.6]	CMP [0.82]
Argentina	Neonatal [0.71]	Congenital [0.66]	LRI [0.41]	STI [6.26]	F Body [1.06]	SIDS [0.74]	Diarrhea [0.84]	Meningitis [0.33]	Endocrine [0.6]	CMP [1.01]
Chile	Neonatal [0.55]	Congenital [0.79]	LRI [0.3]	SIDS [0.42]	F Body [0.44]	Diarrhea [0.66]	Endocrine [0.57]	Meningitis [0.26]	STI [0.91]	Oth Neuro [0.68]
Uruguay	Neonatal [0.49]	Congenital [0.65]	LRI [0.36]	F Body [1.21]	STI [3.77]	SIDS [0.63]	Diarrhea [0.78]	PEM [2.77]	Endocrine [0.57]	Encepha [0.87]
Western Europe	Neonatal [0.61]	Congenital [0.48]	SIDS [0.49]	Endocrine [0.76]	LRI [0.4]	Diarrhea [1.17]	F Body [0.37]	Oth Neuro [0.8]	Meningitis [0.46]	Oth Un Inf [0.75]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Andorra	Neonatal [0.48]	Congenital [0.29]	SIDS [0.47]	LRI [0.44]	Diarrhea [1.36]	Endocrine [0.44]	Oth Un Inf [1.0]	URI [1.2]	F Body [0.26]	Hernia [0.91]
Austria	Neonatal [0.58]	Congenital [0.5]	SIDS [0.45]	Endocrine [1.04]	Diarrhea [1.36]	LRI [0.29]	F Body [0.36]	Hernia [1.99]	Oth Neuro [0.63]	Meningitis [0.42]
Belgium	Neonatal [0.66]	Congenital [0.5]	SIDS [0.75]	F Body [0.94]	Endocrine [0.93]	LRI [0.59]	Diarrhea [1.88]	Oth Neuro [0.93]	Oth Un Inf [1.44]	Meningitis [0.74]
Cyprus	Neonatal [0.62]	Congenital [0.28]	SIDS [0.58]	LRI [0.37]	Diarrhea [1.15]	Oth Neuro [0.78]	Hernia [2.11]	Endocrine [0.34]	F Body [0.29]	URI [1.12]
Denmark	Neonatal [0.98]	Congenital [0.71]	SIDS [0.35]	Endocrine [1.48]	Diarrhea [3.43]	LRI [1.15]	Oth Neuro [1.45]	F Body [0.48]	Meningitis [1.16]	Oth Un Inf [1.42]
Finland	Neonatal [0.43]	Congenital [0.43]	SIDS [0.46]	Endocrine [0.64]	Diarrhea [1.36]	Oth Neuro [0.76]	F Body [0.36]	URI [1.15]	LRI [0.2]	Ileus [1.24]
France	Neonatal [0.65]	Congenital [0.45]	SIDS [0.71]	Endocrine [0.97]	F Body [0.53]	Diarrhea [1.29]	LRI [0.28]	Oth Neuro [0.84]	Meningitis [0.6]	Oth Un Inf [0.95]
Germany	Neonatal [0.72]	Congenital [0.55]	SIDS [0.65]	Endocrine [0.67]	Diarrhea [1.56]	Oth Neuro [1.15]	LRI [0.32]	F Body [0.42]	Hernia [1.56]	Violence [0.77]
Greece	Neonatal [0.48]	Congenital [0.58]	LRI [0.47]	F Body [0.54]	SIDS [0.19]	Meningitis [0.38]	Endocrine [0.33]	ALS [3.24]	Diarrhea [0.47]	URI [1.12]
Iceland	Neonatal [0.35]	Congenital [0.36]	SIDS [0.4]	LRI [0.8]	Diarrhea [1.83]	Endocrine [0.35]	Oth Neuro [0.66]	Meningitis [0.65]	URI [1.17]	F Body [0.26]
Ireland	Neonatal [0.57]	Congenital [0.76]	SIDS [0.84]	Endocrine [0.77]	LRI [0.44]	Diarrhea [1.39]	ALS [2.16]	Meningitis [0.65]	URI [1.14]	Oth Un Inf [0.78]
Israel	Neonatal [0.38]	Congenital [0.41]	SIDS [0.4]	Endocrine [0.8]	LRI [0.24]	Diarrhea [0.89]	F Body [0.29]	Oth Neuro [0.57]	Oth Un Inf [0.68]	Meningitis [0.27]
Italy	Neonatal [0.53]	Congenital [0.38]	Endocrine [0.66]	LRI [0.32]	SIDS [0.11]	Diarrhea [0.88]	Oth Neuro [0.61]	F Body [0.2]	URI [1.17]	ALS [1.56]
Luxembourg	Neonatal [0.49]	Congenital [0.26]	SIDS [0.63]	Diarrhea [2.74]	LRI [0.68]	F Body [0.64]	Endocrine [0.57]	Oth Un Inf [1.58]	Hernia [1.67]	URI [1.21]
Malta	Neonatal [0.83]	Congenital [0.94]	LRI [0.74]	F Body [0.44]	Endocrine [0.56]	Oth Neuro [1.05]	SIDS [0.1]	Meningitis [0.46]	Diarrhea [0.58]	Hernia [1.97]
Netherlands	Neonatal [0.99]	Congenital [0.73]	SIDS [0.24]	Endocrine [0.98]	LRI [0.71]	Oth Neuro [1.28]	F Body [0.57]	Meningitis [1.26]	Diarrhea [1.35]	Oth Un Inf [1.37]
Norway	Neonatal [0.52]	Congenital [0.47]	Poison [98.41]	SIDS [0.34]	Road Inj [3.24]	Endocrine [0.63]	LRI [0.44]	F Body [0.33]	URI [1.28]	Diarrhea [0.89]
Portugal	Neonatal [0.32]	Congenital [0.27]	LRI [0.24]	F Body [0.37]	Endocrine [0.55]	Diarrhea [0.6]	SIDS [0.09]	Meningitis [0.19]	ALS [3.71]	URI [1.07]
Spain	Neonatal [0.44]	Congenital [0.33]	SIDS [0.29]	Endocrine [0.68]	LRI [0.24]	Diarrhea [0.74]	Oth Neuro [0.74]	F Body [0.24]	Meningitis [0.34]	URI [1.12]
Sweden	Neonatal [0.51]	Congenital [0.47]	SIDS [0.51]	LRI [0.45]	Diarrhea [1.41]	Endocrine [0.44]	Oth Neuro [0.58]	URI [1.21]	Oth Un Inf [0.77]	F Body [0.19]
Stockholm	Neonatal [0.5]	Congenital [0.55]	SIDS [0.38]	Endocrine [0.83]	Oth Neuro [1.27]	Diarrhea [1.67]	LRI [0.5]	Oth Un Inf [1.24]	URI [1.23]	Meningitis [0.64]
Sweden w/o Stockholm	Neonatal [0.5]	Congenital [0.45]	SIDS [0.54]	LRI [0.43]	Diarrhea [1.32]	Endocrine [0.33]	URI [1.2]	CMP [0.61]	Oth Un Inf [0.65]	Oth Neuro [0.39]
Switzerland	Neonatal [0.81]	Congenital [0.71]	SIDS [0.3]	Diarrhea [3.01]	Endocrine [0.71]	LRI [0.49]	Oth Neuro [0.68]	Oth Un Inf [0.89]	URI [1.18]	F Body [0.22]
UK	Neonatal [0.73]	Congenital [0.53]	SIDS [0.66]	LRI [0.61]	Endocrine [0.77]	Diarrhea [1.06]	Meningitis [0.56]	Oth Neuro [0.82]	F Body [0.32]	Oth Un Inf [1.01]
England	Neonatal [0.76]	Congenital [0.54]	SIDS [0.66]	LRI [0.67]	Endocrine [0.8]	Diarrhea [1.11]	Oth Neuro [0.85]	Meningitis [0.59]	F Body [0.33]	Oth Un Inf [1.05]
E Midlands	Neonatal [0.73]	Congenital [0.51]	SIDS [0.58]	LRI [0.49]	Endocrine [0.79]	Diarrhea [0.92]	F Body [0.31]	Meningitis [0.48]	Oth Neuro [0.8]	Oth Un Inf [0.9]
Derby	Neonatal [0.98]	Congenital [0.68]	SIDS [0.74]	LRI [0.85]	Endocrine [0.97]	Meningitis [0.74]	F Body [0.39]	Diarrhea [1.01]	Oth Neuro [0.84]	Oth Un Inf [1.15]
Derbyshire	Neonatal [0.53]	Congenital [0.4]	SIDS [0.55]	LRI [0.35]	Endocrine [0.6]	Diarrhea [0.75]	F Body [0.28]	Oth Neuro [0.8]	Meningitis [0.38]	Oth Un Inf [0.63]
Leicester	Neonatal [1.04]	Congenital [0.72]	SIDS [0.83]	LRI [0.82]	Endocrine [1.01]	Diarrhea [1.21]	Oth Neuro [0.99]	Meningitis [0.64]	F Body [0.38]	Oth Un Inf [1.16]
Leicestershire	Neonatal [0.77]	Congenital [0.51]	SIDS [0.47]	LRI [0.53]	Endocrine [0.79]	Diarrhea [0.99]	Oth Neuro [0.71]	Oth Un Inf [0.93]	Meningitis [0.41]	F Body [0.22]
Lincolnshire	Neonatal [0.53]	Congenital [0.4]	SIDS [0.56]	LRI [0.29]	Endocrine [0.68]	Diarrhea [0.64]	Oth Neuro [0.71]	F Body [0.22]	Meningitis [0.32]	Iron [3.78]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Northamptonshire	Neonatal [0.75]	Congenital [0.51]	SIDS [0.58]	LRI [0.47]	Endocrine [0.76]	Diarrhea [1.04]	F Body [0.32]	Meningitis [0.46]	Oth Neuro [0.7]	Oth Un Inf [0.92]
Nottingham	Neonatal [1.12]	Congenital [0.73]	SIDS [0.46]	LRI [1.08]	Endocrine [1.1]	F Body [0.6]	Meningitis [0.96]	Diarrhea [1.41]	Oth Un Inf [1.66]	Oth Neuro [1.04]
Nottinghamshire	Neonatal [0.64]	Congenital [0.47]	SIDS [0.57]	LRI [0.38]	Endocrine [0.75]	F Body [0.31]	Diarrhea [0.74]	Oth Neuro [0.84]	Meningitis [0.41]	Oth Un Inf [0.78]
Rutland	Neonatal [0.29]	Congenital [0.28]	SIDS [0.52]	LRI [0.25]	Endocrine [0.48]	Diarrhea [0.69]	Meningitis [0.34]	Oth Neuro [0.49]	URI [1.13]	F Body [0.16]
E England	Neonatal [0.62]	Congenital [0.44]	SIDS [0.57]	LRI [0.45]	Endocrine [0.7]	Diarrhea [0.89]	Oth Neuro [0.75]	F Body [0.28]	Meningitis [0.41]	Oth Un Inf [0.87]
Bedford	Neonatal [0.79]	Congenital [0.54]	SIDS [0.7]	LRI [0.54]	Endocrine [0.83]	F Body [0.48]	Oth Neuro [1.21]	Diarrhea [1.08]	Oth Un Inf [1.13]	Meningitis [0.45]
Cambridgeshire	Neonatal [0.74]	Congenital [0.5]	SIDS [0.52]	LRI [0.6]	Endocrine [0.77]	Diarrhea [1.3]	F Body [0.38]	Oth Neuro [0.74]	Oth Un Inf [0.99]	Meningitis [0.51]
Cen Bedfordshire	Neonatal [0.46]	Congenital [0.35]	SIDS [0.51]	LRI [0.36]	Endocrine [0.57]	Diarrhea [0.91]	F Body [0.27]	Oth Neuro [0.69]	Oth Un Inf [0.93]	Meningitis [0.34]
Essex	Neonatal [0.58]	Congenital [0.41]	SIDS [0.55]	LRI [0.36]	Endocrine [0.69]	Diarrhea [0.71]	Oth Neuro [0.69]	Meningitis [0.37]	Oth Un Inf [0.84]	F Body [0.22]
Hertfordshire	Neonatal [0.64]	Congenital [0.43]	SIDS [0.48]	LRI [0.62]	Endocrine [0.6]	Diarrhea [1.17]	Oth Neuro [0.65]	F Body [0.29]	Oth Un Inf [0.9]	Meningitis [0.45]
Luton	Neonatal [0.99]	Congenital [0.73]	SIDS [0.78]	LRI [0.76]	Endocrine [1.15]	F Body [0.46]	Oth Neuro [1.15]	Diarrhea [1.1]	Meningitis [0.61]	Oth Un Inf [1.19]
Norfolk	Neonatal [0.62]	Congenital [0.47]	SIDS [0.67]	LRI [0.36]	Endocrine [0.73]	Diarrhea [0.79]	Oth Neuro [0.87]	F Body [0.26]	Meningitis [0.4]	Oth Un Inf [0.86]
Peterborough	Neonatal [0.61]	Congenital [0.42]	SIDS [0.64]	LRI [0.39]	Endocrine [0.78]	Diarrhea [0.84]	Oth Neuro [0.85]	F Body [0.27]	Oth Un Inf [0.83]	Meningitis [0.31]
Southend-on-Sea	Neonatal [0.47]	Congenital [0.37]	SIDS [0.57]	LRI [0.31]	Endocrine [0.61]	Diarrhea [0.56]	Meningitis [0.33]	Oth Neuro [0.57]	Iron [3.58]	F Body [0.17]
Suffolk	Neonatal [0.5]	Congenital [0.39]	SIDS [0.63]	LRI [0.32]	Endocrine [0.65]	Diarrhea [0.7]	Oth Neuro [0.71]	F Body [0.24]	Meningitis [0.33]	Oth Un Inf [0.74]
Thurrock	Neonatal [0.45]	Congenital [0.34]	SIDS [0.52]	LRI [0.28]	Endocrine [0.66]	Meningitis [0.35]	Diarrhea [0.51]	Oth Neuro [0.61]	F Body [0.19]	Oth Un Inf [0.58]
Greater London	Neonatal [0.9]	Congenital [0.57]	SIDS [0.64]	LRI [1.38]	Endocrine [0.86]	Diarrhea [1.71]	Meningitis [1.07]	Oth Un Inf [1.52]	Oth Neuro [0.87]	F Body [0.44]
Barking & Dagenham	Neonatal [0.54]	Congenital [0.41]	SIDS [0.66]	LRI [0.4]	Endocrine [0.61]	Diarrhea [0.65]	Meningitis [0.35]	F Body [0.24]	Oth Neuro [0.64]	Oth Un Inf [0.66]
Barnet	Neonatal [0.52]	Congenital [0.38]	SIDS [0.57]	LRI [0.73]	Endocrine [0.66]	Diarrhea [1.03]	Oth Neuro [0.81]	F Body [0.3]	Meningitis [0.56]	Oth Un Inf [0.93]
Bexley	Neonatal [0.46]	Congenital [0.35]	SIDS [0.57]	LRI [0.38]	Endocrine [0.68]	Oth Neuro [0.86]	Diarrhea [0.74]	Meningitis [0.43]	F Body [0.2]	Oth Un Inf [0.74]
Brent	Neonatal [0.73]	Congenital [0.51]	SIDS [0.71]	LRI [0.79]	Endocrine [0.76]	Oth Neuro [1.05]	Diarrhea [1.07]	F Body [0.39]	Meningitis [0.68]	Oth Un Inf [1.19]
Bromley	Neonatal [0.5]	Congenital [0.36]	SIDS [0.38]	LRI [0.44]	Endocrine [0.57]	Diarrhea [0.83]	Oth Neuro [0.66]	Meningitis [0.46]	Oth Un Inf [0.84]	URI [1.16]
Camden	Neonatal [0.94]	Congenital [0.51]	SIDS [0.58]	LRI [1.93]	Endocrine [0.8]	Diarrhea [1.97]	F Body [0.59]	Oth Un Inf [1.88]	Meningitis [1.48]	URI [1.44]
Croydon	Neonatal [0.62]	Congenital [0.44]	SIDS [0.52]	LRI [0.49]	Endocrine [0.63]	Diarrhea [0.77]	Meningitis [0.49]	Oth Neuro [0.76]	F Body [0.27]	Oth Un Inf [0.91]
Ealing	Neonatal [0.59]	Congenital [0.39]	SIDS [0.5]	LRI [0.81]	Endocrine [0.63]	Diarrhea [1.21]	Oth Un Inf [1.23]	Oth Neuro [0.67]	F Body [0.28]	Meningitis [0.5]
Enfield	Neonatal [0.66]	Congenital [0.44]	SIDS [0.67]	LRI [0.59]	Endocrine [0.66]	Diarrhea [0.96]	Meningitis [0.57]	Oth Neuro [0.81]	F Body [0.27]	CMP [0.83]
Greenwich	Neonatal [0.78]	Congenital [0.5]	SIDS [0.61]	LRI [0.5]	Endocrine [0.62]	Meningitis [0.57]	Diarrhea [0.88]	Oth Un Inf [0.91]	Oth Neuro [0.65]	F Body [0.22]
Hackney	Neonatal [1.18]	Congenital [0.69]	SIDS [0.97]	LRI [1.7]	Endocrine [1.31]	Diarrhea [2.14]	Meningitis [1.47]	F Body [0.68]	Oth Un Inf [2.21]	Oth Neuro [1.08]
Hammersmith & Fulham	Neonatal [0.95]	Congenital [0.55]	SIDS [0.62]	LRI [1.66]	Endocrine [0.89]	Diarrhea [2.17]	Meningitis [1.55]	Oth Un Inf [1.88]	F Body [0.53]	Oth Neuro [0.65]
Haringey	Neonatal [0.75]	Congenital [0.47]	SIDS [0.71]	LRI [0.81]	Endocrine [0.83]	Meningitis [0.82]	Diarrhea [1.25]	Oth Un Inf [1.49]	F Body [0.39]	Oth Neuro [0.82]
Harrow	Neonatal [0.86]	Congenital [0.55]	SIDS [0.63]	LRI [0.63]	Endocrine [0.88]	Diarrhea [1.08]	Meningitis [0.68]	Oth Neuro [0.8]	Oth Un Inf [1.14]	CMP [0.88]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Havering	Neonatal [0.42]	Congenital [0.32]	SIDS [0.4]	LRI [0.35]	Endocrine [0.51]	Diarrhea [0.63]	Meningitis [0.33]	F Body [0.2]	Oth Neuro [0.53]	URI [1.2]
Hillingdon	Neonatal [0.67]	Congenital [0.49]	SIDS [0.52]	LRI [0.99]	Endocrine [0.75]	Diarrhea [1.67]	Oth Neuro [0.84]	Meningitis [0.67]	F Body [0.3]	Oth Un Inf [1.01]
Hounslow	Neonatal [0.85]	Congenital [0.55]	SIDS [0.6]	LRI [1.04]	Endocrine [0.83]	Diarrhea [1.68]	Oth Un Inf [1.44]	Meningitis [0.8]	Oth Neuro [0.76]	F Body [0.32]
Islington	Neonatal [0.86]	Congenital [0.51]	SIDS [0.69]	LRI [1.89]	Endocrine [0.77]	Diarrhea [2.1]	F Body [0.68]	Oth Un Inf [1.73]	Meningitis [1.19]	Oth Neuro [0.68]
Kensington & Chelsea	Neonatal [0.73]	Congenital [0.42]	SIDS [0.57]	LRI [1.58]	Endocrine [0.75]	Diarrhea [2.09]	F Body [0.64]	Oth Un Inf [1.84]	Oth Neuro [0.87]	Meningitis [1.2]
Kingston upon Thames	Neonatal [0.78]	Congenital [0.53]	SIDS [0.73]	LRI [1.27]	Endocrine [0.87]	Diarrhea [1.7]	Oth Neuro [0.95]	Meningitis [0.93]	F Body [0.38]	Oth Un Inf [1.13]
Lambeth	Neonatal [1.2]	Congenital [0.71]	SIDS [0.93]	LRI [1.96]	Endocrine [1.04]	Oth Un Inf [2.81]	Meningitis [1.5]	F Body [0.66]	Diarrhea [1.79]	Oth Neuro [1.03]
Lewisham	Neonatal [0.81]	Congenital [0.47]	SIDS [0.65]	LRI [0.8]	Endocrine [0.71]	Diarrhea [0.93]	Oth Neuro [0.73]	Oth Un Inf [1.05]	Meningitis [0.45]	F Body [0.25]
Merton	Neonatal [0.7]	Congenital [0.48]	SIDS [0.61]	LRI [0.81]	Endocrine [0.77]	Diarrhea [1.27]	Oth Neuro [0.81]	Oth Un Inf [1.19]	Meningitis [0.65]	F Body [0.31]
Newham	Neonatal [0.66]	Congenital [0.48]	SIDS [0.6]	LRI [0.8]	Endocrine [0.91]	Diarrhea [1.3]	Meningitis [0.79]	Oth Un Inf [1.58]	F Body [0.37]	Oth Neuro [0.92]
Redbridge	Neonatal [0.45]	Congenital [0.34]	SIDS [0.46]	LRI [0.46]	Endocrine [0.59]	Diarrhea [0.8]	Meningitis [0.43]	Oth Neuro [0.68]	F Body [0.24]	Oth Un Inf [0.65]
Richmond upon Thames	Neonatal [0.58]	Congenital [0.41]	SIDS [0.33]	LRI [0.82]	Endocrine [0.55]	Diarrhea [1.39]	Oth Un Inf [1.05]	URI [1.29]	Meningitis [0.65]	Oth Neuro [0.56]
Southwark	Neonatal [1.22]	Congenital [0.65]	SIDS [0.67]	LRI [1.76]	Endocrine [0.92]	Oth Un Inf [2.09]	Diarrhea [1.79]	Meningitis [1.25]	F Body [0.46]	Oth Neuro [0.73]
Sutton	Neonatal [0.52]	Congenital [0.46]	SIDS [0.57]	LRI [0.59]	Endocrine [0.68]	Diarrhea [1.01]	Oth Neuro [0.85]	F Body [0.31]	Meningitis [0.52]	Oth Un Inf [1.08]
Tower Hamlets	Neonatal [1.23]	Congenital [0.78]	SIDS [0.69]	LRI [2.06]	Endocrine [1.14]	Meningitis [1.73]	Diarrhea [2.24]	F Body [0.64]	Oth Un Inf [1.87]	Oth Neuro [0.92]
Waltham Forest	Neonatal [0.52]	Congenital [0.38]	SIDS [0.57]	LRI [0.52]	Endocrine [0.66]	Diarrhea [0.86]	F Body [0.29]	Oth Neuro [0.82]	Meningitis [0.42]	Oth Un Inf [0.76]
Wandsworth	Neonatal [0.89]	Congenital [0.52]	SIDS [0.5]	LRI [1.44]	Endocrine [0.74]	Diarrhea [1.73]	Oth Neuro [0.96]	Oth Un Inf [1.71]	Meningitis [1.15]	F Body [0.37]
Westminster	Neonatal [0.93]	Congenital [0.49]	SIDS [0.55]	LRI [1.58]	Endocrine [0.83]	Diarrhea [2.21]	Oth Un Inf [2.08]	Meningitis [1.45]	F Body [0.57]	Oth Neuro [0.69]
NE England	Neonatal [0.56]	Congenital [0.42]	SIDS [0.72]	LRI [0.42]	Endocrine [0.65]	Diarrhea [0.83]	Oth Neuro [0.82]	F Body [0.26]	Meningitis [0.39]	Oth Un Inf [0.74]
County Durham	Neonatal [0.59]	Congenital [0.45]	SIDS [0.81]	LRI [0.37]	Endocrine [0.68]	Diarrhea [0.73]	Oth Neuro [0.93]	Meningitis [0.38]	F Body [0.24]	Oth Un Inf [0.68]
Darlington	Neonatal [0.6]	Congenital [0.41]	SIDS [0.67]	LRI [0.34]	Endocrine [0.63]	Oth Neuro [0.78]	Diarrhea [0.69]	Meningitis [0.43]	Oth Un Inf [0.74]	URI [1.19]
Gateshead	Neonatal [0.68]	Congenital [0.48]	SIDS [0.92]	LRI [0.55]	Endocrine [0.74]	Diarrhea [0.89]	Oth Neuro [0.94]	F Body [0.33]	Meningitis [0.41]	Oth Un Inf [0.86]
Hartlepool	Neonatal [0.53]	Congenital [0.35]	SIDS [0.66]	LRI [0.29]	Endocrine [0.55]	F Body [0.3]	Diarrhea [0.61]	Meningitis [0.28]	Oth Neuro [0.61]	Oth Un Inf [0.56]
Middlesbrough	Neonatal [0.59]	Congenital [0.46]	SIDS [0.85]	LRI [0.54]	Endocrine [0.67]	Diarrhea [0.82]	Oth Neuro [0.98]	Meningitis [0.41]	Oth Un Inf [1.0]	F Body [0.24]
Newcastle upon Tyne	Neonatal [0.7]	Congenital [0.51]	SIDS [0.8]	LRI [0.91]	Endocrine [0.88]	Diarrhea [1.56]	F Body [0.48]	Oth Neuro [0.98]	Meningitis [0.82]	Oth Un Inf [1.1]
N Tyneside	Neonatal [0.44]	Congenital [0.34]	SIDS [0.59]	LRI [0.33]	Diarrhea [0.97]	Endocrine [0.53]	F Body [0.22]	Oth Neuro [0.61]	Meningitis [0.31]	Oth Un Inf [0.67]
Northumberland	Neonatal [0.46]	Congenital [0.41]	SIDS [0.5]	LRI [0.28]	Endocrine [0.6]	Diarrhea [0.63]	F Body [0.26]	Oth Neuro [0.68]	Meningitis [0.31]	Iron [3.95]
Redcar & Cleveland	Neonatal [0.42]	Congenital [0.31]	SIDS [0.64]	LRI [0.24]	Endocrine [0.44]	Diarrhea [0.49]	Oth Neuro [0.61]	Meningitis [0.23]	Oth Un Inf [0.58]	F Body [0.14]
S Tyneside	Neonatal [0.36]	Congenital [0.31]	SIDS [0.53]	LRI [0.22]	Endocrine [0.5]	Diarrhea [0.58]	F Body [0.2]	Oth Neuro [0.61]	Meningitis [0.21]	Oth Un Inf [0.51]
Stockton-on-Tees	Neonatal [0.62]	Congenital [0.43]	SIDS [0.7]	LRI [0.44]	Endocrine [0.64]	Diarrhea [0.81]	Oth Neuro [0.81]	Meningitis [0.35]	URI [1.23]	F Body [0.16]
Sunderland	Neonatal [0.53]	Congenital [0.39]	SIDS [0.77]	LRI [0.44]	Endocrine [0.67]	Diarrhea [0.93]	F Body [0.32]	Meningitis [0.48]	Oth Neuro [0.92]	Oth Un Inf [0.78]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
NW England	Neonatal [0.8]	Congenital [0.59]	SIDS [0.77]	LRI [0.68]	Endocrine [0.85]	Diarrhea [1.06]	Meningitis [0.61]	F Body [0.37]	Oth Neuro [0.97]	Oth Un Inf [1.03]
Blackburn with Darwen	Neonatal [0.69]	Congenital [0.5]	SIDS [0.91]	LRI [0.41]	Endocrine [0.84]	Diarrhea [0.73]	Oth Neuro [1.06]	Meningitis [0.4]	Oth Un Inf [0.83]	CMP [0.76]
Blackpool	Neonatal [0.61]	Congenital [0.47]	SIDS [1.1]	LRI [0.38]	Endocrine [0.77]	F Body [0.34]	Meningitis [0.37]	Diarrhea [0.5]	Oth Neuro [0.91]	CMP [0.67]
Bolton	Neonatal [0.6]	Congenital [0.46]	SIDS [0.82]	LRI [0.46]	Endocrine [0.8]	Meningitis [0.5]	Oth Neuro [0.93]	Diarrhea [0.62]	F Body [0.24]	Oth Un Inf [0.73]
Bury	Neonatal [0.67]	Congenital [0.52]	SIDS [0.65]	LRI [0.47]	Endocrine [0.77]	F Body [0.36]	Diarrhea [0.82]	Oth Neuro [0.89]	Meningitis [0.37]	Oth Un Inf [0.89]
Cheshire E	Neonatal [0.8]	Congenital [0.55]	SIDS [0.53]	LRI [0.78]	Endocrine [0.76]	Diarrhea [1.36]	Oth Neuro [0.89]	F Body [0.39]	Meningitis [0.64]	Oth Un Inf [1.02]
Cheshire W & Chester	Neonatal [0.78]	Congenital [0.57]	SIDS [0.62]	LRI [0.76]	Endocrine [0.84]	Diarrhea [1.35]	F Body [0.46]	Meningitis [0.7]	Oth Neuro [0.83]	Oth Un Inf [1.02]
Cumbria	Neonatal [0.64]	Congenital [0.49]	SIDS [0.71]	LRI [0.41]	Endocrine [0.66]	Diarrhea [0.95]	Oth Neuro [0.98]	F Body [0.32]	Meningitis [0.46]	Oth Un Inf [0.94]
Halton	Neonatal [0.63]	Congenital [0.43]	SIDS [0.68]	LRI [0.48]	Endocrine [0.68]	Diarrhea [0.97]	Meningitis [0.57]	Oth Neuro [0.82]	F Body [0.29]	Oth Un Inf [0.77]
Knowsley	Neonatal [0.51]	Congenital [0.41]	SIDS [0.71]	LRI [0.46]	Endocrine [0.65]	Diarrhea [0.82]	F Body [0.26]	Meningitis [0.39]	Oth Neuro [0.73]	Oth Un Inf [0.66]
Lancashire	Neonatal [0.8]	Congenital [0.61]	SIDS [0.67]	LRI [0.68]	Endocrine [0.83]	F Body [0.41]	Meningitis [0.65]	Diarrhea [1.01]	Oth Neuro [1.01]	Oth Un Inf [0.98]
Liverpool	Neonatal [1.09]	Congenital [0.75]	SIDS [0.93]	LRI [1.2]	Endocrine [1.05]	Diarrhea [1.51]	Meningitis [0.86]	Oth Neuro [1.16]	F Body [0.45]	Oth Un Inf [1.37]
Manchester	Neonatal [1.4]	Congenital [0.91]	SIDS [0.96]	LRI [1.77]	Endocrine [1.26]	Diarrhea [2.03]	Meningitis [1.27]	Oth Un Inf [1.99]	F Body [0.58]	Oth Neuro [1.16]
Oldham	Neonatal [0.79]	Congenital [0.6]	SIDS [0.85]	LRI [0.35]	Endocrine [0.9]	Meningitis [0.49]	Oth Neuro [1.19]	F Body [0.29]	Diarrhea [0.62]	Oth Un Inf [0.79]
Rochdale	Neonatal [0.59]	Congenital [0.47]	SIDS [0.91]	LRI [0.43]	Endocrine [0.79]	Oth Neuro [1.25]	Meningitis [0.45]	Diarrhea [0.64]	F Body [0.29]	Oth Un Inf [0.83]
Salford	Neonatal [0.82]	Congenital [0.66]	SIDS [0.89]	LRI [0.89]	Endocrine [1.06]	Oth Neuro [1.25]	F Body [0.46]	Diarrhea [1.19]	Meningitis [0.72]	Oth Un Inf [1.48]
Sefton	Neonatal [0.67]	Congenital [0.5]	SIDS [0.82]	LRI [0.4]	Endocrine [0.73]	Diarrhea [0.68]	Meningitis [0.4]	F Body [0.27]	Oth Neuro [0.81]	Oth Un Inf [0.91]
St Helens	Neonatal [0.51]	Congenital [0.4]	SIDS [0.58]	LRI [0.41]	Endocrine [0.65]	Diarrhea [0.73]	F Body [0.27]	Oth Neuro [0.72]	Meningitis [0.28]	Oth Un Inf [0.74]
Stockport	Neonatal [0.9]	Congenital [0.67]	SIDS [0.79]	LRI [0.74]	Endocrine [0.97]	Diarrhea [1.23]	Oth Neuro [1.07]	F Body [0.41]	Meningitis [0.63]	Oth Un Inf [1.02]
Tameside	Neonatal [0.5]	Congenital [0.42]	SIDS [0.72]	LRI [0.34]	Endocrine [0.62]	Diarrhea [0.74]	Meningitis [0.43]	F Body [0.25]	Oth Neuro [0.75]	Oth Un Inf [0.61]
Trafford	Neonatal [0.8]	Congenital [0.5]	SIDS [0.53]	LRI [0.74]	Endocrine [0.8]	Diarrhea [1.34]	Oth Neuro [0.83]	F Body [0.36]	Meningitis [0.69]	Oth Un Inf [1.15]
Warrington	Neonatal [0.92]	Congenital [0.61]	SIDS [0.74]	LRI [1.01]	Endocrine [0.7]	Diarrhea [1.29]	Meningitis [0.69]	F Body [0.35]	Oth Neuro [0.76]	Oth Un Inf [1.09]
Wigan	Neonatal [0.54]	Congenital [0.42]	SIDS [0.74]	LRI [0.37]	Endocrine [0.62]	Diarrhea [0.62]	F Body [0.24]	Meningitis [0.32]	Oth Neuro [0.56]	Oth Un Inf [0.66]
Wirral	Neonatal [0.67]	Congenital [0.55]	SIDS [0.91]	LRI [0.48]	Endocrine [0.9]	F Body [0.34]	Diarrhea [0.75]	Oth Neuro [0.96]	Meningitis [0.43]	Oth Un Inf [0.84]
SE England	Neonatal [0.65]	Congenital [0.46]	SIDS [0.59]	LRI [0.54]	Endocrine [0.67]	Diarrhea [0.99]	Oth Neuro [0.67]	Meningitis [0.49]	F Body [0.25]	Oth Un Inf [0.9]
Bracknell Forest	Neonatal [0.42]	Congenital [0.34]	SIDS [0.43]	LRI [0.53]	Endocrine [0.51]	Diarrhea [0.96]	F Body [0.31]	Oth Neuro [0.53]	URI [1.22]	Oth Un Inf [0.71]
Brighton & Hove	Neonatal [1.05]	Congenital [0.7]	SIDS [0.8]	LRI [1.13]	Endocrine [0.99]	Meningitis [1.16]	F Body [0.55]	Oth Un Inf [1.73]	Diarrhea [1.42]	Oth Neuro [0.81]
Buckinghamshire	Neonatal [0.85]	Congenital [0.6]	SIDS [0.53]	LRI [0.73]	Endocrine [0.83]	Diarrhea [1.24]	Meningitis [0.71]	F Body [0.37]	Oth Neuro [0.76]	Oth Un Inf [1.19]
E Sussex	Neonatal [0.5]	Congenital [0.43]	SIDS [0.65]	LRI [0.29]	Endocrine [0.53]	Diarrhea [0.59]	Oth Neuro [0.6]	Meningitis [0.28]	Oth Un Inf [0.7]	CMP [0.64]
Hampshire	Neonatal [0.61]	Congenital [0.42]	SIDS [0.53]	LRI [0.4]	Endocrine [0.63]	Diarrhea [0.92]	Oth Neuro [0.61]	Oth Un Inf [0.8]	F Body [0.22]	Meningitis [0.36]
Isle of Wight	Neonatal [0.28]	Congenital [0.26]	SIDS [0.5]	LRI [0.2]	Endocrine [0.44]	Diarrhea [0.55]	Oth Neuro [0.52]	F Body [0.16]	URI [1.15]	Meningitis [0.2]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Kent	Neonatal [0.55]	Congenital [0.4]	SIDS [0.69]	LRI [0.38]	Endocrine [0.63]	Diarrhea [0.73]	Meningitis [0.4]	Oth Neuro [0.66]	F Body [0.21]	Oth Un Inf [0.75]
Medway	Neonatal [0.55]	Congenital [0.42]	SIDS [0.53]	LRI [0.28]	Endocrine [0.55]	Oth Neuro [0.73]	Diarrhea [0.55]	Meningitis [0.35]	URI [1.21]	F Body [0.15]
Milton Keynes	Neonatal [0.94]	Congenital [0.58]	SIDS [0.75]	LRI [0.86]	Endocrine [0.77]	Diarrhea [1.25]	Meningitis [0.6]	Oth Un Inf [1.02]	F Body [0.28]	Oth Neuro [0.6]
Oxfordshire	Neonatal [0.73]	Congenital [0.51]	SIDS [0.55]	LRI [0.73]	Endocrine [0.78]	Diarrhea [1.34]	Oth Neuro [0.78]	Meningitis [0.7]	Oth Un Inf [1.18]	F Body [0.28]
Portsmouth	Neonatal [0.56]	Congenital [0.37]	SIDS [0.71]	LRI [0.53]	Endocrine [0.69]	Diarrhea [0.97]	Meningitis [0.49]	Oth Neuro [0.6]	F Body [0.22]	URI [1.18]
Reading	Neonatal [0.99]	Congenital [0.62]	SIDS [0.53]	LRI [1.27]	Endocrine [0.93]	Diarrhea [1.56]	Oth Un Inf [1.41]	Meningitis [0.78]	Oth Neuro [0.68]	F Body [0.31]
Slough	Neonatal [0.89]	Congenital [0.64]	SIDS [0.56]	LRI [1.04]	Endocrine [0.87]	Diarrhea [1.28]	Meningitis [0.79]	F Body [0.42]	Oth Un Inf [1.12]	Oth Neuro [0.65]
Southampton	Neonatal [0.76]	Congenital [0.54]	SIDS [0.81]	LRI [0.64]	Endocrine [0.8]	Diarrhea [1.19]	F Body [0.37]	Oth Neuro [0.74]	Meningitis [0.5]	Oth Un Inf [0.91]
Surrey	Neonatal [0.66]	Congenital [0.47]	SIDS [0.47]	LRI [0.74]	Endocrine [0.61]	Diarrhea [1.26]	Oth Neuro [0.64]	Meningitis [0.54]	URI [1.25]	Oth Un Inf [0.9]
West Berkshire	Neonatal [0.64]	Congenital [0.48]	SIDS [0.52]	LRI [0.64]	Endocrine [0.66]	Diarrhea [1.16]	Meningitis [0.63]	Oth Un Inf [1.02]	F Body [0.28]	Oth Neuro [0.62]
W Sussex	Neonatal [0.56]	Congenital [0.42]	SIDS [0.6]	LRI [0.43]	Endocrine [0.61]	Diarrhea [0.89]	Oth Neuro [0.8]	Meningitis [0.47]	Oth Un Inf [0.87]	F Body [0.23]
Windsor & Maidenhead	Neonatal [0.8]	Congenital [0.58]	SIDS [0.55]	LRI [1.14]	Endocrine [0.72]	Diarrhea [1.58]	Oth Neuro [0.81]	F Body [0.36]	Oth Un Inf [1.17]	URI [1.29]
Wokingham	Neonatal [0.71]	Congenital [0.54]	SIDS [0.49]	LRI [0.84]	Endocrine [0.67]	Diarrhea [1.29]	Oth Un Inf [1.3]	Oth Neuro [0.75]	F Body [0.31]	Meningitis [0.56]
SW England	Neonatal [0.59]	Congenital [0.45]	SIDS [0.66]	LRI [0.43]	Endocrine [0.65]	Diarrhea [0.91]	Oth Neuro [0.75]	Meningitis [0.42]	F Body [0.25]	Oth Un Inf [0.87]
Bath & NE Somerset	Neonatal [0.51]	Congenital [0.41]	SIDS [0.62]	LRI [0.62]	Endocrine [0.68]	Diarrhea [1.62]	Oth Neuro [0.95]	Meningitis [0.61]	Oth Un Inf [0.98]	F Body [0.26]
Bournemouth	Neonatal [0.57]	Congenital [0.45]	SIDS [0.46]	LRI [0.56]	Endocrine [0.72]	F Body [0.37]	Oth Neuro [0.83]	Diarrhea [0.96]	Oth Un Inf [0.99]	Meningitis [0.4]
Bristol	Neonatal [0.79]	Congenital [0.57]	SIDS [0.85]	LRI [0.99]	Endocrine [0.82]	Diarrhea [1.78]	F Body [0.43]	Meningitis [0.87]	Oth Neuro [0.86]	Oth Un Inf [1.2]
Cornwall	Neonatal [0.64]	Congenital [0.47]	SIDS [0.73]	LRI [0.29]	Endocrine [0.65]	Diarrhea [0.57]	Oth Neuro [0.7]	Meningitis [0.33]	Oth Un Inf [0.81]	F Body [0.2]
Devon	Neonatal [0.66]	Congenital [0.48]	SIDS [0.63]	LRI [0.37]	Endocrine [0.68]	Diarrhea [0.81]	Oth Neuro [0.66]	Oth Un Inf [0.87]	Meningitis [0.37]	F Body [0.21]
Dorset	Neonatal [0.56]	Congenital [0.41]	SIDS [0.63]	LRI [0.3]	Endocrine [0.67]	Diarrhea [0.67]	F Body [0.24]	Oth Neuro [0.66]	Meningitis [0.34]	Oth Un Inf [0.79]
Gloucestershire	Neonatal [0.59]	Congenital [0.44]	SIDS [0.7]	LRI [0.55]	Endocrine [0.64]	Diarrhea [1.14]	Oth Neuro [0.83]	F Body [0.3]	Meningitis [0.5]	Oth Un Inf [0.94]
N Somerset	Neonatal [0.5]	Congenital [0.46]	SIDS [0.81]	LRI [0.37]	Endocrine [0.51]	Diarrhea [0.88]	Oth Neuro [0.93]	Meningitis [0.41]	F Body [0.24]	Oth Un Inf [0.79]
Plymouth	Neonatal [0.52]	Congenital [0.43]	SIDS [0.85]	LRI [0.42]	Endocrine [0.66]	Oth Neuro [0.82]	Diarrhea [0.76]	Meningitis [0.46]	Oth Un Inf [0.83]	F Body [0.22]
Poole	Neonatal [0.45]	Congenital [0.32]	SIDS [0.5]	LRI [0.32]	Endocrine [0.55]	Oth Un Inf [1.01]	Diarrhea [0.72]	F Body [0.24]	Oth Neuro [0.6]	Iron [4.84]
Somerset	Neonatal [0.53]	Congenital [0.43]	SIDS [0.58]	LRI [0.3]	Endocrine [0.62]	Diarrhea [0.69]	Oth Neuro [0.76]	Oth Un Inf [0.8]	F Body [0.2]	Meningitis [0.3]
S Gloucestershire	Neonatal [0.54]	Congenital [0.45]	SIDS [0.59]	LRI [0.53]	Endocrine [0.6]	Diarrhea [1.18]	Oth Neuro [0.78]	F Body [0.25]	Oth Un Inf [0.88]	Meningitis [0.45]
Swindon	Neonatal [0.52]	Congenital [0.38]	SIDS [0.53]	LRI [0.52]	Endocrine [0.55]	Diarrhea [1.0]	F Body [0.29]	Oth Neuro [0.66]	Meningitis [0.43]	Oth Un Inf [0.78]
Torbay	Neonatal [0.53]	Congenital [0.4]	SIDS [0.69]	LRI [0.18]	Endocrine [0.61]	Diarrhea [0.4]	Oth Neuro [0.58]	Oth Un Inf [0.65]	F Body [0.16]	Meningitis [0.19]
Wiltshire	Neonatal [0.52]	Congenital [0.4]	SIDS [0.63]	LRI [0.39]	Endocrine [0.59]	Diarrhea [0.82]	Meningitis [0.43]	Oth Neuro [0.72]	Oth Un Inf [0.76]	F Body [0.2]
W Midlands	Neonatal [1.07]	Congenital [0.8]	SIDS [0.78]	LRI [0.7]	Endocrine [1.14]	Diarrhea [1.13]	F Body [0.41]	Oth Neuro [1.06]	Meningitis [0.61]	Oth Un Inf [1.22]
Birmingham	Neonatal [1.49]	Congenital [1.12]	SIDS [0.94]	LRI [1.15]	Endocrine [1.62]	F Body [0.64]	Diarrhea [1.54]	Oth Neuro [1.45]	Meningitis [0.86]	Oth Un Inf [1.78]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Coventry	Neonatal [1.09]	Congenital [0.79]	SIDS [0.92]	LRI [0.91]	Endocrine [1.25]	Meningitis [1.09]	Diarrhea [1.65]	Oth Neuro [1.31]	F Body [0.51]	CMP [1.18]
Dudley	Neonatal [0.74]	Congenital [0.62]	SIDS [0.66]	LRI [0.36]	Endocrine [0.99]	Diarrhea [0.78]	Meningitis [0.38]	Oth Un Inf [0.94]	Oth Neuro [0.75]	F Body [0.22]
Herefordshire	Neonatal [0.69]	Congenital [0.6]	SIDS [0.74]	LRI [0.44]	Endocrine [0.79]	Diarrhea [0.96]	F Body [0.34]	Oth Neuro [0.91]	Oth Un Inf [0.94]	Meningitis [0.39]
Sandwell	Neonatal [0.99]	Congenital [0.74]	SIDS [0.78]	LRI [0.47]	Endocrine [1.33]	Diarrhea [0.79]	F Body [0.36]	Meningitis [0.4]	Oth Un Inf [1.01]	Oth Neuro [0.81]
Shropshire	Neonatal [0.59]	Congenital [0.45]	SIDS [0.47]	LRI [0.31]	Endocrine [0.47]	Diarrhea [0.68]	Oth Neuro [0.64]	Meningitis [0.3]	URI [1.17]	Oth Un Inf [0.58]
Solihull	Neonatal [0.89]	Congenital [0.67]	SIDS [0.56]	LRI [0.6]	Endocrine [0.83]	Diarrhea [1.3]	F Body [0.33]	Oth Un Inf [1.13]	Oth Neuro [0.71]	Meningitis [0.5]
Staffordshire	Neonatal [0.96]	Congenital [0.7]	SIDS [0.7]	LRI [0.53]	Endocrine [0.88]	Diarrhea [0.97]	Oth Neuro [0.94]	F Body [0.33]	Oth Un Inf [1.15]	Meningitis [0.48]
Stoke-on-Trent	Neonatal [1.17]	Congenital [0.9]	SIDS [1.11]	LRI [0.55]	Endocrine [1.06]	Meningitis [0.65]	Oth Neuro [1.25]	Diarrhea [0.78]	F Body [0.31]	CMP [0.98]
Telford & Wrekin	Neonatal [0.87]	Congenital [0.65]	SIDS [0.88]	LRI [0.56]	Endocrine [0.82]	Meningitis [0.71]	Oth Neuro [1.1]	F Body [0.35]	Diarrhea [0.8]	Oth Un Inf [0.85]
Walsall	Neonatal [1.0]	Congenital [0.77]	SIDS [0.68]	LRI [0.49]	Endocrine [1.31]	F Body [0.42]	Meningitis [0.49]	Oth Neuro [1.19]	Diarrhea [0.69]	Oth Un Inf [1.2]
Warwickshire	Neonatal [0.92]	Congenital [0.66]	SIDS [0.49]	LRI [0.7]	Endocrine [0.87]	Diarrhea [1.4]	Oth Neuro [0.73]	Oth Un Inf [1.07]	F Body [0.28]	Meningitis [0.49]
Wolverhampton	Neonatal [0.93]	Congenital [0.69]	SIDS [0.85]	LRI [0.54]	Endocrine [1.04]	Diarrhea [0.91]	F Body [0.38]	Oth Neuro [0.95]	Meningitis [0.46]	Oth Un Inf [0.95]
Worcestershire	Neonatal [0.83]	Congenital [0.65]	SIDS [0.74]	LRI [0.62]	Endocrine [0.91]	Diarrhea [1.0]	F Body [0.39]	Oth Neuro [0.98]	Meningitis [0.55]	Oth Un Inf [1.04]
Yorkshire & Humber	Neonatal [0.66]	Congenital [0.52]	SIDS [0.71]	LRI [0.54]	Endocrine [0.77]	Oth Neuro [0.98]	Diarrhea [0.85]	Meningitis [0.52]	F Body [0.28]	Oth Un Inf [0.91]
Barnsley	Neonatal [0.41]	Congenital [0.34]	SIDS [0.79]	LRI [0.27]	Endocrine [0.52]	Oth Neuro [1.04]	Meningitis [0.38]	Diarrhea [0.57]	F Body [0.23]	Iron [2.93]
Bradford	Neonatal [0.74]	Congenital [0.62]	SIDS [0.8]	LRI [0.53]	Endocrine [0.93]	Oth Neuro [1.58]	Meningitis [0.46]	F Body [0.31]	Diarrhea [0.71]	Oth Un Inf [0.97]
Calderdale	Neonatal [0.63]	Congenital [0.47]	SIDS [0.9]	LRI [0.53]	Endocrine [0.86]	Meningitis [0.58]	F Body [0.33]	Diarrhea [0.82]	Oth Neuro [0.87]	Oth Un Inf [0.83]
Doncaster	Neonatal [0.6]	Congenital [0.51]	SIDS [0.76]	LRI [0.34]	Endocrine [0.73]	Oth Neuro [1.0]	Meningitis [0.35]	Diarrhea [0.51]	Oth Un Inf [0.78]	F Body [0.2]
E Riding of Yorkshire	Neonatal [0.44]	Congenital [0.39]	SIDS [0.6]	LRI [0.34]	Endocrine [0.59]	Oth Neuro [0.76]	Diarrhea [0.64]	Meningitis [0.36]	F Body [0.21]	Iron [4.35]
Kingston upon Hull	Neonatal [0.55]	Congenital [0.4]	SIDS [0.71]	LRI [0.41]	Endocrine [0.62]	Oth Neuro [0.92]	F Body [0.3]	Meningitis [0.41]	Diarrhea [0.64]	Iron [4.6]
Kirklees	Neonatal [0.69]	Congenital [0.56]	SIDS [0.68]	LRI [0.48]	Endocrine [0.82]	Oth Neuro [0.86]	Diarrhea [0.67]	F Body [0.27]	Meningitis [0.39]	Oth Un Inf [0.8]
Leeds	Neonatal [0.85]	Congenital [0.6]	SIDS [0.74]	LRI [0.92]	Endocrine [0.93]	Diarrhea [1.44]	Meningitis [0.88]	Oth Un Inf [1.41]	Oth Neuro [0.85]	F Body [0.35]
NE Lincolnshire	Neonatal [0.49]	Congenital [0.38]	SIDS [0.8]	LRI [0.35]	Endocrine [0.73]	Oth Neuro [1.08]	F Body [0.24]	Diarrhea [0.48]	Meningitis [0.29]	Oth Un Inf [0.77]
N Lincolnshire	Neonatal [0.53]	Congenital [0.4]	SIDS [0.65]	LRI [0.37]	Endocrine [0.68]	Diarrhea [0.66]	Oth Neuro [0.86]	F Body [0.27]	Meningitis [0.34]	Iron [3.44]
N Yorkshire	Neonatal [0.49]	Congenital [0.4]	SIDS [0.64]	LRI [0.38]	Endocrine [0.58]	Diarrhea [0.8]	Oth Neuro [0.7]	Meningitis [0.4]	Oth Un Inf [0.75]	URI [1.22]
Rotherham	Neonatal [0.55]	Congenital [0.45]	SIDS [0.57]	LRI [0.34]	Endocrine [0.58]	Meningitis [0.42]	Oth Neuro [0.82]	F Body [0.23]	Diarrhea [0.45]	Iron [2.76]
Sheffield	Neonatal [0.82]	Congenital [0.66]	SIDS [0.66]	LRI [0.76]	Endocrine [0.9]	Diarrhea [1.3]	Oth Neuro [1.11]	Meningitis [0.79]	F Body [0.35]	Oth Un Inf [1.16]
Wakefield	Neonatal [0.55]	Congenital [0.41]	SIDS [0.63]	LRI [0.39]	Endocrine [0.64]	Diarrhea [0.69]	Oth Neuro [0.77]	Meningitis [0.34]	F Body [0.23]	Oth Un Inf [0.65]
York	Neonatal [0.71]	Congenital [0.51]	SIDS [0.74]	LRI [0.81]	Endocrine [0.6]	Oth Neuro [1.03]	Diarrhea [1.22]	Meningitis [0.77]	F Body [0.33]	Oth Un Inf [1.12]
N Ireland	Neonatal [0.84]	Congenital [0.74]	SIDS [0.54]	LRI [0.48]	Endocrine [0.67]	Diarrhea [1.03]	Meningitis [0.49]	F Body [0.27]	Oth Un Inf [0.95]	ALS [2.29]
Scotland	Neonatal [0.5]	Congenital [0.43]	SIDS [0.76]	LRI [0.29]	Endocrine [0.57]	Diarrhea [0.68]	Meningitis [0.37]	F Body [0.24]	Oth Neuro [0.68]	Oth Un Inf [0.79]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Wales	Neonatal [0.49]	Congenital [0.39]	SIDS [0.6]	LRI [0.31]	Endocrine [0.56]	Diarrhea [0.69]	Meningitis [0.36]	F Body [0.22]	Oth Neuro [0.67]	Oth Un Inf [0.77]
Latin America and Caribbean	Neonatal [0.63]	Congenital [0.67]	LRI [0.6]	Diarrhea [1.34]	STI [3.06]	F Body [0.93]	PEM [2.61]	Meningitis [0.37]	Ileus [1.21]	SIDS [0.32]
Andean Latin America	Neonatal [0.57]	Congenital [0.59]	LRI [0.7]	F Body [1.72]	STI [3.25]	Diarrhea [0.63]	PEM [1.84]	HIV [3.43]	Whooping [2.23]	Meningitis [0.21]
Bolivia	Neonatal [0.69]	Congenital [0.71]	LRI [0.69]	STI [3.58]	F Body [1.58]	Diarrhea [0.46]	PEM [1.89]	Meningitis [0.24]	Whooping [1.52]	HIV [2.59]
Ecuador	Neonatal [0.58]	Congenital [0.6]	LRI [0.59]	STI [4.63]	F Body [0.86]	Diarrhea [0.49]	PEM [1.75]	Ileus [0.86]	Meningitis [0.19]	Endocrine [0.67]
Peru	Neonatal [0.47]	Congenital [0.51]	LRI [0.65]	F Body [2.08]	Diarrhea [0.66]	STI [1.81]	HIV [4.55]	Whooping [2.88]	Iron [3.82]	PEM [1.2]
Caribbean	Neonatal [1.17]	Congenital [0.93]	LRI [1.43]	Diarrhea [6.13]	STI [7.23]	Meningitis [1.48]	Whooping [9.69]	PEM [4.64]	F Body [0.9]	Endocrine [1.63]
Antigua	Neonatal [0.71]	Congenital [0.43]	LRI [0.87]	Endocrine [1.94]	Diarrhea [0.89]	STI [2.71]	Meningitis [0.44]	SIDS [0.3]	PEM [4.94]	F Body [0.34]
Bahamas	Neonatal [1.01]	Congenital [0.57]	LRI [1.85]	Endocrine [3.96]	STI [8.01]	F Body [0.96]	HIV [8.57]	Diarrhea [1.34]	SIDS [0.41]	Meningitis [0.75]
Barbados	Neonatal [1.1]	Congenital [0.69]	LRI [1.15]	STI [8.19]	Endocrine [1.78]	Diarrhea [0.83]	Meningitis [0.59]	Bac Skin [17.15]	Urinary [8.3]	SIDS [0.23]
Belize	Neonatal [0.68]	Congenital [0.49]	LRI [0.46]	Diarrhea [0.58]	Endocrine [2.16]	SIDS [0.8]	PEM [1.43]	F Body [0.52]	STI [0.92]	HIV [2.77]
Bermuda	Neonatal [0.56]	Congenital [0.29]	LRI [0.59]	STI [7.99]	SIDS [0.38]	Endocrine [1.22]	Diarrhea [0.65]	HIV [2.45]	Meningitis [0.28]	Iron [3.33]
Cuba	Neonatal [0.21]	Congenital [0.27]	LRI [0.25]	Endocrine [0.63]	F Body [0.26]	Diarrhea [0.28]	Meningitis [0.22]	STI [0.78]	SIDS [0.1]	HIV [1.08]
Dominica	Neonatal [2.11]	Congenital [1.36]	LRI [1.78]	SIDS [2.24]	Endocrine [4.53]	Diarrhea [1.58]	F Body [1.07]	PEM [7.89]	Meningitis [0.81]	Bac Skin [20.06]
Dominican Rep	Neonatal [1.13]	Congenital [0.57]	LRI [0.39]	STI [5.28]	Diarrhea [0.67]	Meningitis [0.44]	Whooping [2.72]	F Body [0.46]	SIDS [0.55]	HIV [2.85]
Grenada	Neonatal [0.62]	Congenital [0.34]	LRI [0.44]	Endocrine [1.25]	STI [0.87]	Diarrhea [0.21]	F Body [0.26]	PEM [1.04]	Iron [2.46]	Meningitis [0.12]
Guyana	Neonatal [0.92]	Congenital [0.4]	LRI [0.33]	Diarrhea [0.75]	PEM [1.75]	STI [1.2]	F Body [0.62]	Endocrine [1.65]	HIV [2.91]	Ileus [0.88]
Haiti	Neonatal [0.64]	LRI [0.74]	Diarrhea [1.46]	Congenital [1.12]	Meningitis [0.82]	STI [1.42]	Whooping [1.39]	PEM [0.77]	F Body [1.32]	Tetanus [10.88]
Jamaica	Neonatal [1.37]	Congenital [0.57]	STI [11.53]	LRI [0.32]	SIDS [0.46]	Diarrhea [0.5]	PEM [2.85]	Endocrine [0.9]	Meningitis [0.28]	F Body [0.31]
Puerto Rico	Neonatal [1.15]	Congenital [0.7]	LRI [1.54]	Disaster [7219.55]	Endocrine [1.8]	STI [10.49]	Diarrhea [2.5]	F Body [0.63]	SIDS [0.15]	Meningitis [0.59]
St Lucia	Neonatal [0.83]	Congenital [0.38]	STI [12.39]	LRI [0.33]	Diarrhea [0.46]	Endocrine [1.06]	SIDS [0.39]	PEM [1.36]	F Body [0.25]	Meningitis [0.19]
St Vincent	Neonatal [0.76]	Congenital [0.46]	LRI [0.36]	Diarrhea [0.5]	Endocrine [2.41]	PEM [2.14]	STI [1.13]	F Body [0.37]	Meningitis [0.25]	HIV [1.8]
Suriname	Neonatal [1.47]	Congenital [0.81]	LRI [0.71]	Diarrhea [2.22]	STI [3.5]	F Body [1.11]	Endocrine [2.04]	PEM [2.94]	Meningitis [0.51]	Ileus [2.08]
Trinidad Tobago	Neonatal [1.24]	Congenital [0.92]	LRI [0.76]	F Body [1.05]	Diarrhea [1.14]	Endocrine [1.99]	STI [3.19]	SIDS [0.33]	Meningitis [0.31]	Ileus [1.14]
Virgin Isl US	Neonatal [1.19]	Congenital [0.64]	LRI [1.1]	SIDS [0.71]	STI [10.73]	Endocrine [1.56]	Violence [2.25]	F Body [0.53]	Diarrhea [1.11]	PEM [14.5]
Central Latin America	Neonatal [0.5]	Congenital [0.56]	LRI [0.46]	Diarrhea [0.8]	F Body [0.75]	PEM [1.95]	STI [1.39]	Ileus [1.11]	SIDS [0.38]	Meningitis [0.19]
Colombia	Neonatal [0.55]	Congenital [0.56]	LRI [0.37]	PEM [3.34]	Diarrhea [0.51]	F Body [0.58]	STI [1.32]	Meningitis [0.25]	Ileus [0.87]	Violence [1.17]
Costa Rica	Neonatal [0.41]	Congenital [0.53]	LRI [0.14]	Diarrhea [0.36]	STI [1.1]	Meningitis [0.15]	F Body [0.13]	Endocrine [0.31]	SIDS [0.12]	Oth Un Inf [0.44]
El Salvador	Neonatal [0.37]	Congenital [0.55]	LRI [0.29]	Diarrhea [0.53]	HIV [3.62]	Whooping [1.51]	PEM [0.64]	Meningitis [0.16]	SIDS [0.31]	STI [0.41]
Guatemala	Neonatal [0.49]	LRI [0.74]	Congenital [0.51]	Diarrhea [0.65]	PEM [0.98]	F Body [0.7]	SIDS [0.91]	Ileus [1.33]	Meningitis [0.19]	STI [0.45]
Honduras	Neonatal [0.32]	Congenital [0.18]	Diarrhea [0.33]	LRI [0.07]	Endocrine [3.33]	Ileus [1.19]	Whooping [0.53]	Violence [2.24]	F Body [0.26]	Encepha [0.72]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Mexico	Neonatal [0.43]	Congenital [0.59]	LRI [0.37]	Diarrhea [0.62]	F Body [0.87]	PEM [1.69]	Ileus [1.21]	SIDS [0.43]	STI [0.88]	Violence [1.91]
Aguascalientes	Neonatal [0.51]	Congenital [0.7]	LRI [0.36]	F Body [1.26]	Diarrhea [0.84]	PEM [2.42]	Ileus [1.12]	STI [0.99]	SIDS [0.31]	Violence [1.48]
Baja CA	Neonatal [0.37]	Congenital [0.49]	LRI [0.32]	F Body [1.59]	Diarrhea [0.42]	STI [1.31]	Violence [1.96]	SIDS [0.32]	Ileus [0.9]	Meningitis [0.17]
Baja CA Sur	Neonatal [0.43]	Congenital [0.53]	LRI [0.33]	F Body [0.63]	Diarrhea [0.53]	SIDS [0.31]	PEM [1.61]	Violence [1.72]	STI [0.81]	Ileus [0.67]
Campeche	Neonatal [0.49]	Congenital [0.54]	LRI [0.27]	Diarrhea [0.46]	F Body [0.53]	PEM [1.23]	SIDS [0.44]	Ileus [0.99]	STI [0.66]	Violence [1.57]
Chiapas	Neonatal [0.17]	Congenital [0.36]	LRI [0.27]	Diarrhea [0.45]	PEM [0.73]	F Body [0.41]	Ileus [0.98]	STI [0.34]	SIDS [0.28]	Violence [1.2]
Chihuahua	Neonatal [0.66]	Congenital [0.75]	LRI [0.52]	F Body [2.16]	Diarrhea [0.7]	SIDS [0.63]	Violence [3.03]	PEM [2.03]	STI [1.27]	Ileus [1.15]
Coahuila	Neonatal [0.66]	Congenital [0.69]	LRI [0.39]	F Body [1.31]	Diarrhea [0.57]	SIDS [0.4]	STI [1.02]	PEM [1.53]	Violence [1.83]	Ileus [0.99]
Colima	Neonatal [0.47]	Congenital [0.62]	LRI [0.35]	Diarrhea [0.76]	F Body [0.61]	PEM [2.67]	STI [1.19]	Violence [2.2]	SIDS [0.35]	Ileus [1.14]
Mexico City	Neonatal [0.82]	Congenital [1.06]	LRI [1.43]	F Body [1.11]	Diarrhea [1.39]	Ileus [2.66]	Violence [2.81]	STI [2.32]	Meningitis [0.32]	PEM [3.72]
Durango	Neonatal [0.57]	Congenital [0.62]	LRI [0.28]	F Body [1.01]	Diarrhea [0.41]	SIDS [0.46]	Violence [2.24]	STI [0.87]	PEM [0.98]	Ileus [0.87]
Guanajuato	Neonatal [0.41]	Congenital [0.57]	LRI [0.24]	Diarrhea [0.4]	F Body [0.58]	STI [0.9]	SIDS [0.46]	PEM [1.08]	Ileus [0.84]	Violence [1.46]
Guerrero	Neonatal [0.27]	Congenital [0.54]	LRI [0.22]	Diarrhea [0.38]	F Body [0.69]	PEM [0.95]	Violence [2.75]	SIDS [0.56]	Ileus [0.91]	STI [0.44]
Hidalgo	Neonatal [0.27]	Congenital [0.36]	LRI [0.14]	F Body [0.75]	SIDS [0.78]	Diarrhea [0.2]	Ileus [0.92]	PEM [0.57]	STI [0.37]	Violence [1.3]
Jalisco	Neonatal [0.43]	Congenital [0.64]	LRI [0.34]	F Body [0.77]	Diarrhea [0.49]	STI [1.11]	PEM [1.67]	Ileus [1.06]	Violence [1.72]	SIDS [0.21]
Mexico	Neonatal [0.47]	Congenital [0.57]	LRI [0.45]	F Body [1.14]	Diarrhea [0.61]	Ileus [1.7]	PEM [1.56]	Violence [2.23]	STI [0.95]	SIDS [0.23]
Michoacan	Neonatal [0.27]	Congenital [0.56]	LRI [0.28]	F Body [1.04]	Diarrhea [0.39]	PEM [1.06]	SIDS [0.51]	Ileus [1.03]	STI [0.6]	Violence [2.18]
Morelos	Neonatal [0.39]	Congenital [0.53]	LRI [0.21]	Diarrhea [0.52]	F Body [0.51]	PEM [1.43]	Violence [2.04]	Ileus [0.98]	STI [0.79]	SIDS [0.32]
Nayarit	Neonatal [0.29]	Congenital [0.47]	LRI [0.21]	Diarrhea [0.38]	F Body [0.42]	STI [0.86]	SIDS [0.38]	Violence [1.8]	PEM [0.78]	Ileus [0.69]
Nuevo Leon	Neonatal [0.51]	Congenital [0.75]	LRI [0.41]	F Body [1.38]	Diarrhea [0.48]	STI [1.43]	Violence [1.88]	Meningitis [0.21]	Ileus [0.87]	SIDS [0.21]
Oaxaca	Neonatal [0.2]	Congenital [0.45]	LRI [0.2]	Diarrhea [0.39]	PEM [1.18]	F Body [0.53]	Ileus [0.88]	STI [0.44]	Violence [1.82]	SIDS [0.3]
Puebla	Neonatal [0.47]	Congenital [0.68]	LRI [0.38]	Diarrhea [0.44]	SIDS [1.2]	F Body [0.83]	PEM [1.37]	Ileus [1.73]	STI [0.52]	Violence [1.56]
Queretaro	Neonatal [0.42]	Congenital [0.64]	LRI [0.32]	F Body [1.06]	Diarrhea [0.6]	SIDS [0.5]	PEM [1.78]	Ileus [1.29]	STI [0.72]	Violence [1.49]
Quintana Roo	Neonatal [0.4]	Congenital [0.51]	LRI [0.27]	Diarrhea [0.54]	F Body [0.88]	PEM [1.18]	Ileus [0.98]	Violence [1.73]	STI [0.63]	HIV [1.55]
San Luis Potosi	Neonatal [0.36]	Congenital [0.73]	LRI [0.37]	Diarrhea [0.61]	F Body [0.93]	SIDS [0.95]	PEM [1.78]	Ileus [1.16]	STI [0.85]	Violence [1.8]
Sinaloa	Neonatal [0.4]	Congenital [0.55]	LRI [0.31]	Diarrhea [0.47]	F Body [0.48]	STI [1.16]	Violence [2.32]	PEM [1.22]	SIDS [0.25]	Ileus [0.54]
Sonora	Neonatal [0.42]	Congenital [0.53]	LRI [0.36]	Diarrhea [0.67]	F Body [0.82]	SIDS [0.6]	PEM [1.87]	STI [0.96]	Violence [1.8]	Ileus [0.8]
Tabasco	Neonatal [0.63]	Congenital [0.75]	LRI [0.34]	Diarrhea [0.59]	F Body [0.75]	PEM [1.76]	Ileus [0.91]	STI [0.65]	Violence [1.74]	SIDS [0.34]
Tamaulipas	Neonatal [0.53]	Congenital [0.61]	LRI [0.29]	F Body [0.92]	Diarrhea [0.45]	STI [1.05]	Violence [2.06]	PEM [1.34]	Ileus [0.78]	SIDS [0.25]
Tlaxcala	Neonatal [0.41]	Congenital [0.56]	LRI [0.35]	SIDS [1.51]	F Body [0.93]	Diarrhea [0.39]	PEM [1.29]	Ileus [1.3]	STI [0.73]	Violence [1.46]
Veracruz	Neonatal [0.34]	Congenital [0.44]	LRI [0.16]	Diarrhea [0.26]	PEM [0.97]	F Body [0.42]	Ileus [0.76]	STI [0.47]	Violence [1.48]	SIDS [0.29]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Yucatan	Neonatal [0.42]	Congenital [0.63]	LRI [0.45]	Diarrhea [0.68]	F Body [0.62]	PEM [1.8]	Ileus [1.24]	SIDS [0.4]	STI [0.75]	Violence [1.43]
Zacatecas	Neonatal [0.34]	Congenital [0.47]	LRI [0.28]	F Body [0.78]	Diarrhea [0.33]	SIDS [0.82]	PEM [0.98]	STI [0.55]	Ileus [0.73]	Violence [1.55]
Nicaragua	Neonatal [0.36]	Congenital [0.5]	LRI [0.29]	Diarrhea [0.25]	PEM [0.62]	F Body [0.39]	Meningitis [0.11]	SIDS [0.26]	HIV [1.18]	Ileus [0.41]
Panama	Neonatal [0.63]	Congenital [0.85]	LRI [0.91]	Diarrhea [1.94]	STI [6.97]	F Body [0.92]	PEM [6.28]	Meningitis [0.53]	Ileus [1.33]	HIV [2.34]
Venezuela	Neonatal [0.73]	Congenital [0.57]	LRI [0.49]	STI [6.7]	Diarrhea [1.38]	F Body [1.12]	PEM [2.77]	Meningitis [0.31]	Ileus [0.61]	Violence [1.03]
Tropical Latin America	Neonatal [0.74]	Congenital [0.82]	LRI [0.55]	STI [4.99]	Diarrhea [1.24]	F Body [0.86]	PEM [3.44]	Meningitis [0.46]	Ileus [1.54]	HIV [2.5]
Brazil	Neonatal [0.78]	Congenital [0.85]	LRI [0.59]	Diarrhea [1.33]	STI [4.69]	F Body [0.89]	PEM [3.66]	Meningitis [0.48]	Ileus [1.6]	CMP [1.28]
Acre	Neonatal [0.76]	Congenital [0.87]	LRI [0.51]	Diarrhea [0.98]	STI [2.05]	PEM [2.01]	Ileus [1.48]	Meningitis [0.3]	F Body [0.41]	Oth Un Inf [0.98]
Alagoas	Neonatal [0.44]	Congenital [0.57]	LRI [0.32]	Diarrhea [0.78]	STI [1.47]	PEM [1.37]	Ileus [1.24]	Meningitis [0.19]	HIV [1.8]	Violence [1.67]
Amapa	Neonatal [1.32]	Congenital [0.86]	LRI [0.7]	STI [8.59]	Diarrhea [1.38]	PEM [3.26]	Meningitis [0.43]	SIDS [0.48]	Ileus [1.58]	Bac Skin [11.94]
Amazonas	Neonatal [0.72]	Congenital [0.79]	LRI [0.55]	STI [6.11]	Diarrhea [1.46]	PEM [3.24]	Ileus [1.47]	Meningitis [0.32]	F Body [0.3]	Endocrine [0.6]
Bahia	Neonatal [0.63]	Congenital [0.91]	LRI [0.44]	Diarrhea [0.95]	PEM [2.42]	F Body [1.0]	Meningitis [0.53]	STI [1.34]	Ileus [1.93]	CMP [1.86]
Ceara	Neonatal [0.5]	Congenital [0.74]	LRI [0.33]	Diarrhea [0.67]	STI [1.93]	Meningitis [0.34]	PEM [1.18]	F Body [0.43]	Ileus [1.11]	HIV [2.25]
Distrito Federal	Neonatal [1.59]	Congenital [1.24]	LRI [1.56]	STI [19.37]	F Body [1.67]	Diarrhea [2.75]	Meningitis [1.05]	HIV [6.63]	PEM [16.52]	Ileus [2.06]
Espirito Santo	Neonatal [0.79]	Congenital [0.93]	LRI [0.45]	STI [5.6]	Diarrhea [0.95]	F Body [0.72]	PEM [3.46]	Meningitis [0.43]	Ileus [1.07]	Violence [1.6]
Goias	Neonatal [0.78]	Congenital [0.79]	LRI [0.32]	STI [4.23]	Diarrhea [0.54]	F Body [0.53]	Meningitis [0.35]	Ileus [0.96]	PEM [1.11]	Endocrine [0.54]
Maranhao	Neonatal [0.33]	Congenital [0.58]	LRI [0.22]	Diarrhea [0.28]	STI [0.87]	PEM [0.61]	F Body [0.41]	Meningitis [0.15]	Ileus [0.93]	HIV [1.91]
Mato Grosso	Neonatal [0.82]	Congenital [0.77]	LRI [0.49]	STI [7.2]	Diarrhea [1.14]	F Body [0.84]	PEM [3.25]	Meningitis [0.44]	Ileus [1.49]	SIDS [0.43]
Mato Grosso do Sul	Neonatal [0.71]	Congenital [0.85]	LRI [0.44]	Diarrhea [1.39]	STI [4.08]	F Body [0.94]	PEM [2.58]	Meningitis [0.37]	Ileus [1.26]	Endocrine [0.83]
Minas Gerais	Neonatal [0.75]	Congenital [0.75]	LRI [0.3]	STI [4.18]	Diarrhea [0.64]	F Body [0.62]	Meningitis [0.34]	Ileus [1.17]	PEM [1.64]	Endocrine [0.65]
Para	Neonatal [0.5]	Congenital [0.56]	LRI [0.37]	Diarrhea [0.44]	STI [1.65]	PEM [0.94]	Meningitis [0.24]	Ileus [0.99]	F Body [0.26]	HIV [1.88]
Paraiba	Neonatal [0.32]	Congenital [0.51]	LRI [0.26]	STI [1.48]	Diarrhea [0.27]	PEM [0.93]	Meningitis [0.18]	Ileus [0.78]	F Body [0.21]	HIV [1.6]
Parana	Neonatal [0.85]	Congenital [1.07]	LRI [0.45]	F Body [1.6]	STI [5.59]	Diarrhea [0.8]	Meningitis [0.54]	Ileus [1.47]	PEM [2.71]	Road Inj [1.41]
Pernambuco	Neonatal [0.53]	Congenital [0.81]	LRI [0.34]	Diarrhea [0.88]	STI [1.93]	PEM [1.66]	F Body [0.63]	Meningitis [0.28]	Ileus [1.25]	Violence [1.85]
Piaui	Neonatal [0.52]	Congenital [0.62]	LRI [0.17]	Diarrhea [0.33]	STI [1.37]	PEM [0.55]	F Body [0.28]	Meningitis [0.13]	Ileus [0.71]	HIV [1.77]
Rio de Janeiro	Neonatal [1.03]	Congenital [0.9]	LRI [0.91]	F Body [2.57]	STI [6.49]	Diarrhea [1.13]	Meningitis [0.61]	Ileus [1.56]	PEM [3.91]	Violence [1.74]
Rio Grande do Norte	Neonatal [0.37]	Congenital [0.66]	LRI [0.41]	Diarrhea [0.66]	STI [2.18]	PEM [2.67]	Meningitis [0.36]	F Body [0.49]	Ileus [1.18]	Urinary [3.51]
Rio Grande do Sul	Neonatal [0.83]	Congenital [0.9]	STI [14.46]	LRI [0.52]	F Body [1.0]	Diarrhea [0.62]	Meningitis [0.39]	Ileus [1.08]	Endocrine [0.54]	HIV [1.97]
Rondonia	Neonatal [0.65]	Congenital [0.78]	LRI [0.34]	STI [4.38]	Diarrhea [0.73]	F Body [0.45]	PEM [1.38]	Meningitis [0.29]	Ileus [1.0]	Bac Skin [6.32]
Roraima	Neonatal [0.7]	Congenital [0.83]	LRI [0.81]	Diarrhea [1.78]	STI [3.98]	PEM [5.2]	F Body [0.63]	Ileus [1.4]	Endocrine [1.0]	HIV [3.21]
Santa Catarina	Neonatal [0.93]	Congenital [0.97]	LRI [0.57]	STI [7.17]	F Body [0.97]	Diarrhea [1.04]	Meningitis [0.59]	SIDS [0.42]	Ileus [1.48]	Road Inj [1.57]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Sao Paulo	Neonatal [1.05]	Congenital [0.95]	LRI [0.79]	F Body [1.57]	STI [7.54]	Diarrhea [0.96]	Meningitis [0.66]	Ileus [1.86]	CMP [1.68]	Endocrine [0.67]
Sergipe	Neonatal [0.71]	Congenital [0.69]	LRI [0.43]	Diarrhea [0.91]	STI [2.32]	PEM [2.05]	F Body [0.61]	Meningitis [0.3]	Ileus [1.15]	HIV [2.08]
Tocantins	Neonatal [0.59]	Congenital [0.68]	LRI [0.29]	Diarrhea [0.63]	STI [2.4]	PEM [1.35]	Meningitis [0.23]	F Body [0.31]	Leish [207.89]	Ileus [0.85]
Paraguay	Neonatal [0.29]	Congenital [0.49]	STI [10.53]	LRI [0.28]	Diarrhea [0.61]	PEM [2.76]	HIV [4.88]	F Body [0.52]	Meningitis [0.33]	Ileus [1.19]
North Africa and Middle East	Neonatal [0.98]	Congenital [1.11]	LRI [0.99]	Diarrhea [2.94]	Meningitis [0.82]	SIDS [0.89]	Whooping [5.42]	STI [1.28]	PEM [1.92]	Conflict Terror [1411.5]
Afghanistan	Neonatal [0.56]	LRI [0.57]	Congenital [1.27]	Diarrhea [0.26]	Meningitis [0.75]	Whooping [0.71]	SIDS [0.95]	Tetanus [1.06]	PEM [0.24]	Measles [0.26]
Algeria	Neonatal [0.92]	Congenital [1.31]	LRI [0.49]	Diarrhea [0.67]	SIDS [0.37]	F Body [0.44]	Road Inj [1.73]	Meningitis [0.25]	Oth Cardio [2.58]	CKD [1.9]
Bahrain	Neonatal [0.39]	Congenital [0.51]	LRI [0.11]	Endocrine [0.96]	SIDS [0.3]	Diarrhea [0.26]	F Body [0.15]	Road Inj [0.57]	Stroke [1.15]	Hemog [2.23]
Egypt	Neonatal [0.35]	LRI [0.96]	Congenital [0.7]	Diarrhea [2.58]	SIDS [0.76]	Road Inj [1.88]	Ileus [1.32]	Endocrine [0.94]	Encepha [1.12]	CKD [2.01]
Iran	Neonatal [1.01]	Congenital [1.1]	LRI [0.53]	Road Inj [3.0]	SIDS [0.55]	Diarrhea [0.57]	Endocrine [0.97]	F Body [0.43]	Ileus [1.46]	Oth Cardio [3.68]
Iraq	Neonatal [0.72]	Congenital [0.78]	LRI [0.28]	Conflict Terror [4007.63]	Diarrhea [0.33]	Meningitis [0.41]	CMP [3.01]	SIDS [0.69]	Whooping [1.35]	CKD [2.22]
Jordan	Neonatal [1.11]	Congenital [1.22]	LRI [0.89]	SIDS [0.61]	F Body [0.53]	Endocrine [1.17]	Diarrhea [0.55]	Road Inj [1.65]	Meningitis [0.29]	Ileus [0.92]
Kuwait	Neonatal [0.67]	Congenital [1.04]	LRI [0.63]	SIDS [0.34]	Diarrhea [0.91]	Endocrine [0.66]	Road Inj [1.05]	F Body [0.21]	Meningitis [0.26]	Ileus [0.81]
Lebanon	Neonatal [0.52]	Congenital [0.48]	LRI [0.25]	Diarrhea [1.21]	SIDS [0.34]	Whooping [5.48]	F Body [0.28]	Ileus [0.85]	Endocrine [0.39]	Conflict Terror [611.93]
Libya	Neonatal [0.68]	Congenital [0.55]	Oth Cardio [15.01]	LRI [0.38]	Conflict Terror [3754.35]	CMP [3.41]	Diarrhea [1.19]	Stroke [5.15]	SIDS [0.28]	Whooping [9.5]
Morocco	Neonatal [0.66]	Congenital [1.07]	LRI [0.28]	Diarrhea [0.68]	Meningitis [0.49]	SIDS [0.83]	STI [1.01]	Whooping [1.12]	Tetanus [62.43]	F Body [0.26]
Palestine	Neonatal [0.44]	Congenital [0.48]	LRI [0.05]	SIDS [0.48]	Endocrine [0.98]	Diarrhea [0.06]	Meningitis [0.11]	Whooping [0.34]	CKD [0.93]	Ileus [0.37]
Oman	Neonatal [0.87]	Congenital [0.8]	LRI [0.42]	Oth Cardio [11.54]	Road Inj [4.16]	Stroke [8.51]	SIDS [0.48]	CMP [2.38]	Encepha [3.04]	Diarrhea [0.56]
Qatar	Neonatal [0.52]	Congenital [0.75]	LRI [0.27]	SIDS [0.29]	Road Inj [1.46]	Endocrine [0.6]	Diarrhea [0.48]	Ileus [1.0]	Oth Neuro [0.83]	CKD [1.33]
Saudi Arabia	Neonatal [1.05]	Congenital [0.67]	SIDS [0.49]	STI [4.15]	Diarrhea [1.03]	Endocrine [0.65]	Conflict Terror [1311.93]	LRI [0.1]	Med Treat [1.57]	Whooping [4.3]
Sudan	Neonatal [0.93]	Congenital [1.65]	Diarrhea [0.87]	LRI [0.37]	STI [1.25]	SIDS [0.99]	Whooping [0.8]	Meningitis [0.23]	Road Inj [2.17]	HIV [3.05]
Syria	Neonatal [0.3]	Conflict Terror [15226.87]	Congenital [0.44]	Whooping [6.89]	LRI [0.06]	SIDS [0.67]	Measles [7.08]	Endocrine [0.54]	Meningitis [0.1]	Diarrhea [0.07]
Tunisia	Neonatal [0.58]	Congenital [0.58]	LRI [0.2]	SIDS [0.45]	Diarrhea [0.39]	Mech [4.9]	F Body [0.22]	Whooping [2.46]	Ileus [0.74]	Endocrine [0.39]
Turkey	Neonatal [1.11]	Congenital [1.1]	LRI [0.43]	Endocrine [1.96]	SIDS [0.49]	Diarrhea [0.7]	F Body [0.31]	Epilepsy [2.44]	Ileus [0.9]	Oth Neuro [1.07]
UAE	Neonatal [1.03]	Congenital [1.7]	SIDS [0.56]	Med Treat [7.65]	LRI [0.4]	Endocrine [1.11]	Road Inj [2.56]	F Body [0.59]	Diarrhea [1.27]	Stroke [3.78]
Yemen	Neonatal [0.72]	Congenital [0.87]	Diarrhea [0.9]	LRI [0.28]	Whooping [0.75]	Conflict Terror [956.05]	PEM [0.38]	SIDS [0.83]	Road Inj [1.84]	Meningitis [0.13]
South Asia	Neonatal [1.17]	LRI [0.95]	Congenital [0.55]	Diarrhea [1.3]	STI [1.59]	PEM [1.31]	Meningitis [0.49]	Malaria [682.13]	SIDS [0.87]	Whooping [1.21]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Bangladesh	Neonatal [0.83]	LRI [0.58]	Congenital [0.41]	STI [1.17]	Diarrhea [0.16]	PEM [0.5]	SIDS [0.89]	Whooping [0.62]	Tetanus [5.77]	Ileus [0.61]
Bhutan	Neonatal [0.81]	LRI [0.56]	Congenital [0.47]	STI [1.61]	Diarrhea [0.24]	SIDS [0.71]	Meningitis [0.23]	Encepha [1.43]	PEM [0.66]	Iron [3.49]
India	Neonatal [1.09]	LRI [1.09]	Diarrhea [1.66]	Congenital [0.58]	PEM [1.83]	STI [1.65]	Malaria [1481.13]	Meningitis [0.44]	SIDS [0.82]	TB [1.87]
Andhra Pradesh	Neonatal [0.82]	LRI [0.5]	Congenital [0.47]	Diarrhea [0.96]	STI [1.47]	Hep [9.7]	PEM [0.74]	Meningitis [0.28]	SIDS [0.77]	Encepha [1.79]
Arunachal Pradesh	Neonatal [0.69]	LRI [0.61]	Diarrhea [0.85]	Congenital [0.26]	Malaria [2380.43]	STI [1.46]	Hep [9.2]	PEM [0.82]	Whooping [1.28]	SIDS [0.56]
Assam	Neonatal [1.3]	LRI [1.07]	Congenital [0.88]	Diarrhea [1.55]	PEM [1.45]	Malaria [1071.71]	STI [1.36]	Hep [14.41]	Whooping [1.31]	SIDS [0.85]
Bihar	Neonatal [0.82]	LRI [0.73]	Diarrhea [1.08]	Congenital [0.4]	STI [0.58]	Meningitis [0.31]	PEM [0.37]	Encepha [1.85]	Malaria [14.84]	Whooping [0.41]
Chhattisgarh	Neonatal [1.13]	LRI [0.9]	Diarrhea [0.72]	Congenital [0.36]	PEM [1.52]	STI [1.21]	Malaria [499.34]	SIDS [0.68]	Meningitis [0.19]	TB [1.09]
Delhi	Neonatal [2.6]	LRI [3.4]	Congenital [0.76]	Diarrhea [7.73]	STI [13.75]	PEM [18.43]	Meningitis [1.07]	HIV [7.77]	Iron [9.58]	SIDS [0.56]
Goa	Neonatal [1.82]	LRI [4.15]	Congenital [0.83]	STI [19.13]	Diarrhea [4.31]	SIDS [0.67]	Encepha [7.3]	PEM [16.67]	Falls [6.05]	Malaria [100686.78]
Gujarat	Neonatal [1.17]	LRI [0.93]	Congenital [0.61]	Diarrhea [1.08]	STI [2.49]	Malaria [5256.81]	PEM [1.87]	Meningitis [0.48]	SIDS [0.74]	Whooping [2.0]
Haryana	Neonatal [1.15]	LRI [1.42]	Congenital [0.58]	Diarrhea [2.24]	PEM [4.92]	STI [3.34]	Meningitis [0.68]	Malaria [6163.97]	SIDS [0.96]	TB [3.56]
Himachal Pradesh	Neonatal [1.33]	LRI [1.61]	Congenital [0.7]	Diarrhea [2.03]	STI [4.99]	Falls [6.06]	SIDS [0.74]	Meningitis [0.43]	Malaria [7156.63]	F Body [0.48]
Jammu & Kashmir	Neonatal [1.15]	LRI [1.73]	Congenital [0.83]	Diarrhea [1.17]	STI [2.17]	PEM [1.51]	SIDS [0.85]	Meningitis [0.37]	Hep [10.68]	Malaria [2777.33]
Jharkhand	Neonatal [0.69]	LRI [0.6]	Diarrhea [0.8]	Congenital [0.38]	STI [0.83]	PEM [0.55]	Malaria [126.19]	Meningitis [0.16]	SIDS [0.56]	TB [0.7]
Karnataka	Neonatal [0.94]	Congenital [0.68]	LRI [0.57]	Diarrhea [0.68]	STI [2.01]	PEM [1.94]	Meningitis [0.4]	SIDS [0.72]	Encepha [1.89]	Whooping [1.58]
Kerala	Neonatal [0.51]	Congenital [0.67]	LRI [0.38]	STI [5.54]	SIDS [0.32]	PEM [1.69]	Whooping [2.55]	Vit A [2.28]	Measles [18.3]	Encepha [1.12]
Madhya Pradesh	Neonatal [0.9]	LRI [0.9]	Congenital [0.48]	Diarrhea [0.65]	PEM [1.16]	Malaria [199.29]	STI [0.87]	Meningitis [0.32]	TB [1.21]	SIDS [0.77]
Maharashtra	Neonatal [1.1]	LRI [0.75]	Congenital [0.41]	Diarrhea [1.09]	STI [3.62]	PEM [2.97]	Meningitis [0.31]	SIDS [0.53]	Whooping [2.71]	Encepha [1.56]
Manipur	Neonatal [0.98]	LRI [0.8]	Congenital [0.47]	Diarrhea [1.37]	HIV [10.41]	STI [2.48]	Malaria [3293.35]	Whooping [2.45]	F Body [0.53]	PEM [1.0]
Meghalaya	Neonatal [1.02]	LRI [1.24]	Congenital [0.64]	Malaria [12335.38]	Diarrhea [1.4]	STI [2.09]	Meningitis [0.53]	TB [2.87]	SIDS [0.88]	PEM [0.92]
Mizoram	Neonatal [1.38]	LRI [2.46]	Congenital [0.71]	Malaria [23946.13]	Diarrhea [1.19]	STI [3.63]	HIV [12.18]	Meningitis [0.84]	PEM [2.66]	Whooping [5.07]
Nagaland	Neonatal [1.81]	LRI [3.93]	Congenital [0.49]	Diarrhea [2.52]	Malaria [45765.89]	HIV [21.87]	STI [6.47]	Hep [40.9]	Meningitis [0.87]	TB [9.69]
Odisha	Neonatal [1.13]	LRI [0.92]	Congenital [0.57]	Diarrhea [1.23]	Malaria [2475.82]	PEM [1.7]	STI [1.19]	Hep [12.28]	Meningitis [0.33]	F Body [0.66]
Punjab	Neonatal [1.22]	LRI [1.29]	Congenital [0.76]	Diarrhea [2.49]	STI [3.85]	PEM [3.33]	Meningitis [0.45]	SIDS [0.71]	Malaria [3990.56]	Falls [3.95]
Rajasthan	Neonatal [0.96]	LRI [1.39]	Congenital [0.45]	Diarrhea [0.68]	PEM [1.09]	Malaria [226.58]	STI [0.83]	TB [1.78]	Meningitis [0.3]	SIDS [0.84]
Sikkim	Neonatal [0.68]	LRI [1.36]	Congenital [0.35]	Diarrhea [1.58]	STI [4.6]	SIDS [0.66]	Measles [25.96]	Encepha [1.69]	Meningitis [0.27]	Hep [6.52]
Tamil Nadu	Neonatal [0.58]	Congenital [0.46]	LRI [0.49]	Diarrhea [0.81]	STI [3.08]	PEM [1.77]	Meningitis [0.31]	SIDS [0.5]	Falls [3.66]	Encepha [1.53]
Telangana	Neonatal [0.85]	LRI [0.48]	Congenital [0.39]	Diarrhea [1.08]	STI [2.3]	HIV [4.57]	PEM [1.11]	Meningitis [0.27]	SIDS [0.64]	Encepha [1.67]
Tripura	Neonatal [1.2]	LRI [1.68]	Congenital [0.86]	Diarrhea [1.15]	Malaria [3105.23]	STI [1.76]	F Body [1.18]	PEM [1.37]	Hep [12.66]	SIDS [1.12]
Uttar Pradesh	Neonatal [1.17]	LRI [1.11]	Diarrhea [1.78]	Congenital [0.78]	PEM [1.74]	Meningitis [0.55]	Tetanus [38.9]	STI [0.96]	Malaria [224.22]	TB [1.75]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Uttarakhand	Neonatal [0.96]	LRI [1.31]	Congenital [0.48]	Diarrhea [1.48]	STI [3.59]	PEM [2.61]	Meningitis [0.5]	Tetanus [276.41]	SIDS [0.74]	TB [2.89]
W Bengal	Neonatal [0.84]	LRI [0.8]	Congenital [0.54]	Diarrhea [0.51]	STI [1.51]	PEM [0.98]	Measles [5.62]	SIDS [0.73]	Meningitis [0.24]	F Body [0.49]
UTs other than Delhi	Neonatal [1.77]	LRI [1.81]	Congenital [0.85]	Diarrhea [2.61]	STI [8.47]	Meningitis [0.98]	SIDS [0.93]	Falls [7.72]	Malaria [19411.65]	PEM [4.04]
Nepal	Neonatal [0.56]	LRI [0.5]	Congenital [0.23]	Diarrhea [0.16]	STI [0.8]	Whooping [0.57]	PEM [0.31]	Tetanus [5.3]	SIDS [0.6]	Meningitis [0.13]
Pakistan	Neonatal [1.6]	LRI [0.65]	Diarrhea [0.93]	Congenital [0.55]	Meningitis [0.82]	STI [1.29]	Whooping [1.02]	SIDS [1.0]	PEM [0.39]	TB [0.89]
Southeast Asia, East Asia, and Oceania	Neonatal [0.65]	Congenital [0.59]	LRI [1.04]	Diarrhea [1.84]	STI [5.01]	F Body [0.87]	Meningitis [0.59]	Ileus [1.82]	PEM [2.31]	SIDS [0.25]
East Asia	Neonatal [0.44]	Congenital [0.49]	LRI [0.87]	F Body [1.2]	Diarrhea [0.75]	STI [1.92]	Ileus [1.67]	Meningitis [0.26]	Leukemia [1.9]	Road Inj [0.9]
China	Neonatal [0.42]	Congenital [0.47]	LRI [0.79]	F Body [1.15]	Diarrhea [0.66]	STI [1.81]	Ileus [1.59]	Meningitis [0.24]	Leukemia [1.86]	Road Inj [0.87]
N Korea	Neonatal [0.5]	LRI [0.63]	Congenital [0.73]	Diarrhea [0.41]	F Body [1.41]	PEM [0.66]	Ileus [1.27]	Meningitis [0.19]	Whooping [0.92]	TB [1.11]
Taiwan	Neonatal [0.72]	Congenital [0.61]	F Body [2.34]	LRI [1.42]	SIDS [0.48]	Diarrhea [2.88]	Oth Un Inf [1.08]	STI [3.4]	Endocrine [0.26]	Falls [1.34]
Oceania	Neonatal [0.58]	Congenital [0.73]	LRI [0.37]	STI [3.74]	Diarrhea [0.45]	Meningitis [0.57]	PEM [1.01]	Whooping [0.99]	Stroke [2.88]	F Body [0.55]
Am Samoa	Neonatal [0.56]	Congenital [0.3]	LRI [0.66]	STI [5.05]	F Body [0.83]	Endocrine [0.92]	Med Treat [2.69]	PEM [3.95]	Diarrhea [0.46]	Meningitis [0.37]
Micronesia	Neonatal [0.5]	Congenital [0.4]	LRI [0.3]	STI [2.74]	Whooping [3.25]	Meningitis [0.21]	Diarrhea [0.1]	PEM [0.51]	SIDS [0.37]	F Body [0.25]
Fiji	Neonatal [0.91]	Congenital [0.82]	LRI [0.84]	Diarrhea [1.09]	F Body [0.75]	Meningitis [0.55]	STI [1.16]	Oth Un Inf [1.65]	Whooping [2.88]	PEM [1.48]
Guam	Neonatal [1.48]	Congenital [0.97]	LRI [3.79]	STI [10.27]	F Body [0.96]	Meningitis [1.11]	CMP [2.52]	SIDS [0.28]	Diarrhea [1.38]	PEM [23.55]
Kiribati	Neonatal [0.64]	Congenital [0.8]	LRI [0.17]	Diarrhea [0.19]	PEM [0.7]	Meningitis [0.42]	Whooping [0.88]	Measles [1.37]	Med Treat [1.5]	SIDS [0.43]
Marshall	Neonatal [0.56]	Congenital [0.55]	LRI [0.37]	Whooping [2.82]	STI [0.66]	Meningitis [0.24]	Measles [5.07]	PEM [0.52]	Diarrhea [0.1]	F Body [0.32]
N Mariana	Neonatal [0.5]	Congenital [0.26]	LRI [0.62]	STI [5.55]	Diarrhea [0.68]	F Body [0.32]	SIDS [0.14]	Measles [42.84]	PEM [3.67]	Med Treat [1.01]
PNG	Neonatal [0.53]	Congenital [0.75]	LRI [0.32]	STI [2.76]	Diarrhea [0.36]	Meningitis [0.52]	PEM [0.79]	Whooping [0.71]	Stroke [2.92]	F Body [0.62]
Samoa	Neonatal [0.34]	Congenital [0.26]	LRI [0.2]	STI [0.99]	Whooping [2.16]	Measles [8.68]	Diarrhea [0.08]	SIDS [0.3]	Meningitis [0.12]	F Body [0.16]
Solomon	Neonatal [0.29]	STI [4.96]	Congenital [0.36]	LRI [0.19]	Diarrhea [0.07]	Whooping [0.38]	PEM [0.16]	Meningitis [0.09]	Vit A [1.06]	SIDS [0.23]
Tonga	Neonatal [0.58]	Congenital [0.3]	LRI [0.37]	Meningitis [0.9]	PEM [1.18]	Whooping [2.23]	F Body [0.3]	Measles [13.15]	SIDS [0.35]	Dengue [79.4]
Vanuatu	Neonatal [0.48]	LRI [0.38]	Congenital [0.55]	STI [2.78]	Diarrhea [0.14]	Whooping [0.94]	Meningitis [0.18]	PEM [0.33]	Stroke [1.52]	F Body [0.33]
Southeast Asia	Neonatal [0.85]	Congenital [0.71]	LRI [1.01]	Diarrhea [2.17]	STI [6.03]	Meningitis [0.82]	Ileus [1.87]	F Body [0.47]	Dengue [146.03]	TB [3.99]
Cambodia	Neonatal [0.53]	LRI [0.75]	Congenital [0.71]	Diarrhea [0.17]	Ileus [1.95]	Oth Un Inf [1.88]	Meningitis [0.23]	HIV [2.62]	TB [0.87]	Malaria [61.6]
Indonesia	Neonatal [0.99]	Congenital [0.65]	LRI [0.91]	Diarrhea [4.25]	STI [14.23]	Meningitis [1.17]	Dengue [402.59]	Measles [63.02]	Ileus [2.67]	PEM [3.03]
Laos	Neonatal [1.15]	LRI [1.66]	Congenital [1.38]	Diarrhea [1.53]	Meningitis [1.06]	F Body [1.18]	TB [2.61]	PEM [0.8]	Whooping [1.47]	Road Inj [2.96]
Malaysia	Neonatal [0.5]	Congenital [0.61]	LRI [0.65]	HIV [8.58]	F Body [0.68]	Diarrhea [1.11]	Meningitis [0.57]	SIDS [0.21]	PEM [5.83]	Whooping [5.11]
Maldives	Neonatal [0.43]	Congenital [0.27]	LRI [0.08]	Endocrine [0.89]	SIDS [0.3]	Diarrhea [0.17]	STI [0.63]	Dengue [73.88]	PEM [0.77]	F Body [0.12]
Mauritius	Neonatal [1.15]	Congenital [0.76]	LRI [0.64]	SIDS [0.74]	Diarrhea [1.41]	F Body [0.89]	Meningitis [0.47]	Med Treat [2.87]	Iron [3.34]	PEM [3.43]
Myanmar	Neonatal [0.97]	Congenital [1.34]	LRI [1.13]	Diarrhea [0.97]	Meningitis [0.91]	Oth Un Inf [6.11]	STI [1.58]	Ileus [2.66]	F Body [0.79]	Whooping [2.17]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Philippines	Neonatal [0.84]	LRI [0.95]	Congenital [0.6]	Diarrhea [1.06]	STI [2.94]	Meningitis [0.59]	F Body [0.46]	SIDS [0.59]	PEM [1.28]	TB [2.83]
Sri Lanka	Neonatal [0.51]	Congenital [0.39]	LRI [0.17]	F Body [0.3]	SIDS [0.23]	PEM [1.33]	Meningitis [0.16]	Diarrhea [0.15]	Whooping [1.82]	CMP [0.64]
Seychelles	Neonatal [0.64]	Congenital [0.64]	LRI [1.08]	Meningitis [1.02]	SIDS [0.42]	Diarrhea [0.48]	Whooping [5.39]	F Body [0.28]	Ileus [0.99]	Endocrine [0.49]
Thailand	Neonatal [0.45]	Congenital [0.39]	LRI [0.34]	Diarrhea [0.57]	F Body [0.32]	SIDS [0.28]	Whooping [3.84]	Iron [2.53]	Oth Un Inf [0.86]	Meningitis [0.18]
Timor-Leste	Neonatal [0.62]	LRI [0.62]	Congenital [0.79]	Diarrhea [0.42]	Meningitis [0.37]	STI [0.73]	PEM [0.48]	F Body [0.53]	HIV [2.56]	Whooping [0.66]
Vietnam	Neonatal [0.31]	Congenital [0.61]	LRI [0.33]	Whooping [2.33]	F Body [0.38]	Encepha [1.29]	Meningitis [0.16]	SIDS [0.31]	Diarrhea [0.1]	Drown [1.65]
Sub-Saharan Africa	Neonatal [0.85]	LRI [0.76]	Diarrhea [1.05]	Congenital [0.64]	Malaria [239.46]	STI [1.89]	Meningitis [0.88]	HIV [10.69]	PEM [1.14]	Whooping [1.16]
Central Sub-Saharan Africa	Neonatal [0.84]	LRI [0.78]	Congenital [0.96]	Malaria [559.64]	Diarrhea [1.06]	STI [2.91]	PEM [1.54]	Meningitis [0.69]	Whooping [1.83]	TB [1.88]
Angola	Neonatal [0.78]	Diarrhea [1.28]	LRI [0.55]	Congenital [0.7]	STI [2.88]	Malaria [226.92]	PEM [1.54]	Meningitis [0.65]	HIV [8.42]	Measles [2.28]
C African Rep	Neonatal [1.14]	Diarrhea [1.84]	LRI [1.08]	Congenital [1.35]	Malaria [17.14]	STI [2.34]	PEM [1.63]	Meningitis [0.99]	Whooping [2.04]	TB [2.28]
Congo	Neonatal [0.93]	Congenital [0.64]	HIV [49.91]	Diarrhea [2.26]	LRI [0.57]	STI [9.18]	Malaria [13959.58]	Meningitis [0.64]	PEM [1.87]	Whooping [2.82]
Congo DR	Neonatal [0.64]	LRI [0.59]	Malaria [32.78]	Congenital [0.96]	Diarrhea [0.49]	STI [1.53]	PEM [0.79]	Whooping [1.16]	Meningitis [0.47]	TB [1.12]
Eq Guinea	Neonatal [1.09]	Malaria [145294.81]	Congenital [0.8]	STI [16.58]	LRI [0.79]	HIV [50.51]	Diarrhea [2.39]	Meningitis [1.01]	PEM [3.37]	Measles [34.96]
Gabon	Neonatal [1.6]	Congenital [1.02]	Malaria [189880.94]	LRI [1.19]	Diarrhea [3.53]	STI [13.95]	Meningitis [1.31]	HIV [12.61]	PEM [5.36]	SIDS [0.8]
Eastern Sub-Saharan Africa	Neonatal [0.64]	LRI [0.44]	Diarrhea [0.57]	Congenital [0.64]	STI [1.38]	Malaria [15.11]	HIV [12.31]	PEM [0.73]	Meningitis [0.45]	Whooping [0.79]
Burundi	Neonatal [0.53]	LRI [0.39]	Congenital [0.95]	Malaria [7.95]	Diarrhea [0.34]	PEM [0.82]	Meningitis [0.35]	Measles [0.34]	TB [0.69]	Oth Un Inf [1.23]
Comoros	Neonatal [0.67]	LRI [0.42]	Congenital [0.71]	Diarrhea [0.48]	STI [1.2]	PEM [0.6]	Meningitis [0.36]	Whooping [0.82]	Oth Un Inf [1.52]	SIDS [0.72]
Djibouti	Neonatal [0.5]	LRI [0.4]	Congenital [0.51]	Diarrhea [0.51]	STI [2.29]	PEM [0.92]	Whooping [1.52]	Meningitis [0.37]	HIV [4.39]	Oth Un Inf [1.95]
Eritrea	Neonatal [0.67]	LRI [0.55]	Diarrhea [0.73]	Congenital [0.66]	STI [1.11]	PEM [0.91]	Meningitis [0.49]	HIV [5.44]	Oth Un Inf [2.48]	TB [1.09]
Ethiopia	Neonatal [0.58]	Diarrhea [0.53]	LRI [0.31]	Congenital [0.38]	STI [0.79]	PEM [0.52]	Whooping [0.79]	Meningitis [0.35]	Oth Un Inf [1.71]	SIDS [0.68]
Kenya	Neonatal [0.65]	LRI [0.69]	Diarrhea [1.5]	Congenital [0.6]	HIV [19.23]	Meningitis [0.63]	PEM [1.09]	STI [1.09]	Tetanus [44.09]	Malaria [302.41]
Baringo	Neonatal [0.52]	LRI [0.5]	Diarrhea [1.01]	Congenital [0.5]	Meningitis [0.38]	PEM [0.62]	STI [0.62]	Oth Un Inf [1.48]	HIV [2.46]	Whooping [0.42]
Bomet	Neonatal [0.46]	HIV [42.44]	Diarrhea [0.71]	LRI [0.25]	Congenital [0.27]	STI [0.72]	Meningitis [0.2]	PEM [0.23]	Oth Un Inf [0.9]	iNTS [8.97]
Bungoma	Neonatal [0.67]	Diarrhea [1.51]	LRI [0.61]	Congenital [0.62]	Malaria [155.04]	Meningitis [0.56]	PEM [0.86]	STI [0.88]	Whooping [1.32]	Tetanus [17.92]
Busia	Neonatal [0.71]	LRI [0.97]	Diarrhea [1.33]	Congenital [0.93]	Malaria [299.38]	Meningitis [0.79]	PEM [1.05]	Whooping [0.95]	Tetanus [12.88]	STI [0.55]
Elgeyo-Marakwet	Neonatal [0.95]	Diarrhea [1.97]	LRI [0.63]	Congenital [0.65]	STI [1.65]	Meningitis [0.52]	HIV [7.66]	PEM [1.0]	Whooping [1.09]	Oth Un Inf [2.24]
Embu	Neonatal [0.8]	LRI [1.02]	Diarrhea [2.86]	Congenital [0.78]	PEM [2.51]	Meningitis [0.97]	HIV [13.67]	STI [1.7]	SIDS [1.08]	Whooping [1.59]
Garissa	Neonatal [0.23]	Diarrhea [0.39]	LRI [0.2]	Congenital [0.24]	HIV [9.84]	Tetanus [2.47]	STI [0.24]	Meningitis [0.15]	SIDS [0.58]	PEM [0.15]
HomaBay	Neonatal [0.65]	LRI [1.06]	HIV [59.54]	Diarrhea [1.23]	Congenital [1.03]	Meningitis [0.89]	Malaria [55.12]	PEM [1.16]	TB [1.83]	STI [0.62]
Isiolo	Neonatal [0.65]	LRI [0.98]	Congenital [1.01]	Diarrhea [0.54]	Meningitis [0.76]	PEM [1.0]	Tetanus [9.31]	HIV [8.49]	Whooping [0.91]	TB [1.31]
Kajiado	Neonatal [0.52]	LRI [0.39]	Diarrhea [0.92]	Congenital [0.34]	STI [1.11]	Meningitis [0.4]	Whooping [1.87]	Tetanus [49.45]	HIV [3.15]	PEM [0.54]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Kakamega	Neonatal [0.62]	LRI [0.75]	Diarrhea [1.28]	Congenital [0.71]	Meningitis [0.66]	Malaria [94.42]	PEM [0.99]	HIV [8.34]	STI [0.67]	Whooping [0.84]
Kericho	Neonatal [0.83]	Diarrhea [1.27]	LRI [0.51]	Congenital [0.56]	HIV [18.7]	STI [1.27]	Meningitis [0.43]	Whooping [1.04]	PEM [0.58]	iNTS [21.0]
Kiambu	Neonatal [1.36]	LRI [1.32]	Congenital [0.95]	Diarrhea [3.04]	Meningitis [1.33]	STI [3.89]	PEM [2.84]	HIV [9.65]	Whooping [4.89]	SIDS [1.28]
Kilifi	Neonatal [0.62]	Diarrhea [1.57]	LRI [0.58]	Congenital [0.58]	HIV [12.88]	PEM [1.03]	Meningitis [0.49]	Tetanus [16.98]	STI [0.68]	Malaria [57.29]
Kirinyaga	Neonatal [0.98]	LRI [0.96]	Diarrhea [2.71]	Congenital [0.9]	Meningitis [0.9]	STI [1.72]	PEM [1.35]	HIV [7.2]	SIDS [0.84]	Malaria [574.43]
Kisii	Neonatal [1.05]	Diarrhea [3.01]	LRI [0.99]	Congenital [0.95]	Meningitis [0.82]	STI [1.8]	PEM [1.13]	HIV [6.51]	iNTS [23.95]	Oth Un Inf [1.86]
Kisumu	Neonatal [0.88]	LRI [1.01]	Congenital [1.11]	HIV [56.76]	Diarrhea [1.34]	Meningitis [1.34]	Malaria [1157.03]	STI [2.08]	Whooping [2.23]	PEM [1.1]
Kitui	Neonatal [0.5]	Diarrhea [0.88]	LRI [0.29]	Congenital [0.34]	HIV [13.96]	STI [0.61]	Whooping [0.84]	Meningitis [0.26]	Tetanus [12.86]	PEM [0.36]
Kwale	Neonatal [0.59]	LRI [0.42]	Diarrhea [0.73]	Congenital [0.46]	HIV [11.31]	Malaria [92.69]	Meningitis [0.34]	PEM [0.55]	Tetanus [14.45]	STI [0.51]
Laikipia	Neonatal [0.61]	HIV [37.88]	LRI [0.35]	Diarrhea [1.1]	Congenital [0.33]	STI [1.56]	Meningitis [0.33]	Oth Un Inf [1.57]	Tetanus [45.63]	Whooping [0.9]
Lamu	Neonatal [1.2]	LRI [1.15]	Congenital [1.34]	Diarrhea [1.34]	Meningitis [1.13]	PEM [1.83]	Tetanus [35.77]	Whooping [1.96]	HIV [7.86]	STI [0.96]
Machakos	Neonatal [1.28]	Diarrhea [2.85]	LRI [0.88]	Congenital [0.87]	HIV [51.62]	STI [2.07]	Meningitis [0.82]	PEM [1.23]	Whooping [1.58]	Oth Un Inf [2.61]
Makueni	Neonatal [0.19]	HIV [28.35]	Diarrhea [0.38]	LRI [0.12]	Congenital [0.13]	STI [0.28]	Meningitis [0.1]	Whooping [0.31]	PEM [0.14]	iNTS [5.33]
Mandera	Neonatal [0.15]	Diarrhea [0.27]	LRI [0.16]	Tetanus [1.79]	Congenital [0.13]	HIV [4.4]	PEM [0.17]	Meningitis [0.12]	STI [0.15]	Whooping [0.18]
Marsabit	Neonatal [0.52]	LRI [0.44]	Diarrhea [0.66]	HIV [24.65]	Congenital [0.49]	Tetanus [6.34]	PEM [0.53]	Meningitis [0.32]	STI [0.39]	Whooping [0.35]
Meru	Neonatal [0.97]	LRI [1.13]	Diarrhea [2.6]	Congenital [0.93]	HIV [35.76]	Meningitis [1.05]	PEM [1.99]	STI [1.48]	Whooping [1.53]	Malaria [391.0]
Migori	Neonatal [0.76]	LRI [1.05]	Diarrhea [1.39]	Congenital [1.09]	HIV [52.0]	Meningitis [0.82]	Malaria [42.08]	PEM [0.95]	STI [0.66]	Tetanus [9.23]
Mombasa	Neonatal [1.04]	LRI [1.32]	Diarrhea [3.45]	Congenital [0.93]	Meningitis [1.43]	PEM [3.36]	STI [2.99]	HIV [10.25]	Whooping [4.07]	SIDS [1.41]
Murang'a	Neonatal [0.8]	LRI [0.97]	Congenital [1.03]	HIV [24.49]	Meningitis [1.27]	Diarrhea [0.49]	Whooping [3.92]	STI [1.89]	PEM [1.29]	SIDS [1.3]
Nairobi	Neonatal [1.13]	LRI [1.54]	Congenital [0.63]	Diarrhea [3.61]	STI [12.16]	Meningitis [1.48]	HIV [9.71]	PEM [7.13]	SIDS [0.77]	Oth Un Inf [3.05]
Nakuru	Neonatal [0.77]	LRI [1.07]	Congenital [0.86]	Diarrhea [2.11]	Meningitis [1.04]	PEM [2.7]	STI [1.48]	HIV [6.21]	TB [2.16]	SIDS [0.88]
Nandi	Neonatal [0.6]	Diarrhea [1.18]	LRI [0.41]	Congenital [0.42]	HIV [18.54]	STI [1.05]	Meningitis [0.35]	PEM [0.52]	iNTS [18.2]	Malaria [140.86]
Narok	Neonatal [0.17]	LRI [0.16]	Diarrhea [0.26]	Congenital [0.17]	Meningitis [0.13]	STI [0.22]	PEM [0.19]	Tetanus [1.98]	Whooping [0.22]	HIV [1.21]
Nyamira	Neonatal [0.86]	LRI [0.59]	Congenital [0.6]	Diarrhea [1.43]	HIV [19.45]	STI [1.95]	Meningitis [0.53]	iNTS [21.89]	Oth Un Inf [1.5]	Tetanus [42.65]
Nyandarua	Neonatal [1.04]	LRI [1.35]	Congenital [1.06]	Diarrhea [2.49]	Meningitis [1.34]	PEM [2.43]	Whooping [3.38]	HIV [9.51]	STI [1.59]	TB [2.9]
Nyeri	Neonatal [0.93]	LRI [1.56]	Congenital [1.08]	Diarrhea [2.28]	Meningitis [1.85]	PEM [3.92]	HIV [17.13]	Whooping [5.67]	STI [2.45]	TB [4.04]
Samburu	Neonatal [0.33]	HIV [35.32]	Diarrhea [0.37]	LRI [0.24]	Congenital [0.25]	Tetanus [3.02]	PEM [0.26]	STI [0.27]	Meningitis [0.16]	Whooping [0.35]
Siaya	Neonatal [0.64]	LRI [0.84]	Diarrhea [1.21]	Congenital [0.9]	Malaria [387.98]	HIV [18.22]	Meningitis [0.66]	PEM [0.64]	STI [0.63]	TB [1.05]
TaitaTaveta	Neonatal [0.68]	LRI [0.8]	Diarrhea [1.76]	Congenital [0.65]	HIV [31.94]	Meningitis [0.89]	STI [1.86]	PEM [1.76]	Whooping [2.31]	SIDS [1.28]
TanaRiver	Neonatal [0.82]	LRI [0.55]	Diarrhea [0.58]	HIV [30.6]	Congenital [0.66]	Tetanus [13.67]	PEM [0.62]	Meningitis [0.41]	STI [0.49]	Whooping [0.71]
TharakaNithi	Neonatal [1.22]	Diarrhea [6.36]	LRI [1.72]	Congenital [1.25]	PEM [5.78]	Meningitis [1.61]	STI [2.46]	TB [3.73]	SIDS [1.76]	Whooping [2.28]

eFigure 7b. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
TransNzoia	Neonatal [0.44]	Diarrhea [1.18]	LRI [0.38]	HIV [28.1]	Congenital [0.32]	STI [1.01]	Meningitis [0.35]	Whooping [1.01]	Tetanus [24.74]	PEM [0.49]
Turkana	Neonatal [0.32]	Diarrhea [0.44]	LRI [0.28]	HIV [15.78]	Congenital [0.35]	Tetanus [2.97]	PEM [0.35]	Meningitis [0.21]	Malaria [0.47]	STI [0.18]
UasinGishu	Neonatal [0.66]	Diarrhea [2.45]	LRI [0.66]	Congenital [0.53]	Meningitis [0.63]	PEM [1.56]	STI [1.52]	HIV [6.97]	Whooping [1.4]	Oth Un Inf [1.78]
Vihiga	Neonatal [0.33]	LRI [0.34]	Diarrhea [0.64]	Congenital [0.38]	Malaria [141.88]	Meningitis [0.31]	PEM [0.35]	STI [0.31]	Whooping [0.37]	Tetanus [7.08]
Wajir	Neonatal [0.29]	Diarrhea [0.53]	LRI [0.29]	Congenital [0.36]	Tetanus [1.86]	PEM [0.26]	Meningitis [0.22]	Whooping [0.44]	Measles [0.18]	SIDS [0.7]
WestPokot	Neonatal [0.42]	Diarrhea [0.92]	LRI [0.35]	Congenital [0.34]	Tetanus [7.55]	HIV [6.03]	PEM [0.47]	STI [0.48]	Meningitis [0.25]	Whooping [0.53]
Madagascar	Neonatal [0.56]	LRI [0.56]	Diarrhea [0.85]	Congenital [0.59]	PEM [1.31]	STI [1.4]	Malaria [2.5]	Meningitis [0.34]	Oth Un Inf [1.68]	Whooping [0.47]
Malawi	Neonatal [0.6]	LRI [0.31]	Congenital [0.68]	HIV [27.08]	STI [1.35]	Diarrhea [0.25]	Malaria [6.83]	Meningitis [0.36]	PEM [0.34]	Whooping [0.55]
Mozambique	Neonatal [0.62]	HIV [62.22]	Congenital [0.81]	Malaria [11.55]	LRI [0.28]	Diarrhea [0.27]	STI [1.32]	Meningitis [0.31]	SIDS [0.98]	TB [0.59]
Rwanda	Neonatal [0.54]	LRI [0.38]	Congenital [0.71]	Diarrhea [0.41]	Malaria [20.25]	PEM [0.73]	Meningitis [0.43]	STI [0.35]	SIDS [0.8]	HIV [2.78]
Somalia	Neonatal [0.44]	LRI [0.38]	Diarrhea [0.35]	Whooping [1.85]	STI [1.07]	Congenital [0.37]	Measles [0.5]	PEM [0.45]	Meningitis [0.4]	Tetanus [0.75]
S Sudan	Neonatal [0.7]	LRI [0.81]	Diarrhea [0.83]	STI [1.6]	Congenital [0.5]	Malaria [2.16]	Meningitis [0.77]	PEM [0.82]	TB [0.9]	Measles [0.33]
Tanzania	Neonatal [0.68]	Congenital [1.07]	LRI [0.5]	STI [1.71]	Malaria [39.88]	Diarrhea [0.23]	PEM [0.7]	Meningitis [0.4]	SIDS [1.16]	Whooping [0.63]
Uganda	Neonatal [0.64]	Malaria [44.07]	Congenital [0.64]	LRI [0.24]	STI [2.2]	Diarrhea [0.29]	HIV [12.48]	Meningitis [0.52]	PEM [0.47]	Whooping [0.6]
Zambia	Neonatal [0.73]	LRI [0.55]	HIV [46.93]	Congenital [0.75]	Diarrhea [0.8]	Malaria [296.89]	STI [1.79]	PEM [1.16]	Meningitis [0.61]	TB [1.12]
Southern Sub-Saharan Africa	Neonatal [1.21]	LRI [1.77]	Diarrhea [5.47]	HIV [48.92]	Congenital [0.35]	STI [7.59]	PEM [9.34]	TB [11.71]	Meningitis [0.75]	Whooping [5.96]
Botswana	Neonatal [1.01]	Diarrhea [5.49]	LRI [0.74]	Congenital [0.19]	HIV [15.94]	STI [2.75]	PEM [3.84]	Oth Un Inf [2.06]	SIDS [0.33]	TB [3.9]
Lesotho	Neonatal [0.93]	LRI [0.81]	Diarrhea [1.84]	HIV [61.23]	Congenital [0.37]	STI [1.78]	PEM [1.4]	TB [2.62]	Meningitis [0.28]	Oth Un Inf [1.27]
Namibia	Neonatal [1.2]	HIV [90.73]	LRI [0.98]	Diarrhea [3.97]	Congenital [0.29]	PEM [3.55]	STI [1.94]	TB [5.24]	Oth Un Inf [2.51]	Meningitis [0.38]
S Africa	Neonatal [1.17]	LRI [1.62]	Diarrhea [8.49]	HIV [64.42]	Congenital [0.36]	STI [14.31]	PEM [11.12]	TB [12.8]	SIDS [0.78]	Oth Un Inf [3.41]
Swaziland	Neonatal [0.86]	LRI [1.29]	Diarrhea [4.45]	HIV [58.05]	Congenital [0.33]	PEM [4.39]	STI [3.04]	TB [6.58]	Meningitis [0.54]	SIDS [0.75]
Zimbabwe	Neonatal [0.83]	LRI [1.0]	Diarrhea [0.66]	Congenital [0.33]	PEM [1.84]	HIV [11.79]	TB [2.74]	Meningitis [0.46]	STI [0.75]	Whooping [0.8]
Western Sub-Saharan Africa	Neonatal [0.95]	LRI [0.94]	Diarrhea [1.22]	Malaria [271.09]	Congenital [0.57]	Meningitis [1.22]	STI [1.52]	PEM [1.07]	HIV [7.27]	Whooping [1.01]
Benin	Neonatal [0.81]	LRI [0.46]	Malaria [33.56]	Diarrhea [0.57]	Congenital [0.64]	Meningitis [0.58]	PEM [0.58]	Whooping [0.73]	STI [0.49]	SIDS [0.88]
Burkina Faso	Neonatal [0.49]	LRI [0.48]	Malaria [7.51]	Congenital [0.83]	Diarrhea [0.38]	Meningitis [0.72]	PEM [0.54]	iNTS [9.03]	SIDS [0.94]	TB [0.51]
Cameroon	Neonatal [0.75]	Diarrhea [1.36]	LRI [0.57]	Malaria [1324.5]	Congenital [0.52]	STI [2.58]	Meningitis [0.66]	HIV [7.84]	PEM [0.94]	Whooping [0.86]
Cape Verde	Neonatal [0.77]	Congenital [0.44]	LRI [0.25]	Diarrhea [0.25]	SIDS [0.98]	STI [0.9]	Meningitis [0.23]	F Body [0.45]	HIV [2.97]	PEM [0.39]
Chad	Neonatal [0.61]	Diarrhea [0.81]	LRI [0.59]	Congenital [0.45]	Malaria [1.28]	Meningitis [0.64]	PEM [0.54]	Whooping [0.57]	STI [0.32]	TB [0.61]
Cote d'Ivoire	Neonatal [0.91]	LRI [0.6]	Diarrhea [0.77]	Congenital [0.78]	Malaria [81.23]	HIV [10.39]	Meningitis [0.6]	STI [0.99]	PEM [0.74]	SIDS [1.09]
Gambia	Neonatal [0.68]	LRI [0.31]	Congenital [0.41]	Diarrhea [0.3]	STI [1.58]	Meningitis [0.4]	PEM [0.42]	Whooping [0.65]	HIV [3.84]	Hemog [5.62]
Ghana	Neonatal [1.16]	Congenital [0.59]	LRI [0.46]	Malaria [5267.9]	Diarrhea [1.15]	STI [3.04]	Meningitis [0.76]	PEM [1.48]	HIV [7.3]	SIDS [0.82]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.33]	(0.33-0.46]	(0.46-0.58]	(0.58-0.7]	(0.7-0.84]	(0.84-1.03]	(1.03-1.38]	(1.38-2.46]	2.46+
	1	2	3	4	5	6	7	8	9	10
Guinea	Neonatal [0.7]	LRI [0.6]	Malaria [10.64]	Congenital [0.67]	Diarrhea [0.32]	Meningitis [0.65]	PEM [0.67]	STI [0.75]	Whooping [0.98]	SIDS [0.93]
Guinea-Bissau	Neonatal [0.79]	Diarrhea [0.59]	LRI [0.28]	Congenital [0.6]	STI [1.89]	Measles [1.09]	Meningitis [0.45]	Whooping [0.72]	PEM [0.4]	HIV [5.09]
Liberia	Neonatal [0.49]	STI [2.47]	LRI [0.29]	Diarrhea [0.42]	Malaria [7.82]	Congenital [0.5]	Meningitis [0.39]	Measles [0.73]	Whooping [0.86]	PEM [0.34]
Mali	Neonatal [0.79]	Malaria [4.73]	LRI [0.3]	Diarrhea [0.36]	Congenital [0.77]	STI [1.21]	Meningitis [0.75]	PEM [0.52]	Whooping [0.66]	iNTS [7.85]
Mauritania	Neonatal [0.79]	LRI [0.47]	Diarrhea [0.78]	Congenital [0.43]	STI [2.02]	Meningitis [0.47]	PEM [0.82]	Whooping [0.84]	SIDS [0.87]	Malaria [65.28]
Niger	Neonatal [0.35]	LRI [0.3]	Diarrhea [0.33]	Malaria [0.97]	Congenital [0.38]	Meningitis [0.63]	Whooping [0.44]	PEM [0.14]	Measles [0.08]	SIDS [0.47]
Nigeria	Neonatal [1.21]	LRI [1.61]	Diarrhea [2.21]	Malaria [1877.36]	Congenital [0.51]	Meningitis [1.98]	STI [2.55]	HIV [12.98]	PEM [1.8]	Measles [5.89]
Sao Tome Principe	Neonatal [0.56]	Congenital [0.55]	LRI [0.38]	Diarrhea [0.34]	PEM [1.16]	SIDS [1.13]	Other MN [7.5]	STI [0.57]	Whooping [0.84]	Ileus [1.53]
Senegal	Neonatal [0.56]	LRI [0.32]	Diarrhea [0.43]	Congenital [0.44]	Meningitis [0.37]	STI [0.54]	PEM [0.31]	Malaria [3.28]	SIDS [0.8]	Whooping [0.38]
Sierra Leone	Neonatal [0.89]	Malaria [45.68]	LRI [0.73]	Congenital [1.06]	Diarrhea [0.64]	PEM [1.23]	Meningitis [0.89]	STI [1.25]	TB [1.03]	SIDS [1.25]
Togo	Neonatal [0.72]	Malaria [117.28]	Diarrhea [0.68]	LRI [0.35]	Congenital [0.49]	STI [0.89]	Meningitis [0.33]	PEM [0.39]	Whooping [0.61]	iNTS [13.37]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Global	**Malaria** [17944.77]	**Diarrhea** [5.99]	**LRI** [1.96]	**Congenital** [0.83]	**PEM** [16.24]	**Meningitis** [1.62]	**Measles** [37.97]	**Drown** [1.07]	**Neonatal** [1.06]	**Whooping** [13.27]
Low SDI	**Malaria** [32.4]	**Diarrhea** [0.61]	**LRI** [0.46]	**PEM** [0.89]	**Congenital** [0.61]	**Measles** [0.52]	**Meningitis** [0.45]	**Whooping** [0.79]	**Drown** [0.54]	**Iron** [1.16]
Low-middle SDI	**Malaria** [1479.55]	**Diarrhea** [1.91]	**LRI** [0.93]	**Meningitis** [1.02]	**PEM** [2.43]	**Congenital** [0.62]	**Measles** [3.93]	**Drown** [0.62]	**Neonatal** [0.98]	**Iron** [1.65]
Middle SDI	**LRI** [0.65]	**Congenital** [0.5]	**Neonatal** [1.04]	**Diarrhea** [1.37]	**Drown** [0.78]	**Road Inj** [0.54]	**Asthma** [0.97]	**PEM** [4.3]	**Measles** [13.73]	**Dermatitis** [0.69]
High-middle SDI	**Congenital** [1.4]	**Neonatal** [1.5]	**Road Inj** [1.91]	**LRI** [3.59]	**Drown** [2.32]	**Diarrhea** [2.43]	**Dermatitis** [0.57]	**Asthma** [1.06]	**Leukemia** [1.62]	**Falls** [1.32]
High SDI	**Dermatitis** [1.32]	**Neonatal** [0.8]	**Congenital** [0.42]	**Asthma** [0.87]	**Road Inj** [0.39]	**URI** [1.16]	**Diarrhea** [0.58]	**Skin Viral** [0.9]	**Drown** [0.36]	**Urticaria** [0.74]
Central Europe, Eastern Europe, and Central Asia	**LRI** [3.5]	**Congenital** [0.82]	**Neonatal** [1.26]	**Diarrhea** [2.0]	**Drown** [1.13]	**Dermatitis** [0.54]	**Iron** [3.69]	**Fire** [1.29]	**Road Inj** [0.49]	**Falls** [1.23]
Central Asia	**LRI** [2.89]	**Congenital** [0.68]	**Drown** [1.2]	**Diarrhea** [1.67]	**Neonatal** [0.86]	**Iron** [2.76]	**Fire** [1.01]	**Vit A** [1.26]	**Encepha** [1.78]	**Road Inj** [0.39]
Armenia	**Congenital** [0.64]	**LRI** [0.87]	**Iron** [5.43]	**Neonatal** [0.83]	**Diarrhea** [0.81]	**Dermatitis** [0.48]	**Urticaria** [1.05]	**Skin Viral** [0.83]	**Brain C** [0.95]	**F Body** [0.53]
Azerbaijan	**LRI** [4.46]	**Congenital** [0.78]	**Neonatal** [0.87]	**Fire** [2.1]	**Diarrhea** [1.19]	**Encepha** [3.46]	**Leukemia** [1.24]	**Drown** [0.57]	**Whooping** [12.14]	**Hemog** [5.03]
Georgia	**Congenital** [0.52]	**LRI** [0.69]	**Neonatal** [0.87]	**Diarrhea** [0.77]	**Dermatitis** [0.44]	**Fire** [0.79]	**Urticaria** [1.06]	**Asthma** [0.53]	**Leukemia** [0.65]	**Vit A** [0.83]
Kazakhstan	**Congenital** [1.15]	**LRI** [1.61]	**Neonatal** [0.99]	**Drown** [1.38]	**Road Inj** [0.98]	**Vit A** [2.49]	**F Body** [1.7]	**Encepha** [3.98]	**Diarrhea** [0.93]	**Fire** [1.29]
Kyrgyzstan	**LRI** [0.84]	**Congenital** [0.48]	**Drown** [0.77]	**Neonatal** [0.85]	**Diarrhea** [0.63]	**Iron** [2.03]	**Vit A** [0.92]	**Hernia** [5.31]	**Road Inj** [0.28]	**F Body** [0.57]
Mongolia	**LRI** [2.03]	**Congenital** [0.68]	**Fire** [2.64]	**Neonatal** [0.96]	**Drown** [0.57]	**Road Inj** [0.61]	**F Body** [1.14]	**Diarrhea** [0.67]	**Vit A** [1.44]	**Falls** [1.62]
Tajikistan	**LRI** [1.27]	**Diarrhea** [1.24]	**Congenital** [0.67]	**Drown** [0.89]	**Neonatal** [0.76]	**Whooping** [1.15]	**Fire** [0.75]	**Iron** [0.75]	**Meningitis** [0.19]	**Epilepsy** [1.12]
Turkmenistan	**LRI** [4.91]	**Congenital** [1.15]	**Neonatal** [0.94]	**Drown** [0.99]	**Diarrhea** [0.96]	**F Body** [1.11]	**Encepha** [1.97]	**Dermatitis** [0.48]	**TB** [7.01]	**Fire** [0.8]
Uzbekistan	**LRI** [1.98]	**Drown** [1.08]	**Iron** [3.11]	**Congenital** [0.32]	**Neonatal** [0.75]	**Encepha** [1.52]	**Vit A** [0.98]	**F Body** [0.66]	**Road Inj** [0.31]	**Diarrhea** [0.31]
Central Europe	**Neonatal** [1.31]	**Congenital** [0.76]	**Diarrhea** [1.89]	**Dermatitis** [0.59]	**LRI** [1.3]	**Urticaria** [1.31]	**Falls** [1.2]	**Asthma** [0.57]	**Vit A** [2.15]	**Skin Viral** [0.85]
Albania	**Congenital** [0.71]	**LRI** [0.73]	**Neonatal** [1.0]	**Diarrhea** [0.65]	**Epilepsy** [1.2]	**Dermatitis** [0.46]	**Leukemia** [0.75]	**Drown** [0.29]	**Hernia** [3.59]	**Brain C** [1.23]
Bosnia	**Neonatal** [1.08]	**Congenital** [0.45]	**Whooping** [14.0]	**Dermatitis** [0.55]	**Diarrhea** [0.79]	**Vit A** [1.3]	**Urticaria** [1.08]	**Hernia** [3.41]	**Asthma** [0.48]	**Falls** [0.86]
Bulgaria	**Congenital** [0.89]	**Neonatal** [1.16]	**LRI** [1.28]	**Diarrhea** [1.72]	**Dermatitis** [0.49]	**Falls** [1.35]	**Urticaria** [1.24]	**Vit A** [1.85]	**Hernia** [2.91]	**Skin Viral** [0.84]
Croatia	**Neonatal** [1.39]	**Congenital** [0.78]	**Diarrhea** [1.71]	**Dermatitis** [0.51]	**Urticaria** [1.35]	**Hernia** [3.77]	**Skin Viral** [0.86]	**Asthma** [0.55]	**Road Inj** [0.47]	**Epilepsy** [1.04]
Czech	**Neonatal** [0.99]	**Congenital** [0.63]	**Diarrhea** [2.11]	**Dermatitis** [0.57]	**Falls** [1.33]	**Urticaria** [1.44]	**Hernia** [3.47]	**Skin Viral** [0.88]	**Asthma** [0.49]	**Epilepsy** [1.05]
Hungary	**Neonatal** [1.27]	**Congenital** [0.82]	**Diarrhea** [2.68]	**Dermatitis** [0.68]	**Urticaria** [1.31]	**Falls** [1.08]	**Skin Viral** [0.85]	**Endocrine** [0.9]	**Epilepsy** [0.96]	**Asthma** [0.45]
Macedonia	**Neonatal** [1.12]	**Congenital** [0.49]	**Diarrhea** [1.3]	**Vit A** [2.05]	**Dermatitis** [0.51]	**LRI** [0.52]	**Whooping** [18.16]	**Urticaria** [1.15]	**Falls** [1.15]	**Road Inj** [0.38]
Montenegro	**Neonatal** [1.22]	**Congenital** [0.41]	**Dermatitis** [0.53]	**Whooping** [21.39]	**Urticaria** [1.24]	**Diarrhea** [0.84]	**Vit A** [1.75]	**Falls** [1.05]	**Hernia** [3.12]	**Skin Viral** [0.84]
Poland	**Neonatal** [1.52]	**Congenital** [0.89]	**Dermatitis** [0.66]	**Diarrhea** [1.89]	**Urticaria** [1.42]	**Asthma** [0.74]	**Falls** [1.14]	**Skin Viral** [0.87]	**Upper Digest** [5.19]	**Vit A** [2.35]
Romania	**LRI** [2.65]	**Neonatal** [1.26]	**Congenital** [0.68]	**Diarrhea** [2.1]	**Dermatitis** [0.56]	**Iron** [4.98]	**Falls** [1.46]	**Vit A** [2.16]	**Road Inj** [0.51]	**Urticaria** [1.2]
Serbia	**Neonatal** [1.41]	**Congenital** [0.4]	**Dermatitis** [0.54]	**Diarrhea** [0.99]	**Vit A** [1.4]	**Urticaria** [1.15]	**Hernia** [3.33]	**Falls** [0.93]	**Skin Viral** [0.83]	**Whooping** [8.37]
Slovakia	**Congenital** [1.03]	**Neonatal** [1.07]	**Diarrhea** [2.35]	**Dermatitis** [0.56]	**LRI** [1.76]	**Urticaria** [1.4]	**Falls** [1.3]	**Hernia** [3.75]	**Skin Viral** [0.87]	**Road Inj** [0.53]
Slovenia	**Neonatal** [1.11]	**Congenital** [0.72]	**Diarrhea** [2.32]	**Dermatitis** [0.51]	**Urticaria** [1.48]	**Falls** [1.31]	**Asthma** [0.69]	**Hernia** [3.19]	**Skin Viral** [0.89]	**Endocrine** [0.97]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Eastern Europe	Neonatal [1.55]	Congenital [0.86]	Dermatitis [0.57]	Diarrhea [1.37]	LRI [0.83]	Drown [0.7]	Falls [1.43]	Fire [1.44]	Urticaria [1.28]	Road Inj [0.52]
Belarus	Neonatal [1.4]	Congenital [0.87]	Dermatitis [0.62]	Fire [1.72]	Drown [0.75]	Falls [1.57]	Urticaria [1.21]	Diarrhea [0.79]	Encepha [3.21]	LRI [0.44]
Estonia	Neonatal [1.59]	Congenital [0.85]	Dermatitis [0.79]	Diarrhea [2.42]	Urticaria [1.49]	Drown [1.13]	LRI [1.59]	Falls [1.17]	Fire [2.16]	Skin Viral [0.89]
Latvia	Neonatal [1.39]	Congenital [0.77]	Diarrhea [2.15]	Dermatitis [0.58]	Drown [1.12]	Fire [2.19]	Urticaria [1.35]	LRI [0.9]	Falls [1.15]	Asthma [0.57]
Lithuania	Neonatal [1.63]	Congenital [0.93]	Diarrhea [2.4]	Drown [1.26]	LRI [1.39]	Dermatitis [0.36]	Urticaria [1.41]	Falls [1.3]	Upper Digest [5.79]	Skin Viral [0.88]
Moldova	Neonatal [1.3]	Congenital [0.6]	LRI [0.59]	Drown [0.49]	Dermatitis [0.68]	F Body [0.88]	Diarrhea [0.56]	Poison [2.76]	Road Inj [0.35]	Falls [1.19]
Russian Federation	Neonatal [1.59]	Congenital [0.77]	Diarrhea [1.61]	Dermatitis [0.57]	LRI [0.86]	Falls [1.43]	Road Inj [0.56]	Drown [0.66]	Urticaria [1.29]	Fire [1.44]
Ukraine	Congenital [1.02]	Neonatal [1.4]	Dermatitis [0.59]	LRI [0.5]	Drown [0.63]	Meningitis [0.82]	Leukemia [0.95]	Fire [1.13]	Falls [1.33]	Urticaria [1.18]
High-income	Dermatitis [1.31]	Neonatal [0.93]	Congenital [0.73]	Asthma [1.13]	Diarrhea [1.21]	URI [1.16]	Road Inj [0.76]	Skin Viral [0.96]	Drown [0.87]	ASD [1.15]
Australasia	Dermatitis [1.14]	Neonatal [0.93]	Asthma [2.09]	Congenital [0.57]	Falls [1.49]	Drown [1.24]	Road Inj [0.85]	URI [1.02]	Skin Viral [1.0]	Urticaria [1.26]
Australia	Dermatitis [1.08]	Neonatal [0.91]	Asthma [2.15]	Congenital [0.57]	Falls [1.44]	Drown [1.31]	Road Inj [0.84]	URI [1.02]	Skin Viral [1.0]	Urticaria [1.27]
New Zealand	Dermatitis [1.42]	Neonatal [1.03]	Asthma [1.8]	Congenital [0.56]	Falls [1.73]	Road Inj [0.83]	Drown [0.92]	URI [1.03]	Urticaria [1.19]	Skin Viral [0.96]
High-income Asia Pacific	Dermatitis [1.26]	Neonatal [1.18]	Congenital [0.77]	Asthma [1.03]	Diarrhea [1.35]	URI [1.02]	Skin Viral [0.99]	Falls [1.04]	Urticaria [1.17]	LRI [1.42]
Brunei	Neonatal [1.29]	Dermatitis [1.2]	Congenital [0.86]	LRI [3.16]	Road Inj [1.23]	Asthma [1.01]	Drown [1.42]	Falls [1.44]	Endocrine [1.58]	Diarrhea [1.23]
Japan	Dermatitis [1.32]	Neonatal [1.14]	Congenital [0.84]	Asthma [1.02]	Diarrhea [1.32]	LRI [1.56]	URI [1.03]	Skin Viral [0.99]	Urticaria [1.17]	ASD [1.36]
Aichi	Dermatitis [1.32]	Neonatal [1.17]	Congenital [0.84]	Asthma [1.05]	ASD [2.01]	Diarrhea [1.42]	URI [1.03]	Skin Viral [1.0]	LRI [1.61]	Urticaria [1.21]
Akita	Neonatal [1.19]	Dermatitis [1.33]	Congenital [0.77]	Asthma [0.94]	Diarrhea [1.27]	Drown [0.89]	LRI [1.07]	URI [1.03]	Skin Viral [0.96]	Endocrine [1.07]
Aomori	Dermatitis [1.33]	Neonatal [1.12]	Congenital [0.78]	Asthma [0.94]	LRI [1.26]	Diarrhea [1.26]	URI [1.03]	Skin Viral [0.95]	Endocrine [1.08]	Urticaria [1.05]
Chiba	Dermatitis [1.32]	Neonatal [1.14]	Congenital [0.95]	Asthma [1.02]	LRI [1.69]	Diarrhea [1.23]	URI [1.03]	Skin Viral [0.98]	Endocrine [1.17]	Urticaria [1.15]
Ehime	Dermatitis [1.32]	Neonatal [0.92]	Congenital [0.63]	Asthma [0.95]	Diarrhea [1.1]	URI [1.03]	Skin Viral [0.96]	Urticaria [1.09]	ASD [1.35]	Endocrine [1.01]
Fukui	Dermatitis [1.32]	Neonatal [1.09]	Congenital [0.68]	Asthma [0.97]	Diarrhea [1.43]	URI [1.02]	Skin Viral [0.97]	Urticaria [1.12]	ASD [1.35]	Drown [0.75]
Fukuoka	Dermatitis [1.32]	Neonatal [1.11]	Congenital [0.82]	Asthma [1.0]	Diarrhea [1.27]	LRI [1.51]	URI [1.02]	Skin Viral [0.98]	Urticaria [1.14]	Endocrine [1.14]
Fukushima	Dermatitis [1.32]	Neonatal [1.02]	Congenital [0.75]	Asthma [0.95]	Diarrhea [1.24]	LRI [0.99]	URI [1.03]	Skin Viral [0.95]	Urticaria [1.06]	ASD [1.34]
Gifu	Dermatitis [1.32]	Neonatal [1.15]	Congenital [0.77]	Asthma [0.98]	Diarrhea [1.44]	URI [1.02]	LRI [1.22]	Skin Viral [0.97]	Endocrine [1.17]	Urticaria [1.12]
Gunma	Dermatitis [1.32]	Neonatal [1.08]	Congenital [0.77]	Asthma [0.99]	Diarrhea [1.34]	LRI [1.25]	URI [1.03]	Skin Viral [0.97]	Endocrine [1.17]	Urticaria [1.12]
Hiroshima	Dermatitis [1.32]	Neonatal [1.17]	Congenital [0.74]	Asthma [1.02]	Diarrhea [1.41]	URI [1.02]	Skin Viral [0.99]	Urticaria [1.17]	ASD [1.34]	LRI [1.31]
Hokkaido	Dermatitis [1.32]	Neonatal [1.07]	Congenital [0.72]	Asthma [0.97]	Diarrhea [1.3]	LRI [1.14]	URI [1.03]	Skin Viral [0.96]	Urticaria [1.09]	ASD [1.34]
Hyogo	Dermatitis [1.32]	Neonatal [1.14]	Congenital [0.73]	Diarrhea [1.42]	Asthma [0.88]	URI [1.03]	Skin Viral [0.98]	LRI [1.38]	Urticaria [1.15]	ASD [1.35]
Ibaraki	Dermatitis [1.32]	Neonatal [1.16]	Congenital [0.8]	Asthma [0.99]	Diarrhea [1.1]	URI [1.03]	Skin Viral [0.97]	LRI [1.17]	Urticaria [1.12]	Road Inj [0.57]
Ishikawa	Dermatitis [1.32]	Neonatal [1.08]	Congenital [0.75]	Asthma [0.99]	Diarrhea [1.35]	URI [1.03]	Skin Viral [0.98]	LRI [1.24]	Urticaria [1.14]	ASD [1.34]
Iwate	Dermatitis [1.33]	Neonatal [1.14]	Congenital [0.8]	Asthma [0.94]	LRI [1.22]	Diarrhea [1.2]	URI [1.03]	Skin Viral [0.95]	Drown [0.7]	F Body [1.33]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Kagawa	Dermatitis [1.32]	Neonatal [1.06]	Congenital [0.73]	Diarrhea [1.59]	Asthma [0.98]	URI [1.03]	LRI [1.2]	Skin Viral [0.97]	Urticaria [1.12]	Road Inj [0.58]
Kagoshima	Dermatitis [1.33]	Neonatal [0.95]	Congenital [0.67]	Asthma [0.94]	Diarrhea [1.24]	LRI [0.96]	URI [1.03]	Skin Viral [0.95]	Urticaria [1.06]	ASD [1.34]
Kanagawa	Dermatitis [1.32]	Neonatal [1.19]	Congenital [0.96]	Asthma [1.06]	ASD [1.62]	LRI [1.84]	Diarrhea [1.14]	URI [1.03]	Skin Viral [1.0]	Urticaria [1.21]
Kochi	Dermatitis [1.32]	Neonatal [1.03]	Congenital [0.77]	Asthma [0.93]	Diarrhea [1.36]	LRI [1.2]	Drown [0.84]	URI [1.03]	Skin Viral [0.95]	Endocrine [1.09]
Kumamoto	Dermatitis [1.33]	Neonatal [0.98]	Congenital [0.65]	Asthma [0.94]	Diarrhea [1.18]	URI [1.03]	Skin Viral [0.95]	LRI [0.86]	Endocrine [1.07]	Urticaria [1.06]
Kyoto	Congenital [1.08]	Neonatal [1.2]	Dermatitis [1.09]	Asthma [1.05]	Diarrhea [1.45]	LRI [2.02]	URI [1.02]	Skin Viral [1.0]	Endocrine [1.26]	Urticaria [1.21]
Mie	Dermatitis [1.32]	Neonatal [1.16]	Congenital [0.75]	Diarrhea [1.65]	Asthma [0.99]	URI [1.03]	LRI [1.29]	Skin Viral [0.98]	Endocrine [1.2]	Road Inj [0.62]
Miyagi	Dermatitis [1.32]	Congenital [0.96]	Neonatal [1.08]	Diarrhea [1.31]	Asthma [0.83]	LRI [1.48]	URI [1.03]	Skin Viral [0.97]	Drown [0.88]	Endocrine [1.2]
Miyazaki	Dermatitis [1.33]	Neonatal [0.97]	Congenital [0.55]	Asthma [0.92]	URI [1.03]	Diarrhea [0.91]	Skin Viral [0.95]	Urticaria [1.05]	ASD [1.33]	Endocrine [0.91]
Nagano	Dermatitis [1.32]	Neonatal [1.16]	Congenital [0.72]	Diarrhea [1.59]	Asthma [0.98]	URI [1.03]	Skin Viral [0.97]	Urticaria [1.12]	ASD [1.34]	Endocrine [1.09]
Nagasaki	Dermatitis [1.33]	Neonatal [0.99]	Congenital [0.71]	Asthma [0.92]	Diarrhea [1.06]	LRI [0.9]	URI [1.03]	Skin Viral [0.95]	Urticaria [1.05]	Endocrine [1.04]
Nara	Dermatitis [1.32]	Congenital [0.87]	Neonatal [1.01]	Asthma [0.99]	Diarrhea [1.31]	LRI [1.37]	URI [1.03]	Skin Viral [0.97]	Urticaria [1.12]	ASD [1.34]
Niigata	Dermatitis [1.32]	Neonatal [1.11]	Congenital [0.67]	Asthma [0.96]	Diarrhea [1.17]	URI [1.03]	Skin Viral [0.97]	Urticaria [1.11]	ASD [1.34]	Endocrine [1.0]
Oita	Dermatitis [1.32]	Neonatal [1.16]	Congenital [0.67]	Asthma [0.96]	Diarrhea [1.36]	URI [1.03]	Skin Viral [0.96]	Urticaria [1.1]	ASD [1.36]	LRI [0.98]
Okayama	Dermatitis [1.32]	Neonatal [1.18]	Congenital [0.7]	Asthma [1.0]	Diarrhea [1.3]	URI [1.02]	LRI [1.3]	Skin Viral [0.98]	Urticaria [1.13]	ASD [1.34]
Okinawa	Dermatitis [1.33]	Neonatal [1.0]	Congenital [0.44]	Asthma [0.8]	Diarrhea [0.99]	URI [1.03]	Skin Viral [0.95]	Urticaria [1.04]	ASD [1.33]	Endocrine [0.94]
Osaka	Dermatitis [1.32]	Neonatal [1.08]	Congenital [0.82]	Asthma [1.05]	Diarrhea [1.27]	LRI [1.72]	URI [1.02]	Skin Viral [0.99]	Urticaria [1.19]	Endocrine [1.15]
Saga	Dermatitis [1.33]	Neonatal [1.03]	Congenital [0.58]	Asthma [0.95]	Diarrhea [1.17]	URI [1.03]	Skin Viral [0.96]	Urticaria [1.07]	ASD [1.32]	LRI [0.84]
Saitama	Dermatitis [1.32]	Neonatal [1.1]	Congenital [0.82]	Asthma [0.99]	Diarrhea [1.25]	LRI [1.45]	URI [1.03]	Skin Viral [0.97]	Endocrine [1.17]	Urticaria [1.13]
Shiga	Dermatitis [1.57]	Neonatal [1.08]	Congenital [0.8]	Asthma [1.03]	Diarrhea [1.44]	URI [1.03]	Skin Viral [0.99]	Urticaria [1.19]	Endocrine [1.19]	ASD [1.36]
Shimane	Dermatitis [1.32]	Neonatal [1.0]	Congenital [0.57]	Asthma [0.93]	Diarrhea [1.22]	URI [1.02]	Skin Viral [0.95]	Urticaria [1.06]	ASD [1.35]	Endocrine [0.93]
Shizuoka	Dermatitis [1.32]	Neonatal [1.22]	Congenital [0.72]	Asthma [1.0]	Diarrhea [1.28]	URI [1.02]	Skin Viral [0.98]	Urticaria [1.16]	ASD [1.35]	Endocrine [1.13]
Tochigi	Congenital [1.07]	Dermatitis [1.32]	Neonatal [1.2]	Asthma [1.01]	LRI [1.83]	Diarrhea [1.22]	Road Inj [0.72]	URI [1.03]	Skin Viral [0.98]	Endocrine [1.16]
Tokushima	Dermatitis [1.32]	Neonatal [1.11]	Congenital [0.67]	Asthma [0.97]	Diarrhea [1.34]	URI [1.02]	Skin Viral [0.97]	Urticaria [1.11]	LRI [1.02]	ASD [1.34]
Tokyo	Dermatitis [1.33]	Neonatal [1.3]	Congenital [1.27]	Asthma [1.21]	LRI [3.99]	Diarrhea [1.44]	URI [1.03]	Skin Viral [1.06]	Urticaria [1.4]	Endocrine [1.41]
Tottori	Dermatitis [1.32]	Neonatal [1.1]	Congenital [0.73]	Asthma [0.95]	Diarrhea [1.15]	Drown [0.8]	URI [1.02]	Skin Viral [0.96]	LRI [0.93]	Endocrine [1.11]
Toyama	Dermatitis [1.32]	Neonatal [1.09]	Congenital [0.76]	Asthma [1.0]	Diarrhea [1.35]	Drown [1.14]	URI [1.03]	LRI [1.39]	Skin Viral [0.98]	Urticaria [1.15]
Wakayama	Dermatitis [1.32]	Neonatal [1.14]	Congenital [0.56]	Asthma [0.95]	Diarrhea [1.12]	URI [1.03]	Skin Viral [0.96]	Urticaria [1.09]	ASD [1.35]	Endocrine [0.97]
Yamagata	Dermatitis [1.33]	Neonatal [0.95]	Congenital [0.69]	Asthma [0.94]	Diarrhea [1.25]	URI [1.03]	Skin Viral [0.96]	LRI [0.86]	Drown [0.7]	Urticaria [1.06]
Yamaguchi	Dermatitis [1.32]	Neonatal [1.0]	Congenital [0.72]	Asthma [0.98]	Diarrhea [1.4]	LRI [1.4]	URI [1.03]	Skin Viral [0.97]	Urticaria [1.12]	ASD [1.35]
Yamanashi	Dermatitis [1.32]	Neonatal [1.23]	Congenital [0.75]	Asthma [0.99]	Diarrhea [1.25]	URI [1.03]	Skin Viral [0.98]	Urticaria [1.14]	ASD [1.32]	Falls [0.92]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
S Korea	Neonatal [1.24]	Dermatitis [1.16]	Congenital [0.6]	Asthma [1.02]	Iron [13.49]	Diarrhea [1.36]	Road Inj [0.91]	Falls [1.29]	Skin Viral [1.0]	URI [1.0]
Singapore	Neonatal [1.12]	Dermatitis [1.1]	Congenital [0.42]	Asthma [1.02]	Diarrhea [1.25]	Skin Viral [1.0]	URI [1.01]	Urticaria [1.14]	Falls [0.92]	ASD [1.18]
High-income North America	Dermatitis [1.61]	Neonatal [0.96]	Congenital [0.77]	Asthma [1.49]	Road Inj [1.25]	Drown [1.49]	Violence [3.61]	URI [1.17]	Skin Viral [0.97]	Urticaria [1.16]
Canada	Dermatitis [1.75]	Congenital [0.7]	Neonatal [0.7]	Asthma [1.68]	URI [1.18]	Skin Viral [1.1]	Road Inj [0.81]	ASD [1.53]	Diarrhea [1.05]	Urticaria [1.2]
Greenland	Congenital [0.89]	Dermatitis [1.68]	Violence [7.73]	Fire [4.31]	Drown [1.78]	Neonatal [0.93]	Meningitis [2.37]	LRI [1.12]	HIV [12.77]	Asthma [1.32]
USA	Dermatitis [1.6]	Neonatal [0.98]	Congenital [0.76]	Asthma [1.46]	Road Inj [1.26]	Violence [3.79]	Drown [1.5]	URI [1.17]	Skin Viral [0.95]	Urticaria [1.14]
Alabama	Dermatitis [1.41]	Neonatal [0.99]	Congenital [0.71]	Road Inj [1.9]	Violence [4.69]	Asthma [1.34]	Drown [1.67]	Fire [2.22]	URI [1.18]	Skin Viral [1.06]
Alaska	Dermatitis [1.45]	Neonatal [0.9]	Congenital [0.75]	Drown [2.81]	Road Inj [1.23]	Asthma [1.12]	F Body [2.39]	Violence [3.23]	Fire [2.7]	URI [1.18]
Arizona	Dermatitis [1.67]	Neonatal [0.94]	Congenital [0.74]	Road Inj [1.56]	Asthma [1.42]	Drown [1.81]	Violence [3.98]	URI [1.17]	Urticaria [1.08]	ASD [1.26]
Arkansas	Dermatitis [1.29]	Neonatal [0.85]	Congenital [0.61]	Road Inj [1.39]	Drown [1.26]	Violence [3.64]	Asthma [1.0]	URI [1.18]	Fire [1.6]	Skin Viral [0.89]
California	Dermatitis [1.8]	Neonatal [0.82]	Congenital [0.69]	Asthma [1.42]	Road Inj [0.94]	Drown [1.36]	Violence [3.19]	URI [1.17]	ASD [1.41]	Urticaria [1.12]
Colorado	Dermatitis [1.46]	Neonatal [0.98]	Congenital [0.8]	Asthma [1.34]	Road Inj [1.4]	Drown [1.38]	URI [1.19]	Violence [3.09]	Urticaria [1.14]	F Body [1.68]
Connecticut	Dermatitis [1.78]	Neonatal [1.16]	Asthma [1.99]	Congenital [0.65]	URI [1.16]	Skin Viral [1.14]	Urticaria [1.44]	Road Inj [0.76]	ASD [1.17]	Diarrhea [0.86]
Delaware	Dermatitis [1.42]	Neonatal [0.99]	Congenital [0.79]	Asthma [1.59]	Road Inj [1.47]	URI [1.17]	Violence [3.06]	Drown [1.24]	Skin Viral [1.1]	Urticaria [1.21]
DC	Dermatitis [2.06]	Violence [18.18]	Congenital [1.13]	Neonatal [1.16]	Asthma [1.69]	Road Inj [1.29]	Endocrine [2.08]	LRI [3.13]	Drown [1.8]	Fire [3.67]
Florida	Dermatitis [1.6]	Neonatal [1.08]	Drown [3.74]	Congenital [0.83]	Asthma [1.77]	Violence [5.37]	Road Inj [1.43]	Skin Viral [1.15]	URI [1.17]	Urticaria [1.21]
Georgia	Dermatitis [1.73]	Neonatal [0.94]	Congenital [0.7]	Asthma [1.55]	Road Inj [1.52]	Violence [4.88]	Drown [1.55]	URI [1.17]	Skin Viral [1.03]	LRI [1.05]
Hawaii	Dermatitis [1.83]	Neonatal [0.88]	Congenital [0.66]	Asthma [1.65]	Drown [2.04]	Road Inj [0.93]	URI [1.16]	Skin Viral [1.13]	Urticaria [1.38]	ASD [1.16]
Idaho	Dermatitis [1.35]	Neonatal [0.76]	Congenital [0.51]	Road Inj [0.99]	Asthma [0.82]	URI [1.18]	Drown [0.89]	Skin Viral [1.04]	ASD [1.15]	Diarrhea [0.67]
Illinois	Dermatitis [1.41]	Neonatal [1.13]	Congenital [0.79]	Asthma [1.32]	Violence [4.28]	Road Inj [0.9]	URI [1.16]	Urticaria [1.25]	Skin Viral [0.94]	Drown [1.05]
Indiana	Dermatitis [1.37]	Neonatal [0.94]	Congenital [0.75]	Asthma [1.35]	Road Inj [1.15]	Violence [3.36]	Drown [1.11]	URI [1.17]	Skin Viral [0.81]	Urticaria [0.97]
Iowa	Dermatitis [1.23]	Congenital [0.8]	Neonatal [0.91]	Road Inj [1.38]	Asthma [0.91]	URI [1.17]	Drown [1.14]	Skin Viral [0.93]	Urticaria [1.1]	ASD [1.15]
Kansas	Dermatitis [1.31]	Neonatal [0.99]	Congenital [0.72]	Asthma [1.35]	Road Inj [1.41]	URI [1.17]	Drown [1.15]	Violence [2.7]	Skin Viral [0.86]	Urticaria [1.08]
Kentucky	Dermatitis [1.39]	Neonatal [0.94]	Congenital [0.72]	Road Inj [1.37]	Asthma [1.33]	Drown [1.16]	Violence [2.73]	URI [1.17]	Fire [1.89]	Skin Viral [0.97]
Louisiana	Dermatitis [1.48]	Congenital [0.89]	Neonatal [0.95]	Violence [7.38]	Road Inj [1.88]	Drown [2.35]	Asthma [1.24]	Fire [2.44]	Skin Viral [1.32]	F Body [2.06]
Maine	Dermatitis [1.21]	Neonatal [0.99]	Congenital [0.74]	Asthma [1.61]	Road Inj [1.17]	Drown [1.28]	URI [1.2]	Urticaria [1.15]	Skin Viral [0.81]	Diarrhea [0.85]
Maryland	Dermatitis [1.78]	Neonatal [1.17]	Congenital [0.92]	Asthma [1.77]	Violence [6.38]	Road Inj [1.37]	URI [1.17]	Drown [1.52]	Urticaria [1.29]	Skin Viral [0.94]
Massachusetts	Dermatitis [1.59]	Neonatal [1.15]	Congenital [0.89]	Asthma [1.78]	URI [1.17]	Skin Viral [1.1]	ASD [1.55]	Urticaria [1.51]	Road Inj [0.95]	Drown [1.37]
Michigan	Dermatitis [1.43]	Neonatal [1.01]	Congenital [0.82]	Asthma [1.56]	Violence [4.47]	Road Inj [1.14]	URI [1.16]	Drown [1.21]	Skin Viral [1.02]	Urticaria [1.18]
Minnesota	Dermatitis [1.26]	Neonatal [1.01]	Congenital [0.82]	Asthma [1.15]	URI [1.17]	Road Inj [0.99]	Skin Viral [1.01]	Urticaria [1.27]	ASD [1.37]	Drown [1.11]
Mississippi	Dermatitis [1.29]	Road Inj [2.22]	Congenital [0.72]	Neonatal [0.93]	Violence [5.21]	Drown [1.59]	Fire [2.7]	Asthma [1.0]	F Body [1.79]	URI [1.18]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Missouri	Dermatitis [1.24]	Neonatal [0.98]	Congenital [0.75]	Asthma [1.36]	Road Inj [1.34]	Violence [4.37]	Drown [1.11]	URI [1.17]	Skin Viral [0.87]	F Body [1.46]
Montana	Dermatitis [1.26]	Neonatal [0.97]	Congenital [0.81]	Road Inj [2.02]	Drown [1.72]	Asthma [1.06]	URI [1.22]	Skin Viral [0.94]	Violence [2.26]	F Body [1.51]
Nebraska	Dermatitis [1.25]	Neonatal [0.92]	Congenital [0.78]	Road Inj [1.28]	Asthma [0.94]	URI [1.17]	Skin Viral [0.96]	Drown [0.99]	Urticaria [1.14]	ASD [1.17]
Nevada	Dermatitis [1.58]	Neonatal [0.91]	Congenital [0.65]	Asthma [1.27]	Road Inj [1.23]	Violence [4.21]	Drown [1.35]	URI [1.17]	Urticaria [1.02]	LRI [0.94]
New Hampshire	Dermatitis [1.23]	Neonatal [0.97]	Congenital [0.8]	Asthma [1.5]	Road Inj [1.1]	URI [1.17]	Skin Viral [0.92]	Drown [1.22]	Urticaria [1.2]	ASD [1.17]
New Jersey	Dermatitis [1.94]	Neonatal [1.07]	Congenital [0.85]	Asthma [2.05]	URI [1.15]	ASD [1.7]	Skin Viral [1.12]	Urticaria [1.37]	Road Inj [0.85]	Violence [2.77]
New Mexico	Dermatitis [1.46]	Neonatal [1.01]	Congenital [0.76]	Road Inj [1.77]	Asthma [1.38]	Violence [3.61]	Drown [1.2]	URI [1.2]	Endocrine [1.0]	Urticaria [0.96]
New York	Dermatitis [1.95]	Neonatal [1.12]	Congenital [0.96]	Asthma [2.17]	Violence [4.44]	URI [1.16]	Skin Viral [1.17]	Road Inj [0.87]	Urticaria [1.38]	Drown [1.06]
N Carolina	Dermatitis [1.49]	Neonatal [0.97]	Congenital [0.74]	Road Inj [1.51]	Asthma [1.29]	Violence [4.06]	Drown [1.35]	URI [1.17]	Skin Viral [0.97]	Urticaria [1.11]
N Dakota	Dermatitis [1.23]	Neonatal [1.0]	Congenital [0.89]	Road Inj [1.49]	Asthma [1.21]	URI [1.2]	Drown [1.31]	Skin Viral [0.91]	ASD [1.16]	Urticaria [0.98]
Ohio	Dermatitis [1.51]	Congenital [0.81]	Neonatal [0.95]	Asthma [1.4]	Violence [3.64]	Road Inj [0.99]	Drown [1.2]	URI [1.19]	Urticaria [1.15]	Skin Viral [0.9]
Oklahoma	Dermatitis [1.58]	Congenital [0.91]	Neonatal [0.93]	Road Inj [2.01]	Drown [2.15]	Asthma [1.43]	Violence [4.78]	URI [1.18]	Fire [2.04]	LRI [1.03]
Oregon	Dermatitis [1.67]	Neonatal [0.85]	Congenital [0.65]	Asthma [1.16]	Road Inj [1.0]	Drown [1.39]	URI [1.16]	Skin Viral [0.94]	Urticaria [1.11]	ASD [1.16]
Pennsylvania	Dermatitis [1.53]	Neonatal [1.0]	Congenital [0.82]	Asthma [1.59]	Road Inj [1.21]	Violence [3.39]	URI [1.16]	Drown [1.12]	Skin Viral [0.93]	Urticaria [1.21]
Rhode Island	Dermatitis [1.41]	Neonatal [0.97]	Congenital [0.78]	Asthma [1.63]	URI [1.18]	Skin Viral [1.14]	Road Inj [0.91]	Drown [1.26]	Urticaria [1.34]	ASD [1.16]
S Carolina	Dermatitis [1.72]	Neonatal [0.93]	Congenital [0.7]	Road Inj [1.62]	Asthma [1.35]	Violence [4.57]	Drown [1.64]	Fire [2.24]	URI [1.17]	F Body [1.89]
S Dakota	Dermatitis [1.23]	Congenital [0.75]	Neonatal [0.83]	Road Inj [1.52]	Asthma [0.89]	Drown [1.19]	URI [1.17]	Skin Viral [0.98]	ASD [1.15]	Urticaria [0.93]
Tennessee	Dermatitis [1.4]	Neonatal [0.92]	Congenital [0.64]	Road Inj [1.16]	Violence [3.61]	Asthma [1.04]	Drown [1.06]	URI [1.17]	ASD [1.49]	Skin Viral [0.88]
Texas	Dermatitis [1.71]	Neonatal [0.99]	Congenital [0.66]	Asthma [1.45]	Road Inj [1.37]	Violence [4.02]	Drown [1.4]	URI [1.16]	ASD [1.61]	Skin Viral [0.88]
Utah	Dermatitis [1.39]	Neonatal [0.85]	Congenital [0.63]	Road Inj [0.99]	Asthma [0.89]	ASD [1.92]	URI [1.17]	Skin Viral [1.08]	Drown [0.89]	Urticaria [0.94]
Vermont	Dermatitis [1.23]	Neonatal [1.04]	Congenital [0.76]	Asthma [1.39]	Road Inj [1.15]	URI [1.17]	Drown [1.18]	Skin Viral [0.86]	ASD [1.17]	Diarrhea [0.88]
Virginia	Dermatitis [1.81]	Neonatal [1.08]	Congenital [0.78]	Asthma [1.51]	Violence [4.11]	Road Inj [1.13]	Drown [1.52]	URI [1.16]	Urticaria [1.29]	Skin Viral [0.84]
Washington	Dermatitis [1.64]	Neonatal [0.91]	Congenital [0.77]	Asthma [1.12]	Road Inj [1.1]	Drown [1.42]	URI [1.17]	Urticaria [1.29]	Skin Viral [0.96]	Violence [2.45]
W Virginia	Dermatitis [1.43]	Congenital [0.71]	Neonatal [0.94]	Road Inj [1.36]	Asthma [1.39]	Drown [1.05]	Violence [2.72]	URI [1.17]	Endocrine [1.15]	Fire [1.53]
Wisconsin	Dermatitis [1.26]	Neonatal [1.04]	Congenital [0.8]	Asthma [1.13]	Road Inj [1.07]	URI [1.16]	Drown [1.09]	Skin Viral [0.93]	Urticaria [1.13]	Violence [2.21]
Wyoming	Dermatitis [1.37]	Congenital [0.82]	Road Inj [2.18]	Neonatal [0.83]	Asthma [1.11]	Drown [1.68]	URI [1.17]	F Body [1.83]	LRI [1.39]	Violence [2.21]
Southern Latin America	Congenital [0.56]	Diarrhea [2.21]	Neonatal [0.85]	Dermatitis [1.05]	LRI [0.42]	Asthma [0.88]	Road Inj [0.5]	Drown [0.5]	F Body [0.77]	Skin Viral [0.92]
Argentina	Diarrhea [2.29]	Congenital [0.56]	Neonatal [0.81]	Dermatitis [1.0]	LRI [0.43]	Drown [0.52]	Asthma [0.85]	Road Inj [0.49]	F Body [0.87]	Skin Viral [0.92]
Chile	Congenital [0.57]	Neonatal [0.95]	Dermatitis [1.22]	Diarrhea [1.92]	Asthma [0.94]	Road Inj [0.55]	Drown [0.45]	Skin Viral [0.93]	Epilepsy [0.9]	Urticaria [0.86]
Uruguay	Congenital [0.49]	Neonatal [0.86]	Dermatitis [0.99]	Diarrhea [1.08]	Asthma [0.97]	LRI [0.35]	F Body [0.78]	Road Inj [0.33]	Skin Viral [0.92]	Drown [0.27]
Western Europe	Dermatitis [1.12]	Neonatal [0.83]	Congenital [0.68]	URI [1.29]	Asthma [0.78]	Skin Viral [0.95]	Diarrhea [0.91]	Endocrine [1.0]	ASD [1.04]	Epilepsy [1.01]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Andorra	Dermatitis [1.31]	Congenital [1.13]	Neonatal [0.96]	Asthma [0.99]	URI [1.3]	Skin Viral [1.01]	Road Inj [0.76]	Diarrhea [0.97]	Endocrine [1.05]	Leukemia [1.12]
Austria	Neonatal [1.29]	Congenital [0.74]	Dermatitis [0.83]	Diarrhea [1.38]	URI [1.29]	Endocrine [1.39]	Asthma [0.72]	Hernia [3.66]	Skin Viral [0.96]	Falls [0.78]
Belgium	Dermatitis [0.98]	Congenital [0.68]	Neonatal [0.6]	URI [1.29]	Diarrhea [1.34]	Asthma [0.71]	Skin Viral [0.98]	Falls [0.97]	Endocrine [1.08]	Epilepsy [1.28]
Cyprus	Neonatal [1.12]	Dermatitis [0.85]	Congenital [0.5]	URI [1.27]	Asthma [0.73]	Skin Viral [0.96]	Diarrhea [1.01]	ASD [1.04]	Falls [0.67]	Road Inj [0.4]
Denmark	Dermatitis [1.22]	Congenital [0.88]	Neonatal [0.75]	URI [1.27]	Asthma [0.96]	Diarrhea [1.45]	Skin Viral [1.14]	Endocrine [1.31]	ASD [1.22]	Falls [0.63]
Finland	Neonatal [1.69]	Dermatitis [1.3]	Congenital [0.75]	URI [1.27]	Asthma [0.88]	Diarrhea [1.37]	Skin Viral [1.01]	ASD [1.05]	Falls [0.74]	Endocrine [0.91]
France	Dermatitis [1.21]	Congenital [0.72]	Neonatal [0.68]	URI [1.31]	Asthma [0.81]	Endocrine [1.26]	Skin Viral [0.96]	Drown [0.92]	Road Inj [0.61]	Falls [0.91]
Germany	Neonatal [1.0]	Dermatitis [0.97]	Congenital [0.76]	Diarrhea [1.47]	URI [1.27]	Epilepsy [1.85]	Skin Viral [0.98]	Asthma [0.59]	Endocrine [0.98]	Falls [0.79]
Greece	Congenital [0.73]	Neonatal [0.8]	Dermatitis [0.74]	Road Inj [0.67]	URI [1.3]	Asthma [0.63]	Skin Viral [0.92]	Brain C [1.13]	LRI [0.62]	Diarrhea [0.64]
Iceland	Dermatitis [1.35]	Congenital [1.03]	Neonatal [0.93]	Asthma [1.26]	URI [1.27]	Skin Viral [1.1]	Diarrhea [1.2]	Brain C [1.33]	LRI [1.94]	Falls [0.82]
Ireland	Dermatitis [1.15]	Congenital [0.72]	Neonatal [0.78]	Asthma [1.06]	URI [1.26]	Skin Viral [0.98]	ASD [1.11]	Diarrhea [0.74]	Endocrine [0.87]	Falls [0.71]
Israel	Dermatitis [1.05]	Neonatal [0.87]	Congenital [0.59]	URI [1.27]	Asthma [0.68]	Road Inj [0.57]	Blindness [2.53]	Endocrine [1.1]	Skin Viral [0.9]	Falls [0.74]
Italy	Dermatitis [0.98]	Congenital [0.56]	Neonatal [0.64]	URI [1.29]	Skin Viral [0.95]	Endocrine [0.89]	ASD [1.03]	Asthma [0.42]	Diarrhea [0.63]	Leukemia [0.67]
Luxembourg	Dermatitis [1.31]	Neonatal [1.17]	Congenital [0.65]	Asthma [1.05]	URI [1.28]	Diarrhea [1.3]	Skin Viral [1.02]	ASD [1.05]	Falls [0.73]	Epilepsy [1.2]
Malta	Congenital [0.81]	Dermatitis [0.88]	Neonatal [0.7]	URI [1.32]	Asthma [0.76]	Skin Viral [0.93]	Falls [0.94]	ASD [1.04]	LRI [0.62]	Brain C [0.71]
Netherlands	Dermatitis [1.22]	Neonatal [0.93]	Congenital [0.86]	URI [1.32]	Asthma [0.85]	Skin Viral [0.95]	Endocrine [1.22]	ASD [1.15]	Epilepsy [1.25]	Falls [0.71]
Norway	Dermatitis [1.31]	Neonatal [1.06]	Diarrhea [4.08]	Congenital [0.81]	Asthma [1.3]	URI [1.26]	Poison [10.21]	Skin Viral [1.09]	Falls [0.81]	ASD [0.98]
Portugal	Dermatitis [0.94]	Congenital [0.41]	Neonatal [0.56]	Asthma [0.94]	URI [1.27]	Skin Viral [0.86]	Fire [1.01]	Road Inj [0.34]	Endocrine [0.75]	ASD [1.03]
Spain	Neonatal [0.69]	Congenital [0.52]	Dermatitis [0.75]	URI [1.29]	Asthma [0.6]	Skin Viral [0.92]	Endocrine [0.9]	ASD [1.04]	Falls [0.74]	Diarrhea [0.53]
Sweden	Dermatitis [1.63]	Congenital [0.78]	Neonatal [0.83]	Asthma [1.09]	URI [1.27]	Diarrhea [1.29]	Skin Viral [1.07]	ASD [1.13]	Falls [0.74]	Urticaria [0.77]
Stockholm	Dermatitis [1.34]	Congenital [0.98]	Neonatal [0.83]	Asthma [1.01]	URI [1.26]	Diarrhea [1.41]	Skin Viral [1.11]	ASD [1.43]	Endocrine [1.24]	Vit A [2.98]
Sweden w/o Stockholm	Dermatitis [1.73]	Neonatal [0.82]	Congenital [0.72]	Asthma [1.11]	URI [1.27]	Diarrhea [1.24]	Skin Viral [1.06]	ASD [1.04]	Falls [0.75]	Urticaria [0.75]
Switzerland	Dermatitis [1.3]	Congenital [0.83]	Neonatal [0.84]	URI [1.28]	Asthma [0.85]	Diarrhea [1.29]	Skin Viral [0.99]	ASD [1.04]	Endocrine [0.91]	Falls [0.7]
UK	Dermatitis [1.43]	Neonatal [0.99]	Congenital [0.71]	Asthma [1.19]	URI [1.3]	Diarrhea [0.9]	Skin Viral [0.88]	Endocrine [0.98]	ASD [1.11]	LRI [0.82]
England	Dermatitis [1.46]	Neonatal [1.03]	Congenital [0.73]	Asthma [1.23]	URI [1.3]	Diarrhea [0.93]	Skin Viral [0.87]	Endocrine [1.02]	LRI [0.92]	ASD [1.12]
E Midlands	Dermatitis [1.44]	Neonatal [0.95]	Congenital [0.64]	Asthma [1.12]	URI [1.31]	Diarrhea [0.86]	Skin Viral [0.85]	Endocrine [0.93]	ASD [1.1]	LRI [0.63]
Derby	Dermatitis [1.43]	Congenital [0.83]	Neonatal [1.01]	Asthma [1.18]	URI [1.33]	LRI [1.24]	Endocrine [1.18]	Skin Viral [0.86]	Diarrhea [0.8]	Epilepsy [1.05]
Derbyshire	Dermatitis [1.44]	Neonatal [0.87]	Congenital [0.59]	Asthma [1.07]	URI [1.3]	Diarrhea [0.83]	Skin Viral [0.84]	Endocrine [0.84]	ASD [1.1]	Falls [0.7]
Leicester	Dermatitis [1.44]	Congenital [0.73]	Neonatal [0.86]	Asthma [1.15]	URI [1.28]	Diarrhea [0.9]	Skin Viral [0.86]	Endocrine [1.06]	LRI [0.91]	ASD [1.1]
Leicestershire	Dermatitis [1.44]	Congenital [0.68]	Neonatal [0.83]	Asthma [1.15]	URI [1.27]	Skin Viral [0.86]	Diarrhea [0.83]	Iron [6.52]	Endocrine [0.97]	ASD [1.1]
Lincolnshire	Dermatitis [1.44]	Neonatal [0.91]	Congenital [0.55]	Asthma [1.06]	URI [1.32]	Diarrhea [0.8]	Skin Viral [0.84]	Endocrine [0.84]	ASD [1.1]	Epilepsy [0.73]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Northamptonshire	Dermatitis [1.44]	Neonatal [1.03]	Congenital [0.63]	Asthma [1.12]	URI [1.31]	Diarrhea [0.96]	Skin Viral [0.85]	Endocrine [0.93]	ASD [1.1]	LRI [0.61]
Nottingham	Dermatitis [1.43]	Neonatal [1.2]	Congenital [0.86]	Asthma [1.24]	URI [1.39]	Endocrine [1.21]	Skin Viral [0.88]	LRI [1.31]	Diarrhea [0.9]	ASD [1.11]
Nottinghamshire	Dermatitis [1.44]	Neonatal [0.99]	Congenital [0.54]	Asthma [1.08]	URI [1.31]	Diarrhea [0.8]	Skin Viral [0.84]	ASD [1.1]	Endocrine [0.77]	Falls [0.65]
Rutland	Dermatitis [1.44]	Congenital [0.66]	Neonatal [0.69]	Asthma [1.13]	URI [1.27]	Skin Viral [0.86]	Diarrhea [0.78]	Endocrine [0.93]	ASD [1.09]	Road Inj [0.41]
E England	Dermatitis [1.44]	Neonatal [0.91]	Congenital [0.63]	Asthma [1.14]	URI [1.3]	Skin Viral [0.86]	Diarrhea [0.84]	Endocrine [0.94]	ASD [1.17]	LRI [0.68]
Bedford	Dermatitis [1.44]	Neonatal [1.14]	Congenital [0.8]	Asthma [1.15]	URI [1.29]	Endocrine [1.25]	LRI [0.96]	Skin Viral [0.86]	Diarrhea [0.84]	Other MN [1.48]
Cambridgeshire	Dermatitis [1.43]	Neonatal [0.96]	Congenital [0.68]	Asthma [1.22]	URI [1.28]	ASD [1.67]	Skin Viral [0.89]	Diarrhea [0.96]	Endocrine [0.98]	Other MN [1.23]
Cen Bedfordshire	Dermatitis [1.44]	Neonatal [1.0]	Congenital [0.73]	Asthma [1.15]	URI [1.36]	Diarrhea [0.89]	LRI [0.92]	Endocrine [1.09]	Skin Viral [0.86]	Other MN [1.34]
Essex	Dermatitis [1.44]	Neonatal [0.89]	Congenital [0.56]	Asthma [1.1]	URI [1.29]	Skin Viral [0.85]	Diarrhea [0.73]	ASD [1.11]	Endocrine [0.84]	Epilepsy [0.82]
Hertfordshire	Dermatitis [1.43]	Neonatal [0.93]	Congenital [0.65]	Asthma [1.22]	URI [1.28]	Skin Viral [0.89]	Diarrhea [0.89]	ASD [1.12]	Endocrine [0.85]	Falls [0.66]
Luton	Dermatitis [1.44]	Congenital [0.93]	Neonatal [1.08]	Asthma [1.19]	LRI [1.32]	URI [1.31]	Endocrine [1.52]	Diarrhea [1.01]	Epilepsy [1.29]	Skin Viral [0.85]
Norfolk	Dermatitis [1.44]	Neonatal [0.76]	Congenital [0.53]	Asthma [1.09]	URI [1.29]	Diarrhea [0.86]	Skin Viral [0.85]	ASD [1.11]	Iron [4.43]	Endocrine [0.79]
Peterborough	Dermatitis [1.44]	Congenital [0.77]	Neonatal [0.8]	Asthma [1.13]	URI [1.36]	Endocrine [1.43]	LRI [0.96]	Diarrhea [0.88]	Skin Viral [0.84]	Other MN [1.36]
Southend-on-Sea	Dermatitis [1.44]	Neonatal [1.05]	Congenital [0.7]	Asthma [1.07]	URI [1.3]	LRI [0.75]	Endocrine [1.08]	Skin Viral [0.84]	Epilepsy [0.99]	Diarrhea [0.66]
Suffolk	Dermatitis [1.44]	Neonatal [0.91]	Congenital [0.5]	Asthma [1.07]	URI [1.28]	Diarrhea [0.81]	Skin Viral [0.84]	ASD [1.11]	Endocrine [0.77]	Falls [0.63]
Thurrock	Dermatitis [1.45]	Neonatal [0.99]	Congenital [0.6]	Asthma [1.08]	URI [1.32]	Endocrine [1.07]	Skin Viral [0.84]	LRI [0.56]	Diarrhea [0.64]	ASD [1.09]
Greater London	Dermatitis [1.44]	Neonatal [1.13]	Congenital [0.9]	Asthma [1.52]	URI [1.28]	Skin Viral [0.91]	LRI [1.94]	Diarrhea [1.0]	Endocrine [1.16]	ASD [1.12]
Barking & Dagenham	Dermatitis [1.81]	Neonatal [0.96]	Congenital [0.56]	Asthma [1.21]	URI [1.28]	LRI [0.57]	Iron [4.13]	Skin Viral [0.83]	Diarrhea [0.7]	Endocrine [0.86]
Barnet	Dermatitis [1.43]	Neonatal [1.02]	Congenital [0.7]	Asthma [1.38]	URI [1.27]	Skin Viral [0.88]	Diarrhea [0.84]	LRI [1.1]	ASD [1.11]	Endocrine [0.92]
Bexley	Dermatitis [1.44]	Neonatal [0.95]	Congenital [0.63]	Asthma [1.28]	URI [1.32]	Skin Viral [0.85]	Diarrhea [0.79]	Endocrine [1.0]	ASD [1.18]	Other MN [1.25]
Brent	Dermatitis [1.43]	Neonatal [1.08]	Congenital [0.75]	Asthma [1.36]	URI [1.26]	Skin Viral [0.87]	Diarrhea [0.85]	LRI [1.01]	Endocrine [1.02]	ASD [1.1]
Bromley	Dermatitis [1.43]	Neonatal [1.09]	Congenital [0.66]	Asthma [1.34]	URI [1.28]	Skin Viral [0.87]	ASD [1.18]	Diarrhea [0.72]	Endocrine [0.83]	Other MN [1.22]
Camden	Dermatitis [1.44]	Neonatal [1.06]	Congenital [1.02]	Asthma [1.66]	URI [1.37]	Skin Viral [0.95]	LRI [3.2]	Other MN [2.17]	Endocrine [1.27]	Diarrhea [1.07]
Croydon	Dermatitis [1.44]	Neonatal [0.99]	Congenital [0.58]	Asthma [1.3]	URI [1.28]	Skin Viral [0.86]	Diarrhea [0.75]	ASD [1.1]	Endocrine [0.79]	Epilepsy [0.83]
Ealing	Dermatitis [1.43]	Neonatal [1.17]	Congenital [0.75]	Asthma [1.41]	URI [1.26]	LRI [1.45]	Diarrhea [0.98]	Endocrine [1.17]	Skin Viral [0.88]	ASD [1.1]
Enfield	Dermatitis [1.44]	Neonatal [1.04]	Congenital [0.62]	Asthma [1.32]	URI [1.31]	Skin Viral [0.86]	Diarrhea [0.85]	ASD [1.11]	Endocrine [0.88]	LRI [0.75]
Greenwich	Dermatitis [1.44]	Neonatal [0.99]	Congenital [0.69]	Asthma [1.32]	URI [1.31]	Skin Viral [0.86]	Diarrhea [0.82]	LRI [0.82]	ASD [1.17]	Endocrine [0.85]
Hackney	Dermatitis [1.43]	Neonatal [1.12]	Congenital [0.84]	Asthma [1.52]	URI [1.3]	Endocrine [1.26]	LRI [1.79]	Skin Viral [0.9]	Diarrhea [0.98]	ASD [1.09]
Hammersmith & Fulham	Dermatitis [1.44]	Neonatal [1.15]	Congenital [0.98]	Asthma [1.63]	URI [1.26]	Skin Viral [0.95]	Diarrhea [1.15]	Endocrine [1.26]	LRI [2.59]	ASD [1.11]
Haringey	Dermatitis [1.43]	Neonatal [1.14]	Congenital [0.79]	Asthma [1.37]	URI [1.31]	LRI [1.32]	Endocrine [1.21]	Skin Viral [0.87]	Diarrhea [0.85]	Other MN [1.4]
Harrow	Dermatitis [1.43]	Neonatal [1.15]	Congenital [0.72]	Asthma [1.35]	URI [1.3]	Endocrine [1.1]	Skin Viral [0.87]	Diarrhea [0.86]	Other MN [1.47]	ASD [1.1]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Havering	Dermatitis [1.44]	Neonatal [0.96]	Congenital [0.61]	Asthma [1.27]	URI [1.32]	Skin Viral [0.85]	Diarrhea [0.75]	LRI [0.68]	Endocrine [0.88]	ASD [1.11]
Hillingdon	Dermatitis [1.43]	Neonatal [1.22]	Congenital [0.92]	Asthma [1.48]	URI [1.28]	LRI [1.81]	Diarrhea [1.1]	Skin Viral [0.89]	Endocrine [1.15]	Other MN [1.75]
Hounslow	Dermatitis [1.43]	Neonatal [1.16]	Congenital [0.88]	Asthma [1.48]	URI [1.29]	LRI [1.73]	Endocrine [1.25]	Skin Viral [0.89]	Diarrhea [0.97]	ASD [1.11]
Islington	Dermatitis [1.44]	Congenital [1.14]	Neonatal [1.05]	Asthma [1.64]	URI [1.31]	LRI [3.72]	Endocrine [1.43]	Skin Viral [0.94]	Diarrhea [1.11]	Other MN [2.12]
Kensington & Chelsea	Dermatitis [1.44]	Neonatal [1.02]	Congenital [0.95]	Asthma [1.65]	URI [1.29]	Skin Viral [0.95]	Other MN [2.36]	Endocrine [1.28]	ASD [1.14]	Diarrhea [1.0]
Kingston upon Thames	Dermatitis [1.43]	Neonatal [1.18]	Congenital [0.95]	Asthma [1.51]	URI [1.26]	LRI [2.32]	Endocrine [1.28]	Skin Viral [0.9]	Other MN [1.81]	Diarrhea [0.94]
Lambeth	Dermatitis [1.43]	Congenital [0.95]	Neonatal [0.88]	Asthma [1.54]	URI [1.27]	LRI [2.35]	Skin Viral [0.92]	Endocrine [1.16]	Diarrhea [0.94]	ASD [1.11]
Lewisham	Dermatitis [1.43]	Neonatal [1.19]	Congenital [0.62]	Asthma [1.32]	URI [1.29]	Skin Viral [0.86]	LRI [0.95]	ASD [1.17]	Diarrhea [0.75]	Endocrine [0.87]
Merton	Dermatitis [1.43]	Neonatal [1.1]	Congenital [0.89]	Asthma [1.46]	URI [1.27]	Skin Viral [0.89]	Endocrine [1.17]	LRI [1.5]	Diarrhea [0.85]	Other MN [1.55]
Newham	Dermatitis [1.43]	Neonatal [1.12]	Congenital [0.8]	Asthma [1.36]	URI [1.28]	LRI [1.25]	Endocrine [1.43]	Diarrhea [0.93]	Skin Viral [0.86]	Other MN [1.53]
Redbridge	Dermatitis [1.44]	Neonatal [0.99]	Congenital [0.63]	Asthma [1.28]	URI [1.28]	Skin Viral [0.85]	Diarrhea [0.81]	LRI [0.75]	Endocrine [0.88]	ASD [1.11]
Richmond upon Thames	Dermatitis [1.43]	Neonatal [1.24]	Congenital [1.03]	Asthma [1.53]	URI [1.34]	Other MN [2.11]	LRI [2.18]	Skin Viral [0.91]	Endocrine [1.25]	ASD [1.12]
Southwark	Dermatitis [1.43]	Congenital [0.94]	Neonatal [0.89]	Asthma [1.57]	URI [1.27]	Skin Viral [0.93]	LRI [2.49]	Endocrine [1.22]	Diarrhea [0.99]	ASD [1.17]
Sutton	Dermatitis [1.43]	Neonatal [1.24]	Congenital [0.78]	Asthma [1.35]	URI [1.25]	Skin Viral [0.86]	LRI [0.97]	Endocrine [1.01]	Diarrhea [0.81]	ASD [1.11]
Tower Hamlets	Dermatitis [1.43]	Neonatal [1.23]	Congenital [0.95]	Asthma [1.58]	URI [1.28]	Skin Viral [0.92]	Endocrine [1.28]	Diarrhea [1.06]	LRI [2.19]	ASD [1.12]
Waltham Forest	Dermatitis [1.44]	Neonatal [0.99]	Congenital [0.59]	Asthma [1.25]	URI [1.28]	Diarrhea [0.79]	LRI [0.71]	Skin Viral [0.84]	Endocrine [0.88]	ASD [1.11]
Wandsworth	Dermatitis [1.43]	Neonatal [1.0]	Congenital [0.81]	Asthma [1.56]	URI [1.27]	Skin Viral [0.93]	ASD [1.12]	Diarrhea [0.89]	LRI [1.89]	Endocrine [0.99]
Westminster	Dermatitis [1.44]	Congenital [1.08]	Neonatal [1.0]	Asthma [1.65]	URI [1.28]	Other MN [2.45]	Endocrine [1.46]	LRI [3.21]	Skin Viral [0.94]	Diarrhea [1.06]
NE England	Dermatitis [1.54]	Congenital [0.68]	Neonatal [0.9]	Asthma [1.1]	URI [1.3]	Diarrhea [1.02]	Skin Viral [0.84]	Endocrine [0.91]	LRI [0.63]	ASD [1.1]
County Durham	Dermatitis [1.68]	Neonatal [0.92]	Congenital [0.58]	Asthma [1.09]	URI [1.29]	Diarrhea [0.98]	Skin Viral [0.84]	Endocrine [0.82]	ASD [1.1]	Falls [0.66]
Darlington	Dermatitis [1.44]	Congenital [0.77]	Neonatal [0.89]	Asthma [1.13]	URI [1.34]	Diarrhea [1.0]	Endocrine [1.05]	Skin Viral [0.85]	LRI [0.74]	Epilepsy [0.97]
Gateshead	Dermatitis [1.66]	Neonatal [0.98]	Congenital [0.62]	Asthma [1.11]	URI [1.28]	Diarrhea [0.98]	Skin Viral [0.85]	ASD [1.1]	Endocrine [0.8]	LRI [0.56]
Hartlepool	Dermatitis [1.45]	Congenital [0.71]	Neonatal [1.01]	Asthma [1.09]	URI [1.26]	LRI [0.67]	Diarrhea [0.83]	Skin Viral [0.83]	Endocrine [0.93]	Epilepsy [0.87]
Middlesbrough	Dermatitis [1.45]	Congenital [0.72]	Neonatal [0.82]	Asthma [1.11]	URI [1.28]	Diarrhea [1.06]	LRI [0.75]	Skin Viral [0.84]	Endocrine [0.92]	ASD [1.08]
Newcastle upon Tyne	Dermatitis [1.43]	Congenital [1.0]	Neonatal [0.95]	Asthma [1.27]	URI [1.32]	Diarrhea [1.27]	Endocrine [1.31]	LRI [1.57]	Skin Viral [0.88]	Epilepsy [1.25]
N Tyneside	Dermatitis [1.44]	Congenital [0.68]	Neonatal [0.85]	Asthma [1.11]	Diarrhea [1.14]	URI [1.26]	Skin Viral [0.84]	LRI [0.64]	ASD [1.12]	Endocrine [0.84]
Northumberland	Dermatitis [1.44]	Neonatal [0.83]	Congenital [0.59]	Asthma [1.08]	URI [1.34]	Diarrhea [0.92]	Skin Viral [0.84]	ASD [1.11]	Endocrine [0.79]	Falls [0.67]
Redcar & Cleveland	Dermatitis [1.45]	Congenital [0.55]	Neonatal [0.79]	Asthma [1.04]	URI [1.29]	Diarrhea [0.89]	Skin Viral [0.83]	ASD [1.11]	LRI [0.38]	Endocrine [0.71]
S Tyneside	Dermatitis [1.68]	Congenital [0.61]	Neonatal [0.83]	Asthma [1.05]	URI [1.3]	Diarrhea [0.87]	Skin Viral [0.83]	LRI [0.46]	Endocrine [0.79]	ASD [1.1]
Stockton-on-Tees	Dermatitis [1.44]	Neonatal [1.07]	Congenital [0.72]	Asthma [1.13]	URI [1.33]	Diarrhea [0.99]	Skin Viral [0.85]	LRI [0.75]	Endocrine [0.94]	Other MN [1.2]
Sunderland	Dermatitis [1.67]	Congenital [0.69]	Neonatal [0.8]	Asthma [0.99]	URI [1.28]	Diarrhea [1.03]	LRI [0.72]	Endocrine [1.01]	Skin Viral [0.84]	ASD [1.1]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
NW England	Dermatitis [1.44]	Neonatal [1.11]	Congenital [0.79]	Asthma [1.16]	URI [1.3]	Diarrhea [0.99]	LRI [0.94]	Endocrine [1.1]	Skin Viral [0.85]	ASD [1.1]
Blackburn with Darwen	Congenital [0.91]	Dermatitis [1.45]	Neonatal [1.13]	Asthma [1.15]	LRI [1.04]	Endocrine [1.57]	URI [1.34]	Diarrhea [1.02]	Other MN [1.48]	Iron [4.45]
Blackpool	Dermatitis [1.47]	Congenital [0.73]	Neonatal [1.04]	Asthma [1.08]	LRI [0.68]	URI [1.29]	Endocrine [1.17]	Diarrhea [0.7]	Skin Viral [0.83]	Falls [0.92]
Bolton	Dermatitis [1.45]	Neonatal [1.03]	Congenital [0.67]	Asthma [1.08]	URI [1.28]	Diarrhea [0.86]	Endocrine [1.12]	LRI [0.65]	Skin Viral [0.84]	Iron [4.15]
Bury	Dermatitis [1.44]	Congenital [0.76]	Neonatal [1.01]	Asthma [1.09]	URI [1.31]	LRI [0.81]	Diarrhea [0.93]	Iron [5.53]	Endocrine [1.05]	Skin Viral [0.84]
Cheshire E	Neonatal [1.37]	Dermatitis [1.43]	Congenital [0.9]	Asthma [1.23]	URI [1.29]	Diarrhea [1.06]	Skin Viral [0.88]	LRI [1.2]	Endocrine [1.03]	ASD [1.11]
Cheshire W & Chester	Dermatitis [1.43]	Neonatal [1.14]	Congenital [0.88]	Asthma [1.2]	URI [1.28]	Diarrhea [1.05]	Skin Viral [0.87]	LRI [1.1]	Endocrine [1.06]	ASD [1.11]
Cumbria	Dermatitis [1.44]	Neonatal [1.07]	Congenital [0.7]	Asthma [1.13]	URI [1.28]	Diarrhea [1.02]	Skin Viral [0.85]	Iron [5.68]	Endocrine [0.89]	ASD [1.1]
Halton	Dermatitis [1.44]	Congenital [0.88]	Neonatal [1.16]	Asthma [1.15]	LRI [1.24]	URI [1.37]	Endocrine [1.28]	Diarrhea [0.99]	Meningitis [1.34]	Skin Viral [0.85]
Knowsley	Dermatitis [1.44]	Congenital [0.88]	Neonatal [1.09]	Asthma [1.12]	LRI [1.04]	URI [1.35]	Diarrhea [0.9]	Endocrine [1.16]	Skin Viral [0.84]	Epilepsy [1.1]
Lancashire	Dermatitis [1.44]	Neonatal [1.08]	Congenital [0.75]	Asthma [1.14]	URI [1.31]	Diarrhea [1.05]	LRI [0.83]	Endocrine [1.05]	Skin Viral [0.85]	ASD [1.1]
Liverpool	Dermatitis [1.43]	Neonatal [1.21]	Congenital [0.82]	Asthma [1.19]	URI [1.29]	LRI [1.25]	Diarrhea [0.92]	Skin Viral [0.87]	Endocrine [1.08]	ASD [1.1]
Manchester	Dermatitis [1.43]	Neonatal [1.28]	Congenital [0.94]	Asthma [1.32]	URI [1.28]	Diarrhea [1.24]	Endocrine [1.34]	Skin Viral [0.9]	LRI [1.74]	ASD [1.1]
Oldham	Dermatitis [1.46]	Congenital [0.77]	Neonatal [0.85]	Asthma [1.09]	URI [1.33]	LRI [0.62]	Endocrine [1.21]	Diarrhea [0.83]	Skin Viral [0.83]	Epilepsy [0.97]
Rochdale	Dermatitis [1.45]	Congenital [0.67]	Neonatal [0.86]	Asthma [1.09]	URI [1.3]	Iron [5.08]	LRI [0.62]	Diarrhea [0.86]	Endocrine [1.12]	Skin Viral [0.83]
Salford	Dermatitis [1.43]	Neonatal [1.23]	Congenital [0.83]	Asthma [1.18]	URI [1.28]	LRI [1.07]	Endocrine [1.17]	Diarrhea [0.92]	Skin Viral [0.86]	ASD [1.1]
Sefton	Dermatitis [1.44]	Neonatal [1.06]	Congenital [0.67]	Asthma [1.08]	URI [1.31]	Diarrhea [0.8]	Skin Viral [0.84]	Endocrine [0.96]	LRI [0.57]	ASD [1.11]
St Helens	Dermatitis [1.45]	Neonatal [1.08]	Congenital [0.7]	Asthma [1.07]	URI [1.29]	LRI [0.7]	Diarrhea [0.84]	Endocrine [1.04]	Skin Viral [0.84]	ASD [1.1]
Stockport	Dermatitis [1.43]	Neonatal [0.95]	Congenital [0.72]	Asthma [1.16]	URI [1.29]	Diarrhea [1.11]	Skin Viral [0.86]	Endocrine [1.0]	Iron [6.08]	ASD [1.11]
Tameside	Dermatitis [1.45]	Congenital [0.63]	Neonatal [0.89]	Asthma [1.07]	URI [1.27]	Diarrhea [0.88]	Skin Viral [0.83]	LRI [0.48]	Endocrine [0.89]	ASD [1.1]
Trafford	Dermatitis [1.43]	Neonatal [1.26]	Congenital [0.86]	Asthma [1.27]	URI [1.27]	Diarrhea [1.03]	Skin Viral [0.89]	Endocrine [1.12]	ASD [1.1]	Other MN [1.46]
Warrington	Dermatitis [1.43]	Neonatal [1.31]	Congenital [0.86]	Asthma [1.23]	URI [1.27]	LRI [1.51]	Diarrhea [1.04]	Skin Viral [0.88]	Endocrine [0.96]	ASD [1.1]
Wigan	Dermatitis [1.45]	Neonatal [1.05]	Congenital [0.56]	Asthma [1.05]	URI [1.32]	Diarrhea [0.76]	Iron [4.1]	Skin Viral [0.83]	LRI [0.45]	Endocrine [0.8]
Wirral	Dermatitis [1.44]	Neonatal [1.16]	Congenital [0.73]	Asthma [1.07]	URI [1.33]	LRI [0.68]	Diarrhea [0.86]	Endocrine [1.07]	Skin Viral [0.83]	Epilepsy [0.91]
SE England	Dermatitis [1.54]	Neonatal [1.02]	Congenital [0.67]	Asthma [1.26]	URI [1.3]	Skin Viral [0.87]	Diarrhea [0.89]	ASD [1.19]	Endocrine [0.89]	Epilepsy [0.92]
Bracknell Forest	Dermatitis [1.43]	Congenital [0.8]	Neonatal [0.86]	Asthma [1.21]	URI [1.31]	Skin Viral [0.89]	LRI [1.3]	Iron [8.48]	Diarrhea [0.87]	Endocrine [0.99]
Brighton & Hove	Dermatitis [1.65]	Neonatal [1.16]	Congenital [0.84]	Asthma [1.27]	URI [1.28]	Skin Viral [0.9]	Endocrine [1.1]	Diarrhea [0.87]	ASD [1.1]	LRI [1.36]
Buckinghamshire	Dermatitis [1.43]	Neonatal [1.19]	Congenital [0.73]	Asthma [1.19]	URI [1.33]	Epilepsy [1.72]	Diarrhea [0.98]	Skin Viral [0.88]	Endocrine [0.96]	ASD [1.11]
E Sussex	Dermatitis [1.64]	Neonatal [1.03]	Congenital [0.63]	Asthma [1.03]	URI [1.3]	Diarrhea [0.8]	Skin Viral [0.84]	ASD [1.18]	Endocrine [0.83]	Iron [4.08]
Hampshire	Dermatitis [1.43]	Neonatal [0.98]	Congenital [0.59]	Asthma [1.68]	URI [1.3]	Skin Viral [0.87]	Diarrhea [0.89]	Iron [6.7]	ASD [1.11]	Endocrine [0.85]
Isle of Wight	Dermatitis [1.42]	Neonatal [0.92]	Congenital [0.66]	Asthma [1.58]	URI [1.3]	Skin Viral [0.84]	Diarrhea [0.76]	LRI [0.59]	Endocrine [0.87]	ASD [1.1]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Kent	Dermatitis [1.63]	Neonatal [0.95]	Congenital [0.54]	Asthma [1.09]	URI [1.28]	ASD [1.55]	Skin Viral [0.85]	Diarrhea [0.79]	Endocrine [0.77]	Falls [0.65]
Medway	Dermatitis [1.44]	Neonatal [1.0]	Congenital [0.55]	Asthma [1.05]	URI [1.32]	Diarrhea [0.8]	Skin Viral [0.84]	ASD [1.1]	Endocrine [0.75]	Epilepsy [0.8]
Milton Keynes	Dermatitis [1.43]	Neonatal [0.93]	Congenital [0.74]	Asthma [1.21]	URI [1.28]	Diarrhea [1.01]	LRI [1.27]	Skin Viral [0.88]	Endocrine [0.96]	ASD [1.11]
Oxfordshire	Dermatitis [1.79]	Neonatal [0.98]	Congenital [0.74]	Asthma [1.24]	URI [1.28]	Skin Viral [0.9]	Diarrhea [0.91]	Endocrine [1.0]	ASD [1.11]	Other MN [1.27]
Portsmouth	Dermatitis [1.43]	Neonatal [1.01]	Congenital [0.66]	Asthma [1.18]	URI [1.27]	Diarrhea [0.96]	Skin Viral [0.88]	Endocrine [0.95]	ASD [1.1]	Epilepsy [0.99]
Reading	Dermatitis [1.79]	Neonatal [1.3]	Congenital [1.05]	Asthma [1.33]	URI [1.3]	LRI [2.61]	Endocrine [1.44]	Diarrhea [1.06]	Skin Viral [0.91]	Epilepsy [1.37]
Slough	Dermatitis [1.43]	Congenital [0.97]	Neonatal [1.13]	Asthma [1.28]	LRI [1.91]	URI [1.28]	Endocrine [1.27]	Diarrhea [1.04]	Skin Viral [0.88]	Epilepsy [1.16]
Southampton	Dermatitis [1.43]	Neonatal [1.01]	Congenital [0.82]	Asthma [1.2]	URI [1.3]	Diarrhea [0.95]	Skin Viral [0.87]	Endocrine [1.12]	LRI [1.15]	Other MN [1.46]
Surrey	Dermatitis [1.61]	Neonatal [1.12]	Congenital [0.66]	Asthma [1.24]	URI [1.29]	Skin Viral [0.9]	Diarrhea [0.88]	ASD [1.12]	Iron [7.35]	Falls [0.64]
West Berkshire	Dermatitis [1.43]	Neonatal [0.98]	Congenital [0.79]	Asthma [1.23]	URI [1.29]	Skin Viral [0.88]	Diarrhea [0.92]	ASD [1.12]	Endocrine [0.95]	Other MN [1.46]
W Sussex	Dermatitis [1.48]	Neonatal [1.0]	Congenital [0.62]	Asthma [1.28]	URI [1.3]	Skin Viral [0.86]	Diarrhea [0.84]	ASD [1.11]	Endocrine [0.8]	Falls [0.64]
Windsor & Maidenhead	Dermatitis [1.43]	Congenital [1.02]	Neonatal [1.06]	Asthma [1.3]	URI [1.33]	LRI [2.27]	Diarrhea [1.06]	Endocrine [1.24]	Skin Viral [0.9]	Other MN [1.9]
Wokingham	Dermatitis [1.43]	Neonatal [1.05]	Congenital [0.87]	Asthma [1.26]	URI [1.3]	Skin Viral [0.9]	Diarrhea [0.99]	LRI [1.53]	Other MN [1.66]	Endocrine [1.04]
SW England	Dermatitis [1.44]	Neonatal [1.04]	Congenital [0.62]	Asthma [1.13]	URI [1.3]	Skin Viral [0.86]	Diarrhea [0.85]	ASD [1.15]	Iron [5.66]	Endocrine [0.88]
Bath & NE Somerset	Neonatal [1.4]	Dermatitis [1.43]	Congenital [0.79]	Asthma [1.23]	URI [1.27]	Diarrhea [1.03]	Skin Viral [0.89]	ASD [1.32]	Other MN [1.56]	Endocrine [0.92]
Bournemouth	Dermatitis [1.43]	Neonatal [1.06]	Congenital [0.69]	Asthma [1.18]	URI [1.26]	Skin Viral [0.88]	Diarrhea [0.92]	Endocrine [1.07]	Iron [7.49]	ASD [1.1]
Bristol	Dermatitis [1.43]	Neonatal [1.25]	Congenital [0.75]	Asthma [1.27]	URI [1.28]	Skin Viral [0.9]	ASD [1.31]	Diarrhea [0.92]	Endocrine [0.98]	Epilepsy [1.02]
Cornwall	Dermatitis [1.44]	Neonatal [1.0]	Congenital [0.5]	Asthma [1.05]	URI [1.29]	Diarrhea [0.81]	Iron [5.03]	Skin Viral [0.84]	ASD [1.11]	Endocrine [0.79]
Devon	Dermatitis [1.44]	Neonatal [0.94]	Congenital [0.59]	Asthma [1.1]	URI [1.3]	Iron [7.6]	Diarrhea [0.86]	Skin Viral [0.85]	Endocrine [0.89]	ASD [1.11]
Dorset	Dermatitis [1.44]	Neonatal [1.0]	Congenital [0.61]	Asthma [1.09]	URI [1.3]	Diarrhea [0.8]	Skin Viral [0.85]	Endocrine [0.93]	ASD [1.1]	Other MN [1.13]
Gloucestershire	Dermatitis [1.43]	Neonatal [0.97]	Congenital [0.59]	Asthma [1.14]	URI [1.28]	Iron [9.51]	Diarrhea [0.94]	Skin Viral [0.87]	ASD [1.1]	Endocrine [0.83]
N Somerset	Dermatitis [1.44]	Neonatal [1.11]	Congenital [0.62]	Asthma [1.1]	URI [1.29]	Skin Viral [0.85]	ASD [1.32]	Diarrhea [0.73]	Endocrine [0.72]	Epilepsy [0.81]
Plymouth	Dermatitis [1.44]	Neonatal [1.03]	Congenital [0.67]	Asthma [1.11]	URI [1.26]	Diarrhea [0.9]	Skin Viral [0.85]	Endocrine [0.96]	ASD [1.1]	LRI [0.71]
Poole	Dermatitis [1.43]	Neonatal [1.07]	Congenital [0.84]	Asthma [1.15]	URI [1.33]	LRI [1.14]	Endocrine [1.18]	Diarrhea [0.88]	Skin Viral [0.86]	Other MN [1.49]
Somerset	Dermatitis [1.44]	Neonatal [1.04]	Congenital [0.54]	Asthma [1.06]	URI [1.33]	Iron [6.08]	Diarrhea [0.78]	Skin Viral [0.84]	Endocrine [0.87]	ASD [1.1]
S Gloucestershire	Dermatitis [1.43]	Neonatal [1.11]	Congenital [0.67]	Asthma [1.2]	URI [1.29]	Skin Viral [0.88]	ASD [1.3]	Diarrhea [0.79]	Endocrine [0.8]	Other MN [1.22]
Swindon	Dermatitis [1.44]	Neonatal [0.8]	Congenital [0.63]	Asthma [1.15]	URI [1.38]	Skin Viral [0.86]	Diarrhea [0.87]	LRI [0.9]	ASD [1.11]	Endocrine [0.79]
Torbay	Dermatitis [1.46]	Neonatal [0.84]	Congenital [0.55]	Asthma [1.02]	URI [1.32]	Iron [4.39]	Endocrine [1.05]	Skin Viral [0.83]	Diarrhea [0.67]	ASD [1.09]
Wiltshire	Dermatitis [1.44]	Neonatal [1.15]	Congenital [0.57]	Asthma [1.1]	URI [1.32]	Skin Viral [0.85]	Diarrhea [0.77]	ASD [1.1]	Endocrine [0.79]	LRI [0.59]
W Midlands	Dermatitis [1.44]	Neonatal [1.0]	Congenital [0.72]	Asthma [1.13]	URI [1.3]	Diarrhea [0.92]	Endocrine [1.15]	Skin Viral [0.85]	LRI [0.77]	Epilepsy [0.93]
Birmingham	Dermatitis [1.44]	Congenital [0.81]	Neonatal [1.02]	Asthma [1.16]	URI [1.27]	Endocrine [1.38]	Diarrhea [0.98]	LRI [1.04]	Skin Viral [0.86]	Falls [0.84]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Coventry	Dermatitis [1.43]	Neonatal [0.98]	Congenital [0.78]	Asthma [1.2]	URI [1.28]	Endocrine [1.22]	Diarrhea [0.9]	Skin Viral [0.86]	LRI [0.94]	Epilepsy [1.09]
Dudley	Dermatitis [1.45]	Neonatal [1.05]	Congenital [0.67]	Asthma [1.06]	URI [1.31]	Endocrine [1.19]	Diarrhea [0.86]	LRI [0.54]	Skin Viral [0.84]	Epilepsy [0.88]
Herefordshire	Dermatitis [1.43]	Neonatal [1.02]	Congenital [0.71]	Asthma [1.13]	URI [1.29]	Diarrhea [0.93]	Endocrine [1.09]	Skin Viral [0.85]	ASD [1.11]	Other MN [1.19]
Sandwell	Dermatitis [1.45]	Neonatal [1.02]	Congenital [0.58]	Asthma [1.06]	URI [1.32]	Endocrine [1.18]	Diarrhea [0.84]	Skin Viral [0.83]	LRI [0.46]	ASD [1.1]
Shropshire	Dermatitis [1.44]	Congenital [0.81]	Neonatal [1.0]	Asthma [1.12]	URI [1.31]	Diarrhea [0.87]	LRI [0.84]	Skin Viral [0.85]	Other MN [1.33]	Endocrine [0.92]
Solihull	Dermatitis [1.43]	Congenital [0.86]	Neonatal [0.79]	Asthma [1.19]	URI [1.35]	Diarrhea [0.92]	Skin Viral [0.87]	Endocrine [1.09]	Other MN [1.57]	LRI [1.01]
Staffordshire	Dermatitis [1.44]	Neonatal [0.96]	Congenital [0.63]	Asthma [1.1]	URI [1.31]	Diarrhea [0.96]	Skin Viral [0.85]	Endocrine [0.93]	ASD [1.04]	Falls [0.75]
Stoke-on-Trent	Dermatitis [1.45]	Neonatal [1.15]	Congenital [0.73]	Asthma [1.08]	URI [1.27]	Diarrhea [0.92]	Endocrine [1.1]	LRI [0.61]	Skin Viral [0.84]	Falls [0.92]
Telford & Wrekin	Dermatitis [1.44]	Neonatal [1.01]	Congenital [0.72]	Asthma [1.11]	URI [1.33]	Diarrhea [0.86]	LRI [0.73]	Endocrine [1.01]	Skin Viral [0.84]	Iron [5.17]
Walsall	Dermatitis [1.45]	Neonatal [0.97]	Congenital [0.62]	Asthma [1.05]	URI [1.3]	Endocrine [1.23]	LRI [0.53]	Diarrhea [0.73]	Skin Viral [0.83]	ASD [1.1]
Warwickshire	Dermatitis [1.43]	Neonatal [1.02]	Congenital [0.68]	Asthma [1.19]	URI [1.29]	Skin Viral [0.87]	Diarrhea [0.91]	Endocrine [0.94]	ASD [1.1]	LRI [0.81]
Wolverhampton	Dermatitis [1.45]	Congenital [0.62]	Neonatal [0.75]	Asthma [1.08]	URI [1.33]	Diarrhea [0.93]	Endocrine [1.14]	Skin Viral [0.84]	LRI [0.62]	ASD [1.09]
Worcestershire	Dermatitis [1.43]	Neonatal [1.09]	Congenital [0.68]	Asthma [1.13]	URI [1.36]	Skin Viral [0.85]	Endocrine [1.04]	Diarrhea [0.83]	LRI [0.75]	ASD [1.11]
Yorkshire & Humber	Dermatitis [1.44]	Neonatal [0.95]	Congenital [0.7]	Asthma [1.14]	URI [1.3]	Diarrhea [0.92]	Skin Viral [0.85]	Endocrine [1.0]	LRI [0.76]	ASD [1.1]
Barnsley	Dermatitis [1.46]	Neonatal [0.97]	Congenital [0.6]	Asthma [1.06]	URI [1.3]	Diarrhea [0.83]	LRI [0.49]	Skin Viral [0.83]	Endocrine [0.88]	Epilepsy [0.84]
Bradford	Dermatitis [1.45]	Congenital [0.74]	Neonatal [1.02]	Asthma [1.11]	URI [1.29]	LRI [0.76]	Endocrine [1.2]	Diarrhea [0.85]	Skin Viral [0.84]	Epilepsy [0.89]
Calderdale	Dermatitis [1.44]	Congenital [0.85]	Neonatal [0.96]	Asthma [1.14]	URI [1.34]	LRI [1.1]	Endocrine [1.37]	Diarrhea [0.95]	Other MN [1.55]	Skin Viral [0.85]
Doncaster	Dermatitis [1.46]	Neonatal [1.12]	Congenital [0.55]	Asthma [1.05]	URI [1.33]	Diarrhea [0.78]	Skin Viral [0.83]	LRI [0.41]	Endocrine [0.8]	ASD [1.1]
E Riding of Yorkshire	Dermatitis [1.44]	Neonatal [0.91]	Congenital [0.64]	Asthma [1.1]	URI [1.28]	Diarrhea [0.82]	Skin Viral [0.84]	ASD [1.11]	Endocrine [0.83]	LRI [0.56]
Kingston upon Hull	Dermatitis [1.44]	Neonatal [0.87]	Congenital [0.63]	Asthma [1.12]	URI [1.28]	Diarrhea [0.85]	Skin Viral [0.84]	LRI [0.66]	Endocrine [0.92]	Epilepsy [0.96]
Kirklees	Dermatitis [1.45]	Congenital [0.7]	Neonatal [0.89]	Asthma [1.11]	URI [1.31]	Diarrhea [0.9]	LRI [0.73]	Endocrine [1.1]	Skin Viral [0.84]	Iron [4.88]
Leeds	Dermatitis [1.43]	Neonatal [0.91]	Congenital [0.74]	Asthma [1.24]	URI [1.31]	Skin Viral [0.89]	Diarrhea [0.97]	Endocrine [1.02]	ASD [1.1]	LRI [1.02]
NE Lincolnshire	Dermatitis [1.45]	Congenital [0.7]	Neonatal [0.92]	Asthma [1.1]	URI [1.3]	LRI [0.72]	Endocrine [1.16]	Skin Viral [0.84]	Diarrhea [0.7]	Epilepsy [0.9]
N Lincolnshire	Dermatitis [1.44]	Neonatal [0.84]	Congenital [0.6]	Asthma [1.1]	URI [1.3]	Diarrhea [0.79]	Skin Viral [0.84]	LRI [0.54]	Endocrine [0.86]	ASD [1.1]
N Yorkshire	Dermatitis [1.43]	Neonatal [1.05]	Congenital [0.7]	Asthma [1.15]	URI [1.3]	Diarrhea [1.0]	Skin Viral [0.86]	Endocrine [0.94]	Other MN [1.3]	ASD [1.11]
Rotherham	Dermatitis [1.45]	Neonatal [0.83]	Congenital [0.56]	Asthma [1.06]	URI [1.29]	Diarrhea [0.76]	Skin Viral [0.83]	LRI [0.45]	ASD [1.11]	Endocrine [0.77]
Sheffield	Dermatitis [1.43]	Neonatal [1.01]	Congenital [0.74]	Asthma [1.19]	URI [1.29]	Diarrhea [1.01]	Skin Viral [0.87]	Endocrine [0.99]	ASD [1.11]	Iron [6.22]
Wakefield	Dermatitis [1.45]	Neonatal [0.74]	Congenital [0.51]	Asthma [1.09]	URI [1.29]	Diarrhea [0.91]	Skin Viral [0.84]	ASD [1.1]	Endocrine [0.8]	LRI [0.45]
York	Dermatitis [1.43]	Congenital [0.91]	Neonatal [0.94]	Asthma [1.28]	URI [1.34]	Diarrhea [1.05]	Skin Viral [0.9]	Other MN [1.81]	LRI [1.48]	ASD [1.1]
N Ireland	Dermatitis [1.19]	Neonatal [0.87]	Congenital [0.63]	Asthma [1.01]	URI [1.31]	Skin Viral [0.94]	Diarrhea [0.75]	Endocrine [0.85]	ASD [1.03]	Falls [0.71]
Scotland	Dermatitis [1.29]	Congenital [0.61]	Neonatal [0.8]	Asthma [1.02]	URI [1.31]	Skin Viral [0.91]	Diarrhea [0.64]	Endocrine [0.82]	ASD [1.04]	Epilepsy [0.79]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Wales	Dermatitis [1.21]	Neonatal [0.8]	Congenital [0.53]	Asthma [1.01]	URI [1.32]	Skin Viral [1.02]	Diarrhea [0.68]	Endocrine [0.73]	ASD [0.98]	Falls [0.69]
Latin America and Caribbean	LRI [0.52]	Diarrhea [1.35]	Congenital [0.49]	Neonatal [1.0]	Asthma [1.27]	Road Inj [0.55]	Dermatitis [0.88]	HIV [3.21]	Drown [0.37]	PEM [2.45]
Andean Latin America	HIV [13.61]	LRI [0.68]	Congenital [0.44]	Diarrhea [1.02]	Neonatal [0.9]	Dermatitis [1.43]	Asthma [1.55]	Road Inj [0.72]	F Body [1.31]	Iron [1.92]
Bolivia	LRI [0.65]	HIV [9.5]	Congenital [0.5]	Diarrhea [0.72]	Iron [2.5]	Asthma [1.65]	Road Inj [0.77]	Neonatal [0.85]	Dermatitis [1.53]	F Body [1.34]
Ecuador	LRI [0.94]	Congenital [0.66]	Road Inj [1.1]	Diarrhea [1.06]	Neonatal [0.97]	Dermatitis [1.3]	Asthma [1.47]	Drown [0.61]	F Body [0.99]	Leukemia [0.92]
Peru	HIV [19.81]	LRI [0.47]	Diarrhea [0.96]	Neonatal [0.88]	Dermatitis [1.47]	Asthma [1.48]	Congenital [0.3]	F Body [1.37]	Iron [2.1]	Road Inj [0.49]
Caribbean	Diarrhea [3.8]	LRI [1.19]	Congenital [0.89]	Road Inj [1.5]	Asthma [2.83]	Whooping [15.1]	Drown [0.92]	Neonatal [0.89]	Meningitis [0.96]	PEM [5.48]
Antigua	LRI [1.63]	Congenital [0.78]	Asthma [2.37]	Neonatal [0.96]	Drown [1.04]	Dermatitis [1.03]	Iron [4.03]	Endocrine [2.34]	Diarrhea [1.13]	PEM [15.54]
Bahamas	Asthma [2.59]	LRI [1.51]	Congenital [0.6]	Neonatal [0.97]	Dermatitis [1.01]	Endocrine [2.8]	Drown [1.07]	Diarrhea [1.17]	HIV [7.04]	Road Inj [0.49]
Barbados	Asthma [2.18]	Neonatal [0.94]	Dermatitis [1.0]	Congenital [0.39]	LRI [0.57]	Diarrhea [0.92]	Urticaria [1.03]	Endocrine [0.99]	Skin Viral [0.81]	URI [0.84]
Belize	LRI [0.32]	Asthma [1.86]	Congenital [0.36]	Neonatal [0.87]	Dermatitis [1.19]	Drown [0.43]	Diarrhea [0.4]	PEM [1.66]	Iron [1.18]	Road Inj [0.35]
Bermuda	Asthma [3.23]	Congenital [0.75]	Neonatal [1.02]	Dermatitis [0.98]	LRI [1.42]	Drown [1.26]	Diarrhea [1.45]	Endocrine [1.73]	Leukemia [1.2]	Road Inj [0.55]
Cuba	Asthma [2.17]	Congenital [0.4]	Neonatal [0.79]	Dermatitis [1.06]	LRI [0.28]	Iron [1.55]	Diarrhea [0.42]	Urticaria [0.94]	Drown [0.26]	Leukemia [0.54]
Dominica	Congenital [0.97]	LRI [1.25]	Asthma [2.61]	Neonatal [1.13]	Drown [0.92]	Dermatitis [1.07]	Endocrine [2.55]	Road Inj [0.66]	Diarrhea [0.96]	Leukemia [1.23]
Dominican Rep	Congenital [0.5]	LRI [0.32]	Diarrhea [0.72]	Neonatal [0.84]	Asthma [1.39]	Whooping [4.01]	Road Inj [0.57]	Dermatitis [1.2]	Violence [1.73]	Meningitis [0.29]
Grenada	LRI [0.41]	Neonatal [0.89]	Asthma [1.74]	Congenital [0.32]	Dermatitis [1.11]	Iron [2.28]	Diarrhea [0.51]	Drown [0.33]	Endocrine [1.17]	Vit A [0.78]
Guyana	LRI [0.23]	Neonatal [0.93]	Asthma [1.63]	Diarrhea [0.51]	Congenital [0.31]	PEM [2.0]	Dermatitis [1.2]	Drown [0.33]	Iron [1.11]	Endocrine [1.27]
Haiti	Diarrhea [0.69]	LRI [0.46]	Congenital [0.8]	Road Inj [1.53]	Whooping [1.27]	Drown [0.72]	Asthma [2.23]	Meningitis [0.45]	PEM [0.5]	Iron [1.47]
Jamaica	Neonatal [1.43]	Congenital [0.64]	Asthma [2.16]	Dermatitis [1.07]	LRI [0.28]	Iron [2.02]	Diarrhea [0.57]	HIV [3.42]	Vit A [0.98]	Violence [1.44]
Puerto Rico	Disaster [7969.54]	Asthma [3.91]	Neonatal [1.0]	Dermatitis [0.97]	Congenital [0.48]	Diarrhea [1.32]	Urticaria [1.19]	Endocrine [1.02]	Skin Viral [0.83]	Road Inj [0.44]
St Lucia	Asthma [1.99]	Neonatal [0.9]	Dermatitis [1.1]	Congenital [0.27]	Diarrhea [0.66]	LRI [0.23]	Drown [0.22]	Urticaria [0.91]	Endocrine [0.79]	Epilepsy [0.66]
St Vincent	Asthma [1.71]	Neonatal [0.85]	Congenital [0.29]	LRI [0.2]	Dermatitis [1.17]	Diarrhea [0.36]	PEM [1.87]	Vit A [0.93]	Endocrine [1.39]	Drown [0.23]
Suriname	Asthma [2.06]	Congenital [0.41]	Neonatal [0.96]	LRI [0.39]	Diarrhea [0.87]	Dermatitis [1.12]	Drown [0.45]	HIV [3.02]	Road Inj [0.37]	PEM [2.44]
Trinidad Tobago	Congenital [0.75]	Asthma [2.54]	Neonatal [0.97]	Dermatitis [1.05]	LRI [0.48]	Road Inj [0.55]	Diarrhea [0.77]	Endocrine [1.41]	Violence [1.87]	F Body [0.93]
Virgin Isl US	Asthma [2.88]	Neonatal [1.02]	Congenital [0.67]	Dermatitis [0.98]	Diarrhea [1.62]	Disaster [568.38]	Endocrine [1.57]	LRI [0.91]	Drown [0.74]	Urticaria [1.17]
Central Latin America	Diarrhea [1.22]	Congenital [0.49]	LRI [0.42]	Neonatal [1.15]	Road Inj [0.45]	Dermatitis [0.78]	Asthma [0.81]	PEM [2.16]	Violence [1.61]	Drown [0.28]
Colombia	Neonatal [1.18]	Congenital [0.41]	LRI [0.33]	Diarrhea [0.82]	Drown [0.47]	Dermatitis [0.86]	PEM [3.12]	Asthma [0.83]	Road Inj [0.35]	Epilepsy [1.07]
Costa Rica	Neonatal [1.05]	Congenital [0.38]	Diarrhea [0.93]	Asthma [1.19]	Dermatitis [0.81]	LRI [0.13]	Epilepsy [0.84]	Road Inj [0.26]	Drown [0.22]	Urticaria [0.91]
El Salvador	HIV [12.7]	Neonatal [1.06]	Diarrhea [0.46]	Congenital [0.22]	Asthma [0.9]	Dermatitis [0.82]	LRI [0.11]	Vit A [0.53]	Whooping [1.26]	Epilepsy [0.67]
Guatemala	LRI [0.83]	Diarrhea [1.32]	Congenital [0.39]	Neonatal [1.03]	PEM [1.09]	F Body [0.93]	Dermatitis [1.01]	Asthma [0.66]	Iron [0.66]	Road Inj [0.25]
Honduras	Diarrhea [0.29]	Neonatal [1.11]	Asthma [1.06]	Violence [1.72]	Congenital [0.15]	Dermatitis [1.01]	Endocrine [1.67]	Whooping [0.55]	Leukemia [0.79]	LRI [0.05]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Mexico	Congenital [0.57]	Neonatal [1.17]	Diarrhea [0.79]	LRI [0.26]	Road Inj [0.54]	Violence [2.1]	Epilepsy [1.24]	Dermatitis [0.65]	Asthma [0.67]	Vit A [0.88]
Aguascalientes	Congenital [0.58]	Neonatal [1.18]	Diarrhea [0.86]	Road Inj [0.63]	LRI [0.2]	Asthma [0.8]	Dermatitis [0.64]	Epilepsy [1.29]	F Body [0.8]	Violence [1.6]
Baja CA	Neonatal [1.13]	Congenital [0.41]	Violence [2.13]	F Body [0.94]	Diarrhea [0.54]	Road Inj [0.41]	Dermatitis [0.64]	LRI [0.18]	Epilepsy [1.09]	Vit A [0.92]
Baja CA Sur	Neonatal [1.2]	Congenital [0.43]	Diarrhea [0.79]	Road Inj [0.52]	LRI [0.21]	Dermatitis [0.64]	Violence [1.87]	Vit A [1.12]	Asthma [0.74]	Epilepsy [1.13]
Campeche	Neonatal [1.22]	Congenital [0.43]	Diarrhea [0.55]	LRI [0.16]	Road Inj [0.38]	Vit A [0.95]	Dermatitis [0.67]	Violence [1.57]	Asthma [0.65]	Drown [0.24]
Chiapas	Diarrhea [0.52]	LRI [0.2]	Congenital [0.36]	Neonatal [1.1]	Vit A [0.76]	PEM [0.51]	Epilepsy [1.12]	Dermatitis [0.72]	Leukemia [0.67]	Asthma [0.52]
Chihuahua	Congenital [0.65]	Neonatal [1.15]	Road Inj [0.97]	LRI [0.36]	Diarrhea [0.87]	Violence [3.29]	F Body [1.46]	Drown [0.39]	Epilepsy [1.38]	Asthma [0.81]
Coahuila	Congenital [0.6]	Neonatal [1.03]	Diarrhea [0.83]	Road Inj [0.6]	LRI [0.21]	Violence [1.92]	F Body [0.87]	Asthma [0.77]	Dermatitis [0.65]	Epilepsy [1.23]
Colima	Neonatal [1.24]	Congenital [0.51]	Diarrhea [0.73]	Road Inj [0.55]	Violence [2.31]	LRI [0.22]	Dermatitis [0.64]	Asthma [0.73]	Epilepsy [1.22]	Drown [0.33]
Mexico City	Congenital [0.92]	Neonatal [1.33]	LRI [0.75]	Diarrhea [1.24]	Violence [3.12]	Dermatitis [0.77]	Epilepsy [1.62]	Road Inj [0.54]	Leukemia [1.04]	Vit A [1.26]
Durango	Congenital [0.56]	Neonatal [1.08]	Road Inj [0.75]	Diarrhea [0.58]	LRI [0.2]	Violence [2.38]	Dermatitis [0.86]	F Body [0.86]	Asthma [0.76]	Drown [0.3]
Guanajuato	Congenital [0.45]	Neonatal [1.02]	Diarrhea [0.49]	Road Inj [0.52]	LRI [0.15]	Vit A [0.99]	Dermatitis [0.67]	Asthma [0.71]	Epilepsy [1.13]	Violence [1.5]
Guerrero	Congenital [0.74]	Diarrhea [0.59]	LRI [0.25]	Neonatal [1.27]	Violence [3.77]	Road Inj [0.82]	PEM [1.16]	Drown [0.35]	F Body [0.95]	Leukemia [1.01]
Hidalgo	Neonatal [1.31]	Congenital [0.35]	Diarrhea [0.27]	LRI [0.1]	Dermatitis [0.7]	Epilepsy [1.08]	Road Inj [0.3]	Asthma [0.6]	Violence [1.32]	F Body [0.5]
Jalisco	Congenital [0.55]	Neonatal [1.13]	Road Inj [0.7]	Diarrhea [0.64]	LRI [0.21]	Violence [1.93]	Epilepsy [1.36]	Dermatitis [0.65]	Vit A [0.95]	Drown [0.31]
Mexico	Neonatal [1.33]	Congenital [0.46]	Diarrhea [0.66]	LRI [0.19]	Violence [2.18]	Vit A [1.23]	Road Inj [0.38]	Iron [1.25]	Epilepsy [1.11]	Dermatitis [0.57]
Michoacan	Congenital [0.56]	Neonatal [1.02]	Road Inj [0.76]	LRI [0.19]	Diarrhea [0.39]	Violence [2.21]	Drown [0.35]	F Body [0.81]	Asthma [0.67]	Leukemia [0.75]
Morelos	Congenital [0.56]	Neonatal [1.13]	Diarrhea [0.61]	Violence [2.32]	LRI [0.18]	Road Inj [0.42]	Epilepsy [1.2]	Disaster [126.68]	Dermatitis [0.56]	Asthma [0.63]
Nayarit	Congenital [0.5]	Neonatal [1.23]	Road Inj [0.71]	Diarrhea [0.59]	LRI [0.2]	Violence [2.17]	Drown [0.32]	Dermatitis [0.67]	Asthma [0.7]	Epilepsy [1.14]
Nuevo Leon	Congenital [0.55]	Neonatal [0.97]	Diarrhea [0.78]	LRI [0.24]	Violence [2.03]	Road Inj [0.45]	Dermatitis [0.54]	Epilepsy [1.18]	F Body [0.8]	Asthma [0.6]
Oaxaca	Congenital [0.86]	Diarrhea [0.77]	LRI [0.3]	PEM [2.14]	Neonatal [1.18]	Road Inj [0.62]	Violence [2.54]	Epilepsy [1.62]	F Body [0.81]	Drown [0.28]
Puebla	Congenital [0.74]	LRI [0.31]	Neonatal [1.13]	Diarrhea [0.55]	Road Inj [0.6]	PEM [1.42]	Violence [1.67]	F Body [0.74]	Leukemia [0.87]	Drown [0.26]
Queretaro	Congenital [0.51]	Neonatal [1.2]	Diarrhea [0.61]	Road Inj [0.49]	LRI [0.18]	Dermatitis [0.65]	Asthma [0.73]	Epilepsy [1.17]	Vit A [0.93]	Violence [1.57]
Quintana Roo	Neonatal [1.4]	Congenital [0.43]	Diarrhea [0.7]	LRI [0.17]	Road Inj [0.43]	Violence [1.75]	Dermatitis [0.67]	Asthma [0.67]	Vit A [0.88]	F Body [0.65]
San Luis Potosi	Congenital [0.66]	Neonatal [1.04]	LRI [0.28]	Diarrhea [0.66]	Road Inj [0.65]	Epilepsy [1.5]	Vit A [1.06]	Violence [1.84]	Drown [0.32]	Asthma [0.73]
Sinaloa	Congenital [0.53]	Neonatal [1.07]	Road Inj [0.76]	Diarrhea [0.71]	Violence [2.5]	LRI [0.22]	Vit A [1.31]	Drown [0.4]	Dermatitis [0.64]	Asthma [0.75]
Sonora	Congenital [0.48]	Neonatal [1.07]	Road Inj [0.68]	Diarrhea [0.77]	LRI [0.24]	Violence [2.01]	Vit A [1.19]	Dermatitis [0.64]	Asthma [0.75]	Epilepsy [1.24]
Tabasco	Congenital [0.62]	Neonatal [1.25]	Diarrhea [0.63]	Drown [0.52]	LRI [0.21]	Road Inj [0.64]	Violence [1.7]	Epilepsy [1.19]	Leukemia [0.81]	Dermatitis [0.67]
Tamaulipas	Congenital [0.54]	Neonatal [1.27]	Diarrhea [0.72]	Road Inj [0.6]	Violence [2.14]	Vit A [1.24]	LRI [0.17]	Drown [0.33]	Asthma [0.7]	Dermatitis [0.54]
Tlaxcala	Neonatal [1.19]	Congenital [0.43]	LRI [0.19]	Diarrhea [0.43]	Road Inj [0.42]	Epilepsy [1.16]	Dermatitis [0.69]	Asthma [0.64]	Violence [1.41]	F Body [0.51]
Veracruz	Congenital [0.45]	Neonatal [1.16]	Diarrhea [0.41]	LRI [0.12]	Violence [1.51]	Dermatitis [0.7]	Epilepsy [1.09]	Asthma [0.63]	Iron [0.83]	PEM [0.82]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Yucatan	Congenital [0.52]	Neonatal [1.07]	LRI [0.27]	Diarrhea [0.7]	Road Inj [0.38]	Dermatitis [0.63]	Epilepsy [1.16]	Violence [1.51]	Asthma [0.66]	Vit A [0.83]
Zacatecas	Congenital [0.42]	Neonatal [0.82]	Road Inj [0.67]	LRI [0.17]	Diarrhea [0.43]	Epilepsy [1.21]	Violence [1.6]	Asthma [0.7]	Dermatitis [0.68]	F Body [0.61]
Nicaragua	HIV [3.83]	Neonatal [1.03]	Diarrhea [0.24]	LRI [0.12]	Congenital [0.22]	Dermatitis [1.01]	Asthma [0.62]	Iron [0.51]	Epilepsy [0.62]	PEM [0.26]
Panama	Diarrhea [3.47]	LRI [1.15]	Congenital [0.69]	PEM [16.33]	Neonatal [1.11]	Asthma [1.51]	Dermatitis [1.01]	Drown [0.59]	Road Inj [0.47]	Iron [1.53]
Venezuela	Diarrhea [2.01]	Congenital [0.55]	Neonatal [1.15]	LRI [0.44]	Road Inj [0.6]	Dermatitis [0.9]	Asthma [0.96]	PEM [3.83]	Drown [0.35]	F Body [0.81]
Tropical Latin America	Congenital [0.41]	Neonatal [0.84]	LRI [0.38]	Asthma [1.48]	Diarrhea [0.81]	Dermatitis [0.77]	Road Inj [0.4]	Vit A [1.1]	Drown [0.33]	Urticaria [0.95]
Brazil	Congenital [0.43]	Neonatal [0.85]	LRI [0.42]	Asthma [1.5]	Diarrhea [0.84]	Dermatitis [0.75]	Road Inj [0.43]	Vit A [1.13]	Drown [0.36]	Urticaria [0.95]
Acre	LRI [0.33]	Congenital [0.39]	Neonatal [0.85]	Diarrhea [0.55]	Asthma [1.17]	Iron [1.37]	Drown [0.35]	Dermatitis [0.83]	Road Inj [0.34]	Vit A [0.84]
Alagoas	LRI [0.18]	Diarrhea [0.37]	Congenital [0.3]	Neonatal [0.73]	Asthma [0.92]	Road Inj [0.33]	Vit A [0.66]	Dermatitis [0.71]	PEM [0.55]	Drown [0.19]
Amapa	LRI [0.76]	Congenital [0.46]	Drown [0.9]	Neonatal [0.89]	Asthma [1.4]	Diarrhea [0.74]	Dermatitis [0.76]	Road Inj [0.46]	Vit A [1.04]	Iron [1.29]
Amazonas	LRI [0.46]	Congenital [0.45]	Diarrhea [1.05]	Drown [0.69]	Neonatal [0.75]	Asthma [1.3]	Dermatitis [0.79]	Vit A [0.96]	Road Inj [0.36]	PEM [1.88]
Bahia	Neonatal [0.78]	Congenital [0.27]	Diarrhea [0.39]	Asthma [1.08]	LRI [0.14]	Dermatitis [1.09]	Vit A [1.09]	Drown [0.23]	Road Inj [0.24]	Urticaria [0.91]
Ceara	Neonatal [0.7]	Asthma [1.09]	Congenital [0.21]	Diarrhea [0.32]	Dermatitis [0.83]	Vit A [0.92]	LRI [0.09]	Iron [0.68]	Leish [31.01]	Urticaria [0.91]
Distrito Federal	Congenital [0.81]	Neonatal [1.01]	Asthma [2.06]	Dermatitis [0.68]	LRI [1.11]	Road Inj [0.87]	Diarrhea [1.26]	Urticaria [1.18]	Drown [0.5]	Vit A [1.63]
Espirito Santo	Congenital [0.52]	Neonatal [0.84]	Asthma [1.76]	LRI [0.36]	Dermatitis [0.75]	Diarrhea [0.74]	Road Inj [0.51]	Drown [0.43]	Vit A [1.15]	Iron [1.18]
Goias	Congenital [0.42]	Neonatal [0.75]	Asthma [1.47]	LRI [0.29]	Road Inj [0.5]	Dermatitis [0.77]	Diarrhea [0.57]	Vit A [0.99]	Drown [0.24]	Urticaria [0.94]
Maranhao	Congenital [0.28]	LRI [0.11]	Diarrhea [0.16]	Neonatal [0.74]	Vit A [0.95]	Asthma [0.74]	Road Inj [0.31]	Dermatitis [0.86]	Drown [0.17]	Leish [9.0]
Mato Grosso	LRI [0.62]	Congenital [0.49]	Neonatal [0.82]	Asthma [1.59]	Diarrhea [0.95]	Road Inj [0.71]	Drown [0.54]	Dermatitis [0.76]	PEM [3.27]	Vit A [0.89]
Mato Grosso do Sul	Congenital [0.49]	LRI [0.46]	Neonatal [0.88]	Diarrhea [0.91]	Asthma [1.44]	Leish [155.04]	Road Inj [0.56]	Dermatitis [0.77]	Vit A [1.3]	Drown [0.33]
Minas Gerais	Congenital [0.49]	Neonatal [0.9]	Asthma [1.59]	LRI [0.38]	Diarrhea [0.73]	Road Inj [0.47]	Dermatitis [0.66]	Drown [0.35]	Vit A [1.01]	Leukemia [0.56]
Para	LRI [0.36]	Congenital [0.37]	Diarrhea [0.54]	Neonatal [0.79]	Drown [0.49]	Asthma [1.11]	Road Inj [0.46]	Iron [1.02]	Vit A [0.92]	Dermatitis [0.85]
Paraiba	Congenital [0.31]	LRI [0.17]	Neonatal [0.69]	Diarrhea [0.34]	Asthma [0.99]	Dermatitis [0.85]	Vit A [0.72]	Road Inj [0.29]	Drown [0.17]	Iron [0.45]
Parana	Congenital [0.55]	Neonatal [0.87]	Asthma [1.76]	Road Inj [0.64]	LRI [0.33]	Diarrhea [0.79]	Dermatitis [0.67]	Vit A [1.22]	Drown [0.35]	Epilepsy [0.89]
Pernambuco	Congenital [0.27]	Neonatal [0.72]	Asthma [1.15]	Diarrhea [0.37]	LRI [0.12]	Dermatitis [0.81]	Vit A [0.81]	Urticaria [0.91]	Drown [0.15]	Road Inj [0.19]
Piaui	Congenital [0.29]	Neonatal [0.76]	Diarrhea [0.24]	LRI [0.11]	Asthma [0.93]	Dermatitis [0.86]	Leish [24.68]	Road Inj [0.25]	Vit A [0.47]	Drown [0.13]
Rio de Janeiro	Neonatal [1.08]	Congenital [0.53]	LRI [0.86]	Asthma [1.67]	Dermatitis [0.73]	Diarrhea [0.83]	F Body [1.04]	Road Inj [0.44]	Vit A [1.21]	Drown [0.4]
Rio Grande do Norte	Neonatal [0.66]	Congenital [0.25]	Diarrhea [0.46]	Asthma [1.11]	Vit A [1.22]	LRI [0.15]	Dermatitis [0.82]	Urticaria [0.91]	Road Inj [0.2]	Drown [0.13]
Rio Grande do Sul	Congenital [0.64]	Neonatal [0.89]	Asthma [1.93]	Dermatitis [0.95]	LRI [0.42]	Epilepsy [1.42]	Diarrhea [0.65]	Road Inj [0.43]	Drown [0.39]	Vit A [0.99]
Rondonia	Congenital [0.39]	Neonatal [0.84]	LRI [0.27]	Asthma [1.23]	Diarrhea [0.47]	Dermatitis [0.81]	Road Inj [0.4]	Drown [0.32]	Vit A [0.98]	Urticaria [0.92]
Roraima	LRI [0.68]	Congenital [0.49]	Neonatal [0.92]	Diarrhea [0.97]	Road Inj [0.7]	Drown [0.6]	Asthma [1.31]	Dermatitis [0.78]	PEM [3.1]	Vit A [0.9]
Santa Catarina	Congenital [0.54]	Asthma [1.94]	Neonatal [0.82]	LRI [0.52]	Road Inj [0.78]	Dermatitis [0.73]	Diarrhea [0.76]	Drown [0.48]	Vit A [1.29]	Leukemia [0.67]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Sao Paulo	Congenital [0.51]	Neonatal [0.95]	Asthma [1.84]	LRI [0.71]	Dermatitis [0.63]	Diarrhea [0.77]	Road Inj [0.44]	Drown [0.4]	Urticaria [1.04]	Epilepsy [0.89]
Sergipe	LRI [0.37]	Congenital [0.41]	Neonatal [0.92]	Diarrhea [0.7]	Asthma [1.31]	Road Inj [0.61]	Drown [0.44]	Vit A [1.21]	Dermatitis [0.68]	PEM [1.53]
Tocantins	Leish [132.03]	Neonatal [0.82]	Congenital [0.29]	Asthma [1.16]	LRI [0.18]	Diarrhea [0.44]	Vit A [1.26]	Road Inj [0.42]	Dermatitis [0.82]	Iron [1.04]
Paraguay	HIV [15.02]	Asthma [1.42]	Diarrhea [0.65]	Neonatal [0.6]	Dermatitis [1.04]	Vit A [0.84]	Congenital [0.13]	Iron [0.86]	Urticaria [0.88]	Skin Viral [0.83]
North Africa and Middle East	Diarrhea [2.83]	Congenital [0.97]	LRI [0.78]	Conflict Terror [1172.11]	Road Inj [1.31]	Neonatal [1.11]	Whooping [8.46]	Iron [2.44]	Measles [14.2]	Asthma [1.08]
Afghanistan	LRI [0.22]	Measles [0.24]	Diarrhea [0.12]	Congenital [0.5]	Whooping [0.64]	Meningitis [0.37]	Drown [0.33]	Falls [2.81]	Neonatal [1.06]	Road Inj [0.34]
Algeria	Congenital [1.04]	Neonatal [1.11]	Road Inj [1.23]	Diarrhea [1.14]	Asthma [1.2]	LRI [0.39]	Dermatitis [0.64]	Drown [0.36]	Epilepsy [1.09]	Falls [1.17]
Bahrain	Congenital [0.65]	Neonatal [1.08]	Asthma [1.14]	Road Inj [0.67]	Diarrhea [1.05]	Dermatitis [0.72]	Epilepsy [1.08]	Endocrine [1.04]	Urticaria [1.05]	LRI [0.18]
Egypt	LRI [0.72]	Diarrhea [1.54]	Congenital [0.6]	Road Inj [1.29]	Neonatal [0.95]	Asthma [1.32]	Iron [1.03]	Encepha [0.9]	Dermatitis [0.57]	Cirrhosis [1.61]
Iran	Congenital [0.9]	Road Inj [1.66]	Neonatal [1.27]	Diarrhea [0.93]	LRI [0.34]	Asthma [0.83]	Dermatitis [0.51]	Epilepsy [1.21]	Fire [0.83]	Iron [1.61]
Iraq	Conflict Terror [3196.23]	Congenital [0.67]	Neonatal [1.14]	LRI [0.24]	Iron [1.33]	Road Inj [0.47]	Diarrhea [0.31]	Asthma [0.81]	Whooping [1.96]	Meningitis [0.26]
Jordan	Congenital [1.1]	Neonatal [1.52]	Road Inj [1.46]	LRI [0.55]	Asthma [1.34]	Diarrhea [1.07]	Dermatitis [0.64]	Vit A [1.17]	Iron [1.75]	Drown [0.37]
Kuwait	Congenital [0.91]	Neonatal [1.22]	Asthma [1.53]	Diarrhea [1.7]	Road Inj [0.95]	Dermatitis [0.61]	LRI [0.83]	Urticaria [1.2]	Epilepsy [1.14]	Skin Viral [0.8]
Lebanon	Neonatal [1.01]	Asthma [1.52]	Congenital [0.37]	Diarrhea [1.5]	Dermatitis [0.73]	Conflict Terror [569.26]	HIV [6.35]	Urticaria [1.08]	Epilepsy [0.87]	Iron [1.59]
Libya	Congenital [1.77]	Conflict Terror [3643.11]	Neonatal [1.27]	Road Inj [1.83]	Diarrhea [2.49]	Oth Cardio [20.47]	LRI [0.99]	Whooping [32.0]	Measles [127.66]	Asthma [1.28]
Morocco	Congenital [0.67]	Diarrhea [0.66]	Neonatal [0.99]	LRI [0.13]	Road Inj [0.48]	Meningitis [0.29]	Iron [0.93]	Dermatitis [0.78]	HIV [1.86]	Asthma [0.65]
Palestine	Congenital [0.51]	Neonatal [1.37]	Road Inj [0.53]	Diarrhea [0.16]	Asthma [0.71]	LRI [0.07]	Dermatitis [0.77]	Vit A [0.53]	Falls [0.96]	Epilepsy [0.73]
Oman	Road Inj [3.05]	Neonatal [1.18]	Congenital [0.64]	Diarrhea [1.54]	Drown [0.96]	Iron [4.92]	Asthma [1.05]	Dermatitis [0.57]	Oth Cardio [9.51]	LRI [0.51]
Qatar	Congenital [0.71]	Neonatal [1.02]	Road Inj [1.1]	Dermatitis [0.69]	Asthma [1.06]	Diarrhea [0.98]	Urticaria [1.16]	Epilepsy [1.07]	Drown [0.39]	Skin Viral [0.8]
Saudi Arabia	Congenital [1.04]	Neonatal [1.01]	Conflict Terror [1299.5]	Diarrhea [1.84]	Dermatitis [0.69]	Road Inj [0.83]	Asthma [0.94]	Urticaria [1.19]	Epilepsy [1.24]	Drown [0.56]
Sudan	Diarrhea [1.16]	Congenital [1.44]	LRI [0.37]	Road Inj [2.02]	Malaria [71.74]	Neonatal [1.07]	Drown [0.45]	Iron [1.29]	Whooping [0.8]	PEM [0.41]
Syria	Conflict Terror [12418.82]	Congenital [0.59]	Whooping [10.66]	LRI [0.39]	Neonatal [0.95]	PEM [2.99]	Asthma [1.08]	Measles [7.56]	Iron [1.37]	Diarrhea [0.34]
Tunisia	Congenital [0.52]	Neonatal [1.0]	Road Inj [0.62]	Diarrhea [0.8]	Mech [2.89]	Dermatitis [0.72]	Asthma [0.87]	HIV [3.06]	Iron [1.31]	LRI [0.16]
Turkey	Congenital [1.3]	Neonatal [1.14]	Road Inj [0.91]	LRI [0.62]	Endocrine [2.34]	Epilepsy [2.16]	Diarrhea [1.19]	Asthma [1.07]	Dermatitis [0.58]	Conflict Terror [473.99]
UAE	Congenital [2.05]	Road Inj [2.92]	Neonatal [1.12]	Asthma [1.77]	Diarrhea [2.15]	Dermatitis [0.68]	Epilepsy [1.86]	Drown [0.87]	PEM [47.26]	Other MN [1.85]
Yemen	Diarrhea [0.67]	Conflict Terror [754.88]	Iron [3.88]	Road Inj [0.95]	Congenital [0.41]	LRI [0.13]	Whooping [0.65]	Vit A [1.27]	Neonatal [1.05]	PEM [0.22]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
South Asia	Diarrhea [0.89]	LRI [0.44]	Drown [0.69]	Typh + Paratyph [49.05]	Iron [1.94]	Neonatal [1.12]	PEM [1.33]	Congenital [0.33]	Malaria [210.94]	Measles [2.32]
Bangladesh	Drown [1.55]	LRI [0.27]	Typh + Paratyph [22.19]	PEM [0.47]	Diarrhea [0.13]	Neonatal [1.0]	Congenital [0.25]	Whooping [0.55]	Iron [0.96]	Vit A [0.46]
Bhutan	Iron [4.45]	LRI [0.25]	Congenital [0.38]	Neonatal [1.05]	HIV [3.34]	Vit A [1.33]	Encepha [1.24]	Diarrhea [0.26]	Measles [2.76]	Malaria [262.96]
India	Diarrhea [0.99]	LRI [0.45]	Malaria [396.97]	Typh + Paratyph [64.94]	PEM [1.77]	Measles [3.92]	Iron [2.09]	Neonatal [1.12]	Congenital [0.31]	Drown [0.51]
Andhra Pradesh	Iron [2.01]	Neonatal [1.13]	PEM [1.06]	Vit A [1.31]	Diarrhea [0.23]	Typh + Paratyph [31.82]	Measles [1.49]	Congenital [0.18]	LRI [0.07]	Encepha [0.74]
Arunachal Pradesh	Diarrhea [0.76]	LRI [0.33]	Malaria [626.67]	Neonatal [1.14]	Measles [4.1]	PEM [1.63]	Iron [1.77]	Congenital [0.25]	Drown [0.4]	Typh + Paratyph [41.88]
Assam	Diarrhea [1.57]	LRI [0.75]	Malaria [576.55]	Drown [1.48]	Hep [10.74]	Measles [3.42]	Congenital [0.49]	PEM [1.45]	Neonatal [1.13]	Typh + Paratyph [40.11]
Bihar	Diarrhea [0.63]	LRI [0.43]	Measles [0.57]	Malaria [13.24]	Drown [0.49]	Neonatal [1.06]	PEM [0.36]	Iron [1.21]	Congenital [0.23]	Encepha [1.67]
Chhattisgarh	LRI [0.29]	Diarrhea [0.4]	Malaria [183.41]	Typh + Paratyph [36.58]	PEM [1.12]	Measles [1.87]	Neonatal [1.09]	Drown [0.41]	Congenital [0.23]	Vit A [0.91]
Delhi	LRI [1.94]	Iron [13.69]	Diarrhea [3.82]	Typh + Paratyph [1960.66]	Neonatal [1.31]	Congenital [0.58]	PEM [31.17]	Vit A [3.77]	Meningitis [1.07]	Measles [47.64]
Goa	LRI [1.97]	Neonatal [1.59]	Congenital [0.7]	Encepha [8.58]	Drown [1.5]	PEM [44.38]	Iron [7.18]	Diarrhea [2.11]	Measles [118.49]	Vit A [2.4]
Gujarat	LRI [0.38]	Iron [3.13]	Malaria [894.27]	Neonatal [1.17]	PEM [3.22]	Diarrhea [0.67]	Congenital [0.4]	Measles [6.48]	Typh + Paratyph [87.78]	Vit A [1.59]
Haryana	Iron [5.03]	LRI [0.39]	Typh + Paratyph [199.45]	Diarrhea [0.97]	Neonatal [1.18]	Vit A [2.03]	PEM [2.81]	Congenital [0.3]	Measles [8.06]	Malaria [504.32]
Himachal Pradesh	LRI [0.51]	Iron [4.54]	Neonatal [1.31]	Congenital [0.41]	Diarrhea [1.05]	Typh + Paratyph [248.12]	Vit A [2.12]	Measles [9.93]	Falls [1.47]	PEM [2.52]
Jammu & Kashmir	Iron [2.98]	Neonatal [1.13]	LRI [0.25]	Vit A [1.7]	Congenital [0.27]	Diarrhea [0.31]	Measles [4.15]	Typh + Paratyph [44.94]	Drown [0.23]	ID [7.1]
Jharkhand	Diarrhea [0.67]	LRI [0.35]	Drown [0.72]	Malaria [81.48]	PEM [0.87]	Measles [1.13]	Iron [1.71]	Congenital [0.35]	Neonatal [1.1]	Typh + Paratyph [13.96]
Karnataka	Congenital [0.49]	Neonatal [1.3]	Iron [2.26]	PEM [2.36]	Measles [5.88]	LRI [0.19]	Diarrhea [0.39]	Drown [0.45]	Vit A [1.38]	Encepha [1.2]
Kerala	Neonatal [1.58]	PEM [7.85]	Congenital [0.3]	Iron [2.36]	Measles [17.54]	Vit A [1.39]	Dermatitis [0.43]	Urticaria [0.96]	LRI [0.11]	Encepha [0.92]
Madhya Pradesh	LRI [0.36]	Diarrhea [0.33]	Typh + Paratyph [33.02]	Measles [1.46]	PEM [0.95]	Malaria [72.66]	Iron [1.82]	Drown [0.55]	Neonatal [1.01]	Vit A [1.21]
Maharashtra	Neonatal [1.27]	PEM [6.4]	LRI [0.4]	Iron [3.26]	Congenital [0.38]	Diarrhea [0.72]	Measles [12.0]	Typh + Paratyph [149.29]	Vit A [1.57]	Drown [0.48]
Manipur	LRI [0.64]	Diarrhea [1.42]	Drown [1.06]	Typh + Paratyph [165.54]	Congenital [0.52]	Neonatal [1.29]	Malaria [819.45]	Measles [7.19]	Whooping [3.95]	Road Inj [0.47]
Meghalaya	Malaria [2957.46]	LRI [0.89]	Diarrhea [1.33]	Congenital [0.65]	Typh + Paratyph [129.07]	Neonatal [1.25]	Measles [5.09]	Meningitis [0.55]	Drown [0.47]	Whooping [2.25]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Mizoram	LRI [1.58]	Malaria [4504.71]	Typh + Paratyph [430.03]	Congenital [0.55]	Neonatal [1.31]	Diarrhea [0.96]	Drown [0.66]	PEM [3.59]	Meningitis [0.62]	Whooping [5.08]
Nagaland	LRI [1.97]	Malaria [6787.94]	Drown [1.95]	Typh + Paratyph [480.24]	Diarrhea [1.82]	Neonatal [1.45]	Hep [21.23]	Whooping [12.94]	Measles [24.75]	Congenital [0.46]
Odisha	Malaria [813.6]	Diarrhea [0.81]	LRI [0.36]	Drown [0.74]	PEM [1.35]	Typh + Paratyph [41.25]	Neonatal [1.1]	Congenital [0.3]	Hep [5.54]	Encepha [1.23]
Punjab	Diarrhea [1.69]	LRI [0.61]	Typh + Paratyph [310.53]	Congenital [0.54]	Neonatal [1.24]	Iron [3.6]	Vit A [1.78]	Measles [10.25]	PEM [3.15]	Drown [0.35]
Rajasthan	LRI [0.37]	Diarrhea [0.33]	Typh + Paratyph [35.08]	Measles [1.35]	PEM [0.82]	Malaria [69.29]	Iron [1.62]	Neonatal [0.96]	Drown [0.36]	Vit A [1.13]
Sikkim	LRI [0.82]	Measles [27.57]	Neonatal [1.33]	Diarrhea [1.12]	Typh + Paratyph [231.29]	Congenital [0.35]	Iron [2.75]	Vit A [1.57]	Encepha [1.69]	Drown [0.28]
Tamil Nadu	Neonatal [1.19]	PEM [4.51]	Iron [2.4]	Vit A [1.55]	Congenital [0.23]	Typh + Paratyph [94.52]	Diarrhea [0.34]	Measles [5.77]	LRI [0.11]	Encepha [0.75]
Telangana	Iron [2.96]	Neonatal [1.18]	PEM [2.54]	Vit A [1.61]	Typh + Paratyph [61.69]	Diarrhea [0.3]	Measles [3.09]	Congenital [0.17]	LRI [0.07]	Encepha [0.66]
Tripura	LRI [0.32]	Measles [4.71]	Diarrhea [0.49]	Neonatal [1.15]	Malaria [332.3]	Congenital [0.33]	PEM [1.3]	Whooping [1.84]	Drown [0.38]	Iron [1.03]
Uttar Pradesh	Diarrhea [0.78]	LRI [0.35]	Typh + Paratyph [32.41]	Malaria [82.27]	Iron [1.88]	PEM [0.85]	Measles [1.26]	Neonatal [0.98]	Congenital [0.27]	Meningitis [0.29]
Uttarakhand	Typh + Paratyph [256.62]	LRI [0.45]	Iron [4.04]	Neonatal [1.27]	Diarrhea [0.8]	Congenital [0.32]	Vit A [1.82]	PEM [2.27]	Malaria [504.77]	Drown [0.38]
W Bengal	Measles [3.98]	LRI [0.19]	Drown [0.62]	Neonatal [1.06]	Congenital [0.3]	Iron [1.43]	Diarrhea [0.24]	Vit A [1.14]	PEM [0.84]	Malaria [109.15]
UTs other than Delhi	LRI [0.77]	Neonatal [1.44]	Iron [5.65]	Congenital [0.5]	Diarrhea [1.46]	Drown [0.85]	Vit A [2.3]	PEM [7.11]	Malaria [3247.36]	Encepha [2.57]
Nepal	LRI [0.16]	Neonatal [1.05]	Diarrhea [0.1]	Whooping [0.41]	Typh + Paratyph [6.09]	HIV [1.51]	Iron [0.67]	Drown [0.2]	Malaria [3.73]	Encepha [0.8]
Pakistan	Diarrhea [0.94]	LRI [0.48]	Meningitis [0.75]	Drown [0.83]	Congenital [0.42]	Iron [1.95]	Neonatal [1.17]	Whooping [1.03]	Road Inj [0.62]	PEM [0.58]
Southeast Asia, East Asia, and Oceania	LRI [0.87]	Congenital [0.59]	Drown [1.36]	Diarrhea [1.81]	Neonatal [1.0]	Road Inj [0.7]	Asthma [1.19]	Measles [26.96]	Dermatitis [0.67]	Leukemia [0.89]
East Asia	Neonatal [1.26]	Drown [1.49]	Congenital [0.56]	Road Inj [1.01]	LRI [0.51]	Diarrhea [0.84]	Dermatitis [0.55]	Leukemia [0.95]	Falls [1.39]	Asthma [0.71]
China	Neonatal [1.27]	Drown [1.43]	Congenital [0.54]	Road Inj [0.99]	LRI [0.46]	Diarrhea [0.76]	Dermatitis [0.55]	Leukemia [0.93]	Falls [1.38]	Asthma [0.68]
N Korea	Drown [1.01]	LRI [0.3]	Congenital [0.55]	Diarrhea [0.41]	Road Inj [0.63]	Neonatal [0.69]	Whooping [1.15]	HIV [1.58]	Leukemia [0.84]	Vit A [0.64]
Taiwan	Asthma [2.58]	Congenital [0.82]	Diarrhea [2.64]	Neonatal [0.64]	Dermatitis [0.62]	Road Inj [0.9]	LRI [1.84]	Skin Viral [1.04]	Urticaria [1.24]	Drown [0.95]
Oceania	Diarrhea [0.86]	PEM [1.77]	LRI [0.33]	Congenital [0.77]	Drown [0.89]	Whooping [1.11]	Asthma [1.88]	Measles [0.93]	Meningitis [0.42]	Iron [1.23]
Am Samoa	Asthma [2.32]	LRI [0.71]	Congenital [0.45]	Diarrhea [1.61]	Measles [58.23]	Neonatal [0.72]	Dermatitis [0.91]	Drown [0.74]	Vit A [1.63]	PEM [9.59]
Micronesia	LRI [0.31]	Whooping [5.11]	Congenital [0.46]	HIV [4.54]	Asthma [1.47]	Diarrhea [0.4]	Neonatal [0.77]	Drown [0.41]	PEM [1.32]	Dermatitis [1.05]
Fiji	LRI [1.19]	Congenital [1.15]	Diarrhea [2.81]	Drown [1.32]	Asthma [2.09]	Measles [25.33]	Neonatal [0.87]	PEM [5.02]	Iron [2.37]	F Body [1.31]
Guam	Diarrhea [4.44]	Congenital [0.87]	Asthma [2.63]	LRI [2.49]	Neonatal [0.85]	Dermatitis [0.85]	Drown [1.11]	Measles [203.81]	Road Inj [0.86]	Vit A [2.28]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Kiribati	PEM [1.34]	Measles [1.26]	Congenital [0.91]	Diarrhea [0.31]	LRI [0.17]	Whooping [0.89]	Meningitis [0.41]	Neonatal [1.46]	Asthma [1.34]	Drown [0.25]
Marshall	LRI [0.37]	Congenital [0.59]	Whooping [3.95]	Measles [5.34]	Iron [1.54]	PEM [1.27]	Diarrhea [0.3]	Asthma [1.28]	Drown [0.44]	Neonatal [0.74]
N Mariana	Asthma [2.6]	Congenital [0.67]	Diarrhea [2.86]	LRI [1.49]	Drown [1.61]	Neonatal [0.86]	Dermatitis [0.87]	Measles [112.46]	Road Inj [0.68]	PEM [28.78]
PNG	Diarrhea [0.61]	PEM [1.17]	LRI [0.25]	Congenital [0.7]	Drown [0.83]	Whooping [0.74]	Asthma [1.79]	Measles [0.45]	Meningitis [0.38]	Iron [1.12]
Samoa	Measles [10.66]	LRI [0.27]	Congenital [0.4]	Whooping [3.66]	Asthma [1.39]	Diarrhea [0.38]	Neonatal [0.74]	Vit A [1.11]	Drown [0.35]	Dermatitis [1.05]
Solomon	LRI [0.24]	Congenital [0.47]	Diarrhea [0.17]	PEM [0.36]	Whooping [0.54]	Drown [0.37]	Neonatal [0.8]	Iron [0.87]	Asthma [0.86]	STI [5.54]
Tonga	LRI [0.59]	Asthma [2.22]	Congenital [0.45]	Drown [0.87]	Meningitis [0.93]	Measles [16.69]	Neonatal [0.8]	Diarrhea [0.72]	PEM [3.96]	Road Inj [0.69]
Vanuatu	LRI [0.36]	Congenital [0.55]	Diarrhea [0.3]	Whooping [1.2]	PEM [0.71]	Drown [0.46]	Asthma [1.2]	Neonatal [0.81]	Iron [0.86]	Road Inj [0.39]
Southeast Asia	LRI [0.91]	Diarrhea [1.97]	Congenital [0.58]	Drown [1.08]	Measles [20.81]	Asthma [1.67]	Dengue [77.67]	Neonatal [0.64]	Meningitis [0.59]	PEM [3.93]
Cambodia	LRI [0.41]	Drown [0.8]	Congenital [0.34]	Iron [1.26]	Diarrhea [0.15]	Mech [2.59]	Malaria [25.66]	Neonatal [0.56]	Dermatitis [1.05]	Asthma [0.63]
Indonesia	Diarrhea [2.76]	Measles [59.69]	LRI [0.58]	Dengue [153.44]	Congenital [0.35]	Drown [0.74]	PEM [6.86]	Asthma [1.32]	Neonatal [0.63]	HIV [4.65]
Laos	LRI [0.82]	Diarrhea [1.16]	Drown [0.91]	Congenital [0.57]	Whooping [1.49]	Asthma [1.44]	Road Inj [0.69]	HIV [3.13]	Meningitis [0.35]	Measles [1.23]
Malaysia	HIV [50.94]	Neonatal [0.73]	Dermatitis [0.93]	Diarrhea [1.92]	Congenital [0.32]	Asthma [1.12]	PEM [28.16]	Dengue [821.44]	Urticaria [1.02]	Skin Viral [0.94]
Maldives	Congenital [0.38]	Dengue [86.15]	Neonatal [0.56]	Dermatitis [0.93]	Asthma [1.13]	Drown [0.52]	Diarrhea [0.44]	LRI [0.14]	PEM [2.74]	Vit A [0.81]
Mauritius	Congenital [0.63]	Asthma [1.84]	Diarrhea [1.76]	Neonatal [0.73]	Dermatitis [0.87]	Iron [4.14]	LRI [0.55]	PEM [15.17]	Epilepsy [1.23]	Leukemia [0.76]
Myanmar	LRI [0.57]	Drown [1.5]	Congenital [0.83]	Diarrhea [0.76]	Whooping [2.77]	Meningitis [0.47]	Asthma [1.39]	Neonatal [0.66]	Typh + Paratyph [38.13]	Malaria [202.51]
Philippines	LRI [1.51]	Congenital [0.93]	Diarrhea [1.97]	Asthma [3.13]	Drown [0.94]	Dengue [77.65]	Meningitis [0.82]	Neonatal [0.73]	PEM [3.29]	Leukemia [1.35]
Sri Lanka	Congenital [0.48]	Neonatal [0.64]	Dermatitis [0.9]	Asthma [1.09]	Diarrhea [0.58]	Typh + Paratyph [221.87]	LRI [0.2]	PEM [4.5]	Vit A [0.87]	Epilepsy [0.88]
Seychelles	LRI [0.89]	Congenital [0.47]	Drown [0.91]	Neonatal [0.68]	Dermatitis [0.9]	Asthma [1.16]	Diarrhea [0.86]	Meningitis [0.54]	Leukemia [0.59]	Urticaria [0.91]
Thailand	Drown [1.27]	Congenital [0.5]	LRI [0.47]	Dermatitis [0.98]	Neonatal [0.58]	Road Inj [0.66]	Asthma [1.16]	HIV [5.74]	Typh + Paratyph [328.16]	Diarrhea [0.74]
Timor-Leste	LRI [0.58]	Diarrhea [0.53]	HIV [7.14]	Congenital [0.57]	Drown [0.63]	Iron [1.92]	PEM [0.73]	Asthma [1.11]	Whooping [0.82]	Vit A [0.94]
Vietnam	Drown [1.33]	Congenital [0.43]	LRI [0.25]	Neonatal [0.49]	Whooping [3.18]	Dermatitis [0.88]	Asthma [0.76]	Diarrhea [0.3]	Encepha [0.94]	Iron [0.82]
Sub-Saharan Africa	Malaria [225.14]	Diarrhea [1.34]	LRI [0.91]	PEM [1.95]	Meningitis [1.04]	Congenital [0.89]	Measles [1.35]	Whooping [1.29]	HIV [3.84]	iNTS [6.66]
Central Sub-Saharan Africa	Malaria [421.1]	LRI [0.88]	Diarrhea [1.18]	PEM [2.34]	Congenital [1.36]	Road Inj [2.3]	Drown [1.25]	Whooping [1.94]	TB [2.74]	Measles [1.18]
Angola	Diarrhea [1.49]	Malaria [152.63]	LRI [0.6]	PEM [2.34]	Measles [2.28]	Congenital [0.99]	Road Inj [1.78]	Drown [1.08]	Meningitis [0.51]	Iron [2.04]
C African Rep	Diarrhea [1.57]	Malaria [11.68]	LRI [0.84]	PEM [1.48]	Road Inj [4.59]	Whooping [1.93]	Congenital [1.18]	TB [2.26]	Measles [0.55]	Drown [1.36]
Congo	Malaria [6093.11]	Diarrhea [3.73]	HIV [25.2]	LRI [0.97]	Congenital [1.34]	PEM [6.15]	Road Inj [2.13]	Drown [1.36]	Measles [12.59]	Whooping [5.1]
Congo DR	Malaria [29.76]	LRI [0.6]	Diarrhea [0.43]	Congenital [1.15]	PEM [0.93]	Road Inj [1.82]	Whooping [1.15]	Drown [0.99]	TB [1.43]	Meningitis [0.41]
Eq Guinea	Malaria [27791.16]	HIV [21.75]	Diarrhea [2.51]	Measles [42.63]	Congenital [0.96]	LRI [0.68]	Road Inj [1.52]	Drown [1.14]	PEM [6.48]	Neonatal [0.94]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Gabon	Malaria [38826.8]	Diarrhea [3.4]	Congenital [1.13]	LRI [1.03]	Road Inj [2.25]	Measles [50.37]	Drown [1.52]	Neonatal [1.35]	PEM [11.18]	Iron [4.2]
Eastern Sub-Saharan Africa	Diarrhea [0.54]	LRI [0.4]	Malaria [10.27]	PEM [0.95]	Congenital [0.73]	Measles [0.51]	Whooping [0.84]	HIV [3.65]	Meningitis [0.42]	TB [0.74]
Burundi	Malaria [4.64]	Diarrhea [0.38]	LRI [0.35]	PEM [0.84]	Congenital [1.01]	Measles [0.33]	TB [0.75]	Meningitis [0.34]	Drown [0.32]	Whooping [0.3]
Comoros	Diarrhea [0.39]	LRI [0.23]	Congenital [0.51]	PEM [0.63]	Whooping [0.88]	Measles [0.5]	Neonatal [1.11]	Meningitis [0.21]	Vit A [0.72]	Iron [0.59]
Djibouti	LRI [0.5]	Diarrhea [0.63]	PEM [2.13]	Congenital [0.8]	Whooping [1.83]	Neonatal [1.11]	Meningitis [0.37]	Iron [1.28]	TB [1.1]	Drown [0.28]
Eritrea	Diarrhea [1.0]	LRI [0.69]	PEM [1.83]	Congenital [1.02]	Meningitis [0.58]	TB [1.66]	Oth Un Inf [3.44]	Neonatal [1.26]	Drown [0.42]	Iron [1.15]
Ethiopia	Diarrhea [0.42]	LRI [0.26]	PEM [0.5]	Whooping [0.82]	Measles [0.26]	Congenital [0.35]	Meningitis [0.31]	Iron [0.9]	TB [0.39]	Neonatal [0.94]
Kenya	Diarrhea [1.32]	LRI [0.5]	PEM [1.75]	Congenital [0.56]	iNTS [10.78]	HIV [4.87]	Malaria [100.85]	Neonatal [1.14]	Whooping [1.17]	Meningitis [0.39]
Baringo	Diarrhea [0.71]	LRI [0.26]	PEM [0.76]	iNTS [6.47]	Congenital [0.36]	Leish [18.44]	Neonatal [1.04]	Vit A [1.07]	Measles [0.31]	Meningitis [0.2]
Bomet	Diarrhea [0.42]	HIV [5.84]	Neonatal [1.19]	iNTS [5.6]	LRI [0.09]	Congenital [0.19]	Vit A [0.79]	PEM [0.36]	Dermatitis [1.03]	Iron [0.45]
Bungoma	Diarrhea [1.21]	LRI [0.44]	PEM [1.29]	iNTS [11.22]	Malaria [65.67]	Congenital [0.55]	Whooping [1.29]	Meningitis [0.36]	Neonatal [1.12]	Measles [0.64]
Busia	Diarrhea [0.66]	Malaria [67.8]	LRI [0.25]	iNTS [7.73]	PEM [0.59]	Congenital [0.37]	Whooping [0.7]	Neonatal [1.06]	Meningitis [0.21]	Measles [0.31]
Elgeyo-Marakwet	Diarrhea [0.99]	LRI [0.26]	iNTS [9.33]	PEM [1.06]	Congenital [0.36]	Neonatal [1.2]	Whooping [0.95]	Measles [0.85]	Meningitis [0.21]	Dermatitis [1.03]
Embu	Diarrhea [2.13]	LRI [0.53]	PEM [2.43]	Congenital [0.62]	iNTS [12.59]	Neonatal [1.26]	Meningitis [0.45]	Whooping [1.7]	Measles [1.98]	HIV [2.74]
Garissa	Diarrhea [0.15]	iNTS [2.9]	LRI [0.07]	HIV [1.95]	Neonatal [1.05]	Congenital [0.15]	Measles [0.07]	PEM [0.08]	Vit A [0.57]	Whooping [0.16]
HomaBay	LRI [0.87]	Diarrhea [1.02]	HIV [17.89]	PEM [1.68]	Congenital [1.03]	Malaria [29.57]	iNTS [11.24]	Meningitis [0.7]	TB [1.49]	Whooping [0.67]
Isiolo	LRI [0.35]	Diarrhea [0.28]	PEM [0.6]	Congenital [0.46]	Whooping [0.72]	iNTS [4.37]	Measles [0.27]	Conflict Terror [146.44]	Meningitis [0.27]	Iron [1.08]
Kajiado	Diarrhea [0.92]	LRI [0.31]	iNTS [9.8]	Neonatal [1.3]	Whooping [2.31]	Congenital [0.4]	Iron [2.07]	Vit A [1.93]	PEM [1.27]	Meningitis [0.3]
Kakamega	Diarrhea [1.19]	LRI [0.58]	PEM [1.5]	Malaria [44.11]	Congenital [0.69]	iNTS [8.96]	Meningitis [0.46]	Whooping [0.88]	HIV [2.3]	Neonatal [1.01]
Kericho	Diarrhea [1.3]	LRI [0.39]	iNTS [16.94]	PEM [1.49]	Congenital [0.5]	HIV [4.29]	Neonatal [1.31]	Whooping [1.24]	Meningitis [0.31]	Measles [0.98]
Kiambu	Diarrhea [2.69]	LRI [0.86]	Congenital [0.85]	PEM [5.09]	iNTS [17.82]	Whooping [6.71]	Neonatal [1.4]	Meningitis [0.8]	Measles [6.38]	Other MN [2.3]
Kilifi	Diarrhea [1.32]	LRI [0.4]	PEM [1.26]	Congenital [0.51]	HIV [3.06]	Whooping [0.8]	Malaria [24.15]	Neonatal [1.06]	Meningitis [0.31]	Measles [0.49]
Kirinyaga	Diarrhea [2.98]	LRI [1.1]	Congenital [1.19]	PEM [4.33]	Meningitis [0.9]	iNTS [13.89]	Neonatal [1.33]	Malaria [248.3]	Measles [2.11]	TB [2.2]
Kisii	Diarrhea [1.45]	LRI [0.3]	iNTS [13.66]	PEM [1.3]	Congenital [0.4]	Neonatal [1.07]	Vit A [0.95]	Meningitis [0.22]	Measles [0.9]	Dermatitis [1.03]
Kisumu	LRI [0.84]	HIV [15.01]	iNTS [30.19]	Diarrhea [0.95]	Congenital [1.22]	Malaria [313.76]	PEM [2.58]	Meningitis [0.79]	Whooping [2.29]	TB [2.24]
Kitui	Diarrhea [0.92]	LRI [0.23]	iNTS [8.17]	PEM [0.78]	HIV [3.58]	Congenital [0.33]	Whooping [0.81]	Neonatal [1.18]	Measles [0.43]	Meningitis [0.19]
Kwale	Diarrhea [0.41]	iNTS [7.78]	LRI [0.13]	Malaria [27.03]	Neonatal [1.07]	PEM [0.43]	Congenital [0.24]	HIV [1.62]	Whooping [0.43]	Vit A [0.77]
Laikipia	Diarrhea [1.72]	HIV [10.55]	LRI [0.32]	Neonatal [1.34]	Congenital [0.41]	iNTS [9.87]	PEM [1.74]	Whooping [1.41]	Meningitis [0.28]	Dermatitis [1.02]
Lamu	Diarrhea [0.91]	LRI [0.64]	Conflict Terror [1198.31]	PEM [1.83]	Congenital [0.88]	iNTS [13.17]	Whooping [1.85]	Meningitis [0.61]	Malaria [30.72]	Measles [0.76]
Machakos	Diarrhea [2.46]	LRI [0.43]	iNTS [17.56]	HIV [8.19]	PEM [1.83]	Congenital [0.51]	Neonatal [1.26]	Whooping [1.54]	Measles [1.65]	Meningitis [0.37]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Makueni	HIV [4.89]	Diarrhea [0.27]	Neonatal [1.11]	iNTS [2.85]	Congenital [0.15]	Dermatitis [1.04]	LRI [0.04]	Vit A [0.44]	Typh + Paratyph [4.15]	Whooping [0.22]
Mandera	Diarrhea [0.31]	LRI [0.27]	PEM [0.36]	Measles [0.12]	iNTS [2.16]	HIV [2.54]	Congenital [0.25]	Meningitis [0.19]	Vit A [0.91]	Whooping [0.22]
Marsabit	Diarrhea [0.33]	LRI [0.17]	PEM [0.4]	HIV [3.83]	iNTS [2.69]	Measles [0.15]	Congenital [0.22]	Neonatal [1.07]	Whooping [0.29]	Meningitis [0.13]
Meru	Diarrhea [2.64]	LRI [0.92]	PEM [3.51]	Congenital [0.99]	HIV [9.61]	iNTS [11.65]	Meningitis [0.72]	Whooping [1.87]	Neonatal [1.29]	Malaria [124.06]
Migori	Diarrhea [1.22]	LRI [0.77]	HIV [13.92]	PEM [1.54]	Malaria [23.53]	Congenital [0.88]	iNTS [8.69]	Meningitis [0.59]	TB [1.19]	Measles [0.39]
Mombasa	Diarrhea [3.01]	LRI [0.91]	iNTS [33.22]	Congenital [0.94]	PEM [5.6]	Whooping [5.16]	Meningitis [0.83]	Neonatal [1.22]	Measles [4.24]	Malaria [395.23]
Murang'a	LRI [0.63]	Congenital [0.93]	Whooping [4.34]	iNTS [15.86]	Meningitis [0.75]	Diarrhea [0.47]	HIV [5.5]	PEM [1.77]	Neonatal [1.31]	Measles [1.95]
Nairobi	LRI [1.23]	Diarrhea [2.97]	Congenital [0.78]	Neonatal [1.42]	PEM [17.08]	iNTS [17.46]	Meningitis [1.13]	Dermatitis [1.15]	Other MN [2.28]	Whooping [10.62]
Nakuru	Diarrhea [1.64]	LRI [0.53]	PEM [2.66]	Congenital [0.62]	Neonatal [1.38]	iNTS [9.22]	Meningitis [0.44]	Whooping [1.57]	Typh + Paratyph [27.56]	Dermatitis [1.02]
Nandi	Diarrhea [0.75]	iNTS [10.87]	LRI [0.19]	Neonatal [1.23]	HIV [3.21]	Congenital [0.3]	PEM [0.71]	Dermatitis [1.03]	Measles [0.56]	Malaria [36.85]
Narok	Diarrhea [0.15]	Neonatal [1.15]	Vit A [1.05]	LRI [0.05]	iNTS [2.03]	Congenital [0.14]	Iron [0.49]	PEM [0.11]	Dermatitis [1.06]	Measles [0.09]
Nyamira	Diarrhea [1.05]	iNTS [11.94]	Neonatal [1.19]	LRI [0.19]	Congenital [0.29]	PEM [1.0]	HIV [2.48]	Dermatitis [1.03]	Typh + Paratyph [17.53]	Meningitis [0.17]
Nyandarua	Diarrhea [1.71]	LRI [0.52]	PEM [2.39]	Whooping [3.26]	Congenital [0.58]	Neonatal [1.35]	iNTS [8.28]	Meningitis [0.45]	Measles [1.45]	Dermatitis [1.02]
Nyeri	LRI [0.85]	Diarrhea [1.69]	Congenital [0.92]	PEM [4.27]	Whooping [6.43]	Meningitis [0.87]	iNTS [12.55]	Neonatal [1.35]	HIV [3.62]	Measles [3.18]
Samburu	Diarrhea [0.2]	HIV [5.18]	LRI [0.07]	PEM [0.15]	iNTS [1.86]	Measles [0.09]	Neonatal [1.06]	Whooping [0.23]	Vit A [0.83]	Congenital [0.13]
Siaya	Malaria [207.06]	Diarrhea [1.1]	LRI [0.59]	Congenital [0.77]	iNTS [9.86]	PEM [1.0]	HIV [5.18]	Meningitis [0.44]	Neonatal [0.88]	Vit A [1.13]
TaitaTaveta	Diarrhea [1.89]	LRI [0.82]	PEM [3.8]	HIV [11.26]	Congenital [0.97]	iNTS [21.21]	Whooping [2.8]	Meningitis [0.73]	Neonatal [1.25]	Malaria [197.48]
TanaRiver	LRI [0.58]	Diarrhea [0.6]	PEM [1.31]	HIV [8.74]	iNTS [8.37]	Congenital [0.67]	Whooping [0.8]	Measles [0.37]	Meningitis [0.45]	TB [0.87]
TharakaNithi	Diarrhea [5.14]	LRI [1.22]	PEM [6.38]	Congenital [1.22]	iNTS [22.6]	Meningitis [0.94]	Whooping [2.64]	Measles [2.88]	Neonatal [1.18]	Malaria [201.94]
TransNzoia	Diarrhea [1.66]	LRI [0.56]	HIV [10.99]	PEM [1.87]	iNTS [11.65]	Congenital [0.6]	Whooping [1.48]	Meningitis [0.45]	Neonatal [1.2]	Malaria [59.27]
Turkana	Diarrhea [0.31]	LRI [0.18]	PEM [0.35]	HIV [4.04]	iNTS [1.81]	Congenital [0.25]	Malaria [0.26]	Measles [0.08]	Meningitis [0.16]	Whooping [0.23]
UasinGishu	Diarrhea [2.1]	LRI [0.42]	Congenital [0.5]	iNTS [10.96]	PEM [1.94]	Neonatal [1.23]	Whooping [1.7]	Dermatitis [1.44]	Meningitis [0.34]	Vit A [0.92]
Vihiga	Diarrhea [0.43]	LRI [0.18]	Malaria [54.98]	Neonatal [1.09]	Congenital [0.3]	PEM [0.52]	iNTS [4.35]	Vit A [1.05]	Typh + Paratyph [7.92]	Meningitis [0.17]
Wajir	Diarrhea [0.13]	Measles [0.1]	iNTS [1.78]	LRI [0.06]	Whooping [0.23]	PEM [0.07]	Neonatal [0.98]	Congenital [0.13]	Vit A [0.63]	Tetanus [1.23]
WestPokot	Diarrhea [0.63]	LRI [0.18]	PEM [0.48]	iNTS [4.57]	Leish [10.23]	Whooping [0.43]	Neonatal [1.1]	Measles [0.19]	Congenital [0.23]	Vit A [0.96]
Madagascar	Diarrhea [0.77]	PEM [1.57]	LRI [0.38]	Measles [0.33]	Congenital [0.55]	Malaria [1.3]	Whooping [0.45]	Meningitis [0.27]	Neonatal [1.24]	Oth Un Inf [2.25]
Malawi	Malaria [5.77]	Diarrhea [0.3]	LRI [0.29]	HIV [9.17]	Congenital [0.81]	PEM [0.61]	Measles [0.38]	Meningitis [0.43]	Whooping [0.61]	TB [0.53]
Mozambique	Malaria [6.78]	HIV [16.11]	Diarrhea [0.22]	Congenital [0.74]	LRI [0.17]	PEM [0.31]	Meningitis [0.25]	TB [0.54]	iNTS [2.11]	Measles [0.12]
Rwanda	LRI [0.41]	Diarrhea [0.43]	Congenital [0.95]	PEM [1.04]	Malaria [14.13]	Meningitis [0.45]	TB [0.76]	Road Inj [0.52]	Neonatal [1.01]	Drown [0.3]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Somalia	Measles [0.61]	Whooping [2.16]	Diarrhea [0.25]	LRI [0.28]	PEM [0.37]	Conflict Terror [51.23]	Meningitis [0.35]	Congenital [0.33]	TB [0.41]	Road Inj [0.43]
S Sudan	Diarrhea [0.68]	LRI [0.71]	PEM [0.77]	Malaria [1.12]	Measles [0.36]	Meningitis [0.71]	Conflict Terror [106.82]	Leish [6.56]	Congenital [0.47]	TB [0.74]
Tanzania	LRI [0.59]	Malaria [27.85]	Congenital [1.44]	PEM [1.09]	Diarrhea [0.26]	Meningitis [0.39]	Whooping [0.66]	TB [1.13]	Drown [0.39]	Neonatal [1.06]
Uganda	Malaria [30.59]	Diarrhea [0.29]	LRI [0.24]	Congenital [0.73]	PEM [0.56]	Meningitis [0.54]	HIV [3.85]	Whooping [0.65]	Measles [0.32]	TB [0.63]
Zambia	Diarrhea [1.14]	HIV [17.17]	LRI [0.66]	Malaria [201.61]	PEM [2.93]	Congenital [1.32]	Meningitis [0.75]	TB [1.97]	Drown [0.5]	Iron [1.35]
Southern Sub-Saharan Africa	Diarrhea [5.74]	LRI [1.45]	PEM [25.43]	HIV [15.85]	TB [15.42]	Congenital [0.46]	Neonatal [1.03]	Measles [24.03]	Road Inj [0.98]	Dermatitis [1.19]
Botswana	Diarrhea [8.77]	LRI [1.27]	PEM [23.06]	Neonatal [1.14]	Congenital [0.36]	Road Inj [0.83]	HIV [6.98]	TB [11.34]	Dermatitis [1.17]	Vit A [1.31]
Lesotho	Diarrhea [2.05]	HIV [14.02]	LRI [0.56]	PEM [2.52]	TB [3.48]	Road Inj [0.71]	Congenital [0.3]	Measles [0.95]	Neonatal [0.82]	Iron [1.15]
Namibia	Diarrhea [5.94]	HIV [28.7]	LRI [1.13]	PEM [12.92]	TB [10.11]	Neonatal [1.04]	Road Inj [0.93]	Congenital [0.39]	Iron [2.52]	Dermatitis [1.24]
S Africa	Diarrhea [6.37]	LRI [1.43]	HIV [22.39]	PEM [22.01]	Road Inj [1.37]	Measles [55.41]	Neonatal [1.13]	Congenital [0.51]	TB [16.34]	Violence [3.83]
Swaziland	Diarrhea [4.02]	LRI [0.71]	HIV [13.28]	PEM [5.81]	TB [5.3]	Road Inj [0.8]	Congenital [0.33]	Neonatal [0.86]	Dermatitis [1.3]	Meningitis [0.33]
Zimbabwe	PEM [3.57]	LRI [0.57]	Diarrhea [0.79]	TB [3.0]	Malaria [45.85]	HIV [2.9]	Whooping [0.75]	Congenital [0.29]	Meningitis [0.32]	Measles [0.49]
Western Sub-Saharan Africa	Malaria [307.59]	Diarrhea [1.8]	LRI [1.28]	Meningitis [1.67]	PEM [2.04]	Measles [1.54]	Congenital [0.84]	iNTS [11.58]	Whooping [1.16]	TB [1.96]
Benin	Malaria [32.59]	Diarrhea [0.69]	LRI [0.53]	PEM [0.91]	Measles [0.6]	Congenital [0.7]	iNTS [7.14]	Meningitis [0.61]	Whooping [0.83]	Road Inj [1.14]
Burkina Faso	Malaria [7.23]	LRI [0.52]	Diarrhea [0.35]	iNTS [7.77]	PEM [0.59]	Meningitis [0.84]	Congenital [0.92]	Hemog [4.46]	Drown [0.55]	Iron [1.82]
Cameroon	Malaria [935.54]	Diarrhea [1.87]	LRI [0.71]	PEM [1.65]	Congenital [0.72]	Meningitis [0.64]	iNTS [8.68]	HIV [3.43]	Whooping [0.95]	Drown [0.42]
Cape Verde	Neonatal [1.45]	LRI [0.21]	Congenital [0.37]	Drown [0.49]	Iron [1.44]	Diarrhea [0.23]	Violence [1.87]	iNTS [4.08]	Dermatitis [0.83]	Epilepsy [1.08]
Chad	Diarrhea [1.17]	LRI [0.73]	Malaria [1.07]	PEM [0.69]	Meningitis [0.74]	Measles [0.19]	Congenital [0.49]	Whooping [0.58]	TB [0.63]	iNTS [2.11]
Cote d'Ivoire	Malaria [67.82]	Diarrhea [0.97]	LRI [0.59]	PEM [1.03]	Congenital [0.77]	iNTS [9.25]	Meningitis [0.54]	HIV [3.66]	Whooping [0.66]	Drown [0.49]
Gambia	Diarrhea [0.52]	LRI [0.38]	Hemog [10.1]	PEM [0.95]	Congenital [0.52]	Meningitis [0.5]	Whooping [0.79]	iNTS [4.86]	Iron [1.77]	Neonatal [1.28]
Ghana	Malaria [2769.22]	Diarrhea [1.55]	LRI [0.54]	PEM [3.2]	Congenital [0.67]	Meningitis [0.77]	Hemog [6.62]	iNTS [9.27]	Neonatal [1.08]	Iron [1.84]
Guinea	Malaria [10.38]	LRI [0.67]	Diarrhea [0.35]	PEM [0.85]	iNTS [6.66]	Meningitis [0.71]	Congenital [0.73]	Whooping [1.03]	Measles [0.32]	TB [0.78]
Guinea-Bissau	Diarrhea [0.76]	Measles [1.21]	LRI [0.36]	Hemog [8.32]	PEM [0.64]	Congenital [0.64]	Meningitis [0.6]	Whooping [0.84]	Malaria [1.54]	Iron [1.35]
Liberia	Malaria [5.47]	Diarrhea [0.42]	Measles [0.73]	LRI [0.26]	Whooping [0.88]	PEM [0.41]	Congenital [0.45]	iNTS [3.66]	Meningitis [0.36]	Hemog [2.65]
Mali	Malaria [4.58]	PEM [1.11]	Diarrhea [0.38]	LRI [0.4]	iNTS [8.54]	Congenital [0.97]	Meningitis [0.76]	Whooping [0.85]	Measles [0.17]	Drown [0.76]
Mauritania	Diarrhea [0.85]	PEM [2.0]	LRI [0.32]	Iron [1.83]	Whooping [1.01]	Congenital [0.33]	Neonatal [1.14]	Malaria [31.54]	Vit A [1.32]	Meningitis [0.28]
Niger	Malaria [1.47]	Diarrhea [0.51]	LRI [0.51]	Meningitis [1.35]	PEM [0.21]	Measles [0.11]	Congenital [0.59]	iNTS [2.46]	Whooping [0.53]	TB [0.36]
Nigeria	Malaria [1941.47]	LRI [2.36]	Diarrhea [3.54]	Meningitis [2.98]	Measles [6.15]	PEM [3.84]	Congenital [0.9]	TB [4.54]	iNTS [14.2]	HIV [7.04]
Sao Tome Principe	Other MN [5.13]	Diarrhea [0.27]	LRI [0.17]	Neonatal [1.28]	Congenital [0.33]	PEM [0.62]	iNTS [5.03]	Whooping [0.86]	Oth NTD [3.49]	Vit A [0.83]
Senegal	Diarrhea [0.57]	LRI [0.3]	Congenital [0.48]	Malaria [3.03]	Meningitis [0.41]	PEM [0.35]	Hemog [3.08]	Iron [1.26]	Whooping [0.41]	Neonatal [1.17]

eFigure 7c. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.5]	(0.5-0.72]	(0.72-0.86]	(0.86-0.97]	(0.97-1.1]	(1.1-1.23]	(1.23-1.41]	(1.41-2.15]	2.15+
	1	2	3	4	5	6	7	8	9	10
Sierra Leone	**Malaria** [35.87]	**LRI** [0.62]	**Diarrhea** [0.51]	**PEM** [1.06]	**Congenital** [0.94]	**Meningitis** [0.75]	**iNTS** [6.34]	**Drown** [0.54]	**Iron** [1.6]	**TB** [0.83]
Togo	**Malaria** [125.31]	**Diarrhea** [0.74]	**LRI** [0.38]	**iNTS** [9.77]	**PEM** [0.75]	**Congenital** [0.53]	**Hemog** [4.61]	**Meningitis** [0.34]	**Whooping** [0.61]	**Iron** [1.35]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Global	Iron [2.11]	Vit A [1.74]	Diarrhea [2.82]	Malaria [964.64]	Neonatal [1.07]	Typh + Paratyph [205.52]	Road Inj [0.59]	Congenital [0.73]	LRI [1.16]	Drown [0.8]
Low SDI	Iron [1.24]	Malaria [8.63]	Diarrhea [0.78]	Vit A [1.04]	Typh + Paratyph [3.06]	HIV [11.63]	LRI [0.45]	Road Inj [0.36]	Neonatal [1.42]	Drown [0.46]
Low-middle SDI	Iron [1.77]	Malaria [158.24]	Vit A [1.32]	Diarrhea [1.29]	Road Inj [0.5]	Typh + Paratyph [16.82]	LRI [0.6]	Neonatal [1.13]	Congenital [0.69]	Drown [0.46]
Middle SDI	Neonatal [1.18]	Drown [1.05]	Road Inj [0.56]	Iron [1.07]	Congenital [0.71]	Vit A [1.14]	Asthma [0.88]	LRI [0.82]	Dermatitis [0.69]	Diarrhea [1.34]
High-middle SDI	Neonatal [1.31]	Road Inj [1.73]	Congenital [1.17]	Drown [3.22]	Asthma [1.0]	Dermatitis [0.59]	Iron [3.49]	Skin Viral [0.94]	Leukemia [1.41]	Conduct [0.86]
High SDI	Dermatitis [1.18]	Neonatal [0.88]	Asthma [0.96]	Congenital [0.56]	Anxiety [1.16]	Skin Viral [1.01]	Conduct [1.0]	URI [1.15]	Road Inj [0.29]	Falls [0.96]
Central Europe, Eastern Europe, and Central Asia	Neonatal [1.35]	Iron [2.39]	Congenital [0.89]	LRI [2.97]	Road Inj [0.68]	Drown [1.34]	Dermatitis [0.59]	Falls [1.49]	Vit A [1.28]	Conduct [0.92]
Central Asia	LRI [2.95]	Iron [2.18]	Vit A [1.53]	Road Inj [0.64]	Neonatal [0.94]	Drown [1.08]	Congenital [0.75]	Epilepsy [1.47]	Leukemia [0.77]	Dermatitis [0.52]
Armenia	Iron [3.52]	Neonatal [0.96]	Congenital [0.85]	LRI [1.25]	Dermatitis [0.52]	Road Inj [0.33]	Diarrhea [1.31]	Conduct [0.91]	Epilepsy [1.0]	Brain C [1.12]
Azerbaijan	LRI [5.12]	Congenital [1.02]	Leukemia [1.7]	Neonatal [0.92]	Epilepsy [2.03]	Drown [0.95]	Iron [1.07]	Road Inj [0.48]	Vit A [0.88]	Fire [2.24]
Georgia	Neonatal [0.96]	Congenital [0.67]	Road Inj [0.5]	Iron [1.08]	Vit A [1.07]	Leukemia [0.81]	Epilepsy [1.11]	Asthma [0.57]	Conduct [0.91]	Dermatitis [0.47]
Kazakhstan	Vit A [3.06]	Road Inj [1.06]	Neonatal [1.02]	Congenital [0.98]	Iron [1.74]	Drown [1.54]	Epilepsy [1.36]	LRI [1.36]	Dermatitis [0.47]	Conduct [0.9]
Kyrgyzstan	Iron [1.79]	Vit A [1.2]	Neonatal [1.01]	Road Inj [0.45]	Congenital [0.6]	LRI [0.66]	Drown [0.53]	Epilepsy [1.07]	Dermatitis [0.56]	Asthma [0.54]
Mongolia	Road Inj [1.14]	Vit A [2.03]	Iron [1.5]	Congenital [0.85]	Neonatal [0.98]	LRI [1.34]	Drown [0.82]	Falls [1.7]	Epilepsy [1.19]	Fire [1.79]
Tajikistan	LRI [1.43]	Drown [0.91]	Iron [1.02]	Vit A [1.15]	Congenital [0.83]	Diarrhea [0.87]	Neonatal [1.05]	Epilepsy [1.56]	Road Inj [0.31]	Dermatitis [0.58]
Turkmenistan	LRI [2.97]	Iron [1.36]	Congenital [0.78]	Neonatal [0.84]	Vit A [1.29]	Drown [0.84]	Epilepsy [1.3]	Dermatitis [0.52]	Leukemia [0.8]	Road Inj [0.32]
Uzbekistan	LRI [2.71]	Iron [2.48]	Road Inj [0.58]	Drown [0.9]	Neonatal [0.9]	Vit A [0.99]	Congenital [0.51]	Epilepsy [1.33]	Leukemia [0.73]	Dermatitis [0.55]
Central Europe	Neonatal [1.39]	Congenital [0.87]	Falls [1.77]	Dermatitis [0.64]	Vit A [2.77]	Diarrhea [2.68]	Asthma [0.66]	Conduct [0.9]	Iron [1.98]	Road Inj [0.53]
Albania	Neonatal [1.17]	Congenital [0.96]	Vit A [1.65]	Falls [2.04]	Road Inj [0.41]	Epilepsy [1.31]	Brain C [1.5]	Leukemia [0.78]	LRI [0.85]	Iron [0.66]
Bosnia	Neonatal [1.35]	Vit A [1.87]	Congenital [0.69]	Falls [1.96]	Dermatitis [0.58]	Iron [0.83]	Asthma [0.61]	Conduct [0.9]	Epilepsy [1.06]	Diarrhea [1.3]
Bulgaria	Neonatal [1.24]	Congenital [0.99]	Falls [1.88]	Vit A [2.07]	Diarrhea [2.27]	Dermatitis [0.52]	Conduct [0.9]	Road Inj [0.48]	Skin Viral [0.79]	Asthma [0.53]
Croatia	Neonatal [1.51]	Congenital [0.88]	Dermatitis [0.54]	Diarrhea [2.36]	Road Inj [0.62]	Falls [1.17]	Conduct [0.9]	Asthma [0.62]	Vit A [1.96]	Skin Viral [0.8]
Czech	Neonatal [0.93]	Falls [2.0]	Dermatitis [0.66]	Congenital [0.78]	Diarrhea [3.21]	Conduct [0.91]	Skin Viral [0.81]	Asthma [0.53]	Anxiety [0.63]	Urticaria [1.65]
Hungary	Neonatal [1.34]	Diarrhea [4.03]	Dermatitis [0.75]	Congenital [0.89]	Falls [1.73]	Vit A [2.02]	Conduct [0.9]	Skin Viral [0.8]	Asthma [0.51]	Anxiety [0.64]
Macedonia	Neonatal [1.33]	Vit A [2.38]	Iron [1.79]	Congenital [0.73]	Falls [1.91]	Road Inj [0.59]	Dermatitis [0.54]	Diarrhea [1.8]	Asthma [0.64]	Conduct [0.9]
Montenegro	Neonatal [1.31]	Vit A [2.67]	Falls [1.78]	Congenital [0.7]	Dermatitis [0.56]	Road Inj [0.59]	Iron [1.57]	Conduct [0.9]	Asthma [0.58]	Skin Viral [0.79]
Poland	Neonatal [1.55]	Congenital [0.96]	Dermatitis [0.73]	Falls [1.65]	Asthma [0.85]	Diarrhea [2.65]	Vit A [2.68]	Upper Digest [7.33]	Conduct [0.91]	Skin Viral [0.81]
Romania	Neonatal [1.43]	Iron [4.52]	Vit A [3.43]	Congenital [0.77]	Diarrhea [2.93]	Falls [1.87]	Upper Digest [8.96]	Road Inj [0.67]	Dermatitis [0.6]	LRI [2.56]
Serbia	Neonatal [1.72]	Vit A [1.57]	Congenital [0.66]	Falls [1.85]	Dermatitis [0.56]	Conduct [0.91]	Diarrhea [1.58]	Skin Viral [0.8]	Anxiety [0.7]	Asthma [0.44]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Slovakia	Neonatal [1.03]	Congenital [0.96]	Falls [1.72]	Dermatitis [0.66]	Diarrhea [3.45]	Vit A [3.42]	Upper Digest [7.57]	Road Inj [0.66]	Conduct [0.91]	Skin Viral [0.8]
Slovenia	Neonatal [1.1]	Falls [2.01]	Congenital [0.89]	Diarrhea [3.16]	Dermatitis [0.54]	Asthma [0.76]	Vit A [2.75]	Conduct [0.92]	Skin Viral [0.81]	Upper Digest [5.87]
Eastern Europe	Neonatal [1.62]	Congenital [0.97]	Iron [2.37]	Upper Digest [9.57]	Road Inj [0.67]	Dermatitis [0.62]	Drown [1.53]	Falls [1.52]	Conduct [0.94]	Asthma [0.6]
Belarus	Neonatal [1.59]	Congenital [0.94]	Drown [1.72]	Dermatitis [0.74]	Upper Digest [9.95]	Falls [1.62]	Road Inj [0.56]	Asthma [0.71]	Conduct [0.9]	Skin Viral [0.8]
Estonia	Neonatal [1.69]	Dermatitis [0.91]	Congenital [1.0]	Upper Digest [10.9]	Falls [1.24]	Iron [3.49]	Conduct [0.92]	Diarrhea [2.47]	Skin Viral [0.82]	Drown [1.83]
Latvia	Neonatal [1.52]	Congenital [1.07]	Upper Digest [11.02]	Dermatitis [0.64]	Drown [2.07]	Falls [1.35]	Diarrhea [2.38]	Asthma [0.72]	Road Inj [0.59]	Conduct [0.9]
Lithuania	Neonatal [1.74]	Upper Digest [13.05]	Congenital [0.89]	Diarrhea [2.81]	Falls [1.26]	Conduct [0.91]	Skin Viral [0.81]	Asthma [0.62]	Dermatitis [0.37]	Urticaria [1.59]
Moldova	Neonatal [1.67]	Iron [1.67]	Congenital [0.78]	Drown [1.01]	Upper Digest [9.8]	Road Inj [0.54]	Dermatitis [0.79]	Falls [1.68]	LRI [0.84]	Conduct [0.9]
Russian Federation	Neonatal [1.62]	Congenital [0.88]	Iron [2.55]	Upper Digest [9.48]	Road Inj [0.72]	Dermatitis [0.62]	Drown [1.54]	Falls [1.53]	Conduct [0.94]	Diarrhea [1.74]
Ukraine	Neonatal [1.6]	Congenital [1.21]	Iron [1.66]	Upper Digest [8.86]	Drown [1.16]	Dermatitis [0.64]	Road Inj [0.47]	Falls [1.53]	Asthma [0.69]	Conduct [0.95]
High-income	Dermatitis [1.16]	Neonatal [0.89]	Asthma [1.11]	Anxiety [1.08]	Congenital [0.75]	Skin Viral [1.03]	Conduct [1.02]	URI [1.07]	Road Inj [0.55]	Falls [0.76]
Australasia	Asthma [2.05]	Dermatitis [1.07]	Falls [2.18]	Neonatal [0.9]	Anxiety [1.15]	Conduct [1.07]	Skin Viral [1.01]	Congenital [0.66]	Road Inj [0.67]	URI [0.95]
Australia	Asthma [2.1]	Dermatitis [1.01]	Falls [2.08]	Neonatal [0.88]	Anxiety [1.11]	Conduct [1.07]	Skin Viral [1.01]	Congenital [0.64]	Road Inj [0.6]	URI [0.94]
New Zealand	Dermatitis [1.36]	Asthma [1.84]	Falls [2.74]	Neonatal [1.01]	Anxiety [1.38]	Road Inj [0.94]	Congenital [0.74]	Conduct [1.09]	Skin Viral [0.98]	Mech [3.65]
High-income Asia Pacific	Dermatitis [1.24]	Neonatal [1.16]	Asthma [0.93]	Congenital [0.72]	Skin Viral [1.01]	Falls [1.1]	Anxiety [0.8]	Conduct [0.88]	Diarrhea [2.36]	URI [0.97]
Brunei	Dermatitis [1.16]	Neonatal [1.13]	Road Inj [1.15]	Iron [5.03]	Congenital [0.86]	Drown [2.68]	Asthma [0.86]	Skin Viral [1.0]	LRI [4.84]	Falls [1.18]
Japan	Dermatitis [1.3]	Neonatal [1.14]	Asthma [0.94]	Congenital [0.78]	Skin Viral [1.0]	Falls [1.14]	Conduct [0.91]	Anxiety [0.78]	Diarrhea [2.22]	URI [0.99]
Aichi	Dermatitis [1.31]	Neonatal [1.17]	Asthma [0.96]	Congenital [0.75]	Skin Viral [1.01]	ASD [1.98]	Falls [1.12]	Conduct [0.91]	Anxiety [0.78]	Diarrhea [2.36]
Akita	Dermatitis [1.31]	Neonatal [1.23]	Congenital [0.89]	Asthma [0.9]	Skin Viral [0.98]	Falls [1.21]	Conduct [0.89]	Diarrhea [2.09]	Anxiety [0.81]	Iron [1.95]
Aomori	Dermatitis [1.31]	Neonatal [1.15]	Asthma [0.89]	Congenital [0.66]	Skin Viral [0.98]	Falls [1.2]	Conduct [0.89]	Diarrhea [2.05]	Anxiety [0.81]	Vit A [1.9]
Chiba	Dermatitis [1.31]	Neonatal [1.13]	Asthma [0.94]	Congenital [0.78]	Skin Viral [1.0]	Falls [1.15]	Conduct [0.9]	Anxiety [0.79]	URI [0.99]	Diarrhea [1.9]
Ehime	Dermatitis [1.31]	Neonatal [0.94]	Asthma [0.9]	Congenital [0.74]	Skin Viral [0.98]	Falls [1.22]	Conduct [0.9]	Anxiety [0.8]	Vit A [1.94]	Road Inj [0.5]
Fukui	Dermatitis [1.31]	Neonatal [1.12]	Asthma [0.91]	Congenital [0.72]	Skin Viral [0.99]	Falls [1.18]	Conduct [0.9]	Diarrhea [2.34]	Anxiety [0.79]	Road Inj [0.55]
Fukuoka	Dermatitis [1.31]	Neonatal [1.12]	Asthma [0.93]	Congenital [0.74]	Skin Viral [1.0]	Falls [1.16]	Conduct [0.9]	Anxiety [0.79]	Diarrhea [1.96]	Iron [2.35]
Fukushima	Dermatitis [1.31]	Neonatal [1.06]	Asthma [0.89]	Congenital [0.72]	Skin Viral [0.98]	Falls [1.19]	Diarrhea [2.33]	Conduct [0.89]	Anxiety [0.8]	URI [1.01]
Gifu	Dermatitis [1.31]	Neonatal [1.16]	Asthma [0.92]	Congenital [0.66]	Skin Viral [0.99]	Falls [1.18]	Iron [3.04]	Conduct [0.9]	Diarrhea [2.33]	Anxiety [0.79]
Gunma	Dermatitis [1.3]	Neonatal [1.1]	Asthma [0.92]	Congenital [0.72]	Skin Viral [0.99]	Falls [1.16]	Conduct [0.9]	Diarrhea [2.31]	Anxiety [0.79]	Iron [2.23]
Hiroshima	Dermatitis [1.31]	Neonatal [1.18]	Asthma [0.94]	Skin Viral [1.0]	Congenital [0.65]	Falls [1.12]	Conduct [0.91]	Anxiety [0.78]	Diarrhea [2.28]	URI [0.98]
Hokkaido	Dermatitis [1.31]	Neonatal [1.1]	Asthma [0.91]	Congenital [0.71]	Skin Viral [0.98]	Falls [1.16]	Diarrhea [2.3]	Conduct [0.89]	Anxiety [0.8]	Vit A [2.18]
Hyogo	Dermatitis [1.31]	Neonatal [1.15]	Asthma [0.79]	Skin Viral [1.0]	Falls [1.14]	Congenital [0.62]	Conduct [0.9]	Diarrhea [2.36]	Anxiety [0.78]	URI [1.0]
Ibaraki	Dermatitis [1.31]	Neonatal [1.19]	Congenital [0.8]	Asthma [0.92]	Skin Viral [0.99]	Falls [1.15]	Conduct [0.9]	Anxiety [0.79]	Vit A [2.37]	Diarrhea [1.99]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Ishikawa	Dermatitis [1.31]	Neonatal [1.1]	Congenital [0.81]	Asthma [0.93]	Skin Viral [0.99]	Falls [1.16]	Conduct [0.89]	Diarrhea [2.33]	Anxiety [0.79]	URI [0.99]
Iwate	Dermatitis [1.31]	Neonatal [1.18]	Congenital [0.78]	Asthma [0.89]	Skin Viral [0.97]	Falls [1.21]	Conduct [0.89]	Diarrhea [2.04]	Anxiety [0.81]	Vit A [1.62]
Kagawa	Dermatitis [1.3]	Neonatal [1.08]	Asthma [0.92]	Diarrhea [3.03]	Congenital [0.69]	Skin Viral [0.99]	Falls [1.14]	Conduct [0.9]	Anxiety [0.79]	URI [1.0]
Kagoshima	Dermatitis [1.31]	Neonatal [0.98]	Congenital [0.77]	Asthma [0.89]	Skin Viral [0.98]	Falls [1.19]	Conduct [0.89]	Diarrhea [2.15]	Anxiety [0.81]	Iron [2.0]
Kanagawa	Dermatitis [1.31]	Neonatal [1.19]	Congenital [0.87]	Asthma [0.98]	Skin Viral [1.01]	Falls [1.13]	Conduct [0.91]	Anxiety [0.78]	ASD [1.59]	URI [0.99]
Kochi	Dermatitis [1.31]	Neonatal [1.05]	Asthma [0.89]	Congenital [0.7]	Skin Viral [0.98]	Falls [1.21]	Conduct [0.88]	Diarrhea [2.07]	Anxiety [0.81]	Iron [1.79]
Kumamoto	Dermatitis [1.31]	Neonatal [1.03]	Asthma [0.89]	Congenital [0.64]	Skin Viral [0.98]	Falls [1.19]	Conduct [0.89]	Anxiety [0.81]	Iron [2.05]	Diarrhea [1.84]
Kyoto	Neonatal [1.19]	Dermatitis [1.04]	Congenital [0.98]	Asthma [0.97]	Skin Viral [1.01]	Falls [1.13]	Conduct [0.92]	Anxiety [0.77]	Diarrhea [2.41]	URI [0.98]
Mie	Dermatitis [1.31]	Neonatal [1.17]	Asthma [0.92]	Skin Viral [0.99]	Diarrhea [2.72]	Congenital [0.65]	Falls [1.14]	Conduct [0.9]	Anxiety [0.79]	URI [0.99]
Miyagi	Dermatitis [1.31]	Neonatal [1.09]	Congenital [0.84]	Asthma [0.77]	Skin Viral [0.99]	Falls [1.16]	Conduct [0.9]	Anxiety [0.79]	Diarrhea [2.09]	URI [1.0]
Miyazaki	Dermatitis [1.31]	Neonatal [1.03]	Asthma [0.88]	Congenital [0.69]	Skin Viral [0.98]	Falls [1.21]	Conduct [0.89]	Anxiety [0.81]	URI [1.01]	ASD [1.34]
Nagano	Dermatitis [1.31]	Neonatal [1.19]	Asthma [0.92]	Congenital [0.72]	Diarrhea [2.82]	Skin Viral [0.99]	Falls [1.18]	Conduct [0.9]	Anxiety [0.79]	URI [1.0]
Nagasaki	Dermatitis [1.31]	Neonatal [1.03]	Congenital [0.73]	Asthma [0.88]	Skin Viral [0.98]	Falls [1.19]	Conduct [0.89]	Anxiety [0.81]	Diarrhea [1.69]	URI [1.01]
Nara	Dermatitis [1.31]	Neonatal [1.02]	Congenital [0.87]	Asthma [0.92]	Skin Viral [0.99]	Falls [1.17]	Conduct [0.9]	Anxiety [0.8]	Diarrhea [2.24]	Vit A [2.1]
Niigata	Dermatitis [1.3]	Neonatal [1.15]	Asthma [0.91]	Congenital [0.74]	Skin Viral [0.99]	Falls [1.17]	Iron [2.9]	Conduct [0.89]	Anxiety [0.8]	Diarrhea [2.14]
Oita	Dermatitis [1.3]	Neonatal [1.2]	Asthma [0.9]	Congenital [0.74]	Skin Viral [0.99]	Falls [1.2]	Diarrhea [2.51]	Conduct [0.9]	Anxiety [0.79]	URI [1.0]
Okayama	Dermatitis [1.3]	Neonatal [1.21]	Asthma [0.93]	Skin Viral [0.99]	Congenital [0.64]	Falls [1.15]	Conduct [0.91]	Anxiety [0.79]	Diarrhea [2.08]	URI [0.99]
Okinawa	Dermatitis [1.31]	Neonatal [1.08]	Asthma [0.75]	Skin Viral [0.98]	Falls [1.21]	Congenital [0.56]	Vit A [2.04]	Conduct [0.88]	Anxiety [0.81]	Diarrhea [1.76]
Osaka	Dermatitis [1.31]	Neonatal [1.09]	Asthma [0.96]	Congenital [0.82]	Skin Viral [1.01]	Falls [1.15]	Conduct [0.91]	Anxiety [0.78]	Diarrhea [2.15]	URI [0.99]
Saga	Dermatitis [1.31]	Neonatal [1.08]	Asthma [0.9]	Congenital [0.68]	Skin Viral [0.98]	Falls [1.19]	Conduct [0.89]	Anxiety [0.8]	Diarrhea [2.07]	URI [1.0]
Saitama	Dermatitis [1.31]	Neonatal [1.12]	Asthma [0.93]	Congenital [0.68]	Skin Viral [0.99]	Falls [1.18]	Conduct [0.9]	Anxiety [0.79]	Diarrhea [2.07]	URI [1.0]
Shiga	Dermatitis [1.59]	Neonatal [1.08]	Asthma [0.95]	Congenital [0.76]	Skin Viral [1.0]	Falls [1.13]	Conduct [0.91]	Anxiety [0.78]	Diarrhea [2.4]	URI [0.99]
Shimane	Dermatitis [1.31]	Neonatal [1.06]	Asthma [0.88]	Congenital [0.63]	Skin Viral [0.98]	Falls [1.2]	Conduct [0.9]	Diarrhea [2.1]	Anxiety [0.8]	URI [1.01]
Shizuoka	Dermatitis [1.31]	Neonatal [1.25]	Asthma [0.93]	Congenital [0.7]	Skin Viral [1.0]	Falls [1.13]	Conduct [0.91]	Anxiety [0.79]	Diarrhea [2.14]	Vit A [2.24]
Tochigi	Dermatitis [1.31]	Neonatal [1.2]	Congenital [0.94]	Asthma [0.93]	Skin Viral [0.99]	Falls [1.13]	Conduct [0.9]	Anxiety [0.79]	URI [0.99]	ASD [1.33]
Tokushima	Dermatitis [1.3]	Neonatal [1.14]	Congenital [0.84]	Asthma [0.91]	Skin Viral [0.99]	Falls [1.21]	Diarrhea [2.51]	Road Inj [0.66]	Conduct [0.9]	Anxiety [0.79]
Tokyo	Dermatitis [1.33]	Neonatal [1.25]	Congenital [1.07]	Asthma [1.07]	Skin Viral [1.05]	Falls [1.05]	Conduct [0.95]	Anxiety [0.76]	Diarrhea [2.52]	URI [0.97]
Tottori	Dermatitis [1.3]	Neonatal [1.14]	Congenital [0.82]	Asthma [0.89]	Skin Viral [0.98]	Falls [1.2]	Conduct [0.9]	Anxiety [0.8]	Iron [2.27]	Road Inj [0.52]
Toyama	Dermatitis [1.3]	Neonatal [1.1]	Asthma [0.94]	Congenital [0.74]	Skin Viral [1.0]	Falls [1.13]	Conduct [0.91]	Diarrhea [2.43]	Iron [3.01]	Anxiety [0.78]
Wakayama	Dermatitis [1.31]	Neonatal [1.19]	Asthma [0.9]	Skin Viral [0.98]	Congenital [0.62]	Falls [1.18]	Conduct [0.9]	Iron [2.56]	Anxiety [0.8]	Diarrhea [2.11]
Yamagata	Dermatitis [1.31]	Neonatal [0.97]	Asthma [0.9]	Congenital [0.69]	Skin Viral [0.98]	Diarrhea [2.44]	Falls [1.21]	Conduct [0.89]	Anxiety [0.8]	URI [1.01]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Yamaguchi	Dermatitis [1.31]	Neonatal [1.01]	Asthma [0.91]	Skin Viral [0.99]	Congenital [0.61]	Falls [1.13]	Conduct [0.9]	Diarrhea [2.33]	Anxiety [0.79]	URI [1.0]
Yamanashi	Dermatitis [1.31]	Neonatal [1.26]	Asthma [0.93]	Congenital [0.74]	Skin Viral [1.0]	Falls [1.16]	Conduct [0.9]	Anxiety [0.79]	Diarrhea [2.13]	URI [0.99]
S Korea	Neonatal [1.18]	Dermatitis [1.11]	Asthma [0.89]	Skin Viral [1.01]	Anxiety [0.85]	Diarrhea [2.57]	Falls [1.04]	Congenital [0.57]	Road Inj [0.7]	Conduct [0.82]
Singapore	Neonatal [1.17]	Dermatitis [1.03]	Asthma [0.88]	Skin Viral [1.01]	Anxiety [0.83]	Falls [1.04]	Diarrhea [2.4]	Conduct [0.85]	Congenital [0.56]	Iron [2.96]
High-income North America	Dermatitis [1.28]	Asthma [1.44]	Neonatal [0.88]	Skin Viral [1.16]	Conduct [1.18]	Congenital [0.77]	Anxiety [0.92]	Road Inj [0.81]	Psoriasis [3.75]	URI [0.98]
Canada	Dermatitis [1.38]	Asthma [1.58]	Skin Viral [1.28]	Neonatal [0.61]	Congenital [0.68]	Conduct [0.97]	Anxiety [0.77]	Psoriasis [3.73]	ASD [1.51]	URI [1.03]
Greenland	Dermatitis [1.33]	Asthma [1.43]	Drown [1.61]	Congenital [0.7]	Fire [3.81]	Neonatal [0.6]	Skin Viral [1.18]	Conduct [1.0]	Violence [3.0]	Anxiety [0.96]
USA	Dermatitis [1.27]	Asthma [1.42]	Neonatal [0.9]	Conduct [1.19]	Skin Viral [1.15]	Congenital [0.76]	Anxiety [0.94]	Road Inj [0.81]	Psoriasis [3.76]	URI [0.98]
Alabama	Dermatitis [1.12]	Asthma [1.39]	Neonatal [0.89]	Road Inj [1.22]	Skin Viral [1.2]	Conduct [1.14]	Congenital [0.67]	Anxiety [0.96]	Iron [2.52]	Psoriasis [3.43]
Alaska	Dermatitis [1.12]	Neonatal [0.85]	Asthma [1.08]	Congenital [0.82]	Conduct [1.16]	Anxiety [0.94]	Road Inj [0.72]	Drown [1.96]	Skin Viral [0.83]	Oth Trans [6.44]
Arizona	Dermatitis [1.3]	Asthma [1.5]	Neonatal [0.89]	Conduct [1.15]	Congenital [0.7]	Road Inj [0.79]	Anxiety [0.95]	Skin Viral [0.89]	Iron [2.81]	Psoriasis [3.42]
Arkansas	Dermatitis [1.03]	Road Inj [1.16]	Neonatal [0.78]	Asthma [1.05]	Congenital [0.68]	Conduct [1.14]	Anxiety [0.97]	Skin Viral [0.97]	Iron [1.99]	URI [0.99]
California	Dermatitis [1.42]	Asthma [1.36]	Neonatal [0.75]	Conduct [1.18]	Congenital [0.71]	Anxiety [0.93]	Skin Viral [0.97]	Psoriasis [3.89]	Road Inj [0.6]	ASD [1.39]
Colorado	Dermatitis [1.14]	Neonatal [0.92]	Asthma [1.37]	Conduct [1.18]	Congenital [0.74]	Anxiety [0.93]	Skin Viral [0.98]	Road Inj [0.75]	URI [0.97]	Psoriasis [2.68]
Connecticut	Dermatitis [1.44]	Asthma [1.94]	Neonatal [1.08]	Skin Viral [1.53]	Conduct [1.19]	Anxiety [0.91]	Congenital [0.74]	Psoriasis [4.13]	URI [0.97]	Epilepsy [1.37]
Delaware	Dermatitis [1.14]	Asthma [1.58]	Neonatal [0.88]	Skin Viral [1.36]	Conduct [1.17]	Congenital [0.73]	Anxiety [0.93]	Road Inj [0.79]	Psoriasis [4.09]	Epilepsy [1.38]
DC	Dermatitis [1.69]	Asthma [1.6]	Neonatal [0.93]	Violence [7.8]	Skin Viral [1.36]	Congenital [0.94]	Conduct [1.17]	Anxiety [0.93]	Road Inj [0.86]	Psoriasis [3.68]
Florida	Dermatitis [1.28]	Neonatal [1.01]	Asthma [1.55]	Skin Viral [1.35]	Conduct [1.16]	Congenital [0.76]	Road Inj [0.86]	Anxiety [0.94]	Psoriasis [4.71]	Iron [2.76]
Georgia	Dermatitis [1.39]	Asthma [1.49]	Neonatal [0.83]	Road Inj [0.98]	Skin Viral [1.19]	Conduct [1.15]	Congenital [0.7]	Anxiety [0.95]	Psoriasis [4.18]	Epilepsy [1.24]
Hawaii	Dermatitis [1.49]	Asthma [1.55]	Neonatal [0.82]	Skin Viral [1.37]	Conduct [1.17]	Congenital [0.74]	Anxiety [0.94]	Road Inj [0.71]	Psoriasis [3.86]	URI [0.98]
Idaho	Dermatitis [1.04]	Neonatal [0.74]	Skin Viral [1.26]	Road Inj [0.81]	Conduct [1.15]	Congenital [0.66]	Asthma [0.78]	Anxiety [0.96]	URI [0.99]	Psoriasis [2.82]
Illinois	Dermatitis [1.12]	Neonatal [1.06]	Asthma [1.33]	Congenital [0.82]	Skin Viral [1.16]	Conduct [1.17]	Anxiety [0.93]	Road Inj [0.68]	Psoriasis [3.57]	URI [0.97]
Indiana	Dermatitis [1.09]	Asthma [1.33]	Neonatal [0.85]	Congenital [0.81]	Iron [3.79]	Conduct [1.15]	Road Inj [0.8]	Anxiety [0.95]	Skin Viral [1.0]	Epilepsy [1.23]
Iowa	Dermatitis [1.0]	Neonatal [0.87]	Skin Viral [1.17]	Conduct [1.17]	Congenital [0.76]	Asthma [0.83]	Road Inj [0.89]	Anxiety [0.94]	Iron [3.53]	URI [0.97]
Kansas	Dermatitis [1.06]	Neonatal [0.92]	Asthma [1.38]	Road Inj [1.11]	Conduct [1.16]	Congenital [0.77]	Skin Viral [1.05]	Anxiety [0.94]	URI [0.97]	Psoriasis [3.14]
Kentucky	Dermatitis [1.12]	Asthma [1.37]	Neonatal [0.87]	Road Inj [0.93]	Skin Viral [1.21]	Congenital [0.74]	Conduct [1.14]	Anxiety [0.97]	Iron [2.03]	Epilepsy [1.22]
Louisiana	Dermatitis [1.2]	Neonatal [0.81]	Skin Viral [1.59]	Asthma [1.1]	Road Inj [1.0]	Congenital [0.76]	Conduct [1.14]	Anxiety [0.97]	Psoriasis [4.06]	Epilepsy [1.25]
Maine	Dermatitis [0.97]	Asthma [1.52]	Neonatal [0.91]	Congenital [0.8]	Conduct [1.17]	Road Inj [0.9]	Skin Viral [1.05]	Anxiety [0.94]	Psoriasis [3.46]	URI [0.99]
Maryland	Dermatitis [1.44]	Neonatal [1.06]	Asthma [1.65]	Skin Viral [1.18]	Conduct [1.19]	Congenital [0.84]	Anxiety [0.92]	Road Inj [0.88]	Psoriasis [4.11]	URI [0.96]
Massachusetts	Dermatitis [1.29]	Neonatal [1.03]	Asthma [1.69]	Skin Viral [1.42]	Conduct [1.2]	Congenital [0.87]	Anxiety [0.91]	Psoriasis [4.13]	ASD [1.5]	URI [0.97]
Michigan	Dermatitis [1.13]	Asthma [1.53]	Neonatal [0.89]	Skin Viral [1.36]	Congenital [0.83]	Conduct [1.16]	Anxiety [0.94]	Road Inj [0.76]	Iron [3.26]	Psoriasis [3.59]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Minnesota	Dermatitis [1.0]	Neonatal [0.96]	Asthma [1.19]	Skin Viral [1.34]	Congenital [0.89]	Conduct [1.19]	Anxiety [0.93]	Road Inj [0.88]	URI [0.97]	ASD [1.34]
Mississippi	Dermatitis [1.02]	Road Inj [1.19]	Neonatal [0.85]	Asthma [0.95]	Conduct [1.13]	Iron [2.62]	Congenital [0.63]	Anxiety [0.98]	Skin Viral [0.97]	URI [0.99]
Missouri	Dermatitis [1.01]	Neonatal [0.92]	Asthma [1.33]	Road Inj [0.96]	Congenital [0.8]	Conduct [1.16]	Skin Viral [1.04]	Anxiety [0.95]	URI [0.98]	Psoriasis [3.22]
Montana	Dermatitis [0.99]	Neonatal [0.87]	Road Inj [1.23]	Asthma [1.02]	Skin Viral [1.19]	Conduct [1.16]	Congenital [0.77]	Anxiety [0.94]	Iron [2.55]	URI [0.98]
Nebraska	Dermatitis [1.0]	Neonatal [0.87]	Asthma [0.96]	Skin Viral [1.18]	Congenital [0.82]	Road Inj [1.0]	Conduct [1.17]	Anxiety [0.94]	URI [0.97]	Psoriasis [3.01]
Nevada	Dermatitis [1.23]	Neonatal [0.84]	Asthma [1.22]	Conduct [1.15]	Anxiety [0.96]	Road Inj [0.74]	Congenital [0.63]	Skin Viral [0.71]	URI [0.99]	Psoriasis [2.99]
New Hampshire	Dermatitis [1.01]	Asthma [1.46]	Neonatal [0.87]	Skin Viral [1.2]	Conduct [1.19]	Congenital [0.82]	Anxiety [0.92]	Psoriasis [3.83]	Road Inj [0.82]	URI [0.97]
New Jersey	Dermatitis [1.57]	Asthma [1.95]	Neonatal [0.97]	Skin Viral [1.4]	Congenital [0.88]	Conduct [1.19]	Anxiety [0.92]	Psoriasis [4.59]	ASD [1.65]	URI [0.96]
New Mexico	Dermatitis [1.13]	Asthma [1.48]	Neonatal [0.95]	Road Inj [0.99]	Congenital [0.73]	Conduct [1.14]	Anxiety [0.97]	Skin Viral [0.72]	URI [0.99]	Epilepsy [1.06]
New York	Dermatitis [1.62]	Asthma [2.11]	Neonatal [1.01]	Skin Viral [1.45]	Congenital [0.91]	Conduct [1.18]	Psoriasis [5.0]	Anxiety [0.92]	URI [0.96]	Epilepsy [1.39]
N Carolina	Dermatitis [1.18]	Neonatal [0.9]	Asthma [1.28]	Skin Viral [1.16]	Road Inj [0.87]	Congenital [0.72]	Conduct [1.06]	Anxiety [0.9]	Psoriasis [3.76]	URI [0.98]
N Dakota	Dermatitis [0.96]	Neonatal [0.95]	Asthma [1.16]	Congenital [0.89]	Skin Viral [1.14]	Conduct [1.18]	Anxiety [0.93]	Road Inj [0.85]	URI [0.97]	Iron [2.63]
Ohio	Dermatitis [1.2]	Asthma [1.41]	Neonatal [0.86]	Congenital [0.84]	Conduct [1.16]	Skin Viral [1.12]	Anxiety [0.94]	Road Inj [0.68]	Psoriasis [3.44]	Epilepsy [1.31]
Oklahoma	Dermatitis [1.25]	Asthma [1.5]	Road Inj [1.26]	Neonatal [0.81]	Congenital [0.82]	Conduct [1.15]	Anxiety [0.96]	Skin Viral [0.94]	Epilepsy [1.22]	URI [0.98]
Oregon	Dermatitis [1.32]	Neonatal [0.78]	Asthma [1.08]	Skin Viral [1.16]	Congenital [0.7]	Conduct [1.02]	Anxiety [0.87]	Psoriasis [3.64]	Road Inj [0.63]	URI [0.97]
Pennsylvania	Dermatitis [1.24]	Asthma [1.59]	Neonatal [0.9]	Congenital [0.86]	Skin Viral [1.2]	Conduct [1.17]	Anxiety [0.93]	Road Inj [0.75]	Psoriasis [3.7]	URI [0.97]
Rhode Island	Dermatitis [1.14]	Asthma [1.57]	Neonatal [0.88]	Skin Viral [1.43]	Conduct [1.18]	Anxiety [0.92]	Congenital [0.74]	Psoriasis [3.87]	URI [0.98]	Epilepsy [1.29]
S Carolina	Dermatitis [1.37]	Neonatal [0.85]	Asthma [1.28]	Iron [4.38]	Road Inj [0.99]	Skin Viral [1.19]	Congenital [0.72]	Conduct [1.14]	Anxiety [0.96]	Psoriasis [3.97]
S Dakota	Dermatitis [0.97]	Road Inj [1.5]	Neonatal [0.77]	Congenital [0.9]	Skin Viral [1.29]	Asthma [0.89]	Conduct [1.16]	Anxiety [0.95]	Iron [2.43]	URI [0.98]
Tennessee	Dermatitis [1.12]	Neonatal [0.84]	Asthma [1.08]	Road Inj [0.89]	Conduct [1.14]	Congenital [0.68]	Skin Viral [1.01]	Anxiety [0.96]	ASD [1.49]	Psoriasis [3.39]
Texas	Dermatitis [1.33]	Neonatal [0.96]	Asthma [1.48]	Conduct [1.49]	Road Inj [0.86]	Congenital [0.69]	Anxiety [0.96]	Skin Viral [1.0]	Psoriasis [3.97]	ASD [1.6]
Utah	Dermatitis [1.06]	Neonatal [0.83]	Skin Viral [1.3]	Conduct [1.15]	Asthma [0.85]	Congenital [0.7]	Anxiety [0.95]	ASD [1.9]	Iron [3.2]	Road Inj [0.63]
Vermont	Dermatitis [0.99]	Neonatal [0.97]	Asthma [1.31]	Conduct [1.19]	Congenital [0.82]	Anxiety [0.92]	Skin Viral [1.04]	Road Inj [0.87]	Psoriasis [3.31]	URI [0.96]
Virginia	Dermatitis [1.45]	Neonatal [0.98]	Asthma [1.49]	Conduct [1.18]	Skin Viral [1.06]	Congenital [0.74]	Anxiety [0.93]	Road Inj [0.78]	Psoriasis [3.75]	URI [0.97]
Washington	Dermatitis [1.28]	Neonatal [0.83]	Asthma [1.06]	Skin Viral [1.22]	Conduct [1.18]	Congenital [0.78]	Anxiety [0.93]	Psoriasis [3.56]	Road Inj [0.63]	URI [0.97]
W Virginia	Dermatitis [1.14]	Asthma [1.42]	Neonatal [0.85]	Road Inj [0.96]	Congenital [0.74]	Conduct [1.14]	Anxiety [0.97]	Skin Viral [0.97]	Iron [2.25]	Epilepsy [1.25]
Wisconsin	Dermatitis [1.0]	Neonatal [0.96]	Asthma [1.07]	Skin Viral [1.2]	Congenital [0.82]	Conduct [1.18]	Anxiety [0.93]	Road Inj [0.73]	URI [0.97]	Psoriasis [3.2]
Wyoming	Dermatitis [1.05]	Road Inj [1.41]	Neonatal [0.73]	Asthma [1.09]	Congenital [0.8]	Conduct [1.17]	Anxiety [0.94]	Skin Viral [0.91]	URI [0.98]	Epilepsy [1.16]
Southern Latin America	Neonatal [0.95]	Dermatitis [1.0]	Asthma [0.94]	Anxiety [1.37]	Congenital [0.57]	Road Inj [0.42]	Diarrhea [1.77]	Skin Viral [0.99]	Conduct [0.92]	Leukemia [0.58]
Argentina	Neonatal [0.94]	Dermatitis [0.94]	Asthma [0.92]	Congenital [0.56]	Anxiety [1.38]	Road Inj [0.41]	Diarrhea [1.72]	Skin Viral [0.99]	Conduct [0.93]	Leukemia [0.59]
Chile	Dermatitis [1.19]	Neonatal [1.0]	Asthma [0.99]	Anxiety [1.32]	Congenital [0.59]	Diarrhea [2.07]	Road Inj [0.46]	Skin Viral [0.99]	Conduct [0.89]	Epilepsy [0.97]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Uruguay	Neonatal [1.0]	Dermatitis [0.93]	Asthma [1.07]	Anxiety [1.39]	Congenital [0.53]	Skin Viral [0.99]	Road Inj [0.34]	Conduct [0.93]	Iron [0.6]	Vit A [0.52]
Western Europe	Dermatitis [1.08]	Neonatal [0.81]	Anxiety [1.29]	Congenital [0.78]	Asthma [0.83]	Skin Viral [0.95]	Conduct [0.95]	URI [1.26]	Falls [0.85]	Epilepsy [0.99]
Andorra	Dermatitis [1.48]	Neonatal [0.86]	Anxiety [1.22]	Asthma [1.01]	Congenital [0.87]	Skin Viral [0.99]	Conduct [0.96]	URI [1.24]	Falls [0.81]	Headaches [1.03]
Austria	Neonatal [1.34]	Dermatitis [0.75]	Anxiety [1.24]	Congenital [0.87]	Skin Viral [0.96]	Asthma [0.74]	Conduct [0.95]	URI [1.26]	Falls [0.89]	Headaches [1.01]
Belgium	Dermatitis [0.91]	Anxiety [1.19]	Neonatal [0.56]	Congenital [0.78]	Skin Viral [0.98]	Conduct [0.96]	Falls [1.01]	URI [1.24]	Asthma [0.7]	Headaches [1.28]
Cyprus	Neonatal [1.07]	Dermatitis [0.77]	Anxiety [1.23]	Congenital [0.71]	Asthma [0.76]	Skin Viral [0.96]	Conduct [0.95]	URI [1.26]	Road Inj [0.58]	Falls [0.82]
Denmark	Dermatitis [1.26]	Anxiety [1.2]	Neonatal [0.69]	Congenital [1.05]	Skin Viral [1.15]	Asthma [0.93]	Iron [5.37]	URI [1.22]	Conduct [0.9]	Falls [0.75]
Finland	Neonatal [1.68]	Dermatitis [1.32]	Congenital [1.0]	Asthma [0.9]	Anxiety [0.9]	Skin Viral [1.01]	Conduct [0.93]	URI [1.23]	Falls [0.91]	Road Inj [0.62]
France	Dermatitis [1.2]	Anxiety [1.46]	Neonatal [0.65]	Congenital [0.75]	Asthma [0.78]	Skin Viral [0.96]	Conduct [0.94]	URI [1.26]	Falls [0.88]	Epilepsy [1.07]
Germany	Neonatal [0.93]	Dermatitis [0.91]	Anxiety [1.45]	Congenital [0.82]	Skin Viral [0.98]	Epilepsy [1.9]	Conduct [0.95]	URI [1.25]	Falls [0.85]	Asthma [0.57]
Greece	Neonatal [0.84]	Anxiety [1.39]	Congenital [0.79]	Dermatitis [0.64]	Skin Viral [0.94]	Road Inj [0.59]	Asthma [0.68]	Conduct [0.92]	URI [1.31]	Falls [0.91]
Iceland	Dermatitis [1.38]	Neonatal [0.87]	Asthma [1.39]	Anxiety [1.21]	Congenital [0.88]	Skin Viral [1.09]	Conduct [0.97]	URI [1.23]	Falls [0.8]	Brain C [0.98]
Ireland	Dermatitis [1.12]	Asthma [1.17]	Anxiety [1.33]	Neonatal [0.72]	Congenital [0.9]	Skin Viral [0.97]	Conduct [0.95]	URI [1.24]	Falls [0.86]	Headaches [1.01]
Israel	Dermatitis [1.0]	Neonatal [0.92]	Congenital [0.71]	Blindness [2.66]	Asthma [0.72]	Skin Viral [0.91]	Conduct [0.92]	URI [1.28]	Anxiety [0.81]	Falls [0.93]
Italy	Dermatitis [0.91]	Anxiety [1.32]	Neonatal [0.64]	Congenital [0.74]	Skin Viral [0.95]	Conduct [0.94]	URI [1.27]	Headaches [1.21]	Falls [0.72]	Asthma [0.42]
Luxembourg	Dermatitis [1.48]	Neonatal [1.13]	Anxiety [1.2]	Asthma [1.11]	Congenital [0.8]	Skin Viral [1.0]	Conduct [0.98]	URI [1.23]	Falls [0.79]	Headaches [1.16]
Malta	Congenital [1.08]	Dermatitis [0.79]	Neonatal [0.71]	Anxiety [1.27]	Asthma [0.82]	Skin Viral [0.94]	Conduct [0.93]	Falls [1.13]	URI [1.28]	Iron [1.96]
Netherlands	Dermatitis [1.18]	Neonatal [0.87]	Anxiety [1.43]	Congenital [0.89]	Asthma [0.91]	Conduct [1.09]	Skin Viral [0.92]	URI [1.23]	Falls [0.68]	Headaches [1.14]
Norway	Dermatitis [1.33]	Neonatal [1.04]	Anxiety [1.6]	Asthma [1.35]	Congenital [1.02]	Skin Viral [1.07]	Conduct [0.98]	Falls [0.98]	URI [1.24]	Headaches [1.04]
Portugal	Dermatitis [0.86]	Asthma [1.12]	Anxiety [1.34]	Neonatal [0.59]	Conduct [0.92]	Congenital [0.48]	Skin Viral [0.84]	Vit A [1.25]	URI [1.31]	Iron [0.96]
Spain	Neonatal [0.68]	Dermatitis [0.67]	Anxiety [1.21]	Congenital [0.66]	Skin Viral [0.92]	Conduct [0.93]	Asthma [0.67]	URI [1.29]	Iron [1.91]	Falls [0.86]
Sweden	Dermatitis [1.69]	Asthma [1.25]	Neonatal [0.76]	Congenital [0.97]	Anxiety [1.19]	Skin Viral [1.07]	Conduct [0.98]	Falls [1.01]	URI [1.25]	ASD [1.1]
Stockholm	Dermatitis [1.35]	Congenital [1.34]	Neonatal [0.75]	Asthma [1.17]	Anxiety [1.17]	Skin Viral [1.1]	Conduct [0.99]	Falls [0.97]	URI [1.23]	ASD [1.38]
Sweden w/o Stockholm	Dermatitis [1.79]	Asthma [1.27]	Neonatal [0.77]	Anxiety [1.2]	Congenital [0.87]	Skin Viral [1.06]	Conduct [0.97]	Falls [1.02]	URI [1.26]	Headaches [0.96]
Switzerland	Dermatitis [1.47]	Neonatal [0.83]	Anxiety [1.22]	Congenital [0.82]	Asthma [0.89]	Skin Viral [0.98]	Conduct [0.96]	URI [1.24]	Falls [0.67]	ASD [1.02]
UK	Dermatitis [1.43]	Neonatal [0.97]	Asthma [1.39]	Iron [4.12]	Congenital [0.83]	Anxiety [1.08]	Conduct [0.98]	Skin Viral [0.89]	URI [1.28]	Falls [0.88]
England	Dermatitis [1.46]	Neonatal [0.99]	Asthma [1.42]	Iron [4.26]	Congenital [0.83]	Anxiety [1.05]	Conduct [0.98]	Skin Viral [0.88]	URI [1.28]	Falls [0.87]
E Midlands	Dermatitis [1.44]	Neonatal [0.94]	Asthma [1.31]	Iron [3.51]	Congenital [0.78]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.87]	URI [1.29]	Falls [0.9]
Derby	Dermatitis [1.43]	Neonatal [0.95]	Asthma [1.32]	Iron [3.85]	Congenital [0.77]	Anxiety [1.05]	Conduct [0.98]	Skin Viral [0.88]	URI [1.27]	Falls [0.87]
Derbyshire	Dermatitis [1.44]	Neonatal [0.86]	Asthma [1.27]	Iron [3.92]	Congenital [0.77]	Anxiety [1.08]	Conduct [0.97]	Skin Viral [0.87]	URI [1.31]	Falls [0.94]
Leicester	Dermatitis [1.44]	Asthma [1.36]	Neonatal [0.81]	Congenital [0.9]	Anxiety [1.06]	Conduct [0.98]	Iron [2.84]	Skin Viral [0.88]	URI [1.27]	Falls [0.91]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Leicestershire	Dermatitis [1.44]	Asthma [1.32]	Neonatal [0.79]	Iron [4.19]	Congenital [0.79]	Anxiety [1.05]	Conduct [0.98]	Skin Viral [0.88]	URI [1.28]	Falls [0.87]
Lincolnshire	Dermatitis [1.44]	Neonatal [0.92]	Asthma [1.28]	Congenital [0.82]	Iron [2.98]	Anxiety [1.09]	Conduct [0.96]	Skin Viral [0.87]	URI [1.32]	Falls [0.93]
Northamptonshire	Dermatitis [1.44]	Neonatal [1.03]	Asthma [1.3]	Iron [3.52]	Congenital [0.76]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.87]	URI [1.29]	Falls [0.89]
Nottingham	Dermatitis [1.44]	Neonatal [1.15]	Asthma [1.41]	Congenital [0.84]	Anxiety [1.03]	Iron [3.96]	Conduct [1.0]	Skin Viral [0.89]	URI [1.26]	Falls [0.84]
Nottinghamshire	Dermatitis [1.44]	Neonatal [1.03]	Asthma [1.27]	Congenital [0.69]	Anxiety [1.08]	Iron [2.48]	Conduct [0.97]	Skin Viral [0.87]	URI [1.31]	Falls [0.9]
Rutland	Dermatitis [1.44]	Asthma [1.29]	Iron [3.92]	Neonatal [0.66]	Congenital [0.72]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.88]	URI [1.3]	Falls [0.87]
E England	Dermatitis [1.44]	Neonatal [0.9]	Asthma [1.33]	Congenital [0.76]	Anxiety [1.06]	Iron [2.97]	Conduct [0.98]	Skin Viral [0.88]	URI [1.29]	Falls [0.88]
Bedford	Dermatitis [1.44]	Neonatal [1.1]	Asthma [1.32]	Congenital [0.76]	Iron [3.44]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.88]	URI [1.27]	Falls [0.87]
Cambridgeshire	Dermatitis [1.43]	Neonatal [0.92]	Asthma [1.41]	Congenital [0.88]	Anxiety [1.03]	Conduct [1.0]	Skin Viral [0.89]	URI [1.27]	ASD [1.65]	Iron [2.92]
Cen Bedfordshire	Dermatitis [1.44]	Neonatal [0.98]	Asthma [1.3]	Congenital [0.7]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.88]	Iron [2.51]	URI [1.3]	Falls [0.88]
Essex	Dermatitis [1.44]	Neonatal [0.89]	Asthma [1.29]	Congenital [0.7]	Anxiety [1.08]	Conduct [0.97]	Skin Viral [0.88]	URI [1.3]	Iron [2.3]	Falls [0.88]
Hertfordshire	Dermatitis [1.43]	Neonatal [0.89]	Asthma [1.39]	Congenital [0.78]	Anxiety [1.03]	Conduct [1.0]	Iron [3.54]	Skin Viral [0.89]	URI [1.27]	Falls [0.83]
Luton	Dermatitis [1.43]	Neonatal [1.02]	Asthma [1.37]	Congenital [0.9]	Anxiety [1.06]	Conduct [0.99]	Skin Viral [0.87]	URI [1.28]	Iron [2.29]	Falls [0.93]
Norfolk	Dermatitis [1.44]	Asthma [1.3]	Neonatal [0.76]	Congenital [0.74]	Iron [2.99]	Anxiety [1.07]	Conduct [0.98]	Skin Viral [0.87]	URI [1.3]	Falls [0.91]
Peterborough	Dermatitis [1.44]	Asthma [1.35]	Neonatal [0.71]	Congenital [0.81]	Iron [2.94]	Anxiety [1.07]	Conduct [0.98]	Skin Viral [0.87]	URI [1.29]	Falls [0.94]
Southend-on-Sea	Dermatitis [1.44]	Neonatal [1.06]	Asthma [1.3]	Congenital [0.85]	Iron [2.78]	Anxiety [1.09]	Conduct [0.97]	Skin Viral [0.87]	URI [1.31]	Falls [0.95]
Suffolk	Dermatitis [1.44]	Neonatal [0.94]	Asthma [1.28]	Iron [3.15]	Congenital [0.71]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.87]	URI [1.31]	Falls [0.91]
Thurrock	Dermatitis [1.45]	Neonatal [0.99]	Asthma [1.29]	Congenital [0.69]	Iron [2.41]	Anxiety [1.1]	Conduct [0.96]	Skin Viral [0.87]	URI [1.32]	Falls [0.92]
Greater London	Dermatitis [1.46]	Asthma [1.75]	Neonatal [1.05]	Iron [6.32]	Congenital [0.93]	Anxiety [1.02]	Conduct [1.01]	Skin Viral [0.91]	URI [1.24]	Falls [0.8]
Barking & Dagenham	Dermatitis [1.87]	Iron [4.98]	Asthma [1.49]	Neonatal [0.98]	Congenital [0.7]	Anxiety [1.09]	Conduct [0.97]	Skin Viral [0.86]	URI [1.31]	Falls [0.93]
Barnet	Dermatitis [1.43]	Asthma [1.63]	Neonatal [0.97]	Iron [5.0]	Congenital [0.8]	Anxiety [1.04]	Conduct [0.99]	Skin Viral [0.89]	URI [1.27]	Falls [0.84]
Bexley	Dermatitis [1.43]	Asthma [1.55]	Neonatal [0.92]	Iron [4.25]	Congenital [0.76]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.87]	URI [1.31]	Falls [0.91]
Brent	Dermatitis [1.43]	Asthma [1.63]	Neonatal [1.03]	Iron [5.4]	Congenital [0.82]	Anxiety [1.04]	Conduct [0.99]	Skin Viral [0.88]	URI [1.26]	Falls [0.86]
Bromley	Dermatitis [1.44]	Neonatal [1.1]	Asthma [1.6]	Congenital [0.82]	Anxiety [1.05]	Conduct [0.98]	Skin Viral [0.89]	URI [1.29]	Falls [0.87]	Iron [2.14]
Camden	Dermatitis [1.46]	Asthma [1.88]	Neonatal [0.92]	Congenital [1.05]	Anxiety [1.0]	Iron [6.63]	Conduct [1.04]	Skin Viral [0.94]	URI [1.24]	Falls [0.79]
Croydon	Dermatitis [1.44]	Asthma [1.56]	Neonatal [0.98]	Iron [4.66]	Congenital [0.71]	Anxiety [1.06]	Conduct [0.97]	Skin Viral [0.88]	URI [1.29]	Falls [0.87]
Ealing	Dermatitis [1.43]	Neonatal [1.11]	Asthma [1.64]	Iron [6.63]	Anxiety [1.04]	Congenital [0.76]	Conduct [0.99]	Skin Viral [0.89]	URI [1.26]	Falls [0.83]
Enfield	Dermatitis [1.44]	Asthma [1.59]	Neonatal [1.03]	Iron [4.61]	Congenital [0.83]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.88]	URI [1.29]	Falls [0.89]
Greenwich	Dermatitis [1.43]	Asthma [1.54]	Neonatal [0.95]	Iron [3.76]	Anxiety [1.06]	Congenital [0.69]	Conduct [0.98]	Skin Viral [0.87]	URI [1.28]	Falls [0.85]
Hackney	Dermatitis [1.45]	Asthma [1.8]	Neonatal [1.02]	Congenital [0.93]	Anxiety [1.03]	Iron [4.28]	Conduct [0.99]	Skin Viral [0.91]	URI [1.24]	Falls [0.83]
Hammersmith & Fulham	Dermatitis [1.46]	Asthma [1.85]	Neonatal [1.03]	Congenital [0.94]	Anxiety [1.01]	Conduct [1.03]	Skin Viral [0.94]	URI [1.23]	Falls [0.76]	Iron [3.1]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Haringey	Dermatitis [1.44]	Neonatal [1.08]	Asthma [1.61]	Iron [4.5]	Congenital [0.79]	Anxiety [1.05]	Conduct [0.98]	Skin Viral [0.89]	URI [1.26]	Falls [0.84]
Harrow	Dermatitis [1.44]	Neonatal [1.12]	Asthma [1.58]	Iron [5.13]	Congenital [0.8]	Anxiety [1.05]	Conduct [0.98]	Skin Viral [0.89]	URI [1.28]	Falls [0.85]
Havering	Dermatitis [1.44]	Asthma [1.54]	Neonatal [0.97]	Congenital [0.74]	Iron [3.14]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.87]	URI [1.31]	Falls [0.9]
Hillingdon	Dermatitis [1.44]	Neonatal [1.15]	Asthma [1.79]	Congenital [1.25]	Iron [5.48]	Anxiety [1.03]	Other MN [3.5]	Conduct [1.0]	Brain C [1.48]	Skin Viral [0.9]
Hounslow	Dermatitis [1.44]	Neonatal [1.09]	Asthma [1.7]	Congenital [0.88]	Iron [5.0]	Anxiety [1.03]	Conduct [1.0]	Skin Viral [0.9]	URI [1.25]	Falls [0.83]
Islington	Dermatitis [1.45]	Asthma [1.89]	Neonatal [0.89]	Congenital [1.08]	Anxiety [1.01]	Conduct [1.03]	Skin Viral [0.94]	URI [1.23]	Iron [4.37]	Falls [0.8]
Kensington & Chelsea	Dermatitis [1.45]	Asthma [1.86]	Neonatal [0.89]	Iron [8.37]	Congenital [0.92]	Anxiety [0.99]	Conduct [1.05]	Skin Viral [0.94]	URI [1.23]	Falls [0.76]
Kingston upon Thames	Dermatitis [1.44]	Neonatal [1.09]	Asthma [1.73]	Congenital [0.9]	Anxiety [1.02]	Conduct [1.0]	Iron [4.1]	Skin Viral [0.91]	URI [1.26]	Falls [0.8]
Lambeth	Dermatitis [1.44]	Asthma [1.76]	Iron [7.47]	Neonatal [0.75]	Congenital [0.94]	Anxiety [1.02]	Conduct [1.01]	Skin Viral [0.92]	URI [1.23]	Falls [0.79]
Lewisham	Dermatitis [1.43]	Neonatal [1.18]	Asthma [1.58]	Iron [3.96]	Congenital [0.73]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.88]	URI [1.27]	Falls [0.85]
Merton	Dermatitis [1.43]	Asthma [1.68]	Neonatal [1.04]	Iron [5.71]	Congenital [0.84]	Anxiety [1.03]	Conduct [0.99]	Skin Viral [0.9]	URI [1.26]	Falls [0.82]
Newham	Dermatitis [1.44]	Neonatal [1.06]	Asthma [1.61]	Congenital [0.8]	Anxiety [1.06]	Iron [3.29]	Conduct [0.98]	Skin Viral [0.88]	URI [1.27]	Falls [0.86]
Redbridge	Dermatitis [1.44]	Asthma [1.55]	Neonatal [0.98]	Iron [4.4]	Congenital [0.79]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.87]	URI [1.29]	Falls [0.89]
Richmond upon Thames	Dermatitis [1.44]	Neonatal [1.15]	Asthma [1.76]	Congenital [1.08]	Iron [6.01]	Anxiety [1.02]	Conduct [1.01]	Skin Viral [0.91]	URI [1.26]	Other MN [2.77]
Southwark	Dermatitis [1.45]	Asthma [1.84]	Neonatal [0.77]	Congenital [1.01]	Anxiety [1.01]	Iron [5.39]	Conduct [1.02]	Skin Viral [0.92]	URI [1.23]	Falls [0.82]
Sutton	Dermatitis [1.43]	Neonatal [1.25]	Asthma [1.6]	Iron [4.31]	Congenital [0.82]	Anxiety [1.05]	Conduct [0.98]	Skin Viral [0.88]	URI [1.28]	Falls [0.87]
Tower Hamlets	Dermatitis [1.45]	Neonatal [1.13]	Asthma [1.84]	Congenital [1.02]	Anxiety [1.01]	Iron [5.16]	Conduct [1.01]	Skin Viral [0.92]	URI [1.23]	Falls [0.81]
Waltham Forest	Dermatitis [1.44]	Asthma [1.53]	Neonatal [0.99]	Iron [4.15]	Congenital [0.76]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.87]	URI [1.28]	Falls [0.91]
Wandsworth	Dermatitis [1.45]	Asthma [1.77]	Neonatal [0.92]	Congenital [0.91]	Anxiety [1.01]	Iron [5.41]	Conduct [1.02]	Skin Viral [0.93]	URI [1.24]	Falls [0.77]
Westminster	Dermatitis [1.46]	Asthma [1.88]	Neonatal [0.83]	Iron [6.92]	Congenital [0.92]	Anxiety [1.0]	Conduct [1.04]	Skin Viral [0.94]	URI [1.22]	Falls [0.77]
NE England	Dermatitis [1.55]	Iron [4.59]	Neonatal [0.88]	Asthma [1.3]	Congenital [0.84]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [0.9]
County Durham	Dermatitis [1.72]	Iron [4.73]	Neonatal [0.95]	Asthma [1.29]	Congenital [0.79]	Anxiety [1.09]	Conduct [0.96]	Skin Viral [0.87]	URI [1.31]	Falls [0.91]
Darlington	Dermatitis [1.43]	Iron [5.15]	Asthma [1.33]	Neonatal [0.86]	Congenital [0.89]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.87]	URI [1.3]	Falls [0.9]
Gateshead	Dermatitis [1.69]	Iron [5.85]	Neonatal [0.98]	Asthma [1.32]	Congenital [0.85]	Anxiety [1.07]	Conduct [0.96]	Skin Viral [0.87]	URI [1.29]	Falls [0.9]
Hartlepool	Dermatitis [1.45]	Neonatal [1.0]	Asthma [1.29]	Iron [2.77]	Congenital [0.79]	Anxiety [1.1]	Conduct [0.97]	Skin Viral [0.86]	URI [1.31]	Falls [0.92]
Middlesbrough	Dermatitis [1.44]	Asthma [1.33]	Congenital [0.94]	Neonatal [0.77]	Iron [3.06]	Anxiety [1.09]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [0.94]
Newcastle upon Tyne	Dermatitis [1.43]	Asthma [1.42]	Neonatal [0.84]	Congenital [0.91]	Iron [5.02]	Anxiety [1.03]	Conduct [1.0]	Skin Viral [0.89]	URI [1.26]	Falls [0.81]
N Tyneside	Dermatitis [1.43]	Asthma [1.32]	Iron [4.64]	Neonatal [0.82]	Congenital [0.87]	Anxiety [1.07]	Conduct [0.98]	Skin Viral [0.87]	URI [1.29]	Falls [0.93]
Northumberland	Dermatitis [1.44]	Neonatal [0.85]	Asthma [1.28]	Iron [3.64]	Congenital [0.77]	Anxiety [1.08]	Conduct [0.98]	Skin Viral [0.86]	URI [1.31]	Falls [0.91]
Redcar & Cleveland	Dermatitis [1.45]	Iron [3.71]	Asthma [1.29]	Congenital [0.95]	Neonatal [0.8]	Anxiety [1.1]	Conduct [0.98]	Skin Viral [0.86]	URI [1.33]	Falls [1.0]
S Tyneside	Dermatitis [1.73]	Iron [3.29]	Asthma [1.27]	Neonatal [0.84]	Congenital [0.79]	Anxiety [1.1]	Conduct [0.96]	Skin Viral [0.87]	URI [1.33]	Falls [0.94]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Stockton-on-Tees	Dermatitis [1.44]	Neonatal [1.07]	Asthma [1.34]	Iron [4.7]	Congenital [0.87]	Anxiety [1.08]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [0.9]
Sunderland	Dermatitis [1.71]	Iron [4.99]	Asthma [1.15]	Neonatal [0.75]	Congenital [0.83]	Anxiety [1.08]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [0.91]
NW England	Dermatitis [1.44]	Neonatal [1.09]	Asthma [1.36]	Congenital [0.9]	Iron [3.3]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.88]	URI [1.28]	Falls [0.91]
Blackburn with Darwen	Dermatitis [1.45]	Neonatal [1.07]	Asthma [1.33]	Congenital [0.88]	Iron [2.41]	Anxiety [1.1]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [0.96]
Blackpool	Dermatitis [1.46]	Neonatal [1.03]	Asthma [1.27]	Iron [2.14]	Congenital [0.68]	Anxiety [1.12]	Conduct [0.97]	Skin Viral [0.87]	URI [1.33]	Falls [0.98]
Bolton	Dermatitis [1.44]	Neonatal [1.02]	Asthma [1.32]	Congenital [0.91]	Iron [2.58]	Anxiety [1.09]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [0.97]
Bury	Dermatitis [1.44]	Neonatal [0.98]	Asthma [1.29]	Iron [3.34]	Congenital [0.83]	Anxiety [1.07]	Conduct [0.98]	Skin Viral [0.87]	URI [1.29]	Falls [0.93]
Cheshire E	Dermatitis [1.43]	Neonatal [1.35]	Asthma [1.42]	Congenital [1.03]	Anxiety [1.03]	Conduct [1.0]	Skin Viral [0.89]	URI [1.27]	Iron [3.15]	Falls [0.85]
Cheshire W & Chester	Dermatitis [1.44]	Neonatal [1.11]	Asthma [1.39]	Congenital [1.03]	Anxiety [1.05]	Iron [3.29]	Conduct [0.99]	Skin Viral [0.89]	URI [1.27]	Falls [0.88]
Cumbria	Dermatitis [1.43]	Neonatal [1.08]	Asthma [1.31]	Congenital [0.77]	Iron [3.23]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.87]	URI [1.29]	Falls [0.89]
Halton	Dermatitis [1.44]	Neonatal [1.11]	Asthma [1.38]	Congenital [1.05]	Iron [3.56]	Anxiety [1.08]	Conduct [0.97]	Skin Viral [0.87]	URI [1.29]	Falls [0.96]
Knowsley	Dermatitis [1.44]	Neonatal [1.05]	Asthma [1.33]	Congenital [0.98]	Iron [3.6]	Anxiety [1.08]	Conduct [0.97]	Skin Viral [0.87]	URI [1.29]	Falls [0.95]
Lancashire	Dermatitis [1.43]	Neonatal [1.05]	Asthma [1.35]	Congenital [0.91]	Iron [3.21]	Anxiety [1.07]	Conduct [0.98]	Skin Viral [0.87]	URI [1.29]	Falls [0.93]
Liverpool	Dermatitis [1.44]	Neonatal [1.19]	Asthma [1.39]	Congenital [1.06]	Anxiety [0.97]	Conduct [0.98]	Skin Viral [0.88]	URI [1.27]	Falls [0.91]	Iron [2.39]
Manchester	Dermatitis [1.44]	Neonatal [1.2]	Asthma [1.5]	Congenital [0.99]	Anxiety [1.02]	Conduct [1.0]	Skin Viral [0.91]	URI [1.24]	Falls [0.84]	Iron [3.07]
Oldham	Dermatitis [1.45]	Asthma [1.32]	Neonatal [0.8]	Congenital [0.77]	Iron [2.06]	Anxiety [1.12]	Conduct [0.96]	Skin Viral [0.87]	URI [1.32]	Falls [0.95]
Rochdale	Dermatitis [1.44]	Iron [3.26]	Asthma [1.28]	Neonatal [0.83]	Congenital [0.68]	Anxiety [1.1]	Conduct [0.97]	Skin Viral [0.86]	URI [1.32]	Falls [0.92]
Salford	Dermatitis [1.44]	Neonatal [1.22]	Asthma [1.38]	Congenital [0.92]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.88]	URI [1.27]	Falls [0.91]	Iron [2.18]
Sefton	Dermatitis [1.44]	Neonatal [1.08]	Asthma [1.29]	Congenital [0.86]	Iron [3.1]	Anxiety [1.08]	Conduct [0.97]	Skin Viral [0.86]	URI [1.31]	Falls [0.94]
St Helens	Dermatitis [1.44]	Neonatal [1.09]	Asthma [1.28]	Congenital [0.84]	Iron [2.86]	Anxiety [1.09]	Conduct [0.96]	Skin Viral [0.87]	URI [1.3]	Falls [0.94]
Stockport	Dermatitis [1.43]	Neonatal [0.92]	Asthma [1.34]	Congenital [0.84]	Iron [3.93]	Anxiety [1.05]	Conduct [0.99]	Skin Viral [0.88]	URI [1.29]	Falls [0.89]
Tameside	Dermatitis [1.44]	Neonatal [0.89]	Asthma [1.3]	Congenital [0.83]	Iron [2.32]	Anxiety [1.1]	Conduct [0.97]	Skin Viral [0.87]	URI [1.32]	Falls [0.98]
Trafford	Dermatitis [1.44]	Neonatal [1.21]	Asthma [1.44]	Congenital [0.96]	Iron [4.83]	Anxiety [1.03]	Conduct [1.0]	Skin Viral [0.9]	URI [1.25]	Falls [0.85]
Warrington	Dermatitis [1.43]	Neonatal [1.28]	Asthma [1.41]	Iron [5.78]	Congenital [0.9]	Anxiety [1.04]	Conduct [0.99]	Skin Viral [0.89]	URI [1.26]	Falls [0.85]
Wigan	Dermatitis [1.44]	Neonatal [1.08]	Asthma [1.29]	Congenital [0.78]	Iron [2.34]	Anxiety [1.09]	Conduct [0.97]	Skin Viral [0.86]	URI [1.33]	Falls [0.95]
Wirral	Dermatitis [1.44]	Neonatal [1.21]	Asthma [1.29]	Congenital [0.89]	Anxiety [1.09]	Iron [1.98]	Conduct [0.97]	Skin Viral [0.87]	URI [1.31]	Falls [0.93]
SE England	Dermatitis [1.57]	Neonatal [1.02]	Asthma [1.47]	Congenital [0.8]	Anxiety [1.05]	Iron [3.57]	Conduct [0.99]	Skin Viral [0.89]	URI [1.28]	Falls [0.85]
Bracknell Forest	Dermatitis [1.43]	Asthma [1.38]	Neonatal [0.8]	Congenital [0.89]	Anxiety [1.04]	Conduct [1.0]	Skin Viral [0.9]	URI [1.27]	Falls [0.85]	Iron [2.17]
Brighton & Hove	Dermatitis [1.7]	Neonatal [1.12]	Asthma [1.46]	Congenital [1.1]	Iron [5.15]	Anxiety [1.03]	Conduct [1.0]	Skin Viral [0.91]	URI [1.24]	Falls [0.86]
Buckinghamshire	Dermatitis [1.43]	Neonatal [1.15]	Asthma [1.36]	Congenital [0.87]	Anxiety [1.04]	Iron [3.68]	Conduct [0.99]	Skin Viral [0.89]	URI [1.28]	Epilepsy [1.62]
E Sussex	Dermatitis [1.67]	Neonatal [1.06]	Asthma [1.22]	Congenital [0.76]	Iron [2.83]	Anxiety [1.08]	Conduct [0.98]	Skin Viral [0.86]	URI [1.31]	Falls [0.91]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Hampshire	Dermatitis [1.43]	Asthma [2.06]	Neonatal [0.99]	Iron [3.84]	Congenital [0.73]	Anxiety [1.05]	Conduct [0.98]	Skin Viral [0.88]	URI [1.29]	Falls [0.85]
Isle of Wight	Dermatitis [1.41]	Asthma [1.96]	Neonatal [0.92]	Iron [3.33]	Congenital [0.69]	Anxiety [1.08]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [0.9]
Kent	Dermatitis [1.67]	Neonatal [0.98]	Asthma [1.26]	Congenital [0.7]	Anxiety [1.07]	Iron [2.67]	Conduct [0.98]	Skin Viral [0.87]	URI [1.3]	ASD [1.55]
Medway	Dermatitis [1.44]	Neonatal [1.03]	Asthma [1.26]	Iron [2.98]	Congenital [0.78]	Anxiety [1.09]	Conduct [0.96]	Skin Viral [0.87]	URI [1.31]	Falls [0.92]
Milton Keynes	Dermatitis [1.43]	Asthma [1.41]	Neonatal [0.88]	Congenital [0.93]	Anxiety [1.04]	Conduct [0.99]	Skin Viral [0.89]	URI [1.27]	Iron [2.87]	Falls [0.9]
Oxfordshire	Dermatitis [1.87]	Neonatal [0.94]	Asthma [1.39]	Iron [5.55]	Congenital [0.85]	Anxiety [1.03]	Conduct [0.99]	Skin Viral [0.9]	URI [1.26]	Falls [0.81]
Portsmouth	Dermatitis [1.44]	Neonatal [0.97]	Asthma [1.33]	Iron [4.95]	Anxiety [1.05]	Congenital [0.74]	Conduct [0.99]	Skin Viral [0.89]	URI [1.26]	Falls [0.84]
Reading	Dermatitis [1.87]	Neonatal [1.22]	Asthma [1.47]	Congenital [0.93]	Anxiety [1.02]	Conduct [1.01]	Skin Viral [0.91]	URI [1.24]	Iron [3.78]	Falls [0.81]
Slough	Dermatitis [1.43]	Neonatal [1.06]	Asthma [1.43]	Congenital [0.89]	Anxiety [1.05]	Conduct [0.99]	Skin Viral [0.89]	URI [1.26]	Falls [0.86]	Iron [2.41]
Southampton	Dermatitis [1.43]	Neonatal [0.96]	Asthma [1.34]	Iron [4.07]	Congenital [0.75]	Anxiety [1.04]	Conduct [0.99]	Skin Viral [0.89]	URI [1.27]	Falls [0.84]
Surrey	Dermatitis [1.66]	Neonatal [1.11]	Asthma [1.4]	Congenital [0.88]	Anxiety [1.02]	Conduct [1.0]	Skin Viral [0.91]	URI [1.27]	Falls [0.81]	Iron [2.81]
West Berkshire	Dermatitis [1.43]	Neonatal [0.93]	Asthma [1.39]	Congenital [0.88]	Anxiety [1.04]	Iron [3.72]	Conduct [1.0]	Skin Viral [0.89]	URI [1.26]	Falls [0.84]
W Sussex	Dermatitis [1.48]	Neonatal [1.02]	Asthma [1.51]	Iron [4.18]	Congenital [0.73]	Anxiety [1.05]	Conduct [0.99]	Skin Viral [0.88]	URI [1.29]	Falls [0.85]
Windsor & Maidenhead	Dermatitis [1.44]	Neonatal [0.97]	Asthma [1.43]	Congenital [0.87]	Anxiety [1.02]	Conduct [1.02]	Skin Viral [0.9]	URI [1.25]	Iron [3.45]	Falls [0.8]
Wokingham	Dermatitis [1.44]	Neonatal [1.0]	Asthma [1.41]	Congenital [0.92]	Anxiety [1.02]	Iron [4.25]	Conduct [1.01]	Skin Viral [0.91]	URI [1.27]	Falls [0.83]
SW England	Dermatitis [1.43]	Neonatal [1.05]	Iron [5.7]	Asthma [1.3]	Congenital [0.73]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.88]	URI [1.29]	Falls [0.88]
Bath & NE Somerset	Dermatitis [1.43]	Neonatal [1.41]	Iron [8.02]	Asthma [1.37]	Anxiety [1.03]	Congenital [0.75]	Conduct [1.0]	Skin Viral [0.89]	URI [1.26]	Falls [0.82]
Bournemouth	Dermatitis [1.44]	Iron [7.82]	Neonatal [1.04]	Asthma [1.34]	Anxiety [1.05]	Congenital [0.72]	Conduct [0.98]	Skin Viral [0.89]	URI [1.27]	Falls [0.84]
Bristol	Dermatitis [1.44]	Neonatal [1.22]	Iron [8.25]	Asthma [1.42]	Anxiety [1.03]	Congenital [0.75]	Conduct [1.0]	Skin Viral [0.9]	URI [1.25]	Falls [0.79]
Cornwall	Dermatitis [1.44]	Iron [6.67]	Neonatal [1.03]	Asthma [1.26]	Congenital [0.7]	Anxiety [1.08]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [0.93]
Devon	Dermatitis [1.43]	Neonatal [0.95]	Asthma [1.28]	Iron [4.2]	Congenital [0.72]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.87]	URI [1.29]	Falls [0.9]
Dorset	Dermatitis [1.44]	Iron [5.78]	Neonatal [1.01]	Asthma [1.28]	Congenital [0.72]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.87]	URI [1.29]	Falls [0.91]
Gloucestershire	Dermatitis [1.43]	Neonatal [0.97]	Asthma [1.33]	Iron [3.94]	Congenital [0.78]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.88]	URI [1.28]	Falls [0.88]
N Somerset	Dermatitis [1.43]	Neonatal [1.13]	Iron [6.29]	Asthma [1.3]	Congenital [0.81]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.87]	URI [1.29]	Falls [0.89]
Plymouth	Dermatitis [1.44]	Neonatal [1.04]	Asthma [1.31]	Iron [4.17]	Congenital [0.81]	Anxiety [1.06]	Conduct [0.97]	Skin Viral [0.88]	URI [1.28]	Falls [0.91]
Poole	Dermatitis [1.43]	Neonatal [1.03]	Iron [5.41]	Asthma [1.3]	Anxiety [1.05]	Congenital [0.69]	Conduct [0.99]	Skin Viral [0.87]	URI [1.29]	Falls [0.87]
Somerset	Dermatitis [1.44]	Neonatal [1.09]	Asthma [1.24]	Anxiety [1.09]	Iron [2.52]	Congenital [0.62]	Conduct [0.97]	Skin Viral [0.87]	URI [1.31]	Falls [0.91]
S Gloucestershire	Dermatitis [1.44]	Neonatal [1.1]	Asthma [1.37]	Iron [5.57]	Congenital [0.81]	Anxiety [1.04]	Conduct [0.99]	Skin Viral [0.89]	URI [1.27]	Falls [0.83]
Swindon	Dermatitis [1.43]	Iron [8.33]	Asthma [1.35]	Neonatal [0.75]	Congenital [0.83]	Anxiety [1.05]	Conduct [0.98]	Skin Viral [0.88]	URI [1.29]	Brain C [1.05]
Torbay	Dermatitis [1.45]	Neonatal [0.85]	Iron [2.96]	Asthma [1.23]	Congenital [0.62]	Anxiety [1.11]	Conduct [0.97]	Skin Viral [0.87]	URI [1.34]	Falls [0.96]
Wiltshire	Dermatitis [1.43]	Iron [7.49]	Neonatal [1.2]	Asthma [1.27]	Anxiety [1.07]	Congenital [0.68]	Conduct [0.97]	Skin Viral [0.87]	URI [1.29]	Falls [0.88]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
W Midlands	Dermatitis [1.44]	Neonatal [0.98]	Asthma [1.33]	Congenital [0.83]	Iron [3.62]	Anxiety [1.07]	Conduct [0.98]	Skin Viral [0.87]	URI [1.29]	Falls [0.94]
Birmingham	Dermatitis [1.44]	Neonatal [0.96]	Asthma [1.35]	Congenital [0.89]	Iron [3.55]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.88]	URI [1.28]	Falls [0.97]
Coventry	Dermatitis [1.44]	Neonatal [0.93]	Asthma [1.38]	Congenital [0.83]	Anxiety [1.05]	Iron [3.23]	Conduct [0.98]	Skin Viral [0.88]	URI [1.26]	Falls [0.86]
Dudley	Dermatitis [1.45]	Neonatal [1.07]	Asthma [1.31]	Congenital [0.89]	Iron [2.44]	Anxiety [1.1]	Conduct [0.96]	Skin Viral [0.87]	URI [1.31]	Falls [1.0]
Herefordshire	Dermatitis [1.43]	Neonatal [1.01]	Asthma [1.29]	Iron [3.93]	Congenital [0.71]	Anxiety [1.07]	Conduct [0.98]	Skin Viral [0.87]	URI [1.29]	Falls [0.88]
Sandwell	Dermatitis [1.45]	Neonatal [1.06]	Asthma [1.32]	Iron [2.69]	Congenital [0.81]	Anxiety [1.1]	Conduct [0.97]	Skin Viral [0.86]	URI [1.32]	Falls [1.0]
Shropshire	Dermatitis [1.44]	Neonatal [0.98]	Asthma [1.29]	Congenital [0.77]	Anxiety [1.07]	Iron [2.82]	Conduct [0.97]	Skin Viral [0.87]	URI [1.29]	Falls [0.89]
Solihull	Dermatitis [1.43]	Asthma [1.36]	Neonatal [0.72]	Congenital [0.86]	Iron [3.96]	Anxiety [1.05]	Conduct [0.99]	Skin Viral [0.89]	URI [1.28]	Falls [0.91]
Staffordshire	Dermatitis [1.44]	Neonatal [0.95]	Iron [4.87]	Asthma [1.3]	Congenital [0.79]	Anxiety [1.07]	Conduct [0.98]	Skin Viral [0.87]	URI [1.3]	Falls [0.97]
Stoke-on-Trent	Dermatitis [1.45]	Neonatal [1.17]	Asthma [1.31]	Congenital [0.88]	Iron [2.63]	Anxiety [1.09]	Conduct [0.96]	Skin Viral [0.87]	URI [1.3]	Falls [1.09]
Telford & Wrekin	Dermatitis [1.44]	Neonatal [0.99]	Asthma [1.32]	Congenital [0.89]	Anxiety [1.08]	Iron [2.59]	Conduct [0.96]	Skin Viral [0.87]	URI [1.3]	Falls [0.95]
Walsall	Dermatitis [1.45]	Neonatal [0.98]	Asthma [1.28]	Iron [2.26]	Congenital [0.7]	Anxiety [1.1]	Conduct [0.97]	Skin Viral [0.86]	URI [1.32]	Falls [0.98]
Warwickshire	Dermatitis [1.44]	Neonatal [1.0]	Asthma [1.37]	Iron [4.97]	Congenital [0.82]	Anxiety [1.05]	Conduct [0.99]	Skin Viral [0.89]	URI [1.28]	Falls [0.88]
Wolverhampton	Dermatitis [1.44]	Asthma [1.27]	Neonatal [0.72]	Congenital [0.7]	Iron [2.44]	Anxiety [1.09]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [0.92]
Worcestershire	Dermatitis [1.44]	Neonatal [1.1]	Asthma [1.32]	Congenital [0.81]	Iron [3.6]	Anxiety [1.07]	Conduct [0.98]	Skin Viral [0.88]	URI [1.3]	Falls [0.92]
Yorkshire & Humber	Dermatitis [1.44]	Neonatal [0.92]	Asthma [1.35]	Iron [3.62]	Congenital [0.8]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.87]	URI [1.29]	Falls [0.89]
Barnsley	Dermatitis [1.45]	Neonatal [0.97]	Asthma [1.3]	Iron [2.31]	Congenital [0.73]	Anxiety [1.12]	Conduct [0.97]	Skin Viral [0.87]	URI [1.34]	Falls [0.95]
Bradford	Dermatitis [1.44]	Neonatal [1.02]	Asthma [1.3]	Iron [2.89]	Congenital [0.74]	Anxiety [1.1]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [0.93]
Calderdale	Dermatitis [1.44]	Neonatal [0.89]	Asthma [1.33]	Congenital [0.78]	Anxiety [1.08]	Conduct [0.96]	Skin Viral [0.88]	URI [1.29]	Iron [2.18]	Falls [0.9]
Doncaster	Dermatitis [1.45]	Neonatal [1.19]	Asthma [1.3]	Congenital [0.76]	Anxiety [1.11]	Iron [1.8]	Conduct [0.96]	Skin Viral [0.87]	URI [1.34]	Falls [0.96]
E Riding of Yorkshire	Dermatitis [1.44]	Neonatal [0.91]	Asthma [1.29]	Iron [3.21]	Congenital [0.66]	Anxiety [1.08]	Conduct [0.98]	Skin Viral [0.87]	URI [1.3]	Falls [0.88]
Kingston upon Hull	Dermatitis [1.44]	Asthma [1.37]	Neonatal [0.84]	Congenital [0.81]	Anxiety [1.08]	Conduct [0.97]	Iron [2.16]	Skin Viral [0.87]	URI [1.3]	Falls [0.94]
Kirklees	Dermatitis [1.44]	Asthma [1.32]	Neonatal [0.86]	Congenital [0.81]	Iron [3.18]	Anxiety [1.08]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [0.92]
Leeds	Dermatitis [1.43]	Asthma [1.43]	Neonatal [0.84]	Iron [5.7]	Congenital [0.91]	Anxiety [1.03]	Conduct [0.99]	Skin Viral [0.9]	URI [1.27]	Falls [0.84]
NE Lincolnshire	Dermatitis [1.44]	Asthma [1.35]	Neonatal [0.88]	Iron [3.3]	Congenital [0.84]	Anxiety [1.1]	Conduct [0.97]	Skin Viral [0.87]	URI [1.31]	Falls [0.94]
N Lincolnshire	Dermatitis [1.44]	Asthma [1.3]	Neonatal [0.82]	Iron [3.44]	Congenital [0.68]	Anxiety [1.09]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [0.9]
N Yorkshire	Dermatitis [1.43]	Neonatal [1.05]	Asthma [1.32]	Iron [3.75]	Congenital [0.75]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.88]	URI [1.28]	Falls [0.87]
Rotherham	Dermatitis [1.44]	Asthma [1.3]	Neonatal [0.83]	Congenital [0.82]	Iron [2.29]	Anxiety [1.1]	Conduct [0.97]	Skin Viral [0.86]	URI [1.32]	Falls [0.96]
Sheffield	Dermatitis [1.44]	Neonatal [0.97]	Asthma [1.37]	Congenital [0.81]	Iron [4.14]	Anxiety [1.05]	Conduct [0.98]	Skin Viral [0.89]	URI [1.28]	Falls [0.85]
Wakefield	Dermatitis [1.44]	Asthma [1.34]	Iron [3.62]	Neonatal [0.73]	Congenital [0.76]	Anxiety [1.09]	Conduct [0.97]	Skin Viral [0.86]	URI [1.31]	Falls [0.93]
York	Dermatitis [1.44]	Asthma [1.45]	Neonatal [0.86]	Congenital [0.89]	Anxiety [1.03]	Conduct [0.99]	Iron [3.89]	Skin Viral [0.9]	URI [1.26]	Falls [0.82]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
N Ireland	Dermatitis [1.19]	Anxiety [1.71]	Neonatal [0.84]	Asthma [1.15]	Congenital [0.75]	Skin Viral [0.94]	Conduct [0.88]	URI [1.27]	Falls [0.87]	Headaches [0.97]
Scotland	Dermatitis [1.29]	Asthma [1.24]	Iron [3.4]	Neonatal [0.79]	Congenital [0.82]	Anxiety [1.17]	Skin Viral [0.93]	Conduct [0.95]	Vit A [1.78]	URI [1.3]
Wales	Dermatitis [1.2]	Neonatal [0.81]	Asthma [1.17]	Iron [3.27]	Congenital [0.72]	Anxiety [1.19]	Skin Viral [1.01]	Conduct [0.95]	URI [1.31]	Falls [1.05]
Latin America and Caribbean	Neonatal [1.15]	Asthma [1.28]	Road Inj [0.48]	Dermatitis [0.9]	Congenital [0.6]	Vit A [0.94]	Iron [0.72]	Diarrhea [1.3]	LRI [0.58]	Leukemia [0.68]
Andean Latin America	Asthma [1.6]	Road Inj [0.68]	Dermatitis [1.48]	Iron [1.31]	Neonatal [1.09]	LRI [1.04]	Congenital [0.55]	Leukemia [0.93]	Vit A [0.77]	Diarrhea [1.2]
Bolivia	Iron [1.64]	Asthma [1.78]	Road Inj [0.7]	Dermatitis [1.58]	LRI [0.81]	Neonatal [1.07]	Diarrhea [1.11]	Congenital [0.55]	Leukemia [0.92]	Vit A [0.63]
Ecuador	Road Inj [0.97]	Asthma [1.48]	Neonatal [1.12]	Dermatitis [1.3]	LRI [0.98]	Congenital [0.59]	Leukemia [1.04]	Diarrhea [1.27]	Epilepsy [1.11]	Drown [0.47]
Peru	Iron [1.63]	Dermatitis [1.54]	Asthma [1.58]	Neonatal [1.1]	LRI [1.09]	Road Inj [0.51]	Vit A [1.0]	Congenital [0.53]	Leukemia [0.86]	F Body [2.18]
Caribbean	Road Inj [0.96]	Iron [1.84]	Asthma [1.85]	Dermatitis [1.15]	Neonatal [0.93]	Congenital [0.71]	Drown [0.73]	Vit A [1.02]	Disaster [169.05]	LRI [0.74]
Antigua	Iron [4.36]	Asthma [1.97]	Dermatitis [1.08]	Neonatal [0.96]	Drown [1.23]	Congenital [0.63]	Vit A [0.97]	Epilepsy [1.17]	Road Inj [0.32]	Skin Viral [0.8]
Bahamas	Asthma [2.13]	Dermatitis [1.07]	Neonatal [0.96]	Drown [1.61]	Congenital [0.69]	Road Inj [0.62]	Iron [1.35]	Skin Viral [0.8]	Anxiety [0.85]	Diarrhea [1.46]
Barbados	Asthma [1.85]	Neonatal [1.04]	Dermatitis [1.05]	Congenital [0.62]	Iron [1.04]	Skin Viral [0.8]	Anxiety [0.86]	Headaches [1.31]	Epilepsy [0.94]	Road Inj [0.3]
Belize	Iron [1.58]	Asthma [1.84]	Neonatal [1.02]	Dermatitis [1.21]	Road Inj [0.36]	Drown [0.53]	Congenital [0.45]	LRI [0.38]	Vit A [0.48]	Diarrhea [0.63]
Bermuda	Asthma [2.53]	Dermatitis [1.03]	Neonatal [0.98]	Congenital [0.56]	Skin Viral [0.79]	Anxiety [0.79]	Iron [1.57]	Headaches [1.33]	Diarrhea [1.71]	Conduct [0.68]
Cuba	Asthma [1.96]	Dermatitis [1.11]	Neonatal [0.92]	Iron [1.31]	Congenital [0.52]	Skin Viral [0.81]	Road Inj [0.27]	Anxiety [0.91]	Headaches [1.3]	Drown [0.42]
Dominica	Iron [2.17]	Asthma [1.91]	Neonatal [1.1]	Dermatitis [1.11]	Congenital [0.75]	Road Inj [0.52]	Drown [0.92]	Epilepsy [1.31]	Leukemia [0.82]	Vit A [0.78]
Dominican Rep	Iron [1.37]	Road Inj [0.6]	Asthma [1.36]	Neonatal [1.03]	Dermatitis [1.21]	Congenital [0.62]	Diarrhea [0.97]	Vit A [0.61]	LRI [0.45]	Violence [1.7]
Grenada	Asthma [1.58]	Neonatal [1.06]	Dermatitis [1.15]	Iron [0.96]	Drown [0.72]	Vit A [0.96]	Congenital [0.54]	LRI [0.62]	Diarrhea [1.12]	Road Inj [0.25]
Guyana	Iron [1.41]	Asthma [1.7]	Neonatal [1.1]	Dermatitis [1.22]	Drown [0.63]	Road Inj [0.35]	Congenital [0.51]	Vit A [0.69]	LRI [0.47]	Diarrhea [0.77]
Haiti	Road Inj [1.13]	Iron [1.22]	Asthma [1.74]	Drown [0.75]	Vit A [0.74]	Congenital [0.75]	LRI [0.38]	Dermatitis [1.2]	HIV [6.94]	Neonatal [1.08]
Jamaica	Asthma [1.96]	Neonatal [1.02]	Dermatitis [1.12]	Congenital [0.62]	Iron [0.99]	Vit A [0.89]	Road Inj [0.3]	Epilepsy [0.98]	Skin Viral [0.81]	Anxiety [0.93]
Puerto Rico	Disaster [6687.47]	Asthma [3.09]	Neonatal [1.04]	Dermatitis [1.03]	Congenital [0.6]	Iron [2.02]	Vit A [1.84]	Skin Viral [0.79]	Anxiety [0.78]	Headaches [1.32]
St Lucia	Asthma [1.87]	Neonatal [1.08]	Dermatitis [1.14]	Iron [0.88]	Congenital [0.48]	Drown [0.52]	Road Inj [0.3]	Diarrhea [1.13]	Vit A [0.61]	Epilepsy [0.86]
St Vincent	Iron [1.79]	Asthma [1.75]	Neonatal [1.03]	Dermatitis [1.19]	Drown [0.63]	Congenital [0.53]	Vit A [0.67]	Epilepsy [0.84]	Diarrhea [0.7]	Road Inj [0.21]
Suriname	Asthma [1.91]	Iron [1.55]	Neonatal [1.02]	Dermatitis [1.15]	Road Inj [0.4]	Congenital [0.53]	Vit A [0.84]	Drown [0.52]	Diarrhea [1.09]	Epilepsy [0.93]
Trinidad Tobago	Asthma [2.14]	Neonatal [1.04]	Dermatitis [1.1]	Road Inj [0.54]	Congenital [0.68]	Leukemia [0.67]	Skin Viral [0.8]	Anxiety [0.9]	Epilepsy [0.92]	Headaches [1.3]
Virgin Isl US	Asthma [2.26]	Neonatal [1.0]	Dermatitis [1.03]	Congenital [0.74]	Disaster [480.83]	Iron [2.2]	Diarrhea [2.11]	Road Inj [0.54]	Drown [1.23]	Skin Viral [0.79]
Central Latin America	Neonatal [1.37]	Congenital [0.57]	Diarrhea [1.39]	Asthma [0.88]	Road Inj [0.37]	Dermatitis [0.81]	Epilepsy [1.21]	Vit A [0.69]	Leukemia [0.75]	Violence [1.72]
Colombia	Neonatal [1.37]	Dermatitis [0.89]	Asthma [0.89]	Diarrhea [1.36]	Road Inj [0.34]	Congenital [0.47]	Epilepsy [1.22]	Leukemia [0.76]	Drown [0.36]	Skin Viral [0.83]
Costa Rica	Neonatal [1.27]	Asthma [1.28]	Dermatitis [0.83]	Diarrhea [1.65]	Congenital [0.5]	Road Inj [0.32]	Epilepsy [1.07]	Skin Viral [0.82]	Conduct [0.81]	Vit A [0.48]
El Salvador	Neonatal [1.39]	Iron [1.16]	Vit A [1.07]	Asthma [1.11]	Diarrhea [1.14]	Congenital [0.53]	Road Inj [0.34]	Dermatitis [0.82]	Epilepsy [0.93]	LRI [0.36]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Guatemala	Diarrhea [1.41]	LRI [0.85]	Neonatal [1.46]	Iron [0.71]	Dermatitis [1.07]	Congenital [0.45]	Asthma [0.73]	Road Inj [0.22]	Epilepsy [0.86]	Vit A [0.39]
Honduras	Diarrhea [1.12]	Iron [0.88]	Neonatal [1.58]	Violence [2.95]	Asthma [1.14]	Road Inj [0.34]	Dermatitis [1.06]	Vit A [0.6]	Leukemia [0.87]	Epilepsy [1.11]
Mexico	Neonatal [1.38]	Congenital [0.63]	Road Inj [0.39]	Vit A [0.83]	Asthma [0.81]	Epilepsy [1.32]	Leukemia [0.82]	Dermatitis [0.66]	Violence [1.94]	Conduct [0.87]
Aguascalientes	Neonatal [1.36]	Asthma [0.91]	Congenital [0.55]	Epilepsy [1.34]	Dermatitis [0.65]	Road Inj [0.32]	Vit A [0.68]	Leukemia [0.62]	Conduct [0.87]	Skin Viral [0.81]
Baja CA	Neonatal [1.34]	Vit A [1.1]	Congenital [0.52]	Asthma [0.78]	Epilepsy [1.25]	Dermatitis [0.65]	Road Inj [0.28]	Violence [1.9]	Leukemia [0.62]	Conduct [0.87]
Baja CA Sur	Neonatal [1.42]	Road Inj [0.52]	Congenital [0.66]	Vit A [1.09]	Asthma [0.88]	Epilepsy [1.33]	Dermatitis [0.65]	Leukemia [0.8]	Violence [1.81]	Conduct [0.87]
Campeche	Neonatal [1.51]	Vit A [0.97]	Congenital [0.55]	Asthma [0.8]	Road Inj [0.32]	Epilepsy [1.16]	Dermatitis [0.68]	Leukemia [0.75]	Iron [0.51]	Violence [1.49]
Chiapas	Neonatal [1.45]	Leukemia [1.25]	Congenital [0.65]	Diarrhea [0.73]	Epilepsy [1.34]	Vit A [0.62]	Road Inj [0.28]	Asthma [0.75]	LRI [0.31]	Dermatitis [0.7]
Chihuahua	Neonatal [1.27]	Road Inj [0.48]	Congenital [0.62]	Asthma [0.92]	Epilepsy [1.32]	Violence [2.52]	Leukemia [0.7]	Dermatitis [0.56]	Vit A [0.61]	Conduct [0.87]
Coahuila	Neonatal [1.16]	Road Inj [0.42]	Congenital [0.58]	Asthma [0.91]	Epilepsy [1.31]	Dermatitis [0.66]	Vit A [0.72]	Leukemia [0.74]	Diarrhea [1.01]	Iron [0.5]
Colima	Neonatal [1.45]	Road Inj [0.51]	Congenital [0.65]	Vit A [0.98]	Asthma [0.85]	Epilepsy [1.37]	Dermatitis [0.65]	Violence [2.35]	Leukemia [0.72]	Conduct [0.87]
Mexico City	Neonatal [1.45]	Congenital [0.84]	Dermatitis [0.81]	Epilepsy [1.69]	Leukemia [1.15]	Asthma [0.82]	Road Inj [0.42]	Violence [2.88]	Vit A [0.77]	Skin Viral [0.8]
Durango	Neonatal [1.22]	Dermatitis [0.88]	Asthma [0.89]	Road Inj [0.34]	Vit A [0.79]	Congenital [0.48]	Epilepsy [1.19]	Violence [1.77]	Conduct [0.87]	Skin Viral [0.83]
Guanajuato	Neonatal [1.25]	Road Inj [0.43]	Vit A [1.01]	Congenital [0.59]	Asthma [0.86]	Epilepsy [1.3]	Dermatitis [0.68]	Leukemia [0.76]	Conduct [0.88]	Violence [1.47]
Guerrero	Neonatal [1.49]	Violence [3.09]	Road Inj [0.43]	Congenital [0.62]	Vit A [0.67]	Asthma [0.77]	Epilepsy [1.13]	Leukemia [0.77]	Dermatitis [0.71]	Diarrhea [0.48]
Hidalgo	Neonatal [1.72]	Congenital [0.59]	Road Inj [0.36]	Epilepsy [1.31]	Asthma [0.82]	Leukemia [0.76]	Vit A [0.6]	Dermatitis [0.7]	Violence [1.44]	Conduct [0.9]
Jalisco	Neonatal [1.31]	Road Inj [0.54]	Congenital [0.69]	Epilepsy [1.53]	Leukemia [0.98]	Asthma [0.77]	Vit A [0.8]	Dermatitis [0.66]	Violence [1.88]	Conduct [0.87]
Mexico	Neonatal [1.63]	Congenital [0.57]	Epilepsy [1.27]	Vit A [0.79]	Asthma [0.75]	Road Inj [0.31]	Violence [2.04]	Leukemia [0.7]	Dermatitis [0.57]	Conduct [0.87]
Michoacan	Neonatal [1.2]	Road Inj [0.47]	Congenital [0.61]	Vit A [0.74]	Asthma [0.83]	Leukemia [0.8]	Epilepsy [1.15]	Violence [1.95]	Dermatitis [0.7]	Conduct [0.9]
Morelos	Neonatal [1.34]	Congenital [0.67]	Vit A [0.85]	Epilepsy [1.32]	Asthma [0.77]	Road Inj [0.33]	Violence [2.19]	Leukemia [0.77]	Dermatitis [0.57]	Disaster [118.29]
Nayarit	Neonatal [1.47]	Road Inj [0.62]	Congenital [0.66]	Vit A [0.95]	Asthma [0.83]	Epilepsy [1.27]	Violence [2.21]	Leukemia [0.8]	Dermatitis [0.67]	Conduct [0.88]
Nuevo Leon	Neonatal [1.1]	Vit A [1.34]	Congenital [0.63]	Asthma [0.79]	Epilepsy [1.36]	Road Inj [0.32]	Dermatitis [0.55]	Leukemia [0.77]	Violence [1.92]	Conduct [0.86]
Oaxaca	Neonatal [1.42]	Congenital [0.74]	Road Inj [0.36]	Epilepsy [1.38]	Leukemia [0.93]	Violence [2.25]	Asthma [0.78]	Diarrhea [0.66]	Dermatitis [0.71]	Vit A [0.51]
Puebla	Neonatal [1.32]	Congenital [0.71]	Road Inj [0.4]	Leukemia [1.01]	Asthma [0.82]	Vit A [0.61]	Dermatitis [0.7]	Epilepsy [1.05]	Violence [1.56]	Disaster [74.38]
Queretaro	Neonatal [1.44]	Road Inj [0.49]	Congenital [0.68]	Asthma [0.88]	Epilepsy [1.35]	Dermatitis [0.66]	Leukemia [0.77]	Vit A [0.62]	Conduct [0.87]	Violence [1.59]
Quintana Roo	Neonatal [1.73]	Vit A [1.11]	Congenital [0.64]	Road Inj [0.4]	Asthma [0.81]	Iron [0.67]	Epilepsy [1.26]	Leukemia [0.81]	Dermatitis [0.67]	Diarrhea [0.96]
San Luis Potosi	Neonatal [1.19]	Congenital [0.62]	Road Inj [0.37]	Asthma [0.85]	Epilepsy [1.35]	Vit A [0.83]	Dermatitis [0.68]	Leukemia [0.65]	Violence [1.6]	Conduct [0.88]
Sinaloa	Neonatal [1.24]	Road Inj [0.53]	Vit A [1.05]	Congenital [0.59]	Asthma [0.85]	Epilepsy [1.29]	Dermatitis [0.66]	Violence [2.28]	Leukemia [0.64]	Iron [0.48]
Sonora	Neonatal [1.21]	Road Inj [0.56]	Congenital [0.65]	Asthma [0.89]	Vit A [0.97]	Epilepsy [1.39]	Leukemia [0.91]	Dermatitis [0.66]	Violence [2.01]	Iron [0.51]
Tabasco	Neonatal [1.49]	Road Inj [0.48]	Congenital [0.69]	Vit A [1.04]	Iron [0.77]	Leukemia [0.98]	Epilepsy [1.26]	Asthma [0.75]	Dermatitis [0.67]	Diarrhea [0.78]
Tamaulipas	Neonatal [1.52]	Congenital [0.59]	Road Inj [0.41]	Asthma [0.84]	Vit A [0.88]	Epilepsy [1.24]	Violence [2.0]	Dermatitis [0.55]	Leukemia [0.67]	Diarrhea [0.92]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Tlaxcala	Neonatal [1.48]	Congenital [0.58]	Asthma [0.84]	Road Inj [0.34]	Vit A [0.77]	Epilepsy [1.28]	Dermatitis [0.69]	Leukemia [0.73]	Conduct [0.88]	Violence [1.37]
Veracruz	Neonatal [1.48]	Congenital [0.58]	Vit A [0.74]	Epilepsy [1.23]	Asthma [0.78]	Dermatitis [0.7]	Leukemia [0.66]	Violence [1.48]	Road Inj [0.19]	Conduct [0.89]
Yucatan	Neonatal [1.27]	Congenital [0.61]	Asthma [0.78]	Epilepsy [1.28]	Vit A [0.77]	Leukemia [0.77]	Dermatitis [0.63]	Road Inj [0.26]	Iron [0.51]	Conduct [0.87]
Zacatecas	Road Inj [0.61]	Neonatal [0.95]	Congenital [0.56]	Asthma [0.87]	Epilepsy [1.33]	Vit A [0.71]	Dermatitis [0.68]	Leukemia [0.62]	Violence [1.61]	Conduct [0.88]
Nicaragua	Neonatal [1.47]	Diarrhea [0.78]	Dermatitis [1.07]	Asthma [0.83]	Congenital [0.42]	Epilepsy [0.85]	Road Inj [0.18]	Leukemia [0.5]	Iron [0.26]	Skin Viral [0.87]
Panama	Neonatal [1.25]	Diarrhea [2.99]	Asthma [1.27]	Dermatitis [1.1]	Iron [1.17]	Congenital [0.61]	Road Inj [0.35]	Vit A [0.71]	Epilepsy [0.99]	LRI [0.71]
Venezuela	Neonatal [1.36]	Diarrhea [2.8]	Road Inj [0.49]	Dermatitis [0.95]	Congenital [0.63]	Asthma [0.97]	Epilepsy [1.14]	Leukemia [0.69]	Vit A [0.62]	LRI [0.53]
Tropical Latin America	Asthma [1.6]	Vit A [1.38]	Neonatal [0.91]	Congenital [0.66]	Road Inj [0.44]	Dermatitis [0.77]	Iron [0.74]	Headaches [1.67]	Diarrhea [1.08]	Anxiety [1.06]
Brazil	Asthma [1.6]	Vit A [1.42]	Neonatal [0.92]	Congenital [0.67]	Road Inj [0.46]	Dermatitis [0.75]	Iron [0.75]	Headaches [1.66]	Diarrhea [1.07]	Anxiety [1.05]
Acre	Iron [1.07]	Asthma [1.37]	Neonatal [0.99]	Vit A [1.07]	Congenital [0.69]	Road Inj [0.42]	LRI [0.56]	Dermatitis [0.8]	Drown [0.46]	Diarrhea [0.95]
Alagoas	Vit A [1.22]	Asthma [1.23]	Road Inj [0.42]	Neonatal [0.85]	Congenital [0.54]	Diarrhea [0.61]	LRI [0.35]	Dermatitis [0.68]	Iron [0.36]	Drown [0.31]
Amapa	Drown [1.25]	Asthma [1.52]	Neonatal [0.96]	Road Inj [0.54]	Congenital [0.73]	Iron [1.0]	Vit A [1.04]	LRI [0.99]	Dermatitis [0.76]	Headaches [1.67]
Amazonas	Asthma [1.47]	Vit A [1.33]	Iron [1.1]	Congenital [0.69]	Neonatal [0.82]	Drown [0.7]	Road Inj [0.36]	Dermatitis [0.78]	LRI [0.59]	Headaches [1.68]
Bahia	Vit A [1.46]	Asthma [1.31]	Iron [0.82]	Neonatal [0.91]	Dermatitis [1.09]	Congenital [0.56]	Road Inj [0.36]	Diarrhea [0.87]	Drown [0.42]	LRI [0.36]
Ceara	Vit A [1.51]	Asthma [1.39]	Neonatal [0.86]	Road Inj [0.41]	Congenital [0.59]	Dermatitis [0.81]	Diarrhea [0.85]	Drown [0.34]	Headaches [1.7]	LRI [0.37]
Distrito Federal	Asthma [1.95]	Neonatal [1.01]	Road Inj [1.1]	Congenital [1.06]	Dermatitis [0.69]	Vit A [1.85]	Headaches [1.68]	Anxiety [0.9]	Skin Viral [0.79]	Brain C [1.11]
Espirito Santo	Asthma [1.86]	Vit A [2.01]	Neonatal [0.9]	Congenital [0.78]	Road Inj [0.52]	Iron [1.0]	Dermatitis [0.75]	Drown [0.53]	Headaches [1.66]	Anxiety [1.04]
Goias	Asthma [1.62]	Road Inj [0.58]	Neonatal [0.83]	Vit A [1.16]	Congenital [0.65]	Dermatitis [0.77]	Iron [0.66]	Headaches [1.68]	Anxiety [1.07]	Diarrhea [0.95]
Maranhao	Vit A [1.09]	Asthma [1.16]	Iron [0.55]	Road Inj [0.35]	Neonatal [0.95]	Congenital [0.54]	Dermatitis [0.81]	Diarrhea [0.37]	LRI [0.22]	Drown [0.26]
Mato Grosso	Asthma [1.71]	Road Inj [0.59]	Vit A [1.35]	Neonatal [0.87]	Congenital [0.63]	Dermatitis [0.76]	Headaches [1.67]	Drown [0.48]	Diarrhea [1.07]	Anxiety [1.06]
Mato Grosso do Sul	Asthma [1.56]	Neonatal [1.0]	Road Inj [0.5]	Congenital [0.67]	Vit A [0.98]	Dermatitis [0.77]	Headaches [1.68]	Diarrhea [1.04]	Anxiety [1.07]	LRI [0.51]
Minas Gerais	Asthma [1.69]	Neonatal [0.96]	Vit A [1.31]	Congenital [0.64]	Road Inj [0.45]	Dermatitis [0.65]	Headaches [1.66]	Diarrhea [1.08]	Iron [0.55]	Anxiety [1.06]
Para	Asthma [1.38]	Vit A [0.99]	Iron [0.79]	Neonatal [0.88]	Congenital [0.55]	Diarrhea [0.97]	Road Inj [0.33]	Dermatitis [0.83]	Drown [0.45]	LRI [0.47]
Paraiba	Vit A [1.52]	Asthma [1.3]	Road Inj [0.42]	Congenital [0.61]	Neonatal [0.82]	Diarrhea [0.86]	Dermatitis [0.82]	LRI [0.36]	Drown [0.34]	Headaches [1.74]
Parana	Asthma [1.83]	Neonatal [0.94]	Congenital [0.72]	Road Inj [0.53]	Vit A [1.18]	Dermatitis [0.67]	Headaches [1.67]	Anxiety [1.03]	Diarrhea [1.1]	Skin Viral [0.8]
Pernambuco	Vit A [1.4]	Asthma [1.43]	Iron [1.05]	Congenital [0.67]	Neonatal [0.86]	Road Inj [0.37]	Dermatitis [0.79]	LRI [0.38]	Headaches [1.69]	Diarrhea [0.68]
Piaui	Asthma [1.31]	Road Inj [0.46]	Vit A [0.83]	Congenital [0.65]	Neonatal [0.98]	Dermatitis [0.83]	Diarrhea [0.61]	Drown [0.35]	LRI [0.31]	Headaches [1.78]
Rio de Janeiro	Asthma [1.68]	Neonatal [1.14]	Congenital [0.7]	Dermatitis [0.73]	Road Inj [0.38]	Headaches [1.67]	Vit A [0.84]	LRI [1.03]	Anxiety [0.99]	Skin Viral [0.79]
Rio Grande do Norte	Asthma [1.39]	Vit A [1.12]	Neonatal [0.79]	Iron [0.69]	Congenital [0.54]	Dermatitis [0.8]	Diarrhea [0.98]	Road Inj [0.29]	Headaches [1.69]	LRI [0.4]
Rio Grande do Sul	Asthma [1.88]	Congenital [1.01]	Neonatal [0.96]	Dermatitis [0.98]	Epilepsy [1.58]	Vit A [1.01]	Road Inj [0.38]	Back Pain [3.24]	Headaches [1.71]	Anxiety [1.01]
Rondonia	Asthma [1.44]	Congenital [0.83]	Neonatal [1.01]	Road Inj [0.53]	Vit A [1.09]	Iron [0.71]	Dermatitis [0.79]	Drown [0.47]	Headaches [1.68]	LRI [0.45]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Roraima	Road Inj [0.77]	Asthma [1.48]	Neonatal [1.01]	Vit A [1.38]	Congenital [0.78]	Drown [0.74]	Iron [0.83]	LRI [0.88]	Dermatitis [0.77]	Headaches [1.67]
Santa Catarina	Asthma [1.99]	Road Inj [0.76]	Vit A [1.63]	Congenital [0.79]	Neonatal [0.86]	Iron [1.1]	Dermatitis [0.74]	Headaches [2.07]	Anxiety [1.01]	Skin Viral [0.79]
Sao Paulo	Asthma [1.84]	Neonatal [0.98]	Vit A [1.26]	Congenital [0.62]	Dermatitis [0.63]	Road Inj [0.37]	Headaches [1.6]	Anxiety [0.97]	Iron [0.74]	Skin Viral [0.79]
Sergipe	Vit A [1.59]	Asthma [1.51]	Neonatal [1.0]	Road Inj [0.45]	Congenital [0.57]	Iron [0.59]	Dermatitis [0.66]	Headaches [1.69]	Drown [0.35]	Anxiety [1.13]
Tocantins	Road Inj [0.77]	Asthma [1.42]	Neonatal [0.98]	Vit A [1.09]	Congenital [0.68]	Leish [223.65]	Dermatitis [0.8]	Drown [0.49]	Iron [0.5]	Headaches [1.69]
Paraguay	Asthma [1.62]	Dermatitis [1.05]	Iron [0.82]	Neonatal [0.78]	Diarrhea [1.46]	Congenital [0.58]	Vit A [0.89]	Road Inj [0.32]	Headaches [1.72]	Anxiety [1.14]
North Africa and Middle East	Conflict Terror [1335.19]	Road Inj [1.08]	Iron [1.81]	Congenital [0.92]	Neonatal [0.96]	Asthma [1.0]	Vit A [1.04]	LRI [0.92]	Diarrhea [1.44]	Dermatitis [0.7]
Afghanistan	LRI [0.47]	Road Inj [0.49]	Meningitis [0.6]	Congenital [0.79]	Vit A [0.47]	Measles [0.25]	Drown [0.44]	Iron [0.38]	Falls [1.78]	Asthma [1.04]
Algeria	Road Inj [1.41]	Congenital [1.19]	Neonatal [1.07]	Asthma [1.13]	Iron [1.1]	Dermatitis [0.68]	Vit A [0.98]	Conduct [1.07]	Epilepsy [1.11]	LRI [0.89]
Bahrain	Neonatal [1.03]	Road Inj [0.77]	Dermatitis [0.9]	Asthma [1.06]	Congenital [0.63]	Diarrhea [1.71]	Conduct [1.06]	Hemog [3.44]	Vit A [0.8]	Epilepsy [1.07]
Egypt	Road Inj [1.06]	LRI [1.29]	Iron [1.38]	Congenital [0.89]	Neonatal [1.04]	Asthma [1.2]	Diarrhea [1.06]	Conduct [1.1]	Dermatitis [0.57]	Epilepsy [0.88]
Iran	Road Inj [1.73]	Neonatal [1.24]	Congenital [1.04]	Iron [1.1]	Asthma [0.85]	Diarrhea [1.83]	Anxiety [1.26]	Conduct [1.12]	Epilepsy [1.21]	Dermatitis [0.54]
Iraq	Conflict Terror [3235.72]	Iron [1.59]	Road Inj [0.73]	Congenital [1.07]	Neonatal [1.12]	Vit A [0.97]	Asthma [0.94]	Mech [2.34]	Violence [2.21]	Oth Unint [3.3]
Jordan	Neonatal [1.39]	Road Inj [0.98]	Congenital [0.97]	Asthma [1.27]	Iron [1.23]	Vit A [1.07]	Dermatitis [0.68]	Conduct [1.06]	Diarrhea [1.24]	Anxiety [0.97]
Kuwait	Neonatal [1.16]	Road Inj [1.03]	Congenital [1.01]	Asthma [1.28]	Iron [2.31]	Dermatitis [0.67]	Diarrhea [2.22]	Conduct [1.06]	Anxiety [0.87]	Epilepsy [1.17]
Lebanon	Neonatal [1.03]	Asthma [1.4]	Congenital [0.73]	Dermatitis [0.8]	Iron [1.26]	Diarrhea [1.78]	Anxiety [1.11]	Conduct [1.02]	Conflict Terror [520.3]	Leukemia [0.77]
Libya	Conflict Terror [3712.72]	Road Inj [1.32]	Congenital [1.3]	Iron [2.54]	Neonatal [1.03]	Dermatitis [0.87]	Diarrhea [3.02]	Asthma [1.08]	Leukemia [1.22]	Conduct [1.06]
Morocco	Road Inj [0.93]	Congenital [1.08]	Iron [1.11]	Vit A [1.24]	Neonatal [1.06]	Dermatitis [0.82]	Asthma [0.76]	Diarrhea [0.74]	LRI [0.4]	Conduct [1.11]
Palestine	Neonatal [1.14]	Road Inj [0.43]	Iron [0.58]	Congenital [0.58]	Asthma [0.93]	Dermatitis [0.79]	Vit A [0.47]	Conduct [1.13]	Epilepsy [0.76]	Diarrhea [0.4]
Oman	Road Inj [1.99]	Iron [2.35]	Neonatal [1.07]	Asthma [0.93]	Congenital [0.62]	Diarrhea [2.21]	Dermatitis [0.6]	Conduct [1.06]	Anxiety [0.91]	Epilepsy [1.08]
Qatar	Road Inj [1.24]	Neonatal [0.97]	Congenital [0.97]	Dermatitis [0.87]	Asthma [0.93]	Iron [1.36]	Conduct [1.06]	Anxiety [0.89]	Skin Viral [0.78]	Epilepsy [1.09]
Saudi Arabia	Dermatitis [0.85]	Congenital [0.85]	Neonatal [0.73]	Road Inj [0.76]	Conflict Terror [1131.51]	Asthma [0.84]	Diarrhea [2.25]	Conduct [1.07]	Anxiety [0.88]	Skin Viral [0.78]
Sudan	Road Inj [1.18]	Iron [1.09]	Congenital [0.92]	Diarrhea [0.61]	Vit A [0.7]	Asthma [0.95]	Neonatal [0.86]	LRI [0.29]	Hemog [1.42]	Dermatitis [0.72]
Syria	Conflict Terror [12320.41]	Iron [1.53]	Neonatal [0.93]	Congenital [0.59]	Asthma [0.94]	Road Inj [0.33]	Vit A [0.7]	LRI [0.52]	Conduct [1.08]	Leukemia [0.62]
Tunisia	Road Inj [0.7]	Neonatal [1.03]	Congenital [0.61]	Dermatitis [0.79]	Asthma [0.84]	Mech [2.32]	Conduct [1.07]	Diarrhea [1.1]	Anxiety [1.0]	Skin Viral [0.79]
Turkey	Road Inj [0.68]	Congenital [0.77]	Neonatal [0.75]	Iron [1.24]	Asthma [0.9]	Vit A [1.24]	Dermatitis [0.61]	Epilepsy [1.38]	Conduct [1.04]	Diarrhea [1.58]
UAE	Road Inj [1.51]	Congenital [1.2]	Neonatal [1.02]	Asthma [1.43]	Iron [3.32]	Dermatitis [0.85]	Diarrhea [2.45]	Conduct [1.02]	Epilepsy [1.41]	Anxiety [0.82]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Yemen	Iron [3.47]	Conflict Terror [682.95]	Road Inj [1.17]	Vit A [1.37]	Diarrhea [0.5]	Congenital [0.63]	Neonatal [1.29]	Dermatitis [0.97]	Hemog [1.5]	Oth NTD [1.51]
South Asia	Iron [1.96]	Typh + Paratyph [39.04]	Vit A [1.56]	Diarrhea [1.67]	Neonatal [1.5]	LRI [0.61]	Drown [0.64]	Malaria [88.37]	Congenital [0.64]	Road Inj [0.32]
Bangladesh	Typh + Paratyph [14.34]	Drown [1.55]	Iron [0.99]	Diarrhea [0.62]	LRI [0.48]	Neonatal [1.56]	Congenital [0.7]	Vit A [0.48]	Road Inj [0.28]	Dermatitis [0.89]
Bhutan	Iron [3.55]	Vit A [1.46]	Neonatal [1.33]	Diarrhea [1.29]	Typh + Paratyph [29.07]	Congenital [0.65]	LRI [0.49]	Dermatitis [0.9]	Malaria [103.05]	Encepha [1.98]
India	Iron [2.09]	Typh + Paratyph [53.8]	Vit A [1.89]	Diarrhea [1.96]	Neonatal [1.52]	LRI [0.64]	Malaria [121.43]	Congenital [0.6]	Drown [0.47]	ID [6.37]
Andhra Pradesh	Iron [1.62]	Typh + Paratyph [27.99]	Vit A [1.51]	Neonatal [1.69]	Diarrhea [0.68]	Congenital [0.44]	ID [5.32]	Malaria [42.81]	Dermatitis [0.52]	Skin Viral [0.85]
Arunachal Pradesh	Iron [1.78]	Vit A [1.71]	Neonatal [1.59]	Typh + Paratyph [34.03]	Malaria [189.29]	Diarrhea [1.1]	Congenital [0.47]	LRI [0.38]	Drown [0.29]	ID [5.2]
Assam	Malaria [205.55]	Iron [1.47]	Typh + Paratyph [28.8]	Diarrhea [1.68]	Vit A [1.47]	Neonatal [1.47]	Drown [0.72]	LRI [0.6]	Hep [6.38]	Congenital [0.59]
Bihar	Diarrhea [1.87]	Iron [1.46]	Vit A [1.35]	Typh + Paratyph [4.65]	LRI [0.64]	Neonatal [1.79]	Drown [0.53]	Encepha [3.38]	Animal [5.89]	Congenital [0.52]
Chhattisgarh	Typh + Paratyph [31.78]	Diarrhea [1.81]	Iron [1.33]	Malaria [98.48]	Drown [0.94]	LRI [0.77]	Vit A [1.12]	Neonatal [1.59]	Congenital [0.59]	Road Inj [0.3]
Delhi	Iron [6.17]	Typh + Paratyph [2464.07]	Vit A [3.26]	Neonatal [1.46]	Diarrhea [2.65]	Congenital [0.65]	LRI [1.53]	Leukemia [0.86]	Dengue [94.83]	Road Inj [0.33]
Goa	Neonatal [1.8]	Vit A [3.35]	Congenital [0.88]	Diarrhea [2.45]	Drown [1.17]	LRI [1.75]	Epilepsy [1.25]	Dermatitis [0.46]	Road Inj [0.34]	Skin Viral [0.79]
Gujarat	Iron [3.69]	Vit A [2.16]	Typh + Paratyph [78.64]	Neonatal [1.53]	Malaria [269.63]	Diarrhea [1.34]	Congenital [0.61]	LRI [0.49]	Hemog [1.72]	ID [5.12]
Haryana	Iron [4.72]	Typh + Paratyph [187.72]	Vit A [2.53]	Neonatal [1.51]	Diarrhea [1.17]	Congenital [0.53]	Malaria [142.96]	LRI [0.44]	Hemog [2.1]	Oth NTD [6.06]
Himachal Pradesh	Iron [5.53]	Vit A [2.49]	Typh + Paratyph [254.29]	Neonatal [1.63]	Congenital [0.6]	Diarrhea [1.5]	LRI [0.58]	Hemog [2.2]	Dermatitis [0.49]	ID [5.11]
Jammu & Kashmir	Iron [1.95]	Vit A [2.1]	Neonatal [1.51]	Typh + Paratyph [52.65]	Congenital [0.77]	Diarrhea [1.5]	LRI [0.77]	Road Inj [0.4]	Drown [0.46]	ID [6.22]
Jharkhand	Diarrhea [1.99]	Iron [1.8]	Vit A [1.55]	Typh + Paratyph [10.58]	Malaria [48.0]	Drown [0.91]	LRI [0.61]	Neonatal [1.7]	Congenital [0.73]	Road Inj [0.31]
Karnataka	Iron [1.84]	Vit A [1.92]	Neonatal [1.77]	Typh + Paratyph [43.18]	Congenital [0.82]	Diarrhea [1.29]	Drown [0.52]	LRI [0.36]	Epilepsy [0.91]	ID [5.35]
Kerala	Neonatal [2.01]	Vit A [2.41]	Iron [1.54]	Congenital [0.74]	Diarrhea [1.06]	Dermatitis [0.48]	Skin Viral [0.8]	Conduct [0.78]	ID [4.9]	Epilepsy [0.7]
Madhya Pradesh	Typh + Paratyph [21.21]	Iron [2.13]	Vit A [1.67]	Diarrhea [1.01]	Neonatal [1.51]	LRI [0.54]	Malaria [30.9]	Drown [0.58]	Congenital [0.48]	Animal [5.77]
Maharashtra	Iron [3.24]	Vit A [2.29]	Neonatal [1.62]	Typh + Paratyph [143.63]	Congenital [0.66]	Diarrhea [1.52]	Malaria [208.67]	LRI [0.58]	Drown [0.39]	ID [5.18]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Manipur	Typh + Paratyph [123.5]	Neonatal [1.69]	Vit A [1.36]	Diarrhea [1.38]	Iron [0.7]	Congenital [0.56]	Malaria [157.49]	Drown [0.42]	ID [6.81]	LRI [0.43]
Meghalaya	Iron [2.3]	Typh + Paratyph [82.44]	Malaria [457.64]	Vit A [2.07]	Neonatal [1.63]	Diarrhea [1.11]	Congenital [0.56]	LRI [0.48]	ID [6.25]	Dermatitis [0.52]
Mizoram	Typh + Paratyph [322.98]	Malaria [565.28]	Neonatal [1.66]	Vit A [1.85]	Congenital [0.54]	Diarrhea [1.21]	LRI [0.64]	Iron [0.63]	ID [6.14]	Dermatitis [0.51]
Nagaland	Typh + Paratyph [368.82]	Iron [2.14]	Malaria [993.73]	Neonatal [1.72]	Vit A [1.81]	LRI [0.77]	Congenital [0.47]	Drown [0.52]	Diarrhea [1.22]	HIV [11.2]
Odisha	Malaria [230.48]	Typh + Paratyph [29.14]	Diarrhea [1.95]	Vit A [1.7]	Neonatal [1.48]	LRI [0.58]	Iron [0.73]	Drown [0.54]	Congenital [0.54]	Animal [7.16]
Punjab	Iron [3.8]	Typh + Paratyph [198.42]	Vit A [2.38]	Neonatal [1.54]	Congenital [0.46]	Diarrhea [0.89]	Dermatitis [0.48]	ID [5.05]	Hemog [1.81]	Conduct [0.83]
Rajasthan	Typh + Paratyph [26.06]	Iron [1.8]	Vit A [1.58]	Diarrhea [0.85]	Neonatal [1.48]	LRI [0.53]	Malaria [27.37]	Drown [0.42]	Congenital [0.44]	ID [6.0]
Sikkim	Iron [3.65]	Typh + Paratyph [280.78]	Vit A [2.31]	Neonatal [1.67]	LRI [0.91]	Diarrhea [1.64]	Congenital [0.58]	Dermatitis [0.49]	Skin Viral [0.81]	Conduct [0.81]
Tamil Nadu	Iron [3.36]	Vit A [2.4]	Neonatal [1.57]	Typh + Paratyph [134.79]	Diarrhea [1.99]	Congenital [0.84]	Drown [0.56]	LRI [0.66]	Road Inj [0.28]	Encepha [2.41]
Telangana	Iron [2.67]	Typh + Paratyph [71.74]	Vit A [1.93]	Neonatal [1.65]	Diarrhea [1.46]	Congenital [0.53]	Malaria [89.05]	ID [5.31]	Drown [0.3]	LRI [0.29]
Tripura	Iron [1.76]	Vit A [2.04]	Malaria [231.63]	Neonatal [1.62]	Typh + Paratyph [22.67]	Diarrhea [1.11]	LRI [0.55]	Congenital [0.64]	Drown [0.4]	ID [6.25]
Uttar Pradesh	Typh + Paratyph [23.9]	Iron [1.66]	Vit A [1.67]	Diarrhea [1.42]	LRI [0.63]	Neonatal [1.46]	Malaria [33.74]	Congenital [0.59]	Meningitis [0.59]	Road Inj [0.27]
Uttarakhand	Typh + Paratyph [229.9]	Iron [2.99]	Vit A [1.94]	Neonatal [1.64]	Diarrhea [1.44]	Congenital [0.56]	LRI [0.63]	Road Inj [0.26]	Malaria [123.28]	Dermatitis [0.51]
W Bengal	Iron [1.61]	Vit A [1.84]	Neonatal [1.5]	Typh + Paratyph [15.43]	Diarrhea [0.87]	Congenital [0.59]	Drown [0.45]	ID [6.74]	LRI [0.3]	Malaria [54.38]
UTs other than Delhi	Iron [4.77]	Vit A [2.89]	Neonatal [1.75]	Typh + Paratyph [246.32]	Malaria [812.61]	Congenital [0.63]	Diarrhea [1.64]	LRI [0.68]	Drown [0.48]	Road Inj [0.27]
Nepal	Typh + Paratyph [3.98]	Iron [0.81]	Neonatal [1.9]	Diarrhea [0.52]	Vit A [0.65]	Road Inj [0.26]	Dermatitis [0.89]	Malaria [4.11]	LRI [0.2]	Drown [0.26]
Pakistan	Iron [1.95]	Diarrhea [1.25]	Road Inj [0.77]	Typh + Paratyph [10.61]	Drown [0.84]	LRI [0.61]	Neonatal [1.42]	Congenital [0.79]	Vit A [0.8]	Malaria [32.73]
Southeast Asia, East Asia, and Oceania	Drown [1.82]	Road Inj [0.75]	Neonatal [1.06]	Congenital [0.78]	Asthma [0.99]	Dermatitis [0.64]	LRI [1.0]	Leukemia [0.87]	Skin Viral [1.05]	Typh + Paratyph [225.32]
East Asia	Drown [2.65]	Road Inj [1.04]	Neonatal [1.35]	Congenital [0.75]	Asthma [0.81]	Leukemia [1.02]	Skin Viral [1.11]	Dermatitis [0.52]	Falls [1.22]	Hernia [4.38]
China	Drown [2.59]	Road Inj [1.03]	Neonatal [1.37]	Congenital [0.74]	Asthma [0.79]	Leukemia [1.01]	Skin Viral [1.11]	Dermatitis [0.51]	Falls [1.24]	Hernia [4.38]
N Korea	Drown [1.04]	Road Inj [0.47]	Congenital [0.54]	Vit A [0.58]	Neonatal [0.72]	Diarrhea [0.59]	Asthma [0.69]	LRI [0.32]	Leukemia [0.71]	Dermatitis [0.65]
Taiwan	Asthma [1.9]	Dermatitis [0.6]	Neonatal [0.57]	Congenital [0.77]	Skin Viral [1.04]	Conduct [0.81]	Anxiety [0.72]	Diarrhea [2.03]	Road Inj [0.51]	Urticaria [1.35]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Oceania	LRI [1.0]	Iron [1.23]	Diarrhea [0.9]	Asthma [1.92]	Congenital [0.91]	Drown [0.73]	Road Inj [0.45]	RHD [4.01]	Dermatitis [1.02]	Typh + Paratyph [3.1]
Am Samoa	Asthma [2.17]	Iron [2.17]	Dermatitis [0.93]	Diarrhea [2.33]	Vit A [1.25]	Neonatal [0.69]	Congenital [0.58]	Skin Viral [0.99]	Road Inj [0.34]	Drown [0.6]
Micronesia	Iron [1.64]	Vit A [1.67]	Asthma [1.71]	Congenital [0.79]	Road Inj [0.5]	Dermatitis [1.03]	LRI [0.56]	Diarrhea [0.96]	Drown [0.47]	Neonatal [0.71]
Fiji	Iron [1.86]	Asthma [1.88]	Congenital [1.04]	LRI [1.33]	Road Inj [0.56]	Drown [0.8]	Diarrhea [1.86]	Dermatitis [0.97]	Neonatal [0.65]	Vit A [0.86]
Guam	Asthma [2.22]	Diarrhea [5.79]	Iron [3.91]	Dermatitis [0.87]	Congenital [0.91]	Road Inj [0.89]	Neonatal [0.74]	Skin Viral [0.97]	LRI [2.33]	Conduct [0.79]
Kiribati	Iron [1.28]	Congenital [1.31]	Meningitis [1.03]	Vit A [0.95]	Asthma [1.82]	Measles [1.74]	LRI [0.45]	Diarrhea [0.49]	Road Inj [0.3]	Typh + Paratyph [1.68]
Marshall	Vit A [1.17]	Asthma [1.57]	Congenital [0.85]	Road Inj [0.51]	LRI [0.5]	Dermatitis [1.04]	Iron [0.57]	Diarrhea [0.75]	Neonatal [0.74]	Drown [0.43]
N Mariana	Asthma [2.28]	Neonatal [0.84]	Dermatitis [0.9]	Diarrhea [3.19]	Vit A [1.94]	Congenital [0.6]	Iron [1.24]	Skin Viral [0.98]	Road Inj [0.43]	Drown [0.8]
PNG	LRI [0.94]	Iron [1.09]	Diarrhea [0.72]	Asthma [1.99]	Drown [0.76]	Congenital [0.91]	Road Inj [0.43]	RHD [4.08]	Typh + Paratyph [1.62]	Meningitis [0.43]
Samoa	Iron [1.55]	Vit A [1.34]	Asthma [1.62]	Dermatitis [1.04]	Congenital [0.57]	Diarrhea [0.97]	Neonatal [0.73]	Road Inj [0.27]	Skin Viral [1.06]	LRI [0.31]
Solomon	Iron [1.62]	LRI [0.65]	Vit A [0.77]	Road Inj [0.45]	Asthma [1.48]	Congenital [0.78]	Drown [0.41]	Dermatitis [1.02]	Diarrhea [0.3]	Falls [1.79]
Tonga	Asthma [2.26]	Meningitis [2.17]	Dermatitis [1.0]	Road Inj [0.43]	Iron [0.79]	Diarrhea [1.44]	Vit A [0.88]	Neonatal [0.69]	Congenital [0.52]	LRI [0.62]
Vanuatu	Iron [1.09]	Asthma [1.76]	Road Inj [0.55]	Vit A [0.98]	Congenital [0.88]	LRI [0.47]	Drown [0.55]	Dermatitis [1.02]	Diarrhea [0.42]	Typh + Paratyph [3.14]
Southeast Asia	Drown [0.96]	Congenital [0.78]	Asthma [1.17]	Typh + Paratyph [142.28]	LRI [0.92]	Road Inj [0.42]	Neonatal [0.72]	Diarrhea [1.52]	Dermatitis [0.82]	Dengue [22.23]
Cambodia	Iron [1.59]	Drown [0.92]	Mech [2.85]	Vit A [0.71]	LRI [0.41]	Congenital [0.6]	Road Inj [0.33]	Typh + Paratyph [3.92]	Dermatitis [1.02]	Asthma [0.82]
Indonesia	Typh + Paratyph [254.58]	Asthma [1.17]	Diarrhea [1.98]	Dengue [33.36]	Vit A [1.07]	Road Inj [0.43]	Neonatal [0.73]	Congenital [0.58]	Drown [0.64]	Dermatitis [0.61]
Laos	Drown [1.03]	Road Inj [0.69]	Typh + Paratyph [15.71]	Vit A [0.99]	Congenital [0.79]	LRI [0.57]	Asthma [1.11]	Diarrhea [0.69]	Iron [0.53]	Dermatitis [1.03]
Malaysia	Dermatitis [0.95]	Neonatal [0.81]	Asthma [0.99]	Congenital [0.7]	Diarrhea [2.36]	Skin Viral [0.98]	Road Inj [0.46]	Dengue [427.11]	Leukemia [0.96]	LRI [1.59]
Maldives	Dermatitis [0.96]	Asthma [1.01]	Congenital [0.63]	Neonatal [0.66]	Dengue [27.39]	Iron [0.69]	Drown [0.53]	Skin Viral [1.0]	Conduct [0.85]	Road Inj [0.22]
Mauritius	Iron [2.61]	Asthma [1.27]	Dermatitis [0.91]	Neonatal [0.82]	Congenital [0.72]	Diarrhea [1.82]	Skin Viral [0.98]	Epilepsy [1.05]	Conduct [0.83]	Vit A [0.7]
Myanmar	Typh + Paratyph [36.54]	Congenital [1.06]	Drown [0.9]	Iron [0.83]	LRI [0.67]	Vit A [0.82]	Asthma [1.0]	Dermatitis [1.04]	Road Inj [0.34]	Diarrhea [0.84]
Philippines	LRI [1.96]	Congenital [1.19]	Drown [1.18]	Asthma [1.72]	Dengue [34.36]	Road Inj [0.5]	Dermatitis [1.05]	Diarrhea [1.42]	Neonatal [0.77]	Leukemia [1.04]
Sri Lanka	Congenital [0.83]	Dermatitis [0.9]	Asthma [1.0]	Typh + Paratyph [308.81]	Neonatal [0.74]	Vit A [1.15]	Iron [1.02]	Skin Viral [1.02]	Epilepsy [1.0]	Conduct [0.83]
Seychelles	Drown [1.77]	LRI [1.91]	Congenital [0.88]	Dermatitis [0.94]	Neonatal [0.81]	Asthma [1.04]	Meningitis [2.15]	Vit A [0.8]	Skin Viral [0.99]	Road Inj [0.3]
Thailand	Drown [1.97]	Typh + Paratyph [475.62]	Road Inj [0.66]	Congenital [0.79]	Dermatitis [0.98]	Asthma [0.98]	Neonatal [0.67]	Skin Viral [0.99]	LRI [0.85]	Conduct [0.84]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Timor-Leste	Iron [1.05]	Drown [0.72]	Congenital [0.8]	Typh + Paratyph [8.5]	Vit A [0.66]	LRI [0.39]	Asthma [0.96]	Dermatitis [1.02]	Diarrhea [0.53]	Road Inj [0.26]
Vietnam	Drown [1.01]	Congenital [0.6]	Dermatitis [0.84]	Typh + Paratyph [44.47]	Neonatal [0.61]	Asthma [0.74]	Skin Viral [1.04]	Road Inj [0.23]	Vit A [0.5]	Conduct [0.87]
Sub-Saharan Africa	Malaria [37.89]	Iron [1.43]	HIV [21.71]	Diarrhea [0.93]	Vit A [1.22]	LRI [0.51]	Road Inj [0.43]	Meningitis [0.6]	Congenital [0.59]	Dermatitis [1.0]
Central Sub-Saharan Africa	Malaria [71.78]	Iron [1.51]	Vit A [1.34]	Diarrhea [1.0]	Road Inj [0.73]	HIV [13.54]	Meningitis [0.77]	LRI [0.45]	Hemog [2.07]	Congenital [0.59]
Angola	Iron [1.97]	Diarrhea [1.28]	Malaria [30.76]	Road Inj [0.72]	HIV [15.37]	Vit A [1.16]	Meningitis [0.77]	LRI [0.42]	Neonatal [1.21]	Dermatitis [1.16]
C African Rep	Malaria [5.24]	Road Inj [1.65]	Conflict Terror [167.03]	Iron [1.66]	HIV [29.25]	Diarrhea [0.84]	Vit A [1.06]	Meningitis [0.87]	LRI [0.55]	Hemog [2.44]
Congo	HIV [77.88]	Malaria [611.67]	Iron [2.16]	Vit A [2.43]	Diarrhea [2.9]	Road Inj [0.86]	LRI [0.82]	Neonatal [1.13]	Meningitis [1.62]	Asthma [1.22]
Congo DR	Malaria [9.21]	Iron [1.07]	Vit A [1.03]	Diarrhea [0.51]	Road Inj [0.59]	LRI [0.33]	Meningitis [0.51]	HIV [8.58]	Hemog [1.71]	Oncho [144.34]
Eq Guinea	HIV [186.66]	Malaria [2142.75]	Iron [1.59]	Road Inj [0.69]	Diarrhea [2.16]	Vit A [1.3]	Dermatitis [1.12]	Asthma [1.1]	Epilepsy [1.67]	Neonatal [0.73]
Gabon	Iron [5.13]	Malaria [2274.7]	HIV [38.52]	Road Inj [0.99]	Vit A [2.23]	Neonatal [1.22]	Diarrhea [2.68]	Dermatitis [1.1]	Asthma [1.2]	Epilepsy [1.8]
Eastern Sub-Saharan Africa	HIV [32.87]	Diarrhea [0.73]	Vit A [0.89]	Iron [0.79]	Malaria [3.72]	LRI [0.41]	Road Inj [0.33]	Congenital [0.59]	Neonatal [1.46]	Meningitis [0.4]
Burundi	Malaria [2.34]	Diarrhea [0.48]	LRI [0.39]	Iron [0.61]	Road Inj [0.43]	HIV [11.55]	Congenital [0.72]	Vit A [0.43]	Typh + Paratyph [0.57]	Dermatitis [1.18]
Comoros	Iron [1.39]	Diarrhea [0.88]	Vit A [0.87]	LRI [0.49]	Neonatal [1.61]	Road Inj [0.38]	Congenital [0.64]	Dermatitis [1.16]	Asthma [0.96]	Meningitis [0.44]
Djibouti	HIV [18.31]	Diarrhea [0.85]	LRI [0.56]	Iron [0.69]	Road Inj [0.45]	Neonatal [1.35]	Congenital [0.66]	Dermatitis [1.16]	Typh + Paratyph [4.73]	Meningitis [0.54]
Eritrea	Diarrhea [1.22]	Iron [1.37]	LRI [0.56]	Vit A [0.74]	Road Inj [0.48]	HIV [8.72]	Neonatal [1.64]	Meningitis [0.52]	Congenital [0.63]	Typh + Paratyph [1.59]
Ethiopia	Diarrhea [0.59]	Vit A [0.97]	Iron [0.6]	HIV [10.88]	LRI [0.31]	Meningitis [0.39]	Neonatal [1.77]	Typh + Paratyph [0.67]	Road Inj [0.25]	Dermatitis [1.05]
Kenya	HIV [26.8]	Diarrhea [1.49]	Neonatal [1.73]	Vit A [1.02]	Congenital [0.71]	LRI [0.47]	Typh + Paratyph [6.85]	Dermatitis [1.15]	iNTS [3.09]	Meningitis [0.68]
Baringo	Diarrhea [1.04]	Vit A [0.95]	Neonatal [1.88]	Leish [23.69]	Congenital [0.68]	LRI [0.37]	Typh + Paratyph [2.65]	iNTS [2.35]	Dermatitis [1.12]	Meningitis [0.5]
Bomet	HIV [50.85]	Neonatal [2.03]	Diarrhea [1.09]	Vit A [0.68]	Dermatitis [1.12]	Congenital [0.54]	Typh + Paratyph [5.06]	Asthma [0.67]	iNTS [1.9]	LRI [0.2]
Bungoma	Diarrhea [1.09]	Vit A [1.31]	Neonatal [1.89]	Malaria [25.13]	Congenital [0.62]	Iron [0.52]	iNTS [2.45]	Dermatitis [1.12]	HIV [6.87]	Typh + Paratyph [2.96]
Busia	Malaria [33.66]	Diarrhea [0.89]	Vit A [1.16]	Neonatal [1.89]	iNTS [2.69]	Congenital [0.67]	LRI [0.37]	Dermatitis [1.12]	Typh + Paratyph [2.03]	Meningitis [0.47]
Elgeyo-Marakwet	Diarrhea [1.58]	Neonatal [2.01]	HIV [13.84]	Congenital [0.65]	Dermatitis [1.13]	Vit A [0.62]	Typh + Paratyph [5.25]	LRI [0.35]	Meningitis [0.52]	Asthma [0.68]
Embu	Diarrhea [2.07]	HIV [20.53]	Vit A [1.51]	Neonatal [1.87]	Congenital [0.71]	LRI [0.51]	Iron [0.62]	Dermatitis [1.13]	Typh + Paratyph [12.88]	Meningitis [0.77]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Garissa	Diarrhea [0.5]	HIV [13.49]	Neonatal [2.59]	Vit A [0.58]	iNTS [1.38]	Congenital [0.59]	Dermatitis [1.13]	Typh + Paratyph [0.58]	LRI [0.21]	Meningitis [0.28]
HomaBay	HIV [88.02]	Diarrhea [1.24]	Vit A [1.34]	Road Inj [0.8]	LRI [0.59]	iNTS [3.72]	Malaria [10.1]	Congenital [0.85]	Meningitis [0.71]	Iron [0.65]
Isiolo	Diarrhea [0.64]	HIV [13.72]	LRI [0.46]	Conflict Terror [123.04]	Vit A [0.73]	Congenital [0.79]	Meningitis [0.58]	Neonatal [1.76]	Typh + Paratyph [1.32]	iNTS [1.76]
Kajiado	Neonatal [2.03]	Diarrhea [1.45]	Vit A [0.89]	Congenital [0.67]	Typh + Paratyph [13.48]	Dermatitis [1.13]	HIV [9.55]	LRI [0.4]	Meningitis [0.69]	Asthma [0.71]
Kakamega	HIV [21.41]	Diarrhea [1.17]	Vit A [1.28]	Malaria [18.35]	LRI [0.49]	Neonatal [1.61]	Congenital [0.75]	iNTS [2.82]	Typh + Paratyph [3.02]	Meningitis [0.63]
Kericho	HIV [26.69]	Neonatal [2.14]	Diarrhea [1.24]	Vit A [0.91]	Congenital [0.63]	iNTS [3.17]	Dermatitis [1.12]	Typh + Paratyph [6.17]	LRI [0.32]	Asthma [0.68]
Kiambu	Neonatal [1.93]	Diarrhea [2.11]	HIV [20.96]	Congenital [0.77]	LRI [0.7]	Dermatitis [1.14]	Typh + Paratyph [32.81]	Meningitis [1.15]	Vit A [0.68]	Road Inj [0.31]
Kilifi	HIV [18.98]	Diarrhea [1.07]	Vit A [0.99]	Neonatal [1.79]	Iron [0.61]	Congenital [0.68]	Typh + Paratyph [3.05]	LRI [0.37]	Dermatitis [1.12]	Meningitis [0.52]
Kirinyaga	HIV [26.0]	Diarrhea [2.09]	Neonatal [1.94]	Congenital [0.76]	LRI [0.58]	Typh + Paratyph [13.48]	Dermatitis [1.14]	Meningitis [0.86]	Road Inj [0.32]	Asthma [0.72]
Kisii	Diarrhea [2.21]	Neonatal [1.56]	Congenital [0.73]	LRI [0.52]	iNTS [4.12]	Typh + Paratyph [10.71]	Dermatitis [1.13]	Vit A [0.7]	Meningitis [0.73]	Road Inj [0.29]
Kisumu	HIV [46.25]	Diarrhea [1.76]	Vit A [1.21]	Malaria [73.26]	LRI [0.66]	iNTS [4.71]	Congenital [0.82]	Typh + Paratyph [8.38]	Meningitis [0.89]	Neonatal [1.1]
Kitui	HIV [21.59]	Diarrhea [1.1]	Neonatal [2.15]	Typh + Paratyph [3.41]	Congenital [0.61]	iNTS [2.36]	Dermatitis [1.12]	LRI [0.29]	Meningitis [0.41]	Vit A [0.39]
Kwale	HIV [17.37]	Diarrhea [0.85]	Vit A [0.95]	Neonatal [1.84]	Malaria [15.17]	iNTS [2.81]	Typh + Paratyph [3.21]	Congenital [0.67]	LRI [0.37]	Dermatitis [1.12]
Laikipia	HIV [51.49]	Neonatal [2.01]	Diarrhea [1.71]	Vit A [0.94]	Dermatitis [1.14]	Congenital [0.61]	Typh + Paratyph [17.58]	Asthma [0.74]	LRI [0.33]	Epilepsy [0.85]
Lamu	Conflict Terror [1064.98]	Diarrhea [0.89]	LRI [0.5]	Neonatal [1.6]	Congenital [0.77]	Vit A [0.72]	HIV [9.39]	Typh + Paratyph [3.39]	Meningitis [0.66]	iNTS [2.39]
Machakos	HIV [31.21]	Diarrhea [1.51]	Neonatal [1.95]	Typh + Paratyph [10.29]	Congenital [0.65]	Dermatitis [1.13]	Vit A [0.66]	LRI [0.38]	iNTS [2.64]	Meningitis [0.56]
Makueni	HIV [60.19]	Diarrhea [0.9]	Neonatal [2.0]	Typh + Paratyph [3.59]	Dermatitis [1.12]	Vit A [0.57]	Congenital [0.55]	Asthma [0.64]	iNTS [1.54]	LRI [0.19]
Mandera	Diarrhea [0.48]	Vit A [0.87]	HIV [16.81]	Iron [0.55]	LRI [0.29]	iNTS [1.41]	Neonatal [2.19]	Typh + Paratyph [0.58]	Meningitis [0.37]	Congenital [0.6]
Marsabit	HIV [24.64]	Diarrhea [0.67]	Neonatal [2.69]	Vit A [0.59]	iNTS [1.37]	Congenital [0.59]	LRI [0.24]	Typh + Paratyph [0.65]	Dermatitis [1.13]	Meningitis [0.34]
Meru	HIV [29.78]	Diarrhea [1.72]	Neonatal [1.94]	LRI [0.59]	Congenital [0.77]	Vit A [0.85]	Meningitis [0.82]	Typh + Paratyph [7.91]	Dermatitis [1.13]	Road Inj [0.33]
Migori	HIV [60.36]	Diarrhea [1.24]	LRI [0.63]	Vit A [0.98]	Malaria [8.96]	iNTS [3.52]	Meningitis [0.75]	Congenital [0.87]	Road Inj [0.44]	Typh + Paratyph [2.26]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Mombasa	Neonatal [1.57]	Diarrhea [1.78]	Congenital [0.77]	Typh + Paratyph [33.74]	LRI [0.65]	Dermatitis [1.14]	HIV [12.02]	Vit A [0.86]	Meningitis [1.07]	iNTS [4.44]
Murang'a	HIV [34.18]	Diarrhea [2.0]	Neonatal [1.95]	Congenital [0.71]	LRI [0.49]	Typh + Paratyph [12.01]	Dermatitis [1.13]	Meningitis [0.76]	Road Inj [0.28]	Vit A [0.52]
Nairobi	Neonatal [1.73]	Dermatitis [1.37]	Congenital [0.92]	Diarrhea [2.67]	LRI [1.63]	Typh + Paratyph [293.31]	Vit A [1.24]	Road Inj [0.49]	Meningitis [2.81]	Asthma [0.83]
Nakuru	HIV [26.41]	Diarrhea [2.0]	Neonatal [1.82]	Congenital [0.79]	LRI [0.63]	Typh + Paratyph [19.04]	Dermatitis [1.14]	Meningitis [0.95]	Vit A [0.7]	Epilepsy [1.29]
Nandi	HIV [25.02]	Neonatal [2.05]	Diarrhea [1.17]	Vit A [0.88]	Typh + Paratyph [6.63]	Congenital [0.62]	Dermatitis [1.12]	iNTS [3.07]	LRI [0.31]	Asthma [0.68]
Narok	Diarrhea [0.72]	Vit A [0.9]	Neonatal [2.59]	Typh + Paratyph [1.57]	iNTS [2.04]	HIV [7.53]	Congenital [0.61]	LRI [0.27]	Dermatitis [1.12]	Meningitis [0.37]
Nyamira	Diarrhea [2.51]	HIV [23.47]	Neonatal [1.77]	LRI [0.73]	iNTS [5.97]	Congenital [0.81]	Typh + Paratyph [18.61]	Meningitis [1.09]	Road Inj [0.39]	Dermatitis [1.14]
Nyandarua	HIV [30.45]	Diarrhea [2.44]	Neonatal [2.06]	LRI [0.91]	Congenital [0.92]	Meningitis [1.31]	Typh + Paratyph [15.94]	Road Inj [0.42]	Vit A [0.82]	Dermatitis [1.14]
Nyeri	HIV [42.48]	Diarrhea [2.15]	Neonatal [1.92]	LRI [0.8]	Congenital [0.84]	Meningitis [1.24]	Road Inj [0.4]	Dermatitis [1.14]	Typh + Paratyph [19.93]	Asthma [0.76]
Samburu	HIV [42.12]	Diarrhea [0.49]	Neonatal [3.02]	iNTS [1.1]	Vit A [0.35]	Dermatitis [1.13]	Congenital [0.52]	Typh + Paratyph [0.45]	Meningitis [0.23]	LRI [0.15]
Siaya	Malaria [44.53]	HIV [18.75]	Diarrhea [1.11]	Vit A [0.87]	iNTS [3.58]	Congenital [0.75]	LRI [0.44]	Typh + Paratyph [3.2]	Neonatal [1.22]	Meningitis [0.57]
TaitaTaveta	HIV [42.95]	Diarrhea [1.49]	Neonatal [1.79]	Congenital [0.77]	LRI [0.59]	Typh + Paratyph [13.71]	Dermatitis [1.14]	Meningitis [0.85]	Road Inj [0.29]	iNTS [2.99]
TanaRiver	HIV [32.01]	Vit A [1.31]	Iron [1.08]	Diarrhea [0.58]	LRI [0.43]	Neonatal [2.16]	Congenital [0.75]	Typh + Paratyph [1.33]	iNTS [2.01]	Meningitis [0.52]
TharakaNithi	Diarrhea [2.32]	Neonatal [1.52]	LRI [0.64]	Congenital [0.78]	Typh + Paratyph [12.97]	Dermatitis [1.13]	Meningitis [0.91]	Road Inj [0.33]	Vit A [0.64]	iNTS [2.91]
TransNzoia	HIV [38.87]	Diarrhea [1.37]	Neonatal [1.95]	Vit A [1.0]	Congenital [0.6]	Dermatitis [1.12]	Typh + Paratyph [5.34]	iNTS [2.48]	LRI [0.31]	Meningitis [0.48]
Turkana	HIV [61.45]	Diarrhea [0.63]	Vit A [0.7]	Neonatal [2.63]	iNTS [1.25]	Congenital [0.62]	Meningitis [0.34]	LRI [0.22]	PEM [0.64]	Dermatitis [1.12]
UasinGishu	HIV [26.68]	Diarrhea [1.93]	Neonatal [1.83]	Dermatitis [1.66]	Vit A [0.96]	Congenital [0.69]	Typh + Paratyph [17.51]	LRI [0.47]	Meningitis [0.74]	Asthma [0.72]
Vihiga	Diarrhea [1.43]	Vit A [1.05]	LRI [0.63]	Neonatal [1.84]	iNTS [3.85]	Congenital [0.81]	Typh + Paratyph [5.2]	Malaria [25.05]	Meningitis [0.77]	HIV [8.69]
Wajir	Diarrhea [0.55]	Neonatal [2.97]	Vit A [0.41]	iNTS [1.21]	LRI [0.24]	Congenital [0.67]	Typh + Paratyph [0.36]	Meningitis [0.35]	Dermatitis [1.12]	Measles [0.11]
WestPokot	Diarrhea [0.77]	Neonatal [2.49]	HIV [10.79]	Leish [10.31]	Vit A [0.62]	iNTS [1.66]	Congenital [0.55]	Dermatitis [1.12]	Typh + Paratyph [0.88]	LRI [0.2]
Madagascar	Diarrhea [0.93]	PEM [2.1]	Iron [0.96]	LRI [0.47]	Vit A [0.71]	Congenital [0.94]	Malaria [0.87]	Road Inj [0.29]	Asthma [1.06]	Dermatitis [1.17]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Malawi	HIV [76.22]	Iron [1.16]	Malaria [2.28]	Diarrhea [0.58]	Vit A [0.86]	LRI [0.33]	Congenital [0.62]	Meningitis [0.39]	Road Inj [0.29]	Dermatitis [1.17]
Mozambique	HIV [116.58]	Malaria [3.76]	Iron [1.06]	Diarrhea [0.55]	Vit A [0.87]	LRI [0.4]	Typh + Paratyph [0.97]	Congenital [0.72]	Road Inj [0.27]	Asthma [0.89]
Rwanda	Iron [0.78]	Diarrhea [0.54]	Vit A [0.75]	Road Inj [0.48]	Malaria [4.42]	LRI [0.37]	HIV [8.25]	Asthma [1.14]	Congenital [0.61]	Neonatal [1.34]
Somalia	Measles [0.46]	Conflict Terror [36.17]	Diarrhea [0.45]	Vit A [0.81]	Road Inj [0.64]	Iron [0.72]	LRI [0.42]	Whooping [1.78]	Meningitis [0.48]	Dermatitis [1.16]
S Sudan	Conflict Terror [78.21]	Diarrhea [0.64]	Malaria [0.72]	Iron [0.89]	LRI [0.47]	Leish [4.18]	Vit A [0.62]	Road Inj [0.44]	Meningitis [0.47]	Measles [0.21]
Tanzania	HIV [26.53]	Iron [1.17]	Diarrhea [0.69]	Malaria [6.92]	LRI [0.51]	Vit A [0.75]	Congenital [0.65]	Asthma [1.11]	Neonatal [1.28]	Hemog [1.61]
Uganda	HIV [76.87]	Malaria [8.9]	Diarrhea [0.61]	Vit A [0.73]	Iron [0.67]	Road Inj [0.37]	LRI [0.33]	Neonatal [1.31]	Dermatitis [1.07]	Asthma [0.94]
Zambia	HIV [60.76]	Diarrhea [1.34]	Vit A [1.5]	Malaria [38.76]	Iron [0.77]	LRI [0.55]	Congenital [0.69]	Meningitis [0.71]	Road Inj [0.38]	Dermatitis [1.16]
Southern Sub-Saharan Africa	HIV [137.73]	Road Inj [0.93]	Diarrhea [2.99]	Vit A [1.77]	Dermatitis [1.31]	LRI [1.28]	Neonatal [1.02]	Iron [1.16]	TB [17.2]	Congenital [0.6]
Botswana	Diarrhea [4.43]	Vit A [2.36]	Iron [2.06]	Road Inj [0.94]	Neonatal [1.26]	Dermatitis [1.3]	LRI [1.31]	Congenital [0.47]	HIV [13.29]	Asthma [0.66]
Lesotho	HIV [116.35]	Road Inj [1.51]	Diarrhea [2.25]	LRI [1.02]	TB [6.88]	Vit A [1.5]	Iron [1.06]	Dermatitis [1.39]	Drown [0.57]	Meningitis [0.72]
Namibia	HIV [84.09]	Diarrhea [3.45]	Road Inj [0.93]	Iron [1.71]	Dermatitis [1.36]	Neonatal [1.07]	LRI [0.96]	Vit A [1.09]	TB [9.24]	Congenital [0.44]
S Africa	HIV [173.82]	Road Inj [1.09]	Vit A [1.89]	Dermatitis [1.27]	Neonatal [1.05]	Diarrhea [2.52]	Congenital [0.68]	LRI [1.21]	Iron [0.96]	Violence [3.11]
Swaziland	HIV [181.37]	Diarrhea [4.14]	Road Inj [1.42]	Iron [1.65]	Vit A [1.75]	LRI [1.22]	TB [9.19]	Dermatitis [1.4]	Neonatal [0.84]	Drown [0.57]
Zimbabwe	HIV [50.23]	Diarrhea [1.0]	TB [4.56]	LRI [0.69]	Iron [0.82]	Vit A [0.96]	Road Inj [0.45]	Dermatitis [1.39]	PEM [2.67]	Drown [0.53]
Western Sub-Saharan Africa	Malaria [48.76]	Iron [1.97]	Vit A [1.35]	Diarrhea [0.81]	LRI [0.53]	iNTS [3.31]	Meningitis [0.66]	Road Inj [0.4]	HIV [8.62]	Hemog [2.12]
Benin	Malaria [10.05]	Vit A [1.13]	Iron [1.03]	Diarrhea [0.54]	Road Inj [0.57]	iNTS [1.93]	LRI [0.32]	HIV [6.74]	Congenital [0.52]	Meningitis [0.34]
Burkina Faso	Malaria [2.56]	Iron [1.6]	Vit A [0.97]	Typh + Paratyph [0.94]	Diarrhea [0.33]	Hemog [1.74]	iNTS [1.52]	LRI [0.31]	Road Inj [0.3]	Meningitis [0.37]
Cameroon	Malaria [157.47]	HIV [24.39]	Iron [1.55]	Vit A [1.57]	Diarrhea [1.0]	LRI [0.53]	Road Inj [0.37]	iNTS [2.68]	Congenital [0.57]	Meningitis [0.57]
Cape Verde	Iron [1.64]	Neonatal [1.41]	Dermatitis [0.97]	Diarrhea [0.65]	Congenital [0.44]	Drown [0.37]	Epilepsy [0.98]	Asthma [0.63]	HIV [6.17]	Conduct [0.94]
Chad	Iron [1.92]	Malaria [0.8]	Diarrhea [0.6]	Vit A [0.88]	LRI [0.49]	Road Inj [0.47]	Meningitis [0.54]	iNTS [1.22]	HIV [11.5]	Typh + Paratyph [0.4]
Cote d'Ivoire	Malaria [19.42]	Iron [1.58]	Vit A [1.34]	Diarrhea [0.58]	iNTS [3.0]	LRI [0.48]	Road Inj [0.4]	Congenital [0.63]	HIV [7.33]	Meningitis [0.46]
Gambia	Iron [1.52]	Vit A [1.4]	Hemog [4.42]	Diarrhea [0.53]	HIV [9.85]	LRI [0.4]	Neonatal [1.64]	Meningitis [0.5]	Road Inj [0.3]	Congenital [0.53]
Ghana	Malaria [435.42]	Iron [2.18]	Vit A [2.23]	HIV [20.22]	Diarrhea [1.17]	Typh + Paratyph [18.42]	Road Inj [0.44]	Meningitis [1.1]	Hemog [3.04]	LRI [0.52]
Guinea	Malaria [4.23]	Iron [1.16]	Vit A [0.93]	iNTS [2.26]	Diarrhea [0.37]	LRI [0.4]	HIV [11.09]	Road Inj [0.35]	Meningitis [0.42]	Congenital [0.59]
Guinea-Bissau	HIV [38.56]	Diarrhea [0.84]	Iron [1.33]	Hemog [4.11]	Vit A [1.13]	Measles [0.97]	LRI [0.46]	Meningitis [0.53]	Congenital [0.67]	Road Inj [0.34]
Liberia	Malaria [2.47]	Iron [1.47]	Diarrhea [0.62]	Vit A [0.84]	Oncho [211.61]	Measles [0.5]	Hemog [1.85]	HIV [9.78]	iNTS [1.48]	LRI [0.28]
Mali	Malaria [1.54]	Iron [1.82]	Vit A [1.11]	Diarrhea [0.53]	iNTS [2.86]	Meningitis [0.56]	Road Inj [0.38]	HIV [10.79]	LRI [0.25]	Hemog [1.09]

eFigure 7d. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.62]	(0.62-0.79]	(0.79-0.89]	(0.89-0.97]	(0.97-1.07]	(1.07-1.26]	(1.26-1.44]	(1.44-2.32]	2.32+
	1	2	3	4	5	6	7	8	9	10
Mauritania	Iron [1.41]	Diarrhea [1.11]	Vit A [1.25]	Road Inj [0.53]	LRI [0.46]	Neonatal [1.24]	Congenital [0.51]	Meningitis [0.51]	Dermatitis [0.95]	Asthma [0.78]
Niger	Malaria [0.78]	Iron [1.3]	Vit A [0.7]	Diarrhea [0.33]	iNTS [1.44]	LRI [0.32]	Meningitis [0.4]	Road Inj [0.26]	Congenital [0.55]	Hemog [0.7]
Nigeria	Malaria [184.1]	Iron [2.58]	Vit A [1.56]	Diarrhea [1.15]	LRI [0.76]	iNTS [5.18]	Measles [6.38]	Meningitis [0.98]	Road Inj [0.43]	Hemog [2.72]
Sao Tome Principe	Vit A [1.53]	Iron [1.23]	LRI [0.74]	Neonatal [1.24]	Congenital [0.68]	Diarrhea [0.61]	Road Inj [0.34]	Other MN [2.47]	Dermatitis [0.95]	Typh + Paratyph [4.29]
Senegal	Iron [1.45]	Diarrhea [0.65]	Vit A [0.99]	Meningitis [0.48]	LRI [0.3]	Hemog [1.67]	Neonatal [1.54]	Malaria [1.52]	Congenital [0.53]	Road Inj [0.27]
Sierra Leone	Malaria [11.98]	Iron [1.68]	Vit A [1.09]	Diarrhea [0.58]	LRI [0.46]	iNTS [1.96]	Meningitis [0.5]	Road Inj [0.35]	Hemog [1.59]	Congenital [0.6]
Togo	Malaria [32.37]	Vit A [1.15]	Iron [1.02]	HIV [15.28]	Diarrhea [0.61]	iNTS [3.09]	Hemog [2.38]	LRI [0.3]	Neonatal [1.12]	Congenital [0.49]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Global	Road Inj [0.66]	Headaches [0.85]	Iron [1.82]	Neonatal [1.09]	Conduct [0.9]	Anxiety [0.88]	HIV [25.29]	Depression [0.9]	Back Pain [0.82]	Diarrhea [2.7]
Low SDI	Iron [1.17]	HIV [18.81]	Road Inj [0.53]	Headaches [0.92]	Diarrhea [1.02]	Malaria [6.45]	Typh + Paratyph [3.25]	Conduct [0.9]	Neonatal [1.43]	Anxiety [0.94]
Low-middle SDI	Iron [1.53]	Road Inj [0.7]	Headaches [0.95]	Neonatal [1.15]	HIV [16.25]	Conduct [0.89]	Diarrhea [1.64]	Anxiety [0.92]	Back Pain [0.91]	Malaria [101.42]
Middle SDI	Road Inj [0.68]	Headaches [0.81]	Neonatal [1.21]	Violence [1.4]	Conduct [0.88]	Anxiety [0.78]	Back Pain [0.75]	Drown [0.86]	Iron [1.1]	Depression [0.73]
High-middle SDI	Road Inj [0.8]	Headaches [0.79]	Neonatal [1.25]	Back Pain [0.82]	Anxiety [0.76]	Conduct [0.95]	Depression [0.87]	Congenital [0.98]	Self Harm [0.68]	Violence [2.61]
High SDI	Headaches [0.93]	Anxiety [1.16]	Depression [1.33]	Back Pain [1.05]	Road Inj [0.49]	Drugs [3.06]	Conduct [0.98]	Neonatal [0.89]	Acne [1.63]	Self Harm [0.68]
Central Europe, Eastern Europe, and Central Asia	Headaches [0.9]	Road Inj [0.61]	Neonatal [1.38]	Self Harm [1.19]	Conduct [1.03]	Falls [1.74]	Back Pain [0.8]	Anxiety [0.62]	Depression [0.71]	Congenital [0.96]
Central Asia	Headaches [0.88]	Iron [2.39]	Self Harm [1.2]	Conduct [0.98]	Road Inj [0.46]	Epilepsy [1.85]	Neonatal [0.93]	LRI [2.27]	Back Pain [0.74]	Depression [0.79]
Armenia	Headaches [0.86]	Conduct [1.0]	Neonatal [0.98]	Iron [1.82]	Back Pain [0.74]	Congenital [0.94]	Depression [0.71]	Road Inj [0.28]	Anxiety [0.57]	Falls [1.21]
Azerbaijan	Headaches [0.87]	Conduct [1.0]	Neonatal [0.89]	Iron [1.74]	Epilepsy [1.79]	Back Pain [0.72]	LRI [2.38]	Congenital [0.9]	Road Inj [0.29]	Falls [1.31]
Georgia	Road Inj [0.7]	Headaches [0.87]	Conduct [1.0]	Neonatal [0.97]	Depression [0.72]	Back Pain [0.64]	Congenital [0.86]	Anxiety [0.58]	Falls [1.23]	Iron [1.27]
Kazakhstan	Self Harm [1.8]	Headaches [0.86]	Road Inj [0.6]	Conduct [1.01]	Neonatal [1.01]	Depression [0.91]	Back Pain [0.75]	Iron [2.14]	Congenital [0.98]	Drown [1.39]
Kyrgyzstan	Headaches [0.9]	Iron [1.86]	Self Harm [1.24]	Road Inj [0.5]	Conduct [0.97]	Neonatal [1.03]	Epilepsy [1.46]	Depression [0.84]	Back Pain [0.78]	Congenital [0.87]
Mongolia	Self Harm [2.02]	Headaches [0.88]	Road Inj [0.65]	Conduct [0.98]	Falls [2.21]	Neonatal [0.98]	Depression [0.96]	Congenital [1.0]	Iron [1.27]	Back Pain [0.74]
Tajikistan	Headaches [0.93]	LRI [1.55]	Epilepsy [1.98]	Drown [0.95]	Conduct [0.97]	Iron [0.94]	Neonatal [1.04]	Congenital [0.99]	Falls [2.11]	Road Inj [0.33]
Turkmenistan	Headaches [0.87]	Conduct [0.99]	Self Harm [1.05]	Iron [1.83]	LRI [2.55]	Epilepsy [1.78]	Neonatal [0.83]	Cirrhosis [8.37]	Back Pain [0.71]	Congenital [0.94]
Uzbekistan	Iron [2.73]	Headaches [0.89]	Self Harm [1.41]	LRI [2.26]	Conduct [0.97]	Road Inj [0.46]	Epilepsy [1.88]	Neonatal [0.91]	Back Pain [0.76]	Depression [0.81]
Central Europe	Headaches [0.87]	Neonatal [1.43]	Falls [1.95]	Road Inj [0.54]	Back Pain [0.91]	Conduct [1.03]	Anxiety [0.69]	Congenital [1.0]	Self Harm [0.63]	Depression [0.59]
Albania	Headaches [0.9]	Back Pain [1.13]	Falls [2.38]	Neonatal [1.19]	Conduct [0.97]	Road Inj [0.45]	Anxiety [0.79]	Congenital [0.96]	Depression [0.65]	Epilepsy [1.17]
Bosnia	Headaches [0.89]	Neonatal [1.42]	Falls [2.31]	Conduct [0.98]	Back Pain [0.92]	Road Inj [0.4]	Anxiety [0.77]	Congenital [0.91]	Depression [0.66]	Self Harm [0.54]
Bulgaria	Headaches [0.87]	Road Inj [0.61]	Falls [2.09]	Neonatal [1.26]	Conduct [1.02]	Back Pain [0.86]	Anxiety [0.74]	Congenital [1.14]	Depression [0.61]	Self Harm [0.56]
Croatia	Headaches [0.88]	Neonatal [1.55]	Road Inj [0.57]	Conduct [1.03]	Back Pain [0.89]	Anxiety [0.69]	Falls [1.2]	Depression [0.71]	Congenital [0.99]	Self Harm [0.61]
Czech	Headaches [0.87]	Falls [2.17]	Back Pain [1.01]	Conduct [1.06]	Road Inj [0.49]	Neonatal [0.93]	Anxiety [0.67]	Depression [0.65]	Congenital [0.89]	Self Harm [0.55]
Hungary	Headaches [0.88]	Neonatal [1.37]	Back Pain [1.01]	Falls [1.9]	Conduct [1.03]	Anxiety [0.69]	Road Inj [0.41]	Congenital [1.16]	Depression [0.62]	Self Harm [0.56]
Macedonia	Headaches [0.88]	Neonatal [1.38]	Falls [2.06]	Road Inj [0.5]	Conduct [1.0]	Anxiety [0.73]	Back Pain [0.69]	Congenital [0.89]	Depression [0.61]	Iron [1.74]
Montenegro	Headaches [0.88]	Neonatal [1.35]	Falls [1.95]	Back Pain [0.96]	Conduct [1.02]	Road Inj [0.48]	Anxiety [0.71]	Depression [0.64]	Congenital [0.87]	Self Harm [0.47]
Poland	Headaches [0.88]	Neonatal [1.59]	Road Inj [0.61]	Falls [1.87]	Conduct [1.04]	Back Pain [0.74]	Anxiety [0.68]	Self Harm [0.89]	Congenital [1.04]	Depression [0.52]
Romania	Headaches [0.87]	Neonatal [1.47]	Road Inj [0.58]	Back Pain [1.06]	Falls [2.04]	Conduct [1.01]	Iron [3.64]	Anxiety [0.67]	Upper Digest [4.67]	Congenital [0.94]
Serbia	Neonatal [1.82]	Headaches [0.87]	Falls [2.07]	Back Pain [1.0]	Conduct [1.01]	Anxiety [0.73]	Road Inj [0.37]	Congenital [0.89]	Depression [0.6]	Dermatitis [0.61]
Slovakia	Headaches [0.88]	Falls [1.9]	Back Pain [1.01]	Conduct [1.04]	Road Inj [0.5]	Neonatal [1.03]	Anxiety [0.68]	Congenital [1.05]	Depression [0.58]	Upper Digest [3.32]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Slovenia	Headaches [0.88]	Falls [2.18]	Back Pain [1.08]	Road Inj [0.6]	Conduct [1.06]	Neonatal [1.09]	Anxiety [0.67]	Self Harm [0.83]	Congenital [1.12]	Depression [0.68]
Eastern Europe	Headaches [0.95]	Road Inj [0.76]	Neonatal [1.65]	Self Harm [1.52]	Conduct [1.08]	Falls [1.8]	Back Pain [0.79]	Depression [0.74]	Anxiety [0.6]	Congenital [1.0]
Belarus	Headaches [0.96]	Neonatal [1.66]	Conduct [1.01]	Falls [1.78]	Back Pain [0.82]	Road Inj [0.41]	Self Harm [0.84]	Depression [0.82]	Anxiety [0.62]	Upper Digest [4.68]
Estonia	Headaches [0.97]	Neonatal [1.72]	Conduct [1.07]	Falls [1.4]	Back Pain [0.73]	Depression [0.83]	Road Inj [0.41]	Self Harm [0.84]	Anxiety [0.57]	Upper Digest [5.47]
Latvia	Headaches [0.96]	Neonatal [1.57]	Road Inj [0.54]	Conduct [1.04]	Back Pain [0.81]	Falls [1.48]	Upper Digest [6.67]	Self Harm [0.81]	Anxiety [0.59]	Depression [0.68]
Lithuania	Headaches [1.05]	Neonatal [1.79]	Self Harm [1.37]	Road Inj [0.56]	Conduct [1.03]	Falls [1.48]	Back Pain [0.78]	Depression [0.88]	Anxiety [0.59]	Upper Digest [5.41]
Moldova	Headaches [0.98]	Neonatal [1.79]	Road Inj [0.57]	Conduct [0.98]	Upper Digest [6.02]	Falls [2.0]	Back Pain [0.89]	Depression [0.76]	Anxiety [0.69]	Self Harm [0.74]
Russian Federation	Headaches [0.94]	Road Inj [0.74]	Neonatal [1.65]	Self Harm [1.47]	Conduct [1.09]	Falls [1.79]	Back Pain [0.73]	Anxiety [0.6]	Depression [0.7]	Upper Digest [4.82]
Ukraine	Road Inj [0.92]	Self Harm [1.94]	Headaches [0.97]	Neonatal [1.65]	Conduct [1.06]	Back Pain [0.98]	Falls [1.99]	Congenital [1.34]	Drown [1.77]	Depression [0.85]
High-income	Headaches [0.94]	Anxiety [1.1]	Depression [1.38]	Back Pain [1.03]	Road Inj [0.55]	Drugs [2.69]	Conduct [1.03]	Neonatal [0.89]	Self Harm [0.81]	Acne [1.26]
Australasia	Depression [1.62]	Anxiety [1.26]	Headaches [0.88]	Back Pain [1.22]	Falls [1.71]	Road Inj [0.55]	Asthma [1.88]	Conduct [1.02]	Self Harm [1.04]	Neonatal [0.89]
Australia	Depression [1.65]	Anxiety [1.21]	Headaches [0.88]	Back Pain [1.17]	Falls [1.65]	Asthma [1.95]	Road Inj [0.53]	Conduct [1.0]	Self Harm [0.97]	Neonatal [0.87]
New Zealand	Anxiety [1.55]	Back Pain [1.51]	Headaches [0.89]	Depression [1.49]	Falls [2.03]	Road Inj [0.64]	Self Harm [1.36]	Conduct [1.09]	Neonatal [1.02]	Asthma [1.54]
High-income Asia Pacific	Back Pain [1.19]	Headaches [0.75]	Neonatal [1.12]	Anxiety [0.78]	Conduct [0.99]	Depression [0.94]	Acne [1.26]	Falls [1.05]	Self Harm [0.77]	Dermatitis [1.15]
Brunei	Road Inj [0.91]	Headaches [0.74]	Back Pain [0.96]	Neonatal [1.13]	Anxiety [0.8]	Conduct [0.93]	Depression [0.86]	Falls [1.11]	Drown [3.13]	Dermatitis [1.07]
Japan	Back Pain [1.27]	Headaches [0.7]	Neonatal [1.11]	Conduct [1.03]	Anxiety [0.77]	Depression [0.92]	Falls [1.14]	Acne [1.27]	Dermatitis [1.21]	Self Harm [0.73]
Aichi	Back Pain [1.26]	Neonatal [1.13]	Conduct [1.04]	Anxiety [0.76]	Headaches [0.56]	Depression [0.92]	Falls [1.12]	Acne [1.24]	Dermatitis [1.22]	Self Harm [0.71]
Akita	Back Pain [1.29]	Headaches [0.71]	Neonatal [1.22]	Conduct [1.01]	Depression [0.98]	Anxiety [0.79]	Self Harm [0.87]	Falls [1.2]	Dermatitis [1.22]	Acne [1.36]
Aomori	Back Pain [1.29]	Headaches [0.71]	Neonatal [1.14]	Conduct [1.0]	Anxiety [0.79]	Depression [0.95]	Falls [1.19]	Self Harm [0.77]	Dermatitis [1.22]	Acne [1.35]
Chiba	Back Pain [1.26]	Headaches [0.71]	Conduct [1.03]	Neonatal [1.1]	Anxiety [0.77]	Depression [0.92]	Falls [1.15]	Acne [1.28]	Dermatitis [1.22]	Self Harm [0.79]
Ehime	Back Pain [1.25]	Headaches [0.71]	Conduct [1.02]	Anxiety [0.78]	Depression [0.91]	Neonatal [0.93]	Falls [1.19]	Self Harm [0.79]	Road Inj [0.35]	Dermatitis [1.22]
Fukui	Back Pain [1.26]	Headaches [0.71]	Conduct [1.02]	Neonatal [1.1]	Anxiety [0.77]	Depression [0.89]	Falls [1.14]	Acne [1.31]	Dermatitis [1.22]	Road Inj [0.28]
Fukuoka	Back Pain [1.26]	Headaches [0.71]	Conduct [1.03]	Neonatal [1.09]	Anxiety [0.77]	Depression [0.91]	Falls [1.15]	Acne [1.3]	Dermatitis [1.21]	Iron [3.75]
Fukushima	Back Pain [1.28]	Headaches [0.7]	Conduct [1.01]	Neonatal [1.05]	Anxiety [0.79]	Depression [0.92]	Self Harm [0.88]	Falls [1.2]	Dermatitis [1.22]	Road Inj [0.34]
Gifu	Back Pain [1.29]	Headaches [0.71]	Neonatal [1.14]	Conduct [1.02]	Anxiety [0.78]	Depression [0.78]	Falls [1.17]	Road Inj [0.36]	Dermatitis [1.22]	Acne [1.3]
Gunma	Back Pain [1.28]	Headaches [0.71]	Conduct [1.02]	Neonatal [1.08]	Anxiety [0.78]	Depression [0.95]	Road Inj [0.39]	Falls [1.18]	Self Harm [0.85]	Acne [1.3]
Hiroshima	Back Pain [1.24]	Headaches [0.71]	Neonatal [1.15]	Conduct [1.04]	Anxiety [0.76]	Depression [0.88]	Falls [1.13]	Acne [1.26]	Dermatitis [1.22]	Road Inj [0.31]
Hokkaido	Back Pain [1.28]	Headaches [0.71]	Conduct [1.01]	Neonatal [1.08]	Anxiety [0.78]	Depression [0.93]	Falls [1.17]	Self Harm [0.78]	Dermatitis [1.21]	Acne [1.33]
Hyogo	Back Pain [1.26]	Headaches [0.72]	Neonatal [1.12]	Conduct [1.03]	Anxiety [0.77]	Depression [0.94]	Falls [1.14]	Acne [1.29]	Dermatitis [1.22]	Self Harm [0.75]
Ibaraki	Back Pain [1.27]	Headaches [0.62]	Neonatal [1.16]	Conduct [1.03]	Anxiety [0.77]	Depression [0.93]	Road Inj [0.45]	Falls [1.16]	Acne [1.31]	Dermatitis [1.21]
Ishikawa	Back Pain [1.26]	Headaches [0.72]	Conduct [1.02]	Neonatal [1.08]	Anxiety [0.77]	Depression [0.9]	Falls [1.16]	Acne [1.31]	Dermatitis [1.21]	Road Inj [0.31]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Iwate	Back Pain [1.29]	Headaches [0.71]	Neonatal [1.17]	Conduct [1.01]	Anxiety [0.79]	Depression [0.96]	Falls [1.19]	Self Harm [0.81]	Dermatitis [1.22]	Acne [1.35]
Kagawa	Back Pain [1.24]	Headaches [0.71]	Conduct [1.02]	Neonatal [1.06]	Anxiety [0.78]	Road Inj [0.45]	Depression [0.88]	Falls [1.16]	Dermatitis [1.22]	Acne [1.3]
Kagoshima	Back Pain [1.25]	Headaches [0.7]	Conduct [1.02]	Anxiety [0.79]	Neonatal [0.97]	Depression [0.78]	Falls [1.2]	Dermatitis [1.23]	Acne [1.31]	Road Inj [0.33]
Kanagawa	Back Pain [1.26]	Headaches [0.72]	Neonatal [1.15]	Conduct [1.04]	Anxiety [0.76]	Depression [0.95]	Falls [1.13]	Acne [1.26]	Dermatitis [1.21]	Self Harm [0.73]
Kochi	Back Pain [1.27]	Headaches [0.71]	Conduct [1.01]	Neonatal [1.04]	Anxiety [0.79]	Depression [0.9]	Falls [1.21]	Iron [3.9]	Dermatitis [1.22]	Acne [1.35]
Kumamoto	Back Pain [1.25]	Headaches [0.7]	Conduct [1.02]	Anxiety [0.79]	Neonatal [1.02]	Depression [0.89]	Falls [1.19]	Dermatitis [1.22]	Acne [1.34]	Iron [3.14]
Kyoto	Back Pain [1.29]	Headaches [0.73]	Neonatal [1.15]	Conduct [1.03]	Anxiety [0.76]	Depression [0.94]	Falls [1.12]	Acne [1.27]	Congenital [0.9]	Road Inj [0.28]
Mie	Back Pain [1.25]	Headaches [0.71]	Neonatal [1.14]	Conduct [1.03]	Anxiety [0.77]	Depression [0.89]	Road Inj [0.38]	Falls [1.15]	Acne [1.29]	Dermatitis [1.22]
Miyagi	Back Pain [1.29]	Headaches [0.72]	Conduct [1.02]	Neonatal [1.06]	Anxiety [0.78]	Depression [0.97]	Falls [1.16]	Acne [1.34]	Dermatitis [1.21]	Self Harm [0.66]
Miyazaki	Back Pain [1.26]	Headaches [0.7]	Conduct [1.01]	Anxiety [0.79]	Neonatal [1.02]	Depression [0.91]	Iron [4.08]	Falls [1.22]	Dermatitis [1.22]	Self Harm [0.76]
Nagano	Back Pain [1.26]	Headaches [0.71]	Neonatal [1.17]	Conduct [1.03]	Anxiety [0.77]	Depression [0.9]	Self Harm [0.88]	Falls [1.17]	Acne [1.31]	Dermatitis [1.22]
Nagasaki	Back Pain [1.25]	Headaches [0.71]	Conduct [1.01]	Anxiety [0.79]	Neonatal [1.02]	Depression [0.89]	Falls [1.21]	Dermatitis [1.22]	Acne [1.35]	Iron [3.42]
Nara	Back Pain [1.31]	Headaches [0.72]	Conduct [1.02]	Anxiety [0.78]	Neonatal [1.0]	Depression [0.91]	Falls [1.18]	Acne [1.31]	Dermatitis [1.21]	Road Inj [0.31]
Niigata	Back Pain [1.43]	Headaches [0.71]	Neonatal [1.13]	Conduct [1.02]	Anxiety [0.78]	Depression [0.97]	Falls [1.17]	Self Harm [0.82]	Acne [1.33]	Dermatitis [1.22]
Oita	Back Pain [1.25]	Headaches [0.71]	Neonatal [1.17]	Conduct [1.02]	Anxiety [0.78]	Depression [0.91]	Falls [1.18]	Dermatitis [1.22]	Acne [1.32]	Self Harm [0.7]
Okayama	Back Pain [1.27]	Headaches [0.72]	Neonatal [1.18]	Conduct [1.03]	Anxiety [0.77]	Depression [0.9]	Falls [1.14]	Acne [1.3]	Dermatitis [1.21]	Road Inj [0.3]
Okinawa	Back Pain [1.25]	Headaches [0.7]	Conduct [1.01]	Neonatal [1.07]	Anxiety [0.79]	Depression [0.88]	Falls [1.22]	Dermatitis [1.22]	Acne [1.34]	Iron [3.46]
Osaka	Back Pain [1.28]	Headaches [0.72]	Conduct [1.03]	Anxiety [0.76]	Neonatal [1.05]	Depression [0.96]	Falls [1.14]	Acne [1.26]	Dermatitis [1.21]	Self Harm [0.71]
Saga	Back Pain [1.26]	Headaches [0.71]	Conduct [1.01]	Neonatal [1.06]	Anxiety [0.79]	Depression [0.88]	Falls [1.18]	Dermatitis [1.22]	Acne [1.33]	Road Inj [0.33]
Saitama	Back Pain [1.31]	Headaches [0.71]	Conduct [1.02]	Neonatal [1.09]	Anxiety [0.78]	Depression [0.95]	Falls [1.18]	Self Harm [0.83]	Acne [1.31]	Dermatitis [1.21]
Shiga	Back Pain [1.26]	Headaches [0.71]	Conduct [1.04]	Anxiety [0.76]	Neonatal [1.04]	Depression [0.89]	Dermatitis [1.5]	Falls [1.12]	Acne [1.26]	Road Inj [0.3]
Shimane	Back Pain [1.18]	Headaches [0.7]	Conduct [1.02]	Neonatal [1.05]	Anxiety [0.79]	Depression [0.92]	Self Harm [0.83]	Falls [1.2]	Dermatitis [1.21]	Acne [1.33]
Shizuoka	Back Pain [1.24]	Headaches [0.71]	Neonatal [1.22]	Conduct [1.04]	Anxiety [0.77]	Depression [0.9]	Falls [1.13]	Acne [1.28]	Dermatitis [1.22]	Road Inj [0.3]
Tochigi	Back Pain [1.27]	Headaches [0.71]	Neonatal [1.17]	Conduct [1.03]	Anxiety [0.77]	Depression [0.9]	Road Inj [0.41]	Falls [1.15]	Self Harm [0.84]	Dermatitis [1.22]
Tokushima	Back Pain [1.26]	Headaches [0.72]	Neonatal [1.11]	Conduct [1.01]	Anxiety [0.78]	Depression [0.91]	Falls [1.18]	Road Inj [0.37]	Dermatitis [1.22]	Acne [1.3]
Tokyo	Back Pain [1.24]	Headaches [0.73]	Neonatal [1.15]	Conduct [1.08]	Anxiety [0.73]	Depression [0.88]	Falls [1.04]	Acne [1.16]	Dermatitis [1.23]	Self Harm [0.81]
Tottori	Back Pain [1.26]	Headaches [0.66]	Neonatal [1.13]	Conduct [1.01]	Anxiety [0.79]	Depression [0.91]	Falls [1.19]	Road Inj [0.35]	Dermatitis [1.22]	Acne [1.33]
Toyama	Back Pain [1.25]	Headaches [0.71]	Conduct [1.04]	Neonatal [1.07]	Anxiety [0.77]	Depression [0.91]	Self Harm [0.9]	Falls [1.15]	Road Inj [0.37]	Acne [1.28]
Wakayama	Back Pain [1.44]	Headaches [0.71]	Neonatal [1.17]	Conduct [1.02]	Anxiety [0.78]	Depression [0.92]	Falls [1.17]	Dermatitis [1.22]	Acne [1.31]	Road Inj [0.28]
Yamagata	Back Pain [1.28]	Headaches [0.71]	Conduct [1.01]	Anxiety [0.79]	Neonatal [0.96]	Depression [0.88]	Falls [1.21]	Self Harm [0.78]	Dermatitis [1.22]	Acne [1.35]
Yamaguchi	Back Pain [1.25]	Headaches [0.71]	Conduct [1.02]	Anxiety [0.78]	Neonatal [0.98]	Depression [0.91]	Falls [1.15]	Acne [1.31]	Dermatitis [1.22]	Road Inj [0.33]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Yamanashi	Back Pain [1.28]	Headaches [0.71]	Neonatal [1.23]	Conduct [1.03]	Anxiety [0.77]	Depression [0.91]	Falls [1.15]	Acne [1.29]	Dermatitis [1.2]	Iron [3.84]
S Korea	Headaches [0.86]	Back Pain [1.06]	Neonatal [1.14]	Anxiety [0.83]	Depression [0.97]	Conduct [0.89]	Self Harm [0.88]	Road Inj [0.38]	Acne [1.29]	Falls [0.89]
Singapore	Headaches [0.72]	Depression [1.24]	Back Pain [0.91]	Neonatal [1.14]	Anxiety [0.82]	Conduct [0.89]	Acne [1.23]	Falls [0.99]	Dermatitis [0.95]	Road Inj [0.27]
High-income North America	Drugs [5.3]	Depression [1.83]	Headaches [1.02]	Road Inj [0.77]	Anxiety [1.02]	Conduct [1.2]	Back Pain [0.83]	Self Harm [1.09]	Violence [3.77]	Neonatal [0.86]
Canada	Headaches [1.04]	Drugs [4.22]	Depression [1.36]	Road Inj [0.67]	Back Pain [0.93]	Anxiety [0.83]	Self Harm [1.23]	Conduct [1.02]	Acne [1.25]	Dermatitis [1.22]
Greenland	Self Harm [6.67]	Depression [2.51]	Headaches [1.01]	Drugs [3.74]	Anxiety [1.04]	Violence [2.62]	Conduct [0.98]	Back Pain [0.79]	Road Inj [0.35]	Dermatitis [1.17]
USA	Drugs [5.43]	Depression [1.87]	Headaches [1.01]	Road Inj [0.78]	Anxiety [1.05]	Conduct [1.21]	Back Pain [0.82]	Self Harm [1.07]	Violence [3.88]	Neonatal [0.88]
Alabama	Drugs [6.81]	Road Inj [1.29]	Depression [1.84]	Headaches [1.02]	Anxiety [1.08]	Back Pain [1.05]	Violence [4.72]	Conduct [1.17]	Self Harm [1.09]	Neonatal [0.87]
Alaska	Drugs [6.02]	Depression [1.87]	Self Harm [2.07]	Headaches [1.01]	Anxiety [1.05]	Road Inj [0.62]	Conduct [1.21]	Back Pain [0.93]	Neonatal [0.84]	Oth MSK [5.87]
Arizona	Drugs [7.0]	Depression [2.13]	Headaches [1.01]	Road Inj [0.73]	Anxiety [1.07]	Conduct [1.18]	Self Harm [1.33]	Back Pain [0.9]	Neonatal [0.88]	Violence [3.01]
Arkansas	Road Inj [1.27]	Drugs [6.4]	Depression [2.15]	Headaches [1.02]	Anxiety [1.09]	Self Harm [1.36]	Conduct [1.17]	Violence [3.6]	Back Pain [0.82]	Neonatal [0.77]
California	Depression [1.83]	Headaches [1.02]	Drugs [3.92]	Anxiety [1.02]	Conduct [1.21]	Road Inj [0.58]	Violence [4.41]	Back Pain [0.7]	Dermatitis [1.31]	Acne [1.3]
Colorado	Depression [2.07]	Drugs [4.71]	Headaches [1.02]	Self Harm [1.74]	Road Inj [0.71]	Anxiety [1.04]	Conduct [1.22]	Back Pain [0.83]	Neonatal [0.89]	Oth MSK [5.77]
Connecticut	Drugs [6.31]	Headaches [1.04]	Depression [1.67]	Anxiety [1.02]	Conduct [1.23]	Road Inj [0.6]	Neonatal [1.03]	Back Pain [0.7]	Dermatitis [1.37]	Acne [1.27]
Delaware	Drugs [7.23]	Depression [1.97]	Headaches [1.03]	Road Inj [0.84]	Anxiety [1.05]	Conduct [1.2]	Back Pain [0.72]	Self Harm [0.95]	Neonatal [0.85]	Violence [3.57]
DC	Violence [17.57]	Drugs [5.4]	Headaches [1.06]	Depression [1.63]	Anxiety [1.06]	Conduct [1.2]	Road Inj [0.54]	Dermatitis [1.53]	Acne [1.45]	Neonatal [0.89]
Florida	Drugs [5.68]	Depression [1.83]	Headaches [1.03]	Road Inj [0.84]	Anxiety [1.06]	Conduct [1.2]	Violence [4.48]	Neonatal [0.98]	Back Pain [0.73]	Self Harm [0.99]
Georgia	Drugs [5.12]	Headaches [1.02]	Road Inj [0.89]	Depression [1.77]	Anxiety [1.07]	Conduct [1.19]	Violence [4.4]	Back Pain [0.8]	Self Harm [0.96]	Neonatal [0.81]
Hawaii	Depression [1.85]	Headaches [1.02]	Anxiety [1.04]	Road Inj [0.62]	Conduct [1.21]	Drugs [2.76]	Self Harm [1.04]	Dermatitis [1.41]	Neonatal [0.81]	Acne [1.32]
Idaho	Drugs [5.27]	Depression [2.07]	Road Inj [0.89]	Headaches [1.01]	Self Harm [1.57]	Anxiety [1.07]	Conduct [1.19]	Back Pain [0.84]	Oth MSK [6.21]	Neonatal [0.73]
Illinois	Drugs [4.7]	Headaches [1.03]	Depression [1.7]	Violence [6.91]	Anxiety [1.04]	Road Inj [0.63]	Conduct [1.21]	Back Pain [0.9]	Neonatal [1.03]	Oth MSK [5.89]
Indiana	Drugs [6.68]	Depression [1.98]	Road Inj [0.93]	Headaches [1.02]	Anxiety [1.07]	Conduct [1.18]	Back Pain [0.96]	Self Harm [1.28]	Violence [4.02]	Neonatal [0.84]
Iowa	Headaches [1.02]	Depression [1.78]	Back Pain [1.43]	Road Inj [0.83]	Anxiety [1.05]	Conduct [1.2]	Drugs [2.8]	Self Harm [1.25]	Oth MSK [7.04]	Neonatal [0.85]
Kansas	Depression [1.89]	Road Inj [0.95]	Headaches [1.02]	Drugs [3.55]	Back Pain [1.13]	Anxiety [1.05]	Conduct [1.2]	Self Harm [1.24]	Neonatal [0.9]	Oth MSK [5.85]
Kentucky	Drugs [9.86]	Road Inj [1.06]	Depression [1.99]	Headaches [1.01]	Anxiety [1.08]	Back Pain [1.09]	Conduct [1.17]	Self Harm [1.2]	Neonatal [0.86]	Oth MSK [6.3]
Louisiana	Drugs [7.14]	Road Inj [1.06]	Violence [7.22]	Headaches [1.02]	Depression [1.78]	Anxiety [1.08]	Conduct [1.18]	Self Harm [1.14]	Back Pain [0.87]	Neonatal [0.79]
Maine	Drugs [7.24]	Depression [1.95]	Road Inj [0.96]	Headaches [1.02]	Anxiety [1.05]	Conduct [1.2]	Self Harm [1.37]	Back Pain [0.89]	Oth MSK [7.51]	Neonatal [0.88]
Maryland	Depression [1.78]	Headaches [1.03]	Drugs [3.92]	Anxiety [1.03]	Violence [6.92]	Road Inj [0.66]	Conduct [1.23]	Self Harm [1.15]	Neonatal [1.02]	Back Pain [0.66]
Massachusetts	Drugs [6.31]	Depression [1.81]	Headaches [1.05]	Anxiety [1.02]	Conduct [1.24]	Road Inj [0.51]	Neonatal [0.98]	Back Pain [0.68]	Oth MSK [5.46]	Self Harm [0.94]
Michigan	Drugs [6.29]	Depression [1.93]	Road Inj [0.76]	Headaches [0.83]	Anxiety [1.05]	Conduct [1.2]	Self Harm [1.25]	Violence [4.6]	Back Pain [0.79]	Neonatal [0.87]
Minnesota	Depression [1.83]	Headaches [1.03]	Anxiety [1.03]	Conduct [1.23]	Road Inj [0.61]	Drugs [2.74]	Self Harm [1.31]	Back Pain [0.72]	Neonatal [0.92]	Oth MSK [5.58]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Mississippi	Road Inj [1.52]	Drugs [6.35]	Headaches [1.02]	Depression [1.8]	Anxiety [1.1]	Violence [4.25]	Conduct [1.17]	Self Harm [1.0]	Back Pain [0.74]	Neonatal [0.84]
Missouri	Drugs [5.89]	Road Inj [1.01]	Depression [2.01]	Headaches [1.02]	Anxiety [1.06]	Conduct [1.19]	Violence [5.01]	Self Harm [1.23]	Back Pain [0.9]	Neonatal [0.9]
Montana	Road Inj [1.44]	Drugs [5.4]	Depression [1.97]	Self Harm [2.08]	Headaches [1.01]	Anxiety [1.05]	Conduct [1.21]	Back Pain [0.94]	Oth MSK [6.81]	Neonatal [0.85]
Nebraska	Road Inj [1.0]	Headaches [1.02]	Depression [1.76]	Back Pain [1.22]	Anxiety [1.04]	Conduct [1.22]	Drugs [2.8]	Self Harm [1.2]	Neonatal [0.85]	Oth MSK [5.51]
Nevada	Drugs [7.25]	Depression [1.96]	Headaches [1.01]	Road Inj [0.77]	Anxiety [1.07]	Conduct [1.19]	Violence [4.52]	Self Harm [1.24]	Back Pain [0.71]	Neonatal [0.83]
New Hampshire	Drugs [7.22]	Depression [2.03]	Headaches [1.04]	Anxiety [1.02]	Road Inj [0.67]	Conduct [1.23]	Back Pain [0.83]	Self Harm [1.04]	Oth MSK [5.97]	Neonatal [0.83]
New Jersey	Drugs [5.15]	Headaches [1.03]	Depression [1.57]	Anxiety [1.02]	Conduct [1.23]	Back Pain [0.77]	Road Inj [0.49]	Neonatal [0.93]	Dermatitis [1.43]	Acne [1.3]
New Mexico	Drugs [6.55]	Depression [2.14]	Road Inj [0.96]	Headaches [1.01]	Self Harm [1.67]	Anxiety [1.08]	Conduct [1.18]	Back Pain [0.96]	Violence [3.38]	Neonatal [0.93]
New York	Drugs [4.59]	Depression [1.94]	Headaches [1.03]	Anxiety [1.03]	Conduct [1.22]	Road Inj [0.48]	Neonatal [0.97]	Acne [1.48]	Dermatitis [1.5]	Back Pain [0.69]
N Carolina	Drugs [5.57]	Depression [1.83]	Road Inj [0.9]	Headaches [1.02]	Anxiety [1.0]	Conduct [1.11]	Self Harm [0.99]	Back Pain [0.72]	Neonatal [0.89]	Violence [3.4]
N Dakota	Road Inj [1.29]	Headaches [1.02]	Depression [1.7]	Self Harm [1.68]	Anxiety [1.04]	Back Pain [1.02]	Conduct [1.22]	Oth MSK [8.75]	Drugs [2.71]	Neonatal [0.92]
Ohio	Drugs [7.85]	Depression [1.9]	Headaches [1.02]	Road Inj [0.76]	Anxiety [1.06]	Conduct [1.19]	Back Pain [0.87]	Self Harm [1.15]	Violence [3.82]	Neonatal [0.83]
Oklahoma	Drugs [7.85]	Road Inj [1.16]	Depression [1.96]	Headaches [1.01]	Self Harm [1.51]	Anxiety [1.07]	Conduct [1.18]	Back Pain [0.98]	Violence [3.62]	Oth MSK [6.38]
Oregon	Drugs [6.55]	Depression [2.05]	Headaches [1.02]	Road Inj [0.63]	Anxiety [0.97]	Self Harm [1.36]	Conduct [1.1]	Back Pain [0.76]	Oth MSK [6.04]	Dermatitis [1.22]
Pennsylvania	Drugs [7.72]	Depression [1.84]	Headaches [0.93]	Road Inj [0.73]	Anxiety [1.04]	Back Pain [1.04]	Conduct [1.21]	Self Harm [1.03]	Violence [4.25]	Oth MSK [6.4]
Rhode Island	Drugs [7.93]	Depression [2.02]	Headaches [1.04]	Anxiety [1.04]	Conduct [1.21]	Road Inj [0.53]	Back Pain [0.68]	Neonatal [0.84]	Self Harm [0.85]	Oth MSK [5.21]
S Carolina	Drugs [6.56]	Road Inj [1.2]	Depression [1.91]	Headaches [1.02]	Anxiety [1.07]	Conduct [1.18]	Back Pain [0.86]	Violence [4.1]	Self Harm [1.05]	Neonatal [0.83]
S Dakota	Road Inj [1.38]	Headaches [1.01]	Self Harm [1.94]	Depression [1.65]	Back Pain [1.23]	Anxiety [1.05]	Conduct [1.21]	Drugs [2.77]	Oth MSK [7.55]	Neonatal [0.75]
Tennessee	Drugs [8.07]	Road Inj [0.96]	Depression [1.95]	Headaches [1.02]	Anxiety [1.08]	Conduct [1.17]	Violence [4.17]	Back Pain [0.85]	Self Harm [1.07]	Neonatal [0.83]
Texas	Depression [1.81]	Headaches [1.01]	Road Inj [0.83]	Drugs [3.73]	Anxiety [1.07]	Conduct [1.33]	Self Harm [1.04]	Back Pain [0.8]	Neonatal [0.96]	Violence [2.98]
Utah	Drugs [6.1]	Depression [2.24]	Headaches [1.01]	Self Harm [1.89]	Anxiety [1.06]	Road Inj [0.65]	Conduct [1.19]	Back Pain [0.83]	Neonatal [0.81]	Oth MSK [5.26]
Vermont	Drugs [5.45]	Depression [1.89]	Headaches [1.04]	Road Inj [0.79]	Anxiety [1.04]	Conduct [1.23]	Self Harm [1.13]	Back Pain [0.77]	Neonatal [0.93]	Oth MSK [5.43]
Virginia	Depression [1.98]	Drugs [4.39]	Headaches [1.03]	Road Inj [0.71]	Anxiety [1.04]	Conduct [1.22]	Self Harm [1.11]	Back Pain [0.75]	Neonatal [0.95]	Dermatitis [1.33]
Washington	Drugs [5.36]	Depression [2.03]	Headaches [1.02]	Anxiety [1.03]	Conduct [1.22]	Self Harm [1.29]	Road Inj [0.55]	Back Pain [0.83]	Oth MSK [6.64]	Neonatal [0.81]
W Virginia	Drugs [12.62]	Road Inj [1.15]	Depression [2.0]	Headaches [1.01]	Anxiety [1.09]	Conduct [1.16]	Self Harm [1.22]	Back Pain [0.92]	Neonatal [0.83]	Oth MSK [5.37]
Wisconsin	Drugs [5.45]	Depression [1.97]	Headaches [1.02]	Road Inj [0.71]	Anxiety [1.04]	Conduct [1.21]	Back Pain [0.94]	Self Harm [1.26]	Neonatal [0.93]	Oth MSK [5.61]
Wyoming	Road Inj [1.18]	Depression [2.08]	Headaches [1.01]	Self Harm [2.0]	Drugs [4.06]	Back Pain [1.15]	Anxiety [1.04]	Conduct [1.22]	Oth MSK [6.28]	Neonatal [0.71]
Southern Latin America	Anxiety [1.36]	Road Inj [0.67]	Back Pain [1.36]	Depression [1.38]	Self Harm [1.33]	Headaches [0.66]	Conduct [0.93]	Neonatal [0.99]	Violence [1.67]	Dermatitis [1.02]
Argentina	Road Inj [0.74]	Anxiety [1.38]	Self Harm [1.46]	Back Pain [1.23]	Depression [1.35]	Headaches [0.63]	Conduct [0.93]	Violence [1.73]	Neonatal [0.97]	Drugs [1.62]
Chile	Back Pain [1.8]	Anxiety [1.32]	Depression [1.51]	Headaches [0.71]	Road Inj [0.47]	Conduct [0.92]	Neonatal [1.01]	Self Harm [0.94]	Dermatitis [1.22]	Violence [1.43]
Uruguay	Road Inj [0.73]	Anxiety [1.39]	Self Harm [1.26]	Headaches [0.67]	Back Pain [1.08]	Depression [1.12]	Conduct [0.93]	Neonatal [1.03]	Violence [1.53]	Drown [0.89]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Western Europe	Headaches [1.0]	Anxiety [1.24]	Back Pain [1.1]	Depression [1.09]	Conduct [0.91]	Road Inj [0.38]	Neonatal [0.81]	Acne [1.34]	Dermatitis [1.13]	Asthma [1.08]
Andorra	Headaches [1.02]	Anxiety [1.14]	Back Pain [1.06]	Depression [1.05]	Conduct [0.92]	Dermatitis [1.4]	Acne [1.27]	Neonatal [0.84]	Road Inj [0.39]	Asthma [1.2]
Austria	Headaches [1.04]	Anxiety [1.17]	Neonatal [1.36]	Back Pain [0.86]	Road Inj [0.46]	Conduct [0.89]	Depression [0.77]	Acne [1.35]	Self Harm [0.74]	Falls [0.91]
Belgium	Headaches [1.25]	Anxiety [1.13]	Back Pain [0.94]	Depression [1.05]	Conduct [0.91]	Road Inj [0.41]	Acne [1.14]	Falls [0.93]	Dermatitis [0.95]	Self Harm [0.63]
Cyprus	Headaches [1.02]	Road Inj [0.83]	Anxiety [1.18]	Back Pain [1.13]	Neonatal [1.09]	Depression [1.0]	Conduct [0.89]	Acne [1.29]	Falls [0.86]	Asthma [0.94]
Denmark	Back Pain [1.38]	Anxiety [1.13]	Headaches [0.85]	Conduct [0.91]	Dermatitis [1.45]	Depression [0.79]	Acne [1.2]	Road Inj [0.35]	Neonatal [0.66]	Asthma [1.03]
Finland	Headaches [1.01]	Neonatal [1.7]	Depression [1.37]	Anxiety [0.83]	Conduct [0.9]	Dermatitis [1.48]	Road Inj [0.44]	Back Pain [0.62]	Acne [1.27]	Self Harm [0.9]
France	Anxiety [1.41]	Headaches [0.83]	Back Pain [1.08]	Depression [1.12]	Conduct [0.9]	Road Inj [0.42]	Acne [1.48]	Dermatitis [1.31]	Neonatal [0.64]	Asthma [1.05]
Germany	Anxiety [1.4]	Back Pain [1.38]	Headaches [0.87]	Depression [1.04]	Conduct [0.9]	Road Inj [0.44]	Neonatal [0.92]	Acne [1.16]	Falls [0.84]	Dermatitis [0.91]
Greece	Headaches [1.19]	Anxiety [1.33]	Depression [1.35]	Road Inj [0.62]	Back Pain [0.95]	Conduct [0.87]	Neonatal [0.86]	Acne [1.49]	Congenital [0.89]	Falls [0.89]
Iceland	Headaches [1.02]	Anxiety [1.14]	Back Pain [1.01]	Dermatitis [1.55]	Conduct [0.92]	Depression [0.88]	Asthma [1.6]	Acne [1.3]	Neonatal [0.85]	Road Inj [0.4]
Ireland	Headaches [1.01]	Anxiety [1.27]	Depression [1.21]	Back Pain [0.81]	Conduct [0.9]	Asthma [1.42]	Acne [1.27]	Dermatitis [1.22]	Neonatal [0.72]	Road Inj [0.31]
Israel	Headaches [0.99]	Back Pain [1.17]	Depression [1.14]	Anxiety [0.74]	Neonatal [0.95]	Conduct [0.87]	Road Inj [0.38]	Acne [1.29]	Blindness [3.01]	Dermatitis [1.03]
Italy	Headaches [1.24]	Anxiety [1.26]	Back Pain [1.01]	Depression [1.08]	Conduct [0.89]	Road Inj [0.41]	Acne [1.39]	Neonatal [0.64]	Dermatitis [0.94]	Congenital [0.8]
Luxembourg	Headaches [1.17]	Anxiety [1.13]	Back Pain [0.99]	Neonatal [1.1]	Road Inj [0.52]	Depression [0.96]	Conduct [0.93]	Dermatitis [1.41]	Acne [1.27]	Asthma [1.28]
Malta	Headaches [1.02]	Anxiety [1.21]	Back Pain [1.12]	Depression [1.02]	Conduct [0.87]	Acne [1.37]	Congenital [1.07]	Falls [1.06]	Road Inj [0.33]	Neonatal [0.71]
Netherlands	Anxiety [1.39]	Headaches [1.06]	Depression [1.08]	Back Pain [0.8]	Conduct [1.01]	Acne [1.27]	Neonatal [0.85]	Dermatitis [1.25]	Asthma [1.16]	Road Inj [0.32]
Norway	Anxiety [1.58]	Headaches [1.07]	Back Pain [0.95]	Depression [1.02]	Conduct [1.0]	Neonatal [1.0]	Dermatitis [1.44]	Acne [1.29]	Asthma [1.46]	Falls [1.02]
Portugal	Headaches [1.0]	Anxiety [1.27]	Depression [1.28]	Back Pain [1.11]	Conduct [0.85]	Asthma [1.53]	Road Inj [0.36]	Acne [1.49]	Neonatal [0.6]	Dermatitis [0.86]
Spain	Headaches [1.18]	Anxiety [1.15]	Back Pain [1.19]	Depression [1.03]	Conduct [0.88]	Acne [1.36]	Neonatal [0.7]	Road Inj [0.3]	Falls [0.85]	Drugs [1.3]
Sweden	Headaches [1.06]	Anxiety [1.14]	Depression [1.22]	Back Pain [0.92]	Dermatitis [1.85]	Conduct [1.01]	Acne [1.51]	Asthma [1.6]	Falls [1.01]	Neonatal [0.75]
Stockholm	Headaches [1.06]	Anxiety [1.12]	Conduct [1.04]	Depression [0.99]	Acne [1.43]	Dermatitis [1.46]	Back Pain [0.61]	Asthma [1.38]	Falls [0.96]	Neonatal [0.73]
Sweden w/o Stockholm	Headaches [1.06]	Anxiety [1.15]	Depression [1.28]	Back Pain [1.01]	Dermatitis [1.96]	Conduct [1.0]	Asthma [1.66]	Acne [1.53]	Neonatal [0.76]	Falls [1.03]
Switzerland	Back Pain [2.12]	Anxiety [1.15]	Headaches [0.86]	Depression [0.95]	Conduct [0.91]	Dermatitis [1.4]	Neonatal [0.83]	Acne [1.28]	Asthma [1.07]	Road Inj [0.3]
UK	Headaches [0.93]	Anxiety [1.04]	Depression [1.11]	Back Pain [0.92]	Conduct [0.98]	Asthma [1.73]	Neonatal [0.98]	Dermatitis [1.56]	Drugs [2.01]	Acne [1.33]
England	Headaches [0.92]	Anxiety [1.0]	Back Pain [0.92]	Depression [1.1]	Conduct [1.0]	Asthma [1.75]	Neonatal [1.01]	Dermatitis [1.59]	Drugs [2.01]	Acne [1.32]
E Midlands	Headaches [0.93]	Anxiety [1.02]	Depression [1.1]	Back Pain [0.93]	Conduct [0.99]	Asthma [1.67]	Neonatal [0.96]	Dermatitis [1.55]	Drugs [2.02]	Road Inj [0.35]
Derby	Headaches [0.92]	Anxiety [1.01]	Back Pain [0.94]	Depression [1.09]	Conduct [1.0]	Asthma [1.67]	Neonatal [0.96]	Dermatitis [1.55]	Drugs [2.12]	Acne [1.3]
Derbyshire	Headaches [0.92]	Anxiety [1.04]	Depression [1.1]	Conduct [0.98]	Back Pain [0.83]	Asthma [1.66]	Dermatitis [1.56]	Neonatal [0.89]	Drugs [2.08]	Road Inj [0.35]
Leicester	Headaches [0.93]	Anxiety [1.01]	Back Pain [0.95]	Depression [1.11]	Conduct [0.99]	Asthma [1.7]	Dermatitis [1.55]	Drugs [2.1]	Neonatal [0.82]	Acne [1.32]
Leicestershire	Headaches [0.93]	Anxiety [1.01]	Back Pain [0.95]	Depression [1.1]	Conduct [1.0]	Dermatitis [1.55]	Asthma [1.64]	Drugs [1.93]	Neonatal [0.8]	Acne [1.39]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Lincolnshire	Headaches [0.93]	Anxiety [1.05]	Back Pain [0.96]	Depression [1.11]	Conduct [0.97]	Road Inj [0.46]	Asthma [1.68]	Neonatal [0.96]	Dermatitis [1.55]	Drugs [2.1]
Northamptonshire	Headaches [0.91]	Anxiety [1.02]	Back Pain [0.94]	Depression [1.08]	Conduct [0.99]	Neonatal [1.06]	Asthma [1.67]	Dermatitis [1.57]	Drugs [1.99]	Road Inj [0.36]
Nottingham	Headaches [0.96]	Anxiety [1.0]	Back Pain [0.97]	Depression [1.13]	Neonatal [1.16]	Conduct [1.0]	Asthma [1.74]	Dermatitis [1.54]	Drugs [2.04]	Acne [1.3]
Nottinghamshire	Headaches [0.91]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.09]	Conduct [0.98]	Neonatal [1.07]	Asthma [1.67]	Dermatitis [1.55]	Drugs [1.93]	Acne [1.39]
Rutland	Headaches [0.93]	Anxiety [1.01]	Back Pain [0.96]	Depression [1.12]	Conduct [0.99]	Dermatitis [1.53]	Asthma [1.61]	Drugs [1.95]	Road Inj [0.37]	Acne [1.42]
E England	Headaches [0.92]	Anxiety [1.01]	Depression [1.09]	Back Pain [0.92]	Conduct [1.0]	Asthma [1.65]	Dermatitis [1.55]	Neonatal [0.92]	Drugs [1.94]	Acne [1.37]
Bedford	Headaches [0.92]	Anxiety [1.01]	Back Pain [0.94]	Depression [1.09]	Neonatal [1.13]	Conduct [0.99]	Dermatitis [1.55]	Asthma [1.64]	Drugs [2.09]	Acne [1.35]
Cambridgeshire	Headaches [0.93]	Anxiety [0.99]	Depression [1.1]	Back Pain [0.86]	Conduct [1.02]	Dermatitis [1.55]	Asthma [1.65]	Neonatal [0.92]	Drugs [1.88]	Acne [1.35]
Cen Bedfordshire	Headaches [0.91]	Anxiety [1.01]	Back Pain [0.92]	Depression [1.08]	Conduct [1.0]	Neonatal [1.0]	Dermatitis [1.56]	Asthma [1.64]	Drugs [1.87]	Acne [1.37]
Essex	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.93]	Depression [1.09]	Conduct [0.99]	Dermatitis [1.55]	Asthma [1.64]	Neonatal [0.91]	Drugs [1.96]	Acne [1.4]
Hertfordshire	Headaches [0.92]	Anxiety [0.99]	Back Pain [0.91]	Depression [1.08]	Conduct [1.02]	Dermatitis [1.56]	Asthma [1.63]	Neonatal [0.9]	Acne [1.3]	Drugs [1.75]
Luton	Headaches [0.91]	Anxiety [1.01]	Back Pain [0.92]	Depression [1.07]	Conduct [1.0]	Neonatal [1.04]	Asthma [1.71]	Dermatitis [1.57]	Drugs [1.84]	Acne [1.28]
Norfolk	Headaches [0.93]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.1]	Conduct [0.98]	Asthma [1.65]	Dermatitis [1.55]	Drugs [2.19]	Neonatal [0.78]	Acne [1.43]
Peterborough	Headaches [0.91]	Anxiety [1.03]	Back Pain [0.93]	Depression [1.07]	Conduct [0.99]	Asthma [1.75]	Dermatitis [1.56]	Drugs [2.17]	Road Inj [0.37]	Neonatal [0.73]
Southend-on-Sea	Headaches [0.91]	Anxiety [1.04]	Depression [1.09]	Back Pain [0.92]	Neonatal [1.11]	Conduct [0.98]	Asthma [1.65]	Dermatitis [1.56]	Drugs [2.29]	Acne [1.4]
Suffolk	Headaches [0.91]	Anxiety [1.03]	Depression [1.09]	Back Pain [0.93]	Conduct [0.98]	Neonatal [0.97]	Dermatitis [1.55]	Asthma [1.63]	Drugs [1.99]	Acne [1.42]
Thurrock	Headaches [0.91]	Anxiety [1.04]	Depression [1.08]	Back Pain [0.91]	Conduct [0.98]	Neonatal [1.03]	Asthma [1.73]	Dermatitis [1.57]	Drugs [1.83]	Acne [1.39]
Greater London	Headaches [0.93]	Anxiety [0.97]	Back Pain [0.91]	Depression [1.08]	Asthma [1.96]	Conduct [1.04]	Neonatal [1.04]	Dermatitis [1.58]	Drugs [1.84]	Acne [1.2]
Barking & Dagenham	Headaches [0.9]	Anxiety [1.04]	Dermatitis [2.06]	Back Pain [0.94]	Depression [1.07]	Asthma [1.93]	Conduct [0.98]	Neonatal [1.02]	Drugs [2.01]	Acne [1.34]
Barnet	Headaches [0.91]	Anxiety [0.99]	Back Pain [0.91]	Depression [1.07]	Asthma [1.9]	Conduct [1.02]	Neonatal [0.98]	Dermatitis [1.56]	Drugs [1.85]	Acne [1.3]
Bexley	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.1]	Asthma [1.93]	Conduct [0.98]	Dermatitis [1.56]	Neonatal [0.95]	Drugs [1.85]	Acne [1.41]
Brent	Headaches [0.91]	Anxiety [1.0]	Back Pain [0.92]	Depression [1.07]	Asthma [1.94]	Conduct [1.01]	Neonatal [1.05]	Dermatitis [1.56]	Drugs [1.88]	Acne [1.32]
Bromley	Headaches [0.92]	Anxiety [1.0]	Back Pain [0.93]	Depression [1.08]	Neonatal [1.12]	Asthma [1.9]	Conduct [1.0]	Dermatitis [1.56]	Drugs [1.82]	Acne [1.35]
Camden	Headaches [0.97]	Anxiety [0.96]	Back Pain [0.94]	Depression [1.13]	Asthma [1.98]	Drugs [2.29]	Conduct [1.05]	Dermatitis [1.57]	Neonatal [0.88]	Acne [1.24]
Croydon	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.93]	Depression [1.08]	Asthma [1.95]	Conduct [0.99]	Neonatal [1.01]	Dermatitis [1.57]	Drugs [1.84]	Acne [1.34]
Ealing	Headaches [0.91]	Anxiety [0.99]	Back Pain [0.91]	Depression [1.07]	Asthma [1.95]	Neonatal [1.13]	Conduct [1.02]	Dermatitis [1.57]	Drugs [1.77]	Acne [1.27]
Enfield	Headaches [0.91]	Anxiety [1.01]	Back Pain [0.93]	Depression [1.07]	Asthma [1.9]	Conduct [1.0]	Neonatal [1.05]	Dermatitis [1.56]	Drugs [1.78]	Acne [1.34]
Greenwich	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.94]	Depression [1.09]	Asthma [1.92]	Conduct [0.99]	Neonatal [0.97]	Dermatitis [1.56]	Drugs [2.04]	Acne [1.34]
Hackney	Headaches [0.93]	Anxiety [0.98]	Asthma [2.09]	Back Pain [0.92]	Depression [1.08]	Conduct [1.03]	Neonatal [1.01]	Dermatitis [1.57]	Drugs [2.1]	Acne [1.21]
Hammersmith & Fulham	Headaches [0.95]	Anxiety [0.95]	Back Pain [0.91]	Depression [1.1]	Asthma [1.99]	Conduct [1.06]	Drugs [2.13]	Neonatal [0.99]	Dermatitis [1.58]	Acne [1.19]
Haringey	Headaches [0.91]	Anxiety [1.0]	Back Pain [0.92]	Depression [1.07]	Asthma [1.96]	Neonatal [1.1]	Conduct [1.01]	Dermatitis [1.56]	Drugs [1.89]	Acne [1.29]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Harrow	Headaches [0.91]	Anxiety [1.0]	Back Pain [0.92]	Depression [1.08]	Neonatal [1.15]	Asthma [1.9]	Conduct [1.01]	Dermatitis [1.56]	Drugs [1.79]	Acne [1.34]
Havering	Headaches [0.93]	Anxiety [1.03]	Back Pain [0.96]	Depression [1.1]	Asthma [1.93]	Conduct [0.98]	Neonatal [1.0]	Dermatitis [1.55]	Drugs [1.92]	Acne [1.4]
Hillingdon	Headaches [0.93]	Anxiety [0.98]	Back Pain [0.93]	Depression [1.1]	Asthma [2.0]	Neonatal [1.15]	Conduct [1.02]	Dermatitis [1.56]	Drugs [1.9]	Acne [1.29]
Hounslow	Headaches [0.92]	Anxiety [0.98]	Back Pain [0.91]	Depression [1.08]	Asthma [1.96]	Conduct [1.03]	Neonatal [1.09]	Dermatitis [1.57]	Drugs [1.79]	Acne [1.24]
Islington	Headaches [0.96]	Anxiety [0.96]	Back Pain [0.93]	Asthma [2.07]	Depression [1.11]	Drugs [2.4]	Conduct [1.04]	Dermatitis [1.58]	Neonatal [0.86]	Acne [1.2]
Kensington & Chelsea	Headaches [0.96]	Anxiety [0.95]	Back Pain [0.92]	Depression [1.12]	Asthma [1.97]	Drugs [2.27]	Conduct [1.05]	Dermatitis [1.58]	Acne [1.25]	Neonatal [0.85]
Kingston upon Thames	Headaches [0.95]	Anxiety [0.98]	Back Pain [0.93]	Depression [1.11]	Asthma [1.95]	Neonatal [1.08]	Conduct [1.02]	Dermatitis [1.57]	Drugs [1.97]	Acne [1.29]
Lambeth	Headaches [0.94]	Anxiety [0.97]	Back Pain [0.91]	Depression [1.08]	Asthma [1.98]	Conduct [1.04]	Dermatitis [1.58]	Drugs [2.03]	Acne [1.19]	Neonatal [0.73]
Lewisham	Headaches [0.92]	Anxiety [1.01]	Neonatal [1.21]	Back Pain [0.93]	Depression [1.08]	Asthma [1.95]	Conduct [1.0]	Dermatitis [1.56]	Drugs [1.83]	Acne [1.29]
Merton	Headaches [0.91]	Anxiety [0.98]	Back Pain [0.9]	Depression [1.07]	Asthma [1.95]	Conduct [1.03]	Neonatal [1.04]	Dermatitis [1.56]	Acne [1.26]	Drugs [1.69]
Newham	Headaches [0.93]	Anxiety [1.02]	Back Pain [0.95]	Depression [1.1]	Asthma [1.94]	Neonatal [1.08]	Conduct [0.99]	Dermatitis [1.56]	Drugs [1.89]	Acne [1.32]
Redbridge	Headaches [0.9]	Anxiety [1.02]	Back Pain [0.93]	Depression [1.07]	Asthma [1.92]	Conduct [1.0]	Neonatal [1.01]	Dermatitis [1.56]	Drugs [1.81]	Acne [1.34]
Richmond upon Thames	Headaches [0.93]	Anxiety [0.97]	Back Pain [0.9]	Depression [1.07]	Neonatal [1.14]	Asthma [1.91]	Conduct [1.04]	Dermatitis [1.58]	Drugs [1.76]	Acne [1.23]
Southwark	Headaches [0.94]	Anxiety [0.96]	Back Pain [0.91]	Depression [1.1]	Asthma [1.99]	Conduct [1.05]	Dermatitis [1.58]	Drugs [1.92]	Acne [1.19]	Neonatal [0.75]
Sutton	Headaches [0.92]	Anxiety [1.01]	Neonatal [1.29]	Back Pain [0.93]	Depression [1.09]	Asthma [1.93]	Conduct [1.0]	Dermatitis [1.56]	Drugs [1.88]	Acne [1.35]
Tower Hamlets	Headaches [0.94]	Anxiety [0.96]	Back Pain [0.92]	Asthma [2.03]	Depression [1.09]	Neonatal [1.11]	Conduct [1.04]	Dermatitis [1.57]	Drugs [1.91]	Acne [1.19]
Waltham Forest	Headaches [0.91]	Anxiety [1.03]	Back Pain [0.93]	Depression [1.08]	Asthma [1.91]	Conduct [0.99]	Neonatal [1.02]	Dermatitis [1.57]	Drugs [2.01]	Acne [1.35]
Wandsworth	Headaches [0.94]	Anxiety [0.96]	Back Pain [0.9]	Depression [1.09]	Asthma [1.94]	Conduct [1.04]	Dermatitis [1.59]	Neonatal [0.9]	Drugs [1.76]	Acne [1.19]
Westminster	Headaches [0.95]	Anxiety [0.95]	Back Pain [0.93]	Depression [1.11]	Asthma [2.04]	Conduct [1.06]	Drugs [2.14]	Dermatitis [1.56]	Acne [1.23]	Neonatal [0.8]
NE England	Headaches [0.92]	Anxiety [1.03]	Depression [1.1]	Back Pain [0.94]	Conduct [0.98]	Dermatitis [1.68]	Asthma [1.7]	Drugs [2.25]	Neonatal [0.91]	Congenital [1.05]
County Durham	Headaches [0.93]	Anxiety [1.04]	Depression [1.11]	Dermatitis [1.87]	Back Pain [0.89]	Conduct [0.97]	Asthma [1.74]	Neonatal [0.98]	Drugs [2.17]	Congenital [1.03]
Darlington	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.09]	Conduct [0.99]	Asthma [1.72]	Dermatitis [1.56]	Drugs [2.25]	Neonatal [0.88]	Road Inj [0.37]
Gateshead	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.96]	Depression [1.1]	Dermatitis [1.85]	Drugs [2.58]	Conduct [0.98]	Neonatal [1.01]	Asthma [1.74]	Congenital [1.08]
Hartlepool	Headaches [0.92]	Anxiety [1.05]	Back Pain [0.96]	Depression [1.11]	Conduct [0.96]	Neonatal [1.05]	Asthma [1.75]	Drugs [2.5]	Dermatitis [1.55]	Congenital [1.01]
Middlesbrough	Headaches [0.92]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.1]	Conduct [0.97]	Asthma [1.74]	Dermatitis [1.55]	Drugs [2.22]	Neonatal [0.8]	Congenital [1.01]
Newcastle upon Tyne	Headaches [0.96]	Anxiety [0.99]	Back Pain [0.97]	Depression [1.14]	Conduct [1.0]	Drugs [2.29]	Asthma [1.74]	Dermatitis [1.53]	Neonatal [0.84]	Acne [1.35]
N Tyneside	Headaches [0.91]	Anxiety [1.02]	Back Pain [0.93]	Depression [1.08]	Conduct [0.99]	Asthma [1.69]	Dermatitis [1.56]	Drugs [2.17]	Neonatal [0.84]	Congenital [1.07]
Northumberland	Headaches [0.91]	Anxiety [1.03]	Back Pain [0.94]	Depression [1.09]	Conduct [0.98]	Asthma [1.68]	Dermatitis [1.55]	Drugs [2.24]	Neonatal [0.88]	Congenital [1.04]
Redcar & Cleveland	Headaches [0.92]	Anxiety [1.05]	Depression [1.1]	Back Pain [0.95]	Conduct [0.97]	Asthma [1.69]	Dermatitis [1.55]	Drugs [2.2]	Neonatal [0.83]	Road Inj [0.34]
S Tyneside	Headaches [0.93]	Anxiety [1.06]	Back Pain [0.96]	Depression [1.11]	Dermatitis [1.87]	Conduct [0.96]	Asthma [1.7]	Drugs [2.27]	Neonatal [0.88]	Congenital [1.0]
Stockton-on-Tees	Headaches [0.91]	Anxiety [1.02]	Back Pain [0.94]	Depression [1.09]	Neonatal [1.12]	Conduct [0.99]	Asthma [1.73]	Dermatitis [1.55]	Drugs [2.24]	Road Inj [0.37]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Sunderland	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.1]	Dermatitis [1.87]	Conduct [0.98]	Drugs [2.2]	Asthma [1.53]	Neonatal [0.77]	Congenital [1.04]
NW England	Headaches [0.92]	Anxiety [1.01]	Depression [1.11]	Back Pain [0.93]	Neonatal [1.12]	Conduct [0.99]	Asthma [1.74]	Dermatitis [1.55]	Drugs [2.24]	Congenital [1.06]
Blackburn with Darwen	Headaches [0.91]	Anxiety [1.05]	Back Pain [0.95]	Depression [1.08]	Neonatal [1.11]	Conduct [0.98]	Asthma [1.74]	Dermatitis [1.56]	Drugs [2.17]	Acne [1.35]
Blackpool	Headaches [0.92]	Anxiety [1.07]	Drugs [3.09]	Back Pain [0.97]	Depression [1.1]	Neonatal [1.08]	Conduct [0.96]	Asthma [1.78]	Dermatitis [1.57]	Congenital [0.92]
Bolton	Headaches [0.91]	Anxiety [1.04]	Back Pain [0.96]	Depression [1.09]	Conduct [0.98]	Neonatal [1.06]	Asthma [1.71]	Drugs [2.4]	Dermatitis [1.55]	Congenital [0.98]
Bury	Headaches [0.9]	Anxiety [1.02]	Back Pain [0.95]	Depression [1.08]	Conduct [0.99]	Neonatal [1.01]	Asthma [1.66]	Dermatitis [1.55]	Drugs [2.16]	Acne [1.34]
Cheshire E	Headaches [0.93]	Neonatal [1.38]	Anxiety [0.99]	Back Pain [0.94]	Depression [1.09]	Conduct [1.01]	Asthma [1.7]	Dermatitis [1.56]	Drugs [1.91]	Acne [1.3]
Cheshire W & Chester	Headaches [0.93]	Anxiety [1.0]	Back Pain [0.94]	Depression [1.1]	Neonatal [1.12]	Conduct [1.0]	Asthma [1.72]	Dermatitis [1.55]	Drugs [2.15]	Road Inj [0.4]
Cumbria	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.94]	Depression [1.1]	Neonatal [1.11]	Conduct [0.99]	Asthma [1.72]	Dermatitis [1.55]	Drugs [2.27]	Road Inj [0.41]
Halton	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.93]	Depression [1.09]	Neonatal [1.14]	Conduct [0.98]	Asthma [1.73]	Dermatitis [1.56]	Drugs [2.14]	Acne [1.34]
Knowsley	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.1]	Neonatal [1.09]	Asthma [1.84]	Conduct [0.98]	Drugs [2.37]	Dermatitis [1.55]	Congenital [1.21]
Lancashire	Headaches [0.93]	Anxiety [1.02]	Depression [1.1]	Back Pain [0.88]	Neonatal [1.08]	Conduct [0.99]	Asthma [1.75]	Dermatitis [1.55]	Drugs [2.24]	Congenital [1.07]
Liverpool	Headaches [0.96]	Depression [1.31]	Anxiety [0.93]	Back Pain [0.96]	Neonatal [1.21]	Drugs [2.55]	Conduct [0.98]	Asthma [1.74]	Dermatitis [1.54]	Congenital [1.15]
Manchester	Headaches [0.95]	Anxiety [0.98]	Back Pain [0.98]	Neonatal [1.2]	Depression [1.11]	Conduct [1.02]	Asthma [1.77]	Dermatitis [1.55]	Drugs [2.05]	Acne [1.22]
Oldham	Headaches [0.91]	Anxiety [1.05]	Back Pain [0.96]	Depression [1.09]	Asthma [1.88]	Conduct [0.97]	Dermatitis [1.56]	Drugs [2.36]	Congenital [1.13]	Neonatal [0.83]
Rochdale	Headaches [0.91]	Anxiety [1.05]	Back Pain [0.96]	Depression [1.09]	Conduct [0.97]	Asthma [1.78]	Drugs [2.47]	Dermatitis [1.56]	Neonatal [0.86]	Congenital [1.0]
Salford	Headaches [0.92]	Anxiety [1.02]	Neonatal [1.25]	Back Pain [0.95]	Depression [1.09]	Conduct [0.99]	Asthma [1.79]	Dermatitis [1.56]	Drugs [2.23]	Road Inj [0.37]
Sefton	Headaches [0.92]	Anxiety [1.04]	Back Pain [0.94]	Depression [1.09]	Neonatal [1.12]	Conduct [0.98]	Drugs [2.49]	Asthma [1.71]	Dermatitis [1.55]	Congenital [1.08]
St Helens	Headaches [0.91]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.09]	Neonatal [1.13]	Conduct [0.98]	Asthma [1.73]	Drugs [2.45]	Dermatitis [1.55]	Road Inj [0.38]
Stockport	Headaches [0.92]	Anxiety [1.01]	Back Pain [0.93]	Depression [1.09]	Conduct [1.0]	Asthma [1.69]	Dermatitis [1.56]	Neonatal [0.94]	Drugs [2.09]	Acne [1.31]
Tameside	Headaches [0.91]	Anxiety [1.05]	Depression [1.09]	Conduct [0.97]	Asthma [1.74]	Dermatitis [1.56]	Back Pain [0.77]	Neonatal [0.92]	Drugs [2.19]	Congenital [0.95]
Trafford	Headaches [0.91]	Anxiety [0.98]	Neonatal [1.22]	Back Pain [0.91]	Depression [1.07]	Conduct [1.03]	Asthma [1.73]	Dermatitis [1.57]	Drugs [1.79]	Acne [1.25]
Warrington	Headaches [0.92]	Anxiety [0.99]	Neonatal [1.3]	Back Pain [0.93]	Depression [1.09]	Conduct [1.01]	Asthma [1.74]	Dermatitis [1.55]	Drugs [2.15]	Acne [1.29]
Wigan	Headaches [0.91]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.08]	Neonatal [1.13]	Conduct [0.98]	Asthma [1.72]	Dermatitis [1.55]	Drugs [2.28]	Congenital [0.99]
Wirral	Headaches [0.91]	Anxiety [1.04]	Neonatal [1.27]	Back Pain [0.94]	Depression [1.09]	Conduct [0.98]	Asthma [1.7]	Drugs [2.39]	Dermatitis [1.55]	Congenital [1.08]
SE England	Headaches [0.92]	Anxiety [1.0]	Depression [1.09]	Back Pain [0.91]	Conduct [1.0]	Dermatitis [1.71]	Asthma [1.78]	Neonatal [1.03]	Drugs [1.91]	Acne [1.34]
Bracknell Forest	Headaches [0.92]	Anxiety [0.99]	Back Pain [0.91]	Depression [1.08]	Conduct [1.02]	Dermatitis [1.56]	Asthma [1.62]	Acne [1.32]	Neonatal [0.8]	Drugs [1.73]
Brighton & Hove	Headaches [0.96]	Anxiety [0.98]	Depression [1.13]	Back Pain [0.93]	Dermatitis [1.85]	Drugs [2.46]	Neonatal [1.12]	Conduct [1.01]	Asthma [1.66]	Acne [1.32]
Buckinghamshire	Headaches [0.92]	Anxiety [0.99]	Back Pain [0.92]	Depression [1.09]	Neonatal [1.15]	Conduct [1.01]	Dermatitis [1.56]	Asthma [1.62]	Drugs [1.83]	Acne [1.31]
E Sussex	Headaches [0.92]	Anxiety [1.04]	Depression [1.1]	Back Pain [0.94]	Dermatitis [1.83]	Neonatal [1.1]	Conduct [0.97]	Asthma [1.57]	Drugs [2.17]	Acne [1.42]
Hampshire	Headaches [0.92]	Asthma [2.43]	Anxiety [1.0]	Back Pain [0.92]	Depression [1.09]	Conduct [1.0]	Neonatal [1.01]	Dermatitis [1.56]	Acne [1.38]	Drugs [1.84]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Isle of Wight	Headaches [0.92]	Asthma [2.43]	Anxiety [1.03]	Depression [1.1]	Back Pain [0.94]	Conduct [0.98]	Neonatal [0.95]	Dermatitis [1.5]	Drugs [2.1]	Acne [1.46]
Kent	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.93]	Depression [1.1]	Dermatitis [1.83]	Conduct [0.99]	Neonatal [1.0]	Asthma [1.6]	Drugs [1.98]	Acne [1.39]
Medway	Headaches [0.92]	Anxiety [1.04]	Depression [1.1]	Back Pain [0.93]	Neonatal [1.07]	Conduct [0.97]	Asthma [1.65]	Dermatitis [1.55]	Drugs [2.08]	Acne [1.4]
Milton Keynes	Headaches [0.91]	Anxiety [1.0]	Back Pain [0.9]	Depression [1.06]	Conduct [1.02]	Dermatitis [1.58]	Asthma [1.66]	Neonatal [0.88]	Drugs [1.73]	Acne [1.25]
Oxfordshire	Headaches [0.94]	Anxiety [0.98]	Dermatitis [2.04]	Back Pain [0.92]	Depression [1.1]	Conduct [1.02]	Asthma [1.63]	Neonatal [0.93]	Drugs [1.84]	Acne [1.32]
Portsmouth	Headaches [0.94]	Anxiety [1.0]	Depression [1.12]	Back Pain [0.93]	Conduct [1.0]	Neonatal [0.98]	Drugs [2.22]	Asthma [1.65]	Dermatitis [1.54]	Acne [1.35]
Reading	Headaches [0.94]	Anxiety [0.97]	Dermatitis [2.06]	Neonatal [1.21]	Back Pain [0.91]	Depression [1.1]	Conduct [1.03]	Asthma [1.69]	Drugs [2.0]	Acne [1.23]
Slough	Headaches [0.9]	Anxiety [0.99]	Back Pain [0.89]	Depression [1.05]	Conduct [1.02]	Neonatal [1.07]	Asthma [1.77]	Dermatitis [1.58]	Drugs [1.83]	Acne [1.22]
Southampton	Headaches [0.94]	Anxiety [1.0]	Depression [1.12]	Back Pain [0.93]	Conduct [1.0]	Neonatal [0.97]	Asthma [1.66]	Dermatitis [1.54]	Drugs [2.14]	Acne [1.36]
Surrey	Headaches [0.93]	Anxiety [0.98]	Depression [1.09]	Dermatitis [1.83]	Neonatal [1.12]	Back Pain [0.84]	Conduct [1.03]	Asthma [1.62]	Acne [1.29]	Drugs [1.73]
West Berkshire	Headaches [0.92]	Anxiety [0.99]	Back Pain [0.92]	Depression [1.09]	Conduct [1.02]	Dermatitis [1.56]	Asthma [1.66]	Neonatal [0.93]	Acne [1.32]	Drugs [1.76]
W Sussex	Headaches [0.91]	Anxiety [1.0]	Back Pain [0.92]	Depression [1.08]	Conduct [1.0]	Asthma [1.86]	Neonatal [1.05]	Dermatitis [1.62]	Drugs [1.94]	Acne [1.35]
Windsor & Maidenhead	Headaches [0.92]	Anxiety [0.96]	Back Pain [0.9]	Depression [1.07]	Conduct [1.04]	Dermatitis [1.56]	Neonatal [0.96]	Asthma [1.63]	Acne [1.24]	Drugs [1.71]
Wokingham	Headaches [0.92]	Anxiety [0.97]	Back Pain [0.9]	Depression [1.08]	Conduct [1.03]	Neonatal [0.99]	Dermatitis [1.57]	Asthma [1.62]	Acne [1.27]	Drugs [1.63]
SW England	Headaches [0.93]	Anxiety [1.01]	Depression [1.1]	Back Pain [0.93]	Neonatal [1.08]	Conduct [0.99]	Dermatitis [1.55]	Asthma [1.64]	Drugs [2.04]	Acne [1.39]
Bath & NE Somerset	Headaches [0.96]	Neonatal [1.43]	Anxiety [0.99]	Back Pain [0.95]	Depression [1.14]	Conduct [1.0]	Dermatitis [1.54]	Asthma [1.61]	Drugs [2.01]	Acne [1.4]
Bournemouth	Headaches [0.95]	Anxiety [1.0]	Depression [1.12]	Back Pain [0.94]	Conduct [1.0]	Neonatal [1.06]	Drugs [2.21]	Dermatitis [1.54]	Asthma [1.63]	Acne [1.38]
Bristol	Headaches [0.95]	Anxiety [0.99]	Neonatal [1.22]	Back Pain [0.92]	Depression [1.12]	Conduct [1.01]	Asthma [1.68]	Dermatitis [1.56]	Drugs [2.05]	Acne [1.28]
Cornwall	Headaches [0.93]	Anxiety [1.04]	Depression [1.11]	Back Pain [0.89]	Neonatal [1.07]	Conduct [0.98]	Dermatitis [1.55]	Asthma [1.62]	Drugs [2.08]	Acne [1.44]
Devon	Headaches [0.92]	Anxiety [1.01]	Back Pain [0.94]	Depression [1.11]	Conduct [0.99]	Neonatal [0.98]	Dermatitis [1.55]	Asthma [1.63]	Drugs [2.12]	Acne [1.42]
Dorset	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.93]	Depression [1.09]	Conduct [0.99]	Neonatal [1.05]	Dermatitis [1.55]	Asthma [1.64]	Drugs [2.04]	Acne [1.43]
Gloucestershire	Headaches [0.93]	Anxiety [1.01]	Back Pain [0.93]	Depression [1.1]	Conduct [1.0]	Neonatal [0.99]	Dermatitis [1.55]	Asthma [1.64]	Drugs [1.97]	Acne [1.39]
N Somerset	Headaches [0.92]	Anxiety [1.02]	Neonatal [1.17]	Depression [1.09]	Back Pain [0.92]	Conduct [0.99]	Asthma [1.66]	Dermatitis [1.56]	Drugs [2.25]	Acne [1.35]
Plymouth	Headaches [0.93]	Anxiety [1.02]	Depression [1.11]	Back Pain [0.93]	Neonatal [1.07]	Conduct [0.98]	Drugs [2.32]	Dermatitis [1.55]	Asthma [1.64]	Acne [1.38]
Poole	Headaches [0.92]	Anxiety [1.01]	Depression [1.09]	Back Pain [0.92]	Conduct [1.0]	Neonatal [1.05]	Dermatitis [1.56]	Asthma [1.62]	Drugs [1.82]	Acne [1.37]
Somerset	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.11]	Neonatal [1.13]	Conduct [0.98]	Dermatitis [1.55]	Asthma [1.63]	Drugs [2.04]	Acne [1.45]
S Gloucestershire	Headaches [0.93]	Anxiety [0.99]	Back Pain [0.92]	Depression [1.09]	Neonatal [1.12]	Conduct [1.01]	Dermatitis [1.55]	Asthma [1.65]	Acne [1.35]	Drugs [1.82]
Swindon	Headaches [0.92]	Anxiety [1.01]	Back Pain [0.93]	Depression [1.08]	Conduct [1.0]	Asthma [1.67]	Dermatitis [1.56]	Drugs [1.89]	Neonatal [0.77]	Acne [1.32]
Torbay	Headaches [0.91]	Anxiety [1.05]	Depression [1.1]	Back Pain [0.94]	Conduct [0.97]	Dermatitis [1.56]	Asthma [1.63]	Drugs [2.38]	Neonatal [0.88]	Acne [1.46]
Wiltshire	Headaches [0.92]	Anxiety [1.02]	Neonatal [1.25]	Back Pain [0.94]	Depression [1.09]	Conduct [0.99]	Dermatitis [1.55]	Asthma [1.63]	Drugs [1.93]	Acne [1.41]
W Midlands	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.93]	Depression [1.09]	Conduct [0.99]	Neonatal [1.01]	Asthma [1.69]	Dermatitis [1.55]	Drugs [2.02]	Acne [1.34]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Birmingham	Headaches [0.92]	Anxiety [1.01]	Back Pain [0.94]	Depression [1.09]	Conduct [0.99]	Neonatal [0.98]	Asthma [1.68]	Dermatitis [1.56]	Drugs [2.0]	Acne [1.3]
Coventry	Headaches [0.94]	Anxiety [1.01]	Back Pain [0.95]	Depression [1.12]	Conduct [0.99]	Asthma [1.73]	Dermatitis [1.55]	Neonatal [0.95]	Drugs [2.03]	Acne [1.32]
Dudley	Headaches [0.91]	Anxiety [1.05]	Back Pain [0.96]	Depression [1.09]	Neonatal [1.12]	Conduct [0.97]	Asthma [1.71]	Dermatitis [1.56]	Drugs [2.11]	Acne [1.38]
Herefordshire	Headaches [0.93]	Anxiety [1.02]	Back Pain [0.95]	Depression [1.1]	Road Inj [0.5]	Conduct [0.98]	Neonatal [1.03]	Asthma [1.68]	Dermatitis [1.56]	Drugs [2.15]
Sandwell	Headaches [0.9]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.08]	Neonatal [1.1]	Conduct [0.98]	Asthma [1.77]	Dermatitis [1.56]	Drugs [1.94]	Congenital [0.92]
Shropshire	Headaches [0.93]	Anxiety [1.02]	Back Pain [0.96]	Depression [1.11]	Conduct [0.98]	Neonatal [1.0]	Dermatitis [1.55]	Asthma [1.64]	Drugs [2.0]	Acne [1.41]
Solihull	Headaches [0.92]	Anxiety [1.0]	Back Pain [0.93]	Depression [1.09]	Conduct [1.01]	Asthma [1.7]	Dermatitis [1.55]	Drugs [1.91]	Road Inj [0.38]	Acne [1.33]
Staffordshire	Headaches [0.92]	Anxiety [1.02]	Depression [1.1]	Conduct [0.99]	Back Pain [0.85]	Neonatal [0.99]	Asthma [1.68]	Dermatitis [1.55]	Drugs [2.09]	Road Inj [0.37]
Stoke-on-Trent	Headaches [0.91]	Anxiety [1.04]	Neonatal [1.21]	Depression [1.09]	Conduct [0.98]	Back Pain [0.85]	Asthma [1.71]	Dermatitis [1.56]	Drugs [2.25]	Acne [1.34]
Telford & Wrekin	Headaches [0.93]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.1]	Conduct [0.97]	Neonatal [1.01]	Asthma [1.7]	Dermatitis [1.56]	Drugs [2.14]	Road Inj [0.35]
Walsall	Headaches [0.91]	Anxiety [1.05]	Back Pain [0.97]	Depression [1.09]	Conduct [0.97]	Neonatal [1.02]	Asthma [1.73]	Dermatitis [1.56]	Drugs [2.17]	Acne [1.38]
Warwickshire	Headaches [0.92]	Anxiety [1.0]	Back Pain [0.93]	Depression [1.09]	Conduct [1.01]	Neonatal [1.02]	Asthma [1.69]	Dermatitis [1.56]	Drugs [1.91]	Acne [1.32]
Wolverhampton	Headaches [0.92]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.1]	Conduct [0.98]	Asthma [1.69]	Dermatitis [1.55]	Drugs [1.99]	Neonatal [0.74]	Acne [1.35]
Worcestershire	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.94]	Depression [1.1]	Neonatal [1.14]	Conduct [0.99]	Dermatitis [1.55]	Asthma [1.64]	Drugs [1.96]	Acne [1.36]
Yorkshire & Humber	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.95]	Depression [1.1]	Conduct [0.99]	Asthma [1.72]	Dermatitis [1.55]	Neonatal [0.95]	Drugs [2.12]	Acne [1.36]
Barnsley	Headaches [0.92]	Anxiety [1.06]	Back Pain [0.97]	Depression [1.1]	Conduct [0.96]	Asthma [1.81]	Neonatal [1.01]	Dermatitis [1.56]	Drugs [2.38]	Road Inj [0.34]
Bradford	Headaches [0.91]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.08]	Conduct [0.98]	Neonatal [1.07]	Asthma [1.68]	Dermatitis [1.56]	Drugs [1.98]	Acne [1.35]
Calderdale	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.09]	Conduct [0.98]	Asthma [1.73]	Drugs [2.35]	Dermatitis [1.56]	Neonatal [0.91]	Road Inj [0.39]
Doncaster	Headaches [0.92]	Anxiety [1.06]	Neonatal [1.24]	Back Pain [0.96]	Depression [1.09]	Conduct [0.96]	Asthma [1.74]	Dermatitis [1.57]	Drugs [2.23]	Road Inj [0.35]
E Riding of Yorkshire	Headaches [0.93]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.11]	Conduct [0.98]	Asthma [1.73]	Dermatitis [1.55]	Road Inj [0.43]	Neonatal [0.94]	Drugs [2.09]
Kingston upon Hull	Headaches [0.91]	Anxiety [1.03]	Back Pain [0.94]	Depression [1.09]	Conduct [0.98]	Asthma [1.8]	Drugs [2.5]	Dermatitis [1.55]	Neonatal [0.87]	Acne [1.36]
Kirklees	Headaches [0.92]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.1]	Conduct [0.98]	Asthma [1.69]	Dermatitis [1.56]	Neonatal [0.88]	Drugs [2.11]	Acne [1.38]
Leeds	Headaches [0.94]	Anxiety [0.99]	Back Pain [0.94]	Depression [1.11]	Conduct [1.01]	Asthma [1.71]	Dermatitis [1.55]	Drugs [2.01]	Neonatal [0.84]	Acne [1.29]
NE Lincolnshire	Headaches [0.92]	Anxiety [1.04]	Back Pain [0.94]	Depression [1.09]	Conduct [0.97]	Asthma [1.77]	Dermatitis [1.56]	Drugs [2.29]	Neonatal [0.91]	Road Inj [0.35]
N Lincolnshire	Headaches [0.91]	Anxiety [1.04]	Back Pain [0.94]	Depression [1.08]	Conduct [0.98]	Road Inj [0.48]	Asthma [1.78]	Dermatitis [1.56]	Drugs [2.09]	Neonatal [0.84]
N Yorkshire	Headaches [0.91]	Anxiety [1.01]	Back Pain [0.94]	Depression [1.09]	Conduct [1.0]	Neonatal [1.08]	Asthma [1.65]	Dermatitis [1.55]	Drugs [1.9]	Acne [1.38]
Rotherham	Headaches [0.92]	Anxiety [1.05]	Back Pain [0.97]	Depression [1.1]	Conduct [0.97]	Asthma [1.75]	Dermatitis [1.56]	Drugs [2.2]	Neonatal [0.86]	Road Inj [0.34]
Sheffield	Headaches [0.95]	Anxiety [1.0]	Back Pain [0.96]	Depression [1.12]	Conduct [0.99]	Neonatal [0.98]	Asthma [1.69]	Dermatitis [1.54]	Drugs [2.13]	Acne [1.35]
Wakefield	Headaches [0.92]	Anxiety [1.04]	Back Pain [0.96]	Depression [1.09]	Conduct [0.97]	Asthma [1.79]	Drugs [2.43]	Dermatitis [1.56]	Road Inj [0.4]	Neonatal [0.75]
York	Headaches [0.96]	Anxiety [0.99]	Back Pain [0.96]	Depression [1.14]	Conduct [1.01]	Asthma [1.71]	Drugs [2.18]	Dermatitis [1.54]	Neonatal [0.85]	Road Inj [0.4]
N Ireland	Anxiety [1.67]	Headaches [1.0]	Depression [1.21]	Back Pain [0.98]	Road Inj [0.43]	Conduct [0.83]	Asthma [1.55]	Neonatal [0.84]	Dermatitis [1.3]	Acne [1.36]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Scotland	Headaches [0.98]	Anxiety [1.12]	Depression [1.14]	Back Pain [0.92]	Asthma [1.78]	Drugs [2.55]	Conduct [0.91]	Dermatitis [1.44]	Neonatal [0.81]	Road Inj [0.35]
Wales	Headaches [1.0]	Anxiety [1.12]	Depression [1.2]	Conduct [0.9]	Back Pain [0.77]	Asthma [1.51]	Neonatal [0.83]	Dermatitis [1.31]	Road Inj [0.36]	Acne [1.42]
Latin America and Caribbean	Violence [4.99]	Headaches [1.17]	Road Inj [0.81]	Back Pain [1.28]	Neonatal [1.18]	Conduct [0.95]	Anxiety [0.94]	Depression [0.93]	Self Harm [0.71]	Congenital [0.75]
Andean Latin America	Headaches [1.12]	Road Inj [0.67]	Back Pain [1.08]	Neonatal [1.12]	Conduct [0.94]	Anxiety [0.97]	Self Harm [0.81]	Violence [0.96]	Dermatitis [1.4]	Depression [0.77]
Bolivia	Headaches [1.16]	Road Inj [0.66]	Back Pain [1.21]	Iron [1.2]	Conduct [0.93]	Neonatal [1.08]	Anxiety [1.02]	Violence [0.89]	Asthma [1.38]	Dermatitis [1.46]
Ecuador	Road Inj [1.02]	Headaches [1.33]	Self Harm [1.65]	Violence [1.63]	Neonatal [1.13]	Back Pain [1.0]	Conduct [0.93]	Anxiety [0.97]	Depression [0.98]	Epilepsy [1.36]
Peru	Headaches [0.99]	Back Pain [1.08]	Road Inj [0.47]	Neonatal [1.13]	Conduct [0.94]	Anxiety [0.96]	Dermatitis [1.48]	LRI [1.35]	Asthma [1.16]	Iron [0.9]
Caribbean	Road Inj [1.05]	Headaches [1.15]	Violence [2.27]	Disaster [363.5]	Iron [1.79]	Anxiety [1.05]	Conduct [0.86]	Depression [0.95]	Neonatal [0.95]	Asthma [1.56]
Antigua	Iron [5.53]	Headaches [1.13]	Anxiety [0.97]	Drown [1.71]	Road Inj [0.45]	Conduct [0.87]	Neonatal [0.98]	Asthma [1.49]	Depression [0.83]	Violence [1.55]
Bahamas	Violence [5.83]	Headaches [1.13]	Road Inj [0.72]	Anxiety [0.94]	Drown [2.14]	Conduct [0.89]	Neonatal [0.97]	Asthma [1.56]	Depression [0.82]	Back Pain [0.71]
Barbados	Headaches [1.13]	Violence [3.02]	Road Inj [0.56]	Anxiety [0.95]	Neonatal [1.05]	Conduct [0.88]	Depression [0.87]	Back Pain [0.73]	Drown [1.55]	Asthma [1.44]
Belize	Violence [2.97]	Headaches [1.16]	Road Inj [0.8]	Iron [1.57]	Anxiety [1.1]	Drown [0.99]	Neonatal [1.05]	Conduct [0.86]	Asthma [1.61]	Depression [0.94]
Bermuda	Headaches [1.13]	Anxiety [0.89]	Conduct [0.91]	Neonatal [0.98]	Asthma [1.68]	Depression [0.87]	Road Inj [0.41]	Back Pain [0.7]	Acne [1.21]	Dermatitis [0.98]
Cuba	Headaches [1.14]	Anxiety [1.01]	Conduct [0.87]	Neonatal [0.96]	Depression [0.93]	Road Inj [0.38]	Asthma [1.53]	Iron [1.37]	Back Pain [0.64]	Violence [0.96]
Dominica	Road Inj [1.02]	Headaches [1.13]	Violence [2.5]	Drown [1.94]	Iron [2.3]	Anxiety [1.0]	Neonatal [1.11]	Epilepsy [2.09]	Asthma [1.75]	Conduct [0.87]
Dominican Rep	Road Inj [1.14]	Headaches [1.17]	Violence [2.18]	Anxiety [1.11]	Neonatal [1.05]	Conduct [0.86]	Depression [1.01]	Iron [1.03]	Back Pain [0.85]	Asthma [1.21]
Grenada	Headaches [1.15]	Anxiety [1.05]	Neonatal [1.09]	Drown [1.09]	Road Inj [0.42]	Conduct [0.87]	Asthma [1.58]	Depression [0.92]	Back Pain [0.8]	Congenital [0.74]
Guyana	Headaches [1.18]	Self Harm [1.77]	Road Inj [0.69]	Violence [1.65]	Depression [1.41]	Drown [1.03]	Anxiety [1.12]	Neonatal [1.11]	Conduct [0.85]	Iron [0.99]
Haiti	Road Inj [1.51]	Disaster [299.53]	Iron [1.4]	Headaches [1.23]	Violence [1.83]	HIV [19.49]	Drown [0.88]	Anxiety [1.14]	Asthma [1.51]	Conduct [0.85]
Jamaica	Violence [3.82]	Headaches [1.14]	Anxiety [1.01]	Iron [1.91]	Neonatal [1.04]	Road Inj [0.42]	Conduct [0.86]	Asthma [1.63]	Back Pain [0.79]	Depression [0.86]
Puerto Rico	Disaster [5205.94]	Violence [7.58]	Headaches [1.13]	Asthma [2.03]	Anxiety [0.89]	Road Inj [0.49]	Neonatal [1.05]	Conduct [0.91]	Back Pain [0.68]	Depression [0.77]
St Lucia	Headaches [1.15]	Violence [2.43]	Road Inj [0.56]	Anxiety [1.04]	Neonatal [1.11]	Conduct [0.86]	Depression [0.94]	Asthma [1.61]	Drown [1.01]	Back Pain [0.8]
St Vincent	Violence [2.46]	Headaches [1.16]	Road Inj [0.53]	Drown [1.18]	Anxiety [1.09]	Neonatal [1.07]	Conduct [0.86]	Depression [0.96]	Asthma [1.58]	Back Pain [0.83]
Suriname	Road Inj [0.92]	Headaches [1.14]	Self Harm [1.84]	Depression [1.29]	Anxiety [1.05]	Violence [1.36]	Drown [1.11]	Neonatal [1.04]	Conduct [0.87]	Asthma [1.67]
Trinidad Tobago	Violence [3.93]	Headaches [1.12]	Road Inj [0.59]	Anxiety [0.98]	Depression [1.05]	Neonatal [1.06]	Asthma [1.79]	Conduct [0.88]	Self Harm [0.86]	Back Pain [0.75]
Virgin Isl US	Violence [7.82]	Headaches [1.12]	Anxiety [0.89]	Neonatal [1.01]	Conduct [0.92]	Road Inj [0.44]	Depression [0.87]	Asthma [1.55]	Back Pain [0.69]	Disaster [380.64]
Central Latin America	Violence [4.95]	Headaches [1.0]	Road Inj [0.71]	Neonatal [1.41]	Conduct [0.98]	Back Pain [0.81]	Self Harm [0.84]	Epilepsy [1.37]	Depression [0.74]	Anxiety [0.69]
Colombia	Violence [4.5]	Headaches [1.05]	Road Inj [0.58]	Neonatal [1.39]	Back Pain [1.11]	Conduct [0.95]	Self Harm [0.8]	Epilepsy [1.33]	Anxiety [0.6]	Depression [0.63]
Costa Rica	Headaches [1.0]	Neonatal [1.31]	Road Inj [0.53]	Conduct [0.95]	Violence [1.4]	Back Pain [0.85]	Depression [0.82]	Anxiety [0.67]	Asthma [1.25]	Self Harm [0.68]
El Salvador	Violence [8.19]	Headaches [1.02]	Road Inj [0.64]	Neonatal [1.41]	Self Harm [1.26]	Conduct [0.94]	Back Pain [0.92]	Depression [0.95]	Drown [0.76]	Anxiety [0.72]
Guatemala	Violence [3.72]	Headaches [1.04]	Road Inj [0.57]	Neonatal [1.48]	Conduct [0.94]	Back Pain [1.06]	LRI [1.03]	Diarrhea [1.51]	Depression [0.94]	Anxiety [0.73]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Honduras	Violence [3.63]	Headaches [1.05]	Neonatal [1.62]	Road Inj [0.48]	Conduct [0.94]	Back Pain [0.97]	Epilepsy [1.33]	Diarrhea [1.15]	Anxiety [0.73]	Iron [0.58]
Mexico	Violence [4.49]	Headaches [0.97]	Road Inj [0.71]	Neonatal [1.42]	Conduct [1.01]	Self Harm [0.83]	Epilepsy [1.45]	Anxiety [0.72]	Congenital [0.84]	Depression [0.73]
Aguascalientes	Violence [3.53]	Road Inj [0.89]	Headaches [0.97]	Neonatal [1.4]	Conduct [1.01]	Self Harm [0.94]	Epilepsy [1.56]	Congenital [0.93]	Anxiety [0.71]	Back Pain [0.67]
Baja CA	Violence [4.61]	Headaches [0.97]	Neonatal [1.4]	Road Inj [0.54]	Conduct [1.01]	Anxiety [0.71]	Back Pain [0.66]	Epilepsy [1.37]	Depression [0.67]	Congenital [0.74]
Baja CA Sur	Violence [4.03]	Road Inj [0.76]	Headaches [0.96]	Neonatal [1.47]	Conduct [1.01]	Self Harm [0.8]	Anxiety [0.7]	Epilepsy [1.43]	Depression [0.73]	Congenital [0.85]
Campeche	Violence [3.42]	Headaches [0.98]	Neonatal [1.57]	Road Inj [0.62]	Self Harm [1.29]	Conduct [1.01]	Depression [0.86]	Anxiety [0.74]	Epilepsy [1.28]	Back Pain [0.68]
Chiapas	Violence [2.85]	Headaches [1.01]	Road Inj [0.56]	Neonatal [1.48]	Conduct [1.01]	Epilepsy [1.43]	Self Harm [0.86]	Leukemia [1.44]	Anxiety [0.77]	Back Pain [0.72]
Chihuahua	Violence [6.6]	Road Inj [0.84]	Headaches [0.97]	Neonatal [1.3]	Conduct [1.01]	Self Harm [1.07]	Epilepsy [1.48]	Congenital [0.91]	Anxiety [0.72]	Depression [0.76]
Coahuila	Violence [4.09]	Headaches [0.97]	Road Inj [0.55]	Neonatal [1.19]	Conduct [1.01]	Anxiety [0.71]	Epilepsy [1.4]	Back Pain [0.68]	Self Harm [0.72]	Depression [0.72]
Colima	Violence [4.83]	Road Inj [0.75]	Headaches [0.97]	Neonatal [1.5]	Conduct [1.01]	Epilepsy [1.47]	Anxiety [0.71]	Back Pain [0.66]	Depression [0.71]	Congenital [0.79]
Mexico City	Violence [7.49]	Headaches [0.96]	Neonatal [1.48]	Road Inj [0.52]	Conduct [0.98]	Self Harm [1.0]	Epilepsy [1.8]	Congenital [0.96]	Depression [0.74]	Back Pain [0.64]
Durango	Violence [4.59]	Road Inj [0.87]	Headaches [0.98]	Neonatal [1.26]	Conduct [1.01]	Anxiety [0.73]	Epilepsy [1.35]	Back Pain [0.69]	Depression [0.72]	Self Harm [0.69]
Guanajuato	Violence [3.83]	Road Inj [0.91]	Headaches [0.98]	Neonatal [1.29]	Conduct [1.01]	Self Harm [1.11]	Epilepsy [1.41]	Anxiety [0.74]	Depression [0.77]	Back Pain [0.69]
Guerrero	Violence [7.57]	Road Inj [0.73]	Headaches [1.0]	Neonatal [1.53]	Conduct [1.01]	Epilepsy [1.23]	Anxiety [0.77]	Congenital [0.83]	Back Pain [0.71]	Depression [0.71]
Hidalgo	Violence [3.28]	Road Inj [0.84]	Headaches [0.99]	Neonatal [1.78]	Conduct [1.01]	Epilepsy [1.44]	Anxiety [0.76]	Self Harm [0.74]	Back Pain [0.7]	Congenital [0.8]
Jalisco	Violence [4.67]	Road Inj [0.9]	Headaches [0.97]	Neonatal [1.35]	Conduct [1.01]	Self Harm [1.06]	Epilepsy [1.64]	Anxiety [0.71]	Congenital [0.91]	Depression [0.76]
Mexico	Violence [4.72]	Headaches [0.93]	Neonatal [1.7]	Road Inj [0.57]	Conduct [1.01]	Anxiety [0.72]	Epilepsy [1.4]	Self Harm [0.76]	Congenital [0.82]	Depression [0.71]
Michoacan	Violence [4.45]	Road Inj [0.97]	Headaches [1.0]	Neonatal [1.23]	Conduct [1.01]	Self Harm [0.87]	Epilepsy [1.28]	Anxiety [0.76]	Congenital [0.86]	Back Pain [0.71]
Morelos	Violence [5.65]	Headaches [0.98]	Road Inj [0.6]	Neonatal [1.39]	Conduct [1.01]	Epilepsy [1.5]	Congenital [0.94]	Anxiety [0.72]	Self Harm [0.7]	Depression [0.7]
Nayarit	Violence [4.13]	Road Inj [0.9]	Headaches [0.98]	Neonatal [1.52]	Conduct [1.01]	Anxiety [0.73]	Epilepsy [1.35]	Back Pain [0.68]	Depression [0.7]	Congenital [0.79]
Nuevo Leon	Violence [4.91]	Headaches [0.96]	Road Inj [0.49]	Conduct [1.02]	Neonatal [1.14]	Anxiety [0.69]	Self Harm [0.73]	Epilepsy [1.45]	Back Pain [0.66]	Depression [0.71]
Oaxaca	Violence [3.9]	Headaches [1.01]	Road Inj [0.62]	Neonatal [1.45]	Conduct [1.01]	Epilepsy [1.45]	Congenital [0.89]	Anxiety [0.77]	Back Pain [0.71]	Depression [0.7]
Puebla	Violence [3.39]	Road Inj [0.83]	Headaches [1.0]	Neonatal [1.35]	Conduct [1.01]	Self Harm [0.87]	Congenital [0.91]	Anxiety [0.76]	Back Pain [0.71]	Epilepsy [1.19]
Queretaro	Violence [3.49]	Road Inj [0.74]	Headaches [0.97]	Neonatal [1.49]	Conduct [1.01]	Epilepsy [1.44]	Anxiety [0.72]	Back Pain [0.67]	Depression [0.73]	Congenital [0.81]
Quintana Roo	Violence [3.86]	Neonatal [1.81]	Headaches [0.98]	Road Inj [0.6]	Self Harm [1.17]	Conduct [1.01]	Depression [0.84]	Anxiety [0.73]	Epilepsy [1.35]	Back Pain [0.66]
San Luis Potosi	Violence [4.02]	Road Inj [0.88]	Headaches [0.98]	Neonatal [1.23]	Conduct [1.01]	Self Harm [1.13]	Epilepsy [1.55]	Congenital [0.95]	Anxiety [0.74]	Depression [0.74]
Sinaloa	Violence [5.82]	Road Inj [0.85]	Headaches [0.97]	Neonatal [1.28]	Conduct [1.01]	Anxiety [0.71]	Epilepsy [1.37]	Back Pain [0.66]	Depression [0.68]	Congenital [0.7]
Sonora	Violence [4.36]	Road Inj [0.74]	Headaches [0.97]	Neonatal [1.24]	Conduct [1.01]	Epilepsy [1.47]	Anxiety [0.71]	Self Harm [0.76]	Back Pain [0.67]	Depression [0.72]
Tabasco	Violence [3.72]	Road Inj [1.14]	Headaches [0.98]	Neonatal [1.55]	Self Harm [1.4]	Conduct [1.01]	Drown [0.98]	Congenital [0.96]	Epilepsy [1.42]	Depression [0.81]
Tamaulipas	Violence [4.89]	Headaches [0.97]	Neonatal [1.59]	Road Inj [0.55]	Conduct [1.01]	Anxiety [0.71]	Back Pain [0.67]	Epilepsy [1.32]	Depression [0.68]	Congenital [0.72]
Tlaxcala	Violence [3.15]	Road Inj [0.8]	Headaches [0.99]	Neonatal [1.53]	Conduct [1.01]	Epilepsy [1.49]	Anxiety [0.75]	Congenital [0.87]	Back Pain [0.7]	CKD [2.75]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Veracruz	Violence [3.82]	Headaches [0.99]	Neonatal [1.53]	Road Inj [0.55]	Conduct [1.01]	Epilepsy [1.46]	Congenital [0.9]	Anxiety [0.76]	Depression [0.75]	Self Harm [0.72]
Yucatan	Violence [3.13]	Headaches [0.98]	Neonatal [1.32]	Road Inj [0.51]	Conduct [1.01]	Self Harm [1.06]	Depression [0.82]	Epilepsy [1.42]	Anxiety [0.73]	Congenital [0.85]
Zacatecas	Violence [4.16]	Road Inj [1.23]	Headaches [0.98]	Conduct [1.01]	Neonatal [0.98]	Epilepsy [1.48]	Anxiety [0.74]	Back Pain [0.7]	Self Harm [0.69]	Depression [0.69]
Nicaragua	Headaches [1.04]	Neonatal [1.51]	Conduct [0.95]	Back Pain [0.95]	Road Inj [0.37]	Self Harm [0.85]	Depression [0.88]	Violence [0.73]	Anxiety [0.73]	Epilepsy [0.95]
Panama	Violence [3.94]	Headaches [0.99]	Neonatal [1.28]	Road Inj [0.51]	Conduct [0.96]	Back Pain [0.82]	Dermatitis [1.31]	Depression [0.74]	Anxiety [0.65]	Asthma [1.19]
Venezuela	Violence [10.66]	Road Inj [1.22]	Headaches [0.98]	Neonatal [1.4]	Self Harm [1.13]	Conduct [0.96]	Back Pain [0.75]	Depression [0.79]	Congenital [0.9]	Mech [2.34]
Tropical Latin America	Violence [7.16]	Headaches [1.43]	Road Inj [0.95]	Back Pain [2.06]	Anxiety [1.22]	Depression [1.23]	Conduct [0.94]	Iron [1.63]	Neonatal [0.93]	Bipolar [1.73]
Brazil	Violence [7.54]	Headaches [1.43]	Back Pain [2.08]	Road Inj [0.95]	Anxiety [1.21]	Depression [1.23]	Conduct [0.94]	Iron [1.69]	Neonatal [0.94]	Bipolar [1.72]
Acre	Violence [5.94]	Headaches [1.45]	Back Pain [2.2]	Road Inj [0.86]	Iron [1.75]	Anxiety [1.29]	Depression [1.23]	Conduct [0.95]	Drown [0.99]	Neonatal [1.01]
Alagoas	Violence [11.74]	Headaches [1.49]	Road Inj [0.96]	Back Pain [2.22]	Iron [1.33]	Depression [1.4]	Anxiety [1.33]	Conduct [0.95]	Neonatal [0.86]	Drown [0.63]
Amapa	Violence [11.13]	Headaches [1.43]	Back Pain [2.01]	Road Inj [0.71]	Drown [1.59]	Anxiety [1.22]	Iron [2.0]	Depression [1.23]	Conduct [0.95]	Neonatal [0.99]
Amazonas	Violence [6.78]	Headaches [1.44]	Back Pain [2.12]	Road Inj [0.57]	Anxiety [1.25]	Iron [1.74]	Depression [1.13]	Conduct [0.95]	Drown [0.94]	Self Harm [0.88]
Bahia	Violence [5.06]	Headaches [1.46]	Back Pain [2.18]	Iron [1.63]	Road Inj [0.56]	Anxiety [1.31]	Depression [1.11]	Conduct [0.86]	Neonatal [0.93]	Bipolar [1.8]
Ceara	Violence [8.72]	Road Inj [1.11]	Headaches [1.46]	Back Pain [2.17]	Iron [1.63]	Anxiety [1.3]	Depression [1.3]	Conduct [0.94]	Neonatal [0.88]	Self Harm [0.7]
Distrito Federal	Violence [16.95]	Headaches [1.42]	Back Pain [1.9]	Road Inj [0.81]	Anxiety [1.07]	Depression [1.17]	Conduct [0.99]	Neonatal [1.02]	Asthma [1.23]	Congenital [0.94]
Espirito Santo	Violence [12.72]	Headaches [1.43]	Road Inj [0.99]	Back Pain [2.0]	Iron [2.54]	Anxiety [1.2]	Depression [1.26]	Conduct [0.95]	Neonatal [0.91]	Asthma [1.38]
Goias	Violence [10.61]	Road Inj [1.22]	Headaches [1.44]	Back Pain [2.11]	Anxiety [1.24]	Depression [1.28]	Conduct [0.95]	Iron [1.35]	Neonatal [0.85]	Asthma [1.19]
Maranhao	Headaches [1.5]	Back Pain [2.25]	Iron [1.55]	Violence [1.87]	Road Inj [0.61]	Anxiety [1.33]	Depression [1.19]	Conduct [0.95]	Neonatal [0.97]	Bipolar [1.85]
Mato Grosso	Violence [7.11]	Road Inj [1.45]	Headaches [1.43]	Back Pain [2.08]	Anxiety [1.22]	Depression [1.18]	Conduct [0.95]	Iron [1.38]	Neonatal [0.89]	Drown [0.98]
Mato Grosso do Sul	Violence [5.04]	Road Inj [1.1]	Headaches [1.44]	Back Pain [2.12]	Anxiety [1.23]	Depression [1.32]	Conduct [0.95]	Self Harm [1.06]	Neonatal [1.03]	Iron [1.26]
Minas Gerais	Violence [6.65]	Headaches [1.42]	Road Inj [0.97]	Back Pain [2.1]	Anxiety [1.23]	Depression [1.21]	Conduct [0.95]	Neonatal [0.99]	Iron [1.46]	Drown [0.84]
Para	Violence [5.13]	Headaches [1.47]	Back Pain [2.17]	Road Inj [0.69]	Anxiety [1.32]	Conduct [0.95]	Depression [1.04]	Iron [1.03]	Neonatal [0.9]	Bipolar [1.8]
Paraiba	Violence [7.51]	Headaches [1.47]	Road Inj [1.07]	Back Pain [2.2]	Anxiety [1.32]	Iron [1.34]	Depression [1.24]	Conduct [0.95]	Neonatal [0.83]	Congenital [0.78]
Parana	Violence [7.76]	Road Inj [1.33]	Headaches [1.43]	Back Pain [2.08]	Anxiety [1.2]	Depression [1.24]	Conduct [0.95]	Neonatal [0.96]	Iron [1.63]	Asthma [1.24]
Pernambuco	Violence [9.87]	Headaches [1.46]	Road Inj [1.0]	Back Pain [2.17]	Depression [1.41]	Iron [1.54]	Anxiety [1.31]	Conduct [0.95]	Neonatal [0.87]	Congenital [0.81]
Piaui	Road Inj [1.39]	Violence [3.36]	Headaches [1.49]	Back Pain [2.26]	Anxiety [1.34]	Depression [1.17]	Conduct [0.95]	Neonatal [1.0]	Drown [0.7]	Self Harm [0.78]
Rio de Janeiro	Violence [15.09]	Road Inj [1.15]	Headaches [1.43]	Back Pain [1.77]	Anxiety [1.16]	Depression [1.14]	Neonatal [1.15]	Conduct [0.96]	Iron [1.47]	Congenital [0.84]
Rio Grande do Norte	Violence [11.99]	Headaches [1.46]	Road Inj [1.03]	Back Pain [2.16]	Anxiety [1.3]	Iron [1.58]	Depression [1.28]	Conduct [0.95]	Self Harm [0.82]	Neonatal [0.8]
Rio Grande do Sul	Violence [8.11]	Back Pain [2.7]	Headaches [1.43]	Road Inj [0.96]	Anxiety [1.17]	Depression [1.29]	Conduct [0.88]	Congenital [1.2]	Neonatal [0.96]	Self Harm [0.86]
Rondonia	Violence [5.84]	Road Inj [1.38]	Headaches [1.45]	Back Pain [2.16]	Anxiety [1.27]	Depression [1.25]	Conduct [0.95]	Drown [1.04]	Neonatal [1.05]	Congenital [1.13]
Roraima	Violence [5.38]	Road Inj [1.36]	Headaches [1.43]	Back Pain [2.08]	Iron [2.08]	Depression [1.41]	Anxiety [1.23]	Drown [1.33]	Conduct [0.95]	Self Harm [1.05]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Santa Catarina	Road Inj [1.39]	Headaches [1.7]	Violence [3.87]	Back Pain [2.0]	Depression [1.37]	Anxiety [1.17]	Conduct [0.96]	Iron [1.74]	Neonatal [0.87]	Asthma [1.36]
Sao Paulo	Headaches [1.36]	Violence [4.7]	Back Pain [2.0]	Road Inj [0.79]	Depression [1.3]	Anxiety [1.13]	Conduct [0.97]	Neonatal [0.97]	Iron [1.8]	Bipolar [1.71]
Sergipe	Violence [11.37]	Road Inj [1.31]	Headaches [1.45]	Back Pain [2.12]	Iron [1.86]	Anxiety [1.28]	Depression [1.23]	Conduct [0.95]	Drown [0.97]	Neonatal [1.03]
Tocantins	Violence [5.29]	Road Inj [1.47]	Headaches [1.45]	Back Pain [2.17]	Anxiety [1.28]	Iron [1.58]	Depression [1.3]	Conduct [0.95]	Neonatal [1.01]	Drown [0.8]
Paraguay	Road Inj [1.1]	Headaches [1.44]	Back Pain [1.41]	Violence [1.69]	Anxiety [1.3]	Depression [1.06]	Conduct [0.9]	Self Harm [0.99]	Iron [1.09]	Asthma [1.43]
North Africa and Middle East	Conflict Terror [1294.15]	Road Inj [1.04]	Headaches [1.02]	Back Pain [1.24]	Anxiety [1.15]	Depression [1.17]	Conduct [0.94]	Iron [1.42]	Neonatal [0.96]	Congenital [1.0]
Afghanistan	Road Inj [1.03]	Headaches [1.19]	Conflict Terror [22.45]	Back Pain [1.56]	Anxiety [1.31]	Violence [0.93]	Depression [1.17]	Meningitis [0.6]	Conduct [0.95]	LRI [0.56]
Algeria	Road Inj [0.9]	Headaches [0.99]	Back Pain [1.13]	Anxiety [1.1]	Depression [1.11]	Conduct [0.95]	Neonatal [1.07]	Congenital [1.05]	Asthma [0.88]	Dermatitis [0.87]
Bahrain	Headaches [0.98]	Back Pain [1.11]	Anxiety [1.08]	Depression [1.18]	Road Inj [0.5]	Conduct [0.95]	Neonatal [1.05]	Dermatitis [1.01]	Hemog [3.94]	Iron [1.06]
Egypt	Road Inj [1.25]	Headaches [1.08]	Back Pain [1.4]	Iron [1.39]	Anxiety [1.08]	Congenital [1.24]	Conduct [0.94]	LRI [1.59]	Neonatal [1.04]	Depression [1.0]
Iran	Road Inj [1.52]	Headaches [1.38]	Anxiety [1.45]	Depression [1.42]	Back Pain [1.09]	Neonatal [1.21]	Conduct [1.02]	Congenital [1.12]	Self Harm [0.72]	Drugs [1.76]
Iraq	Conflict Terror [3082.11]	Headaches [1.01]	Back Pain [1.24]	Anxiety [1.16]	Neonatal [1.11]	Conduct [0.92]	Road Inj [0.43]	Depression [1.06]	Congenital [1.0]	Violence [0.88]
Jordan	Headaches [0.97]	Neonatal [1.38]	Back Pain [1.13]	Anxiety [1.09]	Road Inj [0.51]	Depression [1.1]	Conduct [0.96]	Iron [1.55]	Congenital [0.97]	Asthma [0.98]
Kuwait	Road Inj [0.84]	Headaches [0.81]	Back Pain [1.05]	Anxiety [0.99]	Neonatal [1.15]	Depression [1.06]	Conduct [0.99]	Congenital [0.95]	Dermatitis [0.88]	Asthma [0.9]
Lebanon	Headaches [0.98]	Anxiety [1.28]	Depression [1.05]	Neonatal [1.04]	Conduct [0.92]	Back Pain [0.84]	Road Inj [0.38]	Congenital [0.88]	Conflict Terror [469.59]	Dermatitis [1.05]
Libya	Conflict Terror [3299.91]	Road Inj [1.13]	Headaches [0.98]	Back Pain [1.1]	Anxiety [1.02]	Depression [1.11]	Conduct [0.97]	Neonatal [1.01]	Congenital [1.25]	Oth Trans [6.46]
Morocco	Road Inj [1.04]	Headaches [1.02]	Depression [1.72]	Back Pain [1.46]	Anxiety [1.24]	Conduct [0.94]	Neonatal [1.06]	Congenital [1.06]	Iron [0.84]	Self Harm [0.67]
Palestine	Headaches [1.03]	Depression [1.66]	Back Pain [1.27]	Anxiety [1.25]	Conduct [0.94]	Neonatal [1.16]	Conflict Terror [194.05]	Road Inj [0.36]	Iron [0.65]	Violence [0.71]
Oman	Road Inj [1.66]	Headaches [0.97]	Back Pain [1.08]	Anxiety [1.04]	Depression [1.09]	Conduct [0.97]	Neonatal [1.07]	Congenital [0.73]	Dermatitis [0.77]	Iron [1.24]
Qatar	Road Inj [1.23]	Headaches [0.95]	Back Pain [1.12]	Anxiety [1.0]	Depression [1.07]	Conduct [1.0]	Neonatal [0.95]	Congenital [0.95]	Self Harm [0.61]	Dermatitis [0.98]
Saudi Arabia	Road Inj [1.16]	Headaches [1.03]	Back Pain [1.11]	Anxiety [1.01]	Depression [1.11]	Conduct [0.98]	Conflict Terror [1053.22]	Congenital [1.06]	Neonatal [0.72]	Dermatitis [0.97]
Sudan	Road Inj [1.14]	Iron [1.32]	Headaches [1.04]	Back Pain [1.39]	Anxiety [1.25]	Depression [1.13]	Conduct [0.94]	Congenital [0.9]	Malaria [19.83]	Diarrhea [0.83]
Syria	Conflict Terror [11074.46]	Headaches [0.98]	Back Pain [1.2]	Anxiety [1.18]	Road Inj [0.48]	Depression [1.11]	Conduct [0.94]	Iron [1.06]	Neonatal [0.9]	Congenital [0.79]
Tunisia	Road Inj [0.94]	Headaches [0.99]	Anxiety [1.13]	Depression [1.15]	Back Pain [1.04]	Conduct [0.95]	Neonatal [1.04]	Dermatitis [1.03]	Congenital [0.69]	Mech [1.68]
Turkey	Headaches [0.8]	Road Inj [0.63]	Back Pain [1.26]	Depression [1.11]	Conduct [0.94]	Anxiety [0.83]	Neonatal [0.74]	Congenital [0.78]	Conflict Terror [399.16]	Epilepsy [1.11]
UAE	Road Inj [1.98]	Headaches [0.97]	Back Pain [1.02]	Anxiety [0.96]	Conduct [0.96]	Neonatal [1.01]	Congenital [1.33]	Depression [0.85]	Drugs [1.84]	Asthma [1.13]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Yemen	Conflict Terror [614.02]	Iron [2.95]	Road Inj [1.33]	Headaches [1.05]	Back Pain [1.3]	Anxiety [1.24]	Depression [1.16]	Conduct [0.92]	Neonatal [1.28]	Hemog [1.8]
South Asia	Iron [1.94]	Headaches [0.97]	Typh + Paratyph [32.66]	Neonatal [1.51]	Self Harm [1.24]	Road Inj [0.5]	Diarrhea [2.04]	Conduct [0.86]	Anxiety [0.84]	Congenital [0.8]
Bangladesh	Typh + Paratyph [12.21]	Headaches [1.07]	Iron [0.85]	Drown [0.98]	Neonatal [1.56]	Self Harm [1.05]	Anxiety [1.05]	Road Inj [0.38]	Depression [1.0]	Conduct [0.8]
Bhutan	Iron [2.02]	Headaches [1.01]	Neonatal [1.31]	Road Inj [0.4]	Conduct [0.81]	Anxiety [0.92]	Diarrhea [1.94]	Back Pain [0.83]	Mech [2.15]	Depression [0.77]
India	Iron [2.34]	Headaches [0.97]	Typh + Paratyph [45.11]	Neonatal [1.54]	Self Harm [1.37]	Diarrhea [2.29]	Conduct [0.87]	Road Inj [0.38]	Anxiety [0.8]	Congenital [0.8]
Andhra Pradesh	Iron [1.84]	Headaches [0.99]	Neonatal [1.72]	Self Harm [1.42]	Typh + Paratyph [26.69]	Conduct [0.86]	Depression [0.94]	Anxiety [0.82]	Diarrhea [1.35]	Road Inj [0.28]
Arunachal Pradesh	Iron [2.19]	Headaches [0.98]	Neonatal [1.62]	Self Harm [1.13]	Conduct [0.87]	Depression [0.88]	Diarrhea [1.66]	Typh + Paratyph [28.38]	Anxiety [0.81]	Road Inj [0.31]
Assam	Iron [2.93]	Headaches [0.98]	Self Harm [1.29]	Neonatal [1.45]	Diarrhea [2.14]	Typh + Paratyph [25.39]	Conduct [0.86]	Malaria [101.02]	Drown [0.73]	Hep [8.88]
Bihar	Iron [1.62]	Diarrhea [2.07]	Headaches [1.01]	Neonatal [1.82]	Typh + Paratyph [4.83]	Conduct [0.88]	Vit A [2.06]	Road Inj [0.31]	Anxiety [0.81]	ID [6.78]
Chhattisgarh	Iron [2.61]	Typh + Paratyph [25.67]	Headaches [0.99]	Neonatal [1.61]	Self Harm [1.28]	Diarrhea [1.64]	Conduct [0.86]	Road Inj [0.38]	Vit A [3.22]	Malaria [49.27]
Delhi	Iron [7.64]	Headaches [0.92]	Neonatal [1.47]	Typh + Paratyph [1757.38]	Conduct [0.89]	Anxiety [0.68]	Road Inj [0.34]	Diarrhea [3.83]	Self Harm [0.69]	Depression [0.62]
Goa	Neonatal [1.82]	Headaches [0.93]	Conduct [0.9]	Self Harm [0.92]	Road Inj [0.35]	Anxiety [0.63]	Depression [0.68]	Congenital [0.87]	Epilepsy [1.38]	Diarrhea [3.21]
Gujarat	Iron [4.26]	Headaches [0.95]	Neonatal [1.55]	Self Harm [1.27]	Conduct [0.87]	Typh + Paratyph [62.94]	Anxiety [0.76]	Diarrhea [1.83]	Vit A [3.97]	Congenital [0.75]
Haryana	Iron [4.26]	Typh + Paratyph [170.73]	Headaches [0.94]	Neonatal [1.55]	Road Inj [0.48]	Self Harm [1.14]	Conduct [0.88]	Diarrhea [2.19]	Depression [0.84]	Anxiety [0.78]
Himachal Pradesh	Iron [4.26]	Headaches [0.94]	Neonatal [1.69]	Road Inj [0.45]	Self Harm [1.05]	Typh + Paratyph [201.42]	Conduct [0.87]	Anxiety [0.75]	Congenital [0.84]	Diarrhea [2.38]
Jammu & Kashmir	Headaches [0.96]	Neonatal [1.52]	Iron [1.43]	Road Inj [0.51]	Conduct [0.88]	Self Harm [0.86]	Diarrhea [2.05]	Anxiety [0.79]	Congenital [0.9]	Depression [0.67]
Jharkhand	Iron [1.89]	Diarrhea [2.12]	Headaches [1.0]	Road Inj [0.57]	Neonatal [1.74]	Typh + Paratyph [9.87]	Conduct [0.95]	Drown [0.68]	Anxiety [0.85]	Congenital [0.86]
Karnataka	Self Harm [3.15]	Neonatal [1.82]	Headaches [0.95]	Iron [1.35]	Road Inj [0.44]	Congenital [1.18]	Diarrhea [2.34]	Drown [0.83]	Conduct [0.74]	Anxiety [0.81]
Kerala	Neonatal [2.08]	Headaches [0.95]	Self Harm [1.17]	Conduct [0.85]	Anxiety [0.82]	Congenital [0.89]	Depression [0.71]	Iron [1.0]	Road Inj [0.26]	Back Pain [0.53]
Madhya Pradesh	Iron [2.54]	Typh + Paratyph [20.59]	Self Harm [1.68]	Headaches [1.0]	Diarrhea [1.62]	Neonatal [1.54]	Road Inj [0.44]	Conduct [0.86]	Drown [0.67]	Vit A [2.52]
Maharashtra	Iron [3.1]	Headaches [0.95]	Neonatal [1.66]	Conduct [0.92]	Self Harm [1.01]	Typh + Paratyph [117.69]	Anxiety [0.77]	Depression [0.76]	Diarrhea [2.11]	Congenital [0.78]
Manipur	Headaches [0.97]	Neonatal [1.73]	Typh + Paratyph [105.88]	Road Inj [0.45]	Conduct [0.87]	Anxiety [0.89]	Self Harm [0.83]	HIV [17.0]	Depression [0.84]	Diarrhea [1.99]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Meghalaya	Iron [2.47]	Typh + Paratyph [81.31]	Headaches [0.97]	Neonatal [1.68]	Malaria [302.03]	Conduct [0.87]	Diarrhea [1.85]	Depression [0.87]	Anxiety [0.8]	Congenital [0.77]
Mizoram	Typh + Paratyph [306.02]	Headaches [0.96]	Neonatal [1.7]	Conduct [0.88]	Malaria [478.44]	Anxiety [0.78]	Road Inj [0.34]	Diarrhea [2.21]	Iron [0.87]	HIV [15.42]
Nagaland	Iron [3.29]	Neonatal [1.76]	Headaches [0.94]	Typh + Paratyph [315.74]	Conduct [0.87]	HIV [25.88]	Malaria [869.1]	Anxiety [0.76]	Road Inj [0.3]	Depression [0.71]
Odisha	Diarrhea [2.8]	Headaches [0.99]	Malaria [143.72]	Self Harm [1.42]	Iron [1.23]	Typh + Paratyph [25.03]	Neonatal [1.51]	Conduct [0.86]	Road Inj [0.37]	Depression [0.89]
Punjab	Iron [3.72]	Typh + Paratyph [238.77]	Headaches [0.93]	Neonatal [1.6]	Road Inj [0.5]	Conduct [0.88]	Diarrhea [2.51]	Self Harm [0.8]	Congenital [0.89]	Anxiety [0.73]
Rajasthan	Typh + Paratyph [23.61]	Iron [1.59]	Headaches [0.98]	Neonatal [1.5]	Conduct [0.87]	Diarrhea [1.14]	Road Inj [0.32]	Anxiety [0.84]	Self Harm [0.71]	Vit A [2.3]
Sikkim	Iron [2.85]	Headaches [0.96]	Neonatal [1.73]	Typh + Paratyph [242.85]	Conduct [0.86]	Self Harm [0.9]	Anxiety [0.77]	Road Inj [0.32]	Diarrhea [2.44]	Depression [0.72]
Tamil Nadu	Self Harm [3.39]	Headaches [0.96]	Neonatal [1.62]	Iron [1.69]	Road Inj [0.55]	Conduct [0.87]	Depression [0.95]	Congenital [1.07]	Diarrhea [2.57]	Anxiety [0.77]
Telangana	Iron [2.8]	Headaches [0.98]	Neonatal [1.68]	Self Harm [1.54]	Typh + Paratyph [59.33]	Conduct [0.86]	Depression [0.92]	Diarrhea [2.01]	Anxiety [0.81]	Road Inj [0.33]
Tripura	Self Harm [1.97]	Iron [1.61]	Headaches [0.98]	Neonatal [1.65]	Conduct [0.87]	Malaria [124.77]	Road Inj [0.34]	Diarrhea [1.52]	Anxiety [0.81]	Congenital [0.8]
Uttar Pradesh	Iron [2.12]	Typh + Paratyph [20.65]	Headaches [1.0]	Self Harm [1.28]	Diarrhea [1.54]	Neonatal [1.46]	Conduct [0.87]	Road Inj [0.38]	Anxiety [0.8]	Vit A [2.37]
Uttarakhand	Iron [3.4]	Typh + Paratyph [194.57]	Headaches [0.96]	Road Inj [0.7]	Neonatal [1.69]	Conduct [0.87]	Self Harm [0.82]	Anxiety [0.78]	Diarrhea [2.18]	Congenital [0.77]
W Bengal	Self Harm [2.02]	Headaches [0.99]	Iron [1.33]	Neonatal [1.5]	Conduct [0.86]	Diarrhea [1.63]	Road Inj [0.36]	Anxiety [0.83]	Congenital [0.91]	Vit A [2.96]
UTs other than Delhi	Iron [3.18]	Neonatal [1.81]	Headaches [0.94]	Self Harm [1.26]	Conduct [0.88]	Road Inj [0.39]	Anxiety [0.74]	Depression [0.77]	Congenital [0.75]	Back Pain [0.54]
Nepal	Headaches [1.34]	Road Inj [0.66]	Neonatal [1.87]	Typh + Paratyph [4.12]	Back Pain [1.1]	Iron [0.61]	Self Harm [0.89]	Anxiety [0.95]	Conduct [0.81]	Diarrhea [0.75]
Pakistan	Road Inj [1.18]	Headaches [0.89]	Diarrhea [1.73]	Neonatal [1.38]	Iron [0.84]	TB [2.66]	Drown [0.79]	Typh + Paratyph [8.85]	Conduct [0.82]	Anxiety [0.93]
Southeast Asia, East Asia, and Oceania	Road Inj [0.76]	Headaches [0.61]	Neonatal [1.08]	Drown [1.33]	Conduct [0.82]	Anxiety [0.72]	Back Pain [0.67]	Congenital [0.85]	Depression [0.65]	Leukemia [0.91]
East Asia	Road Inj [0.6]	Neonatal [1.36]	Drown [1.83]	Anxiety [0.73]	Headaches [0.45]	Conduct [0.73]	Back Pain [0.63]	Depression [0.59]	Congenital [0.73]	Leukemia [0.95]
China	Neonatal [1.39]	Road Inj [0.58]	Drown [1.77]	Anxiety [0.73]	Conduct [0.73]	Headaches [0.44]	Back Pain [0.62]	Depression [0.59]	Congenital [0.73]	Leukemia [0.94]
N Korea	Road Inj [0.99]	Drown [1.47]	Headaches [0.58]	Self Harm [0.95]	Back Pain [0.94]	Anxiety [0.92]	Iron [0.74]	Conduct [0.72]	Congenital [0.88]	Neonatal [0.72]
Taiwan	Road Inj [0.95]	Headaches [0.7]	Back Pain [0.85]	Anxiety [0.71]	Conduct [0.86]	Depression [0.53]	Neonatal [0.55]	Congenital [0.71]	Self Harm [0.43]	Drugs [0.88]
Oceania	Self Harm [2.73]	Road Inj [0.96]	Drown [1.46]	LRI [1.46]	Iron [1.02]	RHD [4.35]	Diarrhea [1.47]	Asthma [2.08]	Headaches [0.73]	Conduct [0.87]
Am Samoa	Headaches [0.68]	Conduct [0.88]	Drown [1.41]	Iron [1.79]	Self Harm [0.87]	Anxiety [0.78]	Asthma [1.5]	Back Pain [0.75]	Road Inj [0.35]	Depression [0.76]
Micronesia	Self Harm [2.17]	Road Inj [0.64]	Iron [1.44]	Headaches [0.7]	Drown [0.95]	Conduct [0.87]	Anxiety [0.88]	Asthma [1.47]	Depression [0.87]	Back Pain [0.82]
Fiji	Self Harm [1.43]	Headaches [0.69]	Drown [1.18]	Road Inj [0.45]	Iron [1.45]	Conduct [0.87]	Asthma [1.71]	LRI [1.77]	Anxiety [0.83]	Congenital [1.03]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Guam	Self Harm [2.98]	Headaches [0.68]	Road Inj [0.57]	Depression [0.97]	Conduct [0.91]	Diarrhea [6.68]	Anxiety [0.71]	Back Pain [0.68]	Asthma [1.33]	Neonatal [0.74]
Kiribati	Self Harm [3.37]	Iron [1.08]	TB [2.4]	Meningitis [1.64]	Congenital [1.38]	Asthma [1.9]	Diarrhea [0.99]	Headaches [0.76]	LRI [0.78]	Road Inj [0.38]
Marshall	Self Harm [2.7]	Road Inj [0.84]	Drown [1.16]	Iron [1.2]	Headaches [0.71]	Conduct [0.87]	Congenital [1.08]	LRI [1.12]	RHD [4.06]	Anxiety [0.89]
N Mariana	Self Harm [1.7]	Headaches [0.71]	Road Inj [0.47]	Drown [2.07]	Conduct [0.87]	Anxiety [0.74]	Depression [0.87]	Back Pain [0.73]	Neonatal [0.87]	Asthma [1.38]
PNG	Self Harm [2.9]	Road Inj [1.01]	Drown [1.61]	LRI [1.36]	RHD [4.4]	Diarrhea [1.2]	Iron [0.88]	Asthma [2.16]	Headaches [0.76]	Maternal [1.75]
Samoa	Self Harm [1.53]	Headaches [0.7]	Iron [1.13]	Road Inj [0.44]	Conduct [0.87]	Anxiety [0.88]	Back Pain [0.81]	Depression [0.84]	Asthma [1.32]	Drown [0.66]
Solomon	Self Harm [2.05]	Iron [1.23]	LRI [1.39]	Road Inj [0.69]	Drown [1.05]	Headaches [0.75]	Conduct [0.87]	Congenital [0.98]	Anxiety [0.9]	Depression [0.84]
Tonga	Road Inj [0.52]	Headaches [0.69]	Asthma [1.73]	Conduct [0.87]	Drown [0.96]	Anxiety [0.85]	Self Harm [0.88]	Back Pain [0.81]	Meningitis [3.58]	Depression [0.78]
Vanuatu	Self Harm [2.19]	Iron [1.41]	Road Inj [0.71]	Drown [1.15]	Headaches [0.72]	Asthma [1.61]	Conduct [0.87]	LRI [0.8]	Congenital [0.98]	RHD [2.9]
Southeast Asia	Road Inj [0.97]	Headaches [0.83]	Conduct [0.93]	Congenital [0.98]	Back Pain [0.74]	Anxiety [0.72]	Depression [0.73]	Drown [0.74]	Neonatal [0.72]	Typh + Paratyph [144.45]
Cambodia	Road Inj [1.02]	Iron [1.08]	Headaches [0.88]	Mech [3.26]	Drown [0.98]	Conduct [0.89]	Back Pain [1.05]	Malaria [26.73]	Congenital [0.92]	Depression [0.87]
Indonesia	Road Inj [0.99]	Headaches [0.83]	Conduct [0.98]	Typh + Paratyph [264.69]	Back Pain [0.74]	Anxiety [0.72]	Neonatal [0.74]	TB [11.28]	Congenital [0.78]	Depression [0.64]
Laos	Road Inj [1.31]	Headaches [0.86]	Iron [0.91]	Drown [0.82]	Conduct [0.89]	Anxiety [1.01]	Back Pain [0.89]	Congenital [0.95]	Typh + Paratyph [13.74]	Depression [0.79]
Malaysia	Road Inj [1.31]	Depression [1.38]	Headaches [0.76]	Conduct [0.92]	Anxiety [0.82]	Neonatal [0.8]	Back Pain [0.64]	Congenital [0.85]	Dermatitis [0.91]	Drown [1.14]
Maldives	Headaches [0.82]	Conduct [0.91]	Iron [1.4]	Depression [0.85]	Anxiety [0.72]	Back Pain [0.7]	Road Inj [0.28]	Congenital [0.78]	Neonatal [0.66]	Dermatitis [0.87]
Mauritius	Headaches [0.81]	Road Inj [0.6]	Iron [3.15]	Depression [1.15]	Conduct [0.9]	Self Harm [0.92]	Congenital [1.05]	Neonatal [0.83]	Back Pain [0.72]	Anxiety [0.68]
Myanmar	Road Inj [1.09]	Exec & Police [289.4]	Headaches [0.85]	Congenital [1.41]	Typh + Paratyph [35.02]	Conduct [0.89]	Drown [0.76]	Iron [0.81]	Malaria [148.79]	Anxiety [0.8]
Philippines	Headaches [0.83]	LRI [1.92]	Road Inj [0.47]	Congenital [1.26]	Conduct [0.9]	Violence [1.12]	Back Pain [0.88]	Asthma [1.46]	Anxiety [0.76]	Drown [0.76]
Sri Lanka	Headaches [0.81]	Self Harm [1.21]	Conduct [0.91]	Congenital [1.19]	Depression [0.9]	Anxiety [0.71]	Neonatal [0.75]	Road Inj [0.31]	Back Pain [0.63]	Drown [0.76]
Seychelles	Headaches [0.82]	Drown [1.88]	Road Inj [0.53]	Conduct [0.91]	Congenital [1.13]	Neonatal [0.82]	Anxiety [0.7]	Depression [0.77]	Back Pain [0.69]	LRI [1.85]
Thailand	Road Inj [1.82]	Headaches [0.92]	Conduct [0.9]	Drown [1.17]	Anxiety [0.71]	Depression [0.79]	Violence [1.22]	Back Pain [0.7]	Self Harm [0.75]	Congenital [0.88]
Timor-Leste	Iron [1.32]	Road Inj [0.59]	Headaches [0.86]	Conduct [0.89]	Congenital [1.02]	Depression [0.94]	HIV [11.92]	Drown [0.68]	Anxiety [0.8]	Back Pain [0.77]
Vietnam	Road Inj [1.06]	Headaches [0.84]	Drown [1.32]	Conduct [0.9]	Congenital [1.0]	Depression [0.75]	Back Pain [0.66]	Neonatal [0.62]	Epilepsy [0.93]	Anxiety [0.5]
Sub-Saharan Africa	HIV [45.35]	Malaria [26.89]	Iron [1.14]	Road Inj [0.57]	Diarrhea [1.25]	Headaches [0.8]	Conduct [0.94]	Depression [1.05]	Anxiety [0.96]	Epilepsy [1.23]
Central Sub-Saharan Africa	Malaria [58.01]	Road Inj [1.06]	HIV [28.33]	Diarrhea [1.4]	Iron [0.88]	Oncho [244.55]	Headaches [0.79]	Depression [1.21]	TB [2.06]	Epilepsy [1.5]
Angola	Road Inj [1.05]	Iron [1.62]	Diarrhea [1.79]	Malaria [28.2]	HIV [19.03]	Headaches [0.78]	Epilepsy [1.72]	Depression [1.21]	Conduct [0.93]	Yellow Fev [15.47]
C African Rep	HIV [66.55]	Road Inj [2.34]	Conflict Terror [167.57]	Malaria [5.45]	TB [2.24]	Diarrhea [1.05]	Iron [0.99]	Hemog [2.77]	Meningitis [1.02]	LRI [0.81]
Congo	HIV [125.31]	Malaria [781.81]	Road Inj [1.18]	Iron [1.78]	Diarrhea [3.26]	Headaches [0.75]	Epilepsy [1.96]	Depression [1.21]	Conduct [0.94]	Neonatal [1.06]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Congo DR	Malaria [9.15]	Road Inj [0.86]	HIV [18.48]	Oncho [150.6]	Diarrhea [0.73]	Headaches [0.83]	TB [1.13]	Hemog [2.0]	Depression [1.19]	Conduct [0.94]
Eq Guinea	HIV [170.14]	Malaria [3225.92]	Road Inj [0.89]	Headaches [0.72]	Iron [1.62]	Depression [1.22]	Epilepsy [2.06]	Conduct [0.98]	Anxiety [0.86]	Back Pain [0.82]
Gabon	Malaria [3901.58]	Road Inj [1.16]	HIV [75.92]	Iron [2.79]	Headaches [0.75]	Depression [1.22]	Epilepsy [2.26]	Neonatal [1.2]	Conduct [0.93]	Anxiety [0.87]
Eastern Sub-Saharan Africa	HIV [52.29]	Diarrhea [1.0]	Malaria [4.25]	Iron [0.78]	Road Inj [0.49]	Epilepsy [1.36]	Depression [1.12]	Conduct [0.96]	TB [1.09]	Anxiety [1.02]
Burundi	HIV [33.04]	Malaria [2.93]	Road Inj [0.64]	TB [1.28]	Diarrhea [0.67]	Epilepsy [1.25]	Depression [1.13]	LRI [0.58]	Conduct [0.94]	Anxiety [1.05]
Comoros	Road Inj [0.55]	Diarrhea [1.22]	Epilepsy [1.51]	Neonatal [1.54]	Iron [0.67]	Conduct [0.92]	Headaches [0.61]	Anxiety [1.01]	LRI [0.72]	Depression [0.99]
Djibouti	HIV [39.79]	Road Inj [0.65]	Epilepsy [1.65]	Depression [1.14]	Conduct [0.95]	Neonatal [1.28]	Headaches [0.58]	Iron [0.7]	Anxiety [0.98]	Diarrhea [1.06]
Eritrea	HIV [23.83]	Diarrhea [1.72]	Road Inj [0.8]	Iron [1.28]	TB [2.68]	Epilepsy [1.75]	LRI [0.88]	Meningitis [1.21]	Maternal [1.55]	Depression [1.15]
Ethiopia	HIV [22.66]	Diarrhea [0.84]	Conduct [1.01]	Road Inj [0.35]	Depression [1.04]	Epilepsy [1.15]	Meningitis [0.66]	Anxiety [1.04]	Neonatal [1.72]	Headaches [0.62]
Kenya	HIV [71.59]	Neonatal [1.71]	Diarrhea [1.88]	Road Inj [0.47]	Conduct [1.0]	Epilepsy [1.59]	Headaches [0.59]	Meningitis [1.76]	Anxiety [0.99]	Congenital [1.0]
Baringo	Diarrhea [1.48]	Neonatal [1.83]	HIV [12.4]	Conduct [1.0]	Road Inj [0.42]	Meningitis [1.38]	Epilepsy [1.5]	Headaches [0.61]	Congenital [1.0]	Anxiety [0.99]
Bomet	HIV [99.01]	Neonatal [2.08]	Diarrhea [1.73]	Conduct [1.0]	Headaches [0.6]	Anxiety [1.0]	Depression [0.94]	Epilepsy [1.19]	Congenital [0.87]	Road Inj [0.31]
Bungoma	HIV [22.63]	Malaria [35.22]	Neonatal [1.88]	Diarrhea [1.44]	Conduct [1.0]	Headaches [0.6]	Anxiety [0.99]	Road Inj [0.36]	Depression [0.92]	Epilepsy [1.22]
Busia	HIV [37.51]	Malaria [35.29]	Neonatal [1.82]	Diarrhea [1.15]	Iron [0.77]	Conduct [0.99]	Road Inj [0.38]	Headaches [0.61]	Anxiety [0.99]	Epilepsy [1.22]
Elgeyo-Marakwet	HIV [30.7]	Diarrhea [2.3]	Neonatal [2.03]	Epilepsy [1.66]	Conduct [1.0]	Meningitis [1.9]	Road Inj [0.42]	Headaches [0.59]	Anxiety [0.99]	Congenital [1.03]
Embu	HIV [58.06]	Neonatal [1.9]	Diarrhea [2.39]	Conduct [1.0]	Epilepsy [1.56]	Headaches [0.59]	Road Inj [0.41]	Anxiety [0.98]	Depression [0.96]	Congenital [1.0]
Garissa	HIV [27.19]	Iron [0.82]	Diarrhea [0.72]	Neonatal [2.54]	Conduct [1.03]	Road Inj [0.36]	Epilepsy [1.25]	Meningitis [0.69]	Headaches [0.64]	TB [0.75]
HomaBay	HIV [224.99]	Road Inj [1.09]	Diarrhea [1.42]	Malaria [11.99]	Violence [1.29]	Meningitis [1.35]	Epilepsy [1.6]	TB [1.61]	Conduct [0.99]	LRI [0.78]
Isiolo	HIV [27.04]	Conflict Terror [127.51]	Diarrhea [0.81]	Meningitis [1.08]	Road Inj [0.42]	Epilepsy [1.39]	Conduct [1.01]	Neonatal [1.67]	TB [1.1]	Congenital [1.04]
Kajiado	HIV [55.27]	Neonatal [2.08]	Epilepsy [1.78]	Conduct [1.0]	Diarrhea [1.93]	Road Inj [0.42]	Headaches [0.59]	Meningitis [2.24]	Anxiety [0.99]	Depression [0.96]
Kakamega	HIV [68.13]	Malaria [20.59]	Diarrhea [1.38]	Iron [0.81]	Road Inj [0.44]	Neonatal [1.53]	Conduct [0.99]	Epilepsy [1.35]	Headaches [0.61]	Meningitis [1.23]
Kericho	HIV [55.09]	Neonatal [2.21]	Diarrhea [1.64]	Conduct [1.0]	Headaches [0.59]	Anxiety [0.99]	Epilepsy [1.34]	Depression [0.95]	Congenital [0.95]	Road Inj [0.34]
Kiambu	HIV [87.75]	Neonatal [1.97]	Road Inj [0.53]	Epilepsy [2.04]	Conduct [1.0]	Headaches [0.58]	Violence [1.09]	Anxiety [0.98]	Diarrhea [2.24]	Meningitis [2.99]
Kilifi	HIV [42.5]	Neonatal [1.77]	Diarrhea [1.29]	Conduct [1.0]	Road Inj [0.39]	Headaches [0.6]	Anxiety [0.99]	Malaria [13.81]	Epilepsy [1.27]	Congenital [0.96]
Kirinyaga	HIV [55.29]	Neonatal [1.95]	Diarrhea [2.33]	Road Inj [0.49]	Conduct [0.99]	Epilepsy [1.71]	Headaches [0.59]	Anxiety [0.99]	Congenital [1.03]	Depression [0.96]
Kisii	HIV [30.13]	Diarrhea [2.91]	Neonatal [1.48]	Road Inj [0.52]	Epilepsy [1.76]	Conduct [1.0]	Meningitis [2.28]	Headaches [0.59]	Congenital [1.07]	Anxiety [0.99]
Kisumu	HIV [180.55]	Malaria [97.97]	Diarrhea [2.14]	Epilepsy [2.12]	Meningitis [2.27]	Violence [1.16]	TB [3.39]	Road Inj [0.47]	Conduct [0.98]	LRI [1.06]
Kitui	HIV [46.31]	Neonatal [2.16]	Diarrhea [1.52]	Conduct [1.0]	Epilepsy [1.43]	Headaches [0.61]	Road Inj [0.37]	Anxiety [1.0]	Meningitis [1.24]	Depression [0.94]
Kwale	HIV [44.6]	Iron [0.98]	Neonatal [1.77]	Malaria [19.3]	Diarrhea [1.11]	Conduct [0.99]	Epilepsy [1.41]	Road Inj [0.38]	Headaches [0.6]	Anxiety [0.99]
Laikipia	HIV [98.37]	Neonatal [2.08]	Diarrhea [2.28]	Conduct [1.01]	Headaches [0.58]	Epilepsy [1.53]	Anxiety [0.97]	Depression [0.96]	Congenital [0.95]	Road Inj [0.32]

eFigure 7e. Leading ten causes of DALYs with the ratio of observed DALYs to DALYs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to DALYs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed DALYs to DALYs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: DALY=disability-adjusted life year, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Lamu	Conflict Terror [903.69]	HIV [27.19]	Exec & Police [244.81]	Neonatal [1.52]	Conduct [1.0]	Diarrhea [1.1]	Epilepsy [1.48]	Meningitis [1.36]	Headaches [0.61]	Road Inj [0.36]
Machakos	HIV [69.75]	Neonatal [1.97]	Diarrhea [1.83]	Conduct [1.0]	Headaches [0.59]	Epilepsy [1.47]	Anxiety [0.98]	Road Inj [0.37]	Depression [0.95]	Congenital [0.95]
Makueni	HIV [114.86]	Neonatal [2.0]	Diarrhea [1.49]	Conduct [0.99]	Headaches [0.61]	Anxiety [0.99]	Epilepsy [1.29]	Depression [0.95]	Congenital [0.89]	Road Inj [0.3]
Mandera	HIV [19.25]	Diarrhea [0.6]	Road Inj [0.4]	Tetanus [6.08]	Meningitis [0.67]	TB [0.76]	Conduct [1.04]	Epilepsy [1.23]	Neonatal [2.1]	Iron [0.49]
Marsabit	HIV [30.27]	Diarrhea [0.9]	Neonatal [2.69]	Conduct [1.02]	Meningitis [0.76]	Road Inj [0.36]	Epilepsy [1.17]	Tetanus [8.35]	Headaches [0.65]	Anxiety [1.01]
Meru	HIV [73.72]	Neonatal [1.94]	Diarrhea [1.91]	Conduct [0.99]	Road Inj [0.43]	Epilepsy [1.51]	Headaches [0.6]	Anxiety [0.99]	Congenital [1.0]	Depression [0.96]
Migori	HIV [142.69]	Malaria [12.3]	Diarrhea [1.47]	Road Inj [0.6]	Meningitis [1.52]	Epilepsy [1.68]	LRI [0.88]	TB [1.61]	Conduct [1.0]	Congenital [1.11]
Mombasa	HIV [66.53]	Neonatal [1.52]	Iron [1.29]	Conduct [0.98]	Epilepsy [1.68]	Headaches [0.59]	Anxiety [0.99]	Depression [0.97]	Road Inj [0.38]	Diarrhea [2.0]
Murang'a	HIV [67.96]	Neonatal [1.98]	Diarrhea [2.28]	Conduct [1.0]	Road Inj [0.44]	Headaches [0.59]	Epilepsy [1.54]	Anxiety [0.98]	Depression [0.95]	Congenital [0.99]
Nairobi	HIV [59.85]	Neonatal [1.71]	Road Inj [0.61]	Epilepsy [2.73]	Violence [1.69]	Conduct [0.99]	Headaches [0.58]	Meningitis [6.24]	Anxiety [0.9]	Depression [0.95]
Nakuru	HIV [102.15]	Neonatal [1.74]	Epilepsy [1.79]	Diarrhea [2.14]	Conduct [1.0]	Headaches [0.58]	Anxiety [0.98]	Depression [0.95]	Congenital [0.99]	Road Inj [0.34]
Nandi	HIV [52.01]	Neonatal [2.11]	Diarrhea [1.61]	Conduct [1.0]	Road Inj [0.43]	Epilepsy [1.52]	Headaches [0.6]	Anxiety [0.99]	Depression [0.95]	Congenital [0.96]
Narok	Neonatal [2.64]	HIV [15.69]	Diarrhea [1.11]	Road Inj [0.45]	Meningitis [1.17]	Epilepsy [1.54]	Conduct [1.0]	Violence [0.9]	Headaches [0.63]	Congenital [0.99]
Nyamira	HIV [72.16]	Road Inj [0.81]	Diarrhea [3.25]	Epilepsy [2.45]	Neonatal [1.7]	Meningitis [3.77]	LRI [1.58]	Violence [1.29]	TB [5.42]	Conduct [1.0]
Nyandarua	HIV [61.49]	Neonatal [2.06]	Road Inj [0.7]	Epilepsy [2.35]	Diarrhea [2.62]	Meningitis [3.26]	Violence [1.32]	LRI [1.38]	TB [4.68]	Conduct [1.0]
Nyeri	HIV [108.54]	Neonatal [1.92]	Road Inj [0.52]	Epilepsy [1.9]	Conduct [1.0]	Diarrhea [2.25]	Meningitis [2.86]	Headaches [0.59]	Anxiety [0.98]	Congenital [1.09]
Samburu	HIV [53.98]	Neonatal [3.13]	Diarrhea [0.71]	Conduct [1.03]	Tetanus [6.21]	Headaches [0.66]	TB [0.68]	Anxiety [1.01]	Meningitis [0.56]	Road Inj [0.29]
Siaya	HIV [85.45]	Malaria [40.82]	Diarrhea [1.36]	Conduct [0.99]	Headaches [0.61]	Anxiety [1.0]	Depression [0.95]	Congenital [0.95]	Epilepsy [1.22]	Neonatal [1.13]
TaitaTaveta	HIV [96.85]	Neonatal [1.76]	Epilepsy [1.9]	Road Inj [0.47]	Conduct [1.0]	Diarrhea [1.83]	Meningitis [2.3]	Headaches [0.58]	Congenital [1.07]	Anxiety [0.98]
TanaRiver	HIV [49.99]	TB [1.71]	Road Inj [0.51]	Meningitis [1.23]	Iron [0.77]	Epilepsy [1.65]	Neonatal [2.1]	Diarrhea [0.8]	LRI [0.77]	Violence [1.03]
TharakaNithi	Diarrhea [2.67]	Road Inj [0.58]	Epilepsy [2.0]	Neonatal [1.48]	Conduct [0.99]	Meningitis [2.49]	Malaria [113.17]	Violence [1.03]	Headaches [0.59]	Anxiety [0.99]
TransNzoia	HIV [94.13]	Neonatal [1.99]	Diarrhea [1.77]	Conduct [1.0]	Headaches [0.6]	Anxiety [0.99]	Depression [0.96]	Epilepsy [1.28]	Road Inj [0.34]	Congenital [0.91]
Turkana	HIV [85.75]	Diarrhea [0.8]	Tetanus [6.84]	Neonatal [2.63]	Iron [0.61]	Conduct [1.03]	Meningitis [0.64]	TB [0.69]	Road Inj [0.31]	Headaches [0.66]
UasinGishu	HIV [66.31]	Neonatal [1.83]	Diarrhea [2.35]	Conduct [0.99]	Headaches [0.59]	Anxiety [0.99]	Epilepsy [1.49]	Dermatitis [1.8]	Depression [0.95]	Congenital [0.97]
Vihiga	HIV [37.54]	Diarrhea [1.76]	Neonatal [1.77]	Road Inj [0.52]	Malaria [29.69]	Epilepsy [1.68]	Meningitis [1.77]	Conduct [0.99]	LRI [0.91]	Headaches [0.61]
Wajir	HIV [21.0]	Diarrhea [0.69]	Tetanus [4.41]	Neonatal [2.99]	Maternal [0.62]	Road Inj [0.37]	Meningitis [0.6]	Conduct [1.06]	Epilepsy [1.13]	TB [0.54]
WestPokot	HIV [16.28]	Diarrhea [1.11]	Neonatal [2.51]	Conduct [1.01]	Leish [22.18]	Malaria [2.8]	Headaches [0.63]	Meningitis [0.83]	Anxiety [1.01]	Depression [0.94]
Madagascar	Diarrhea [1.17]	Iron [0.91]	Congenital [1.48]	Road Inj [0.46]	Malaria [1.35]	LRI [0.77]	PEM [3.96]	Epilepsy [1.29]	Depression [1.13]	Conduct [0.93]
Malawi	HIV [137.69]	Iron [1.3]	Malaria [3.5]	Diarrhea [0.83]	Road Inj [0.46]	Epilepsy [1.3]	Meningitis [0.77]	TB [0.88]	Conduct [0.93]	Headaches [0.64]
Mozambique	HIV [120.15]	Malaria [4.41]	TB [1.49]	Iron [0.91]	Road Inj [0.58]	Diarrhea [0.77]	Epilepsy [1.37]	LRI [0.65]	Depression [1.14]	Conduct [0.93]

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Values shown in brackets represent the ratio of observed DALYs to predicted DALYs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Rwanda	HIV [28.63]	Road Inj [0.71]	Malaria [6.22]	Depression [1.24]	Diarrhea [0.77]	Iron [0.6]	Epilepsy [1.31]	Conduct [0.93]	Headaches [0.62]	Anxiety [1.03]
Somalia	Conflict Terror [40.6]	Road Inj [0.92]	Iron [1.03]	TB [0.98]	Diarrhea [0.54]	Meningitis [0.69]	Epilepsy [1.28]	LRI [0.63]	Depression [1.11]	HIV [8.09]
S Sudan	Conflict Terror [86.81]	Diarrhea [0.86]	Malaria [0.88]	Iron [0.9]	HIV [14.78]	Oncho [79.0]	Road Inj [0.56]	Leish [6.68]	TB [0.77]	Meningitis [0.67]
Tanzania	HIV [58.48]	Iron [1.34]	Malaria [7.27]	Diarrhea [0.87]	Epilepsy [1.45]	Depression [1.14]	Conduct [0.92]	Road Inj [0.36]	Anxiety [1.02]	Hemog [1.87]
Uganda	HIV [77.69]	Malaria [9.95]	Iron [1.11]	Road Inj [0.56]	Depression [1.59]	Diarrhea [0.87]	Epilepsy [1.36]	Conduct [0.93]	TB [1.08]	Headaches [0.61]
Zambia	HIV [135.54]	Malaria [34.5]	Diarrhea [1.73]	Road Inj [0.52]	Epilepsy [1.79]	Headaches [0.77]	TB [2.41]	Meningitis [1.53]	Conduct [0.92]	Iron [0.69]
Southern Sub-Saharan Africa	HIV [300.73]	Violence [2.09]	Road Inj [0.64]	Headaches [0.75]	TB [16.43]	Conduct [0.99]	Anxiety [0.95]	Depression [0.98]	Diarrhea [3.21]	Neonatal [0.91]
Botswana	HIV [81.66]	Road Inj [0.83]	Iron [2.73]	Headaches [0.74]	Neonatal [1.23]	Diarrhea [4.35]	Violence [1.54]	Conduct [0.95]	Depression [1.07]	Anxiety [0.89]
Lesotho	HIV [244.55]	Violence [3.84]	Road Inj [1.56]	TB [7.6]	Diarrhea [2.74]	Depression [1.76]	LRI [1.48]	Self Harm [1.45]	Headaches [0.79]	Conduct [0.93]
Namibia	HIV [225.65]	Road Inj [0.88]	Violence [2.13]	Headaches [0.75]	Diarrhea [3.94]	TB [11.64]	Conduct [0.94]	Iron [1.32]	Anxiety [0.94]	Neonatal [1.0]
S Africa	HIV [374.34]	Violence [2.59]	Headaches [0.75]	Road Inj [0.54]	Conduct [1.02]	Anxiety [0.97]	Depression [1.0]	Neonatal [0.92]	Congenital [0.87]	Dermatitis [1.27]
Swaziland	HIV [296.57]	Road Inj [1.43]	Violence [2.66]	Diarrhea [4.67]	TB [10.85]	Headaches [0.76]	LRI [1.78]	Self Harm [1.25]	Depression [1.14]	Conduct [0.94]
Zimbabwe	HIV [110.78]	TB [4.88]	Road Inj [0.62]	Headaches [0.8]	Diarrhea [1.37]	Self Harm [1.21]	LRI [1.05]	Iron [0.73]	Violence [1.01]	Conduct [0.93]
Western Sub-Saharan Africa	Malaria [31.04]	Iron [1.53]	HIV [22.55]	Headaches [1.02]	Road Inj [0.48]	Diarrhea [1.08]	Conduct [0.93]	Back Pain [1.12]	Hemog [2.26]	Meningitis [1.12]
Benin	Malaria [8.49]	Iron [1.34]	Road Inj [0.81]	Headaches [1.0]	HIV [12.11]	Diarrhea [0.79]	Conduct [0.93]	Back Pain [1.11]	Hemog [1.56]	Anxiety [0.91]
Burkina Faso	Malaria [2.39]	Iron [1.22]	Hemog [2.45]	Headaches [1.1]	Road Inj [0.44]	HIV [10.83]	Diarrhea [0.52]	Typh + Paratyph [1.04]	Conduct [0.96]	Meningitis [0.57]
Cameroon	HIV [56.53]	Malaria [107.6]	Headaches [0.97]	Road Inj [0.58]	Diarrhea [1.44]	Iron [0.8]	Conduct [0.94]	Back Pain [1.04]	Anxiety [0.9]	LRI [0.76]
Cape Verde	Headaches [0.97]	Violence [1.38]	Neonatal [1.39]	Iron [1.18]	Conduct [0.93]	HIV [17.73]	Back Pain [0.96]	Depression [1.0]	Anxiety [0.9]	Epilepsy [1.04]
Chad	Iron [1.44]	HIV [17.19]	Malaria [0.73]	Diarrhea [0.73]	Maternal [0.98]	Road Inj [0.53]	Headaches [1.12]	Meningitis [0.66]	Back Pain [1.38]	LRI [0.56]
Cote d'Ivoire	Malaria [15.45]	HIV [28.77]	Iron [1.13]	Headaches [1.01]	Road Inj [0.55]	Diarrhea [0.85]	Conduct [0.95]	LRI [0.65]	Meningitis [0.92]	Violence [0.82]
Gambia	Iron [1.86]	Hemog [6.03]	Headaches [1.02]	HIV [15.24]	Road Inj [0.46]	Meningitis [1.05]	Diarrhea [0.78]	Vit A [2.15]	Depression [1.13]	Neonatal [1.59]
Ghana	Malaria [394.38]	HIV [42.39]	Iron [2.26]	Road Inj [0.81]	Headaches [0.96]	Hemog [4.49]	Meningitis [2.76]	Conduct [0.93]	Diarrhea [1.57]	Anxiety [0.89]
Guinea	Malaria [3.66]	Iron [0.93]	HIV [13.91]	Headaches [1.08]	Road Inj [0.51]	Diarrhea [0.56]	Meningitis [0.75]	Maternal [0.88]	Conduct [0.95]	LRI [0.56]
Guinea-Bissau	HIV [45.59]	Hemog [5.44]	Road Inj [0.92]	Iron [1.29]	Diarrhea [1.06]	Headaches [1.06]	Meningitis [0.98]	LRI [0.67]	Conduct [0.94]	TB [0.81]
Liberia	Oncho [194.57]	Malaria [2.82]	HIV [20.29]	Iron [0.93]	Diarrhea [0.85]	Headaches [1.06]	Hemog [2.16]	Road Inj [0.35]	Conduct [0.94]	Back Pain [1.09]
Mali	Iron [1.62]	Malaria [1.26]	Diarrhea [0.68]	Headaches [1.12]	HIV [10.87]	Meningitis [0.72]	Road Inj [0.41]	Vit A [1.36]	Maternal [0.6]	Hemog [1.26]
Mauritania	Road Inj [0.85]	Iron [1.19]	Headaches [0.98]	Diarrhea [1.39]	Conduct [0.93]	Neonatal [1.22]	Back Pain [0.96]	Anxiety [0.91]	Depression [0.74]	Meningitis [0.99]
Niger	Malaria [0.77]	Iron [0.94]	Headaches [1.17]	Diarrhea [0.47]	Maternal [0.46]	Road Inj [0.34]	Conduct [0.97]	Meningitis [0.49]	Back Pain [1.24]	Anxiety [0.95]
Nigeria	Malaria [107.06]	Iron [1.99]	HIV [26.56]	Headaches [1.01]	Back Pain [1.24]	Conduct [0.92]	Diarrhea [1.35]	Depression [1.03]	Road Inj [0.38]	Hemog [2.5]

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COLOR KEY:		[0.0-0.73]	(0.73-0.88]	(0.88-0.95]	(0.95-1.01]	(1.01-1.09]	(1.09-1.26]	(1.26-1.55]	(1.55-2.09]	2.09+
	1	2	3	4	5	6	7	8	9	10
Sao Tome Principe	**Headaches** [0.97]	**LRI** [1.11]	**Iron** [0.91]	**Road Inj** [0.47]	**Conduct** [0.94]	**Neonatal** [1.23]	**Back Pain** [0.92]	**Anxiety** [0.9]	**Depression** [0.85]	**Congenital** [0.88]
Senegal	**Iron** [1.62]	**Headaches** [1.04]	**Diarrhea** [0.89]	**Hemog** [2.3]	**Road Inj** [0.42]	**Meningitis** [0.93]	**Conduct** [0.95]	**Neonatal** [1.5]	**HIV** [7.65]	**Anxiety** [0.91]
Sierra Leone	**Malaria** [8.59]	**Iron** [0.97]	**Diarrhea** [0.89]	**Headaches** [1.07]	**Road Inj** [0.51]	**Maternal** [1.31]	**Meningitis** [0.9]	**Conduct** [0.93]	**LRI** [0.62]	**HIV** [8.28]
Togo	**HIV** [48.7]	**Malaria** [26.86]	**Road Inj** [0.65]	**Iron** [1.04]	**Hemog** [3.4]	**Headaches** [1.0]	**Diarrhea** [0.98]	**Conduct** [0.94]	**Back Pain** [1.04]	**Anxiety** [0.9]

Appendix Figure 8: Co−evolution of YLL to YLD ratios and SDI for GBD regions and Level 1 causes, 1990 to 2017, both sexes combined.

(a) All causes

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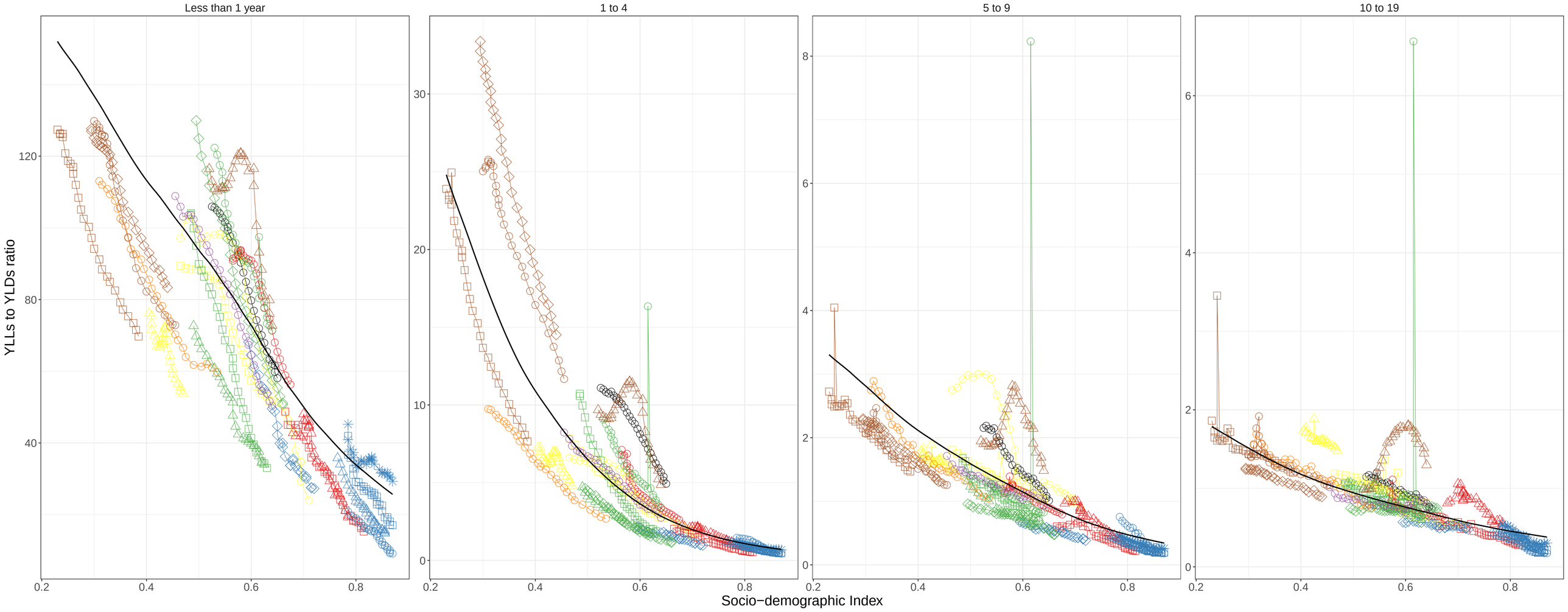

The coevolution of YLL to YLD ratio is plotted for each GBD region through time. In panel a) changes across all causes are plotted; in panel b) changes in the YLL to YLD ratio for maternal, neonatal, and nutritional (CMNN) conditions are plotted; in panel c), changes in the YLL to YLD ratio for non−communicable diseases (NCDs) is plotted and in panel d) changes in the YLL to YLD ratio for injuries is plotted. Within each panel, trends for children less than 1 are plotted in left sub−panel, between 1 and 4 in the second sub−panel, between 5 and 9 in the third sub−panel, and between 10 and 19 in the right sub−panel. Abbreviations: YLD=year of life lived with disability, YLL=year of life lost, GBD=Global Burden of Disease.

Appendix Figure 8: Co−evolution of YLL to YLD ratios and SDI for GBD regions and Level 1 causes, 1990 to 2017, both sexes combined.

(b) Communicable, maternal, neonatal, and nutritional diseases

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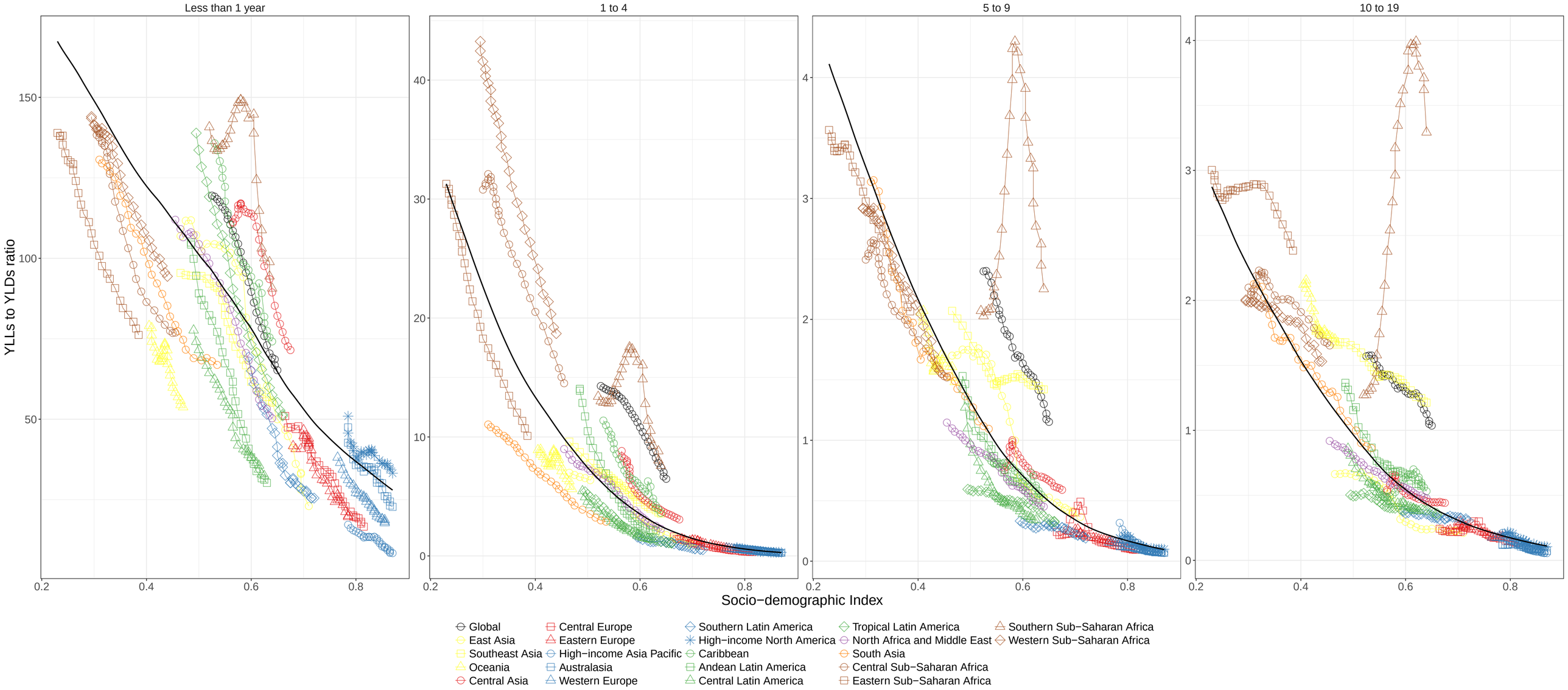

The coevolution of YLL to YLD ratio is plotted for each GBD region through time. In panel a) changes across all causes are plotted; in panel b) changes in the YLL to YLD ratio for maternal, neonatal, and nutritional (CMNN) conditions are plotted; in panel c), changes in the YLL to YLD ratio for non−communicable diseases (NCDs) is plotted and in panel d) changes in the YLL to YLD ratio for injuries is plotted. Within each panel, trends for children less than 1 are plotted in left sub−panel, between 1 and 4 in the second sub−panel, between 5 and 9 in the third sub−panel, and between 10 and 19 in the right sub−panel. Abbreviations: YLD=year of life lived with disability, YLL=year of life lost, GBD=Global Burden of Disease.

Appendix Figure 8: Co−evolution of YLL to YLD ratios and SDI for GBD regions and Level 1 causes, 1990 to 2017, both sexes combined.

(c) Non−communicable diseases

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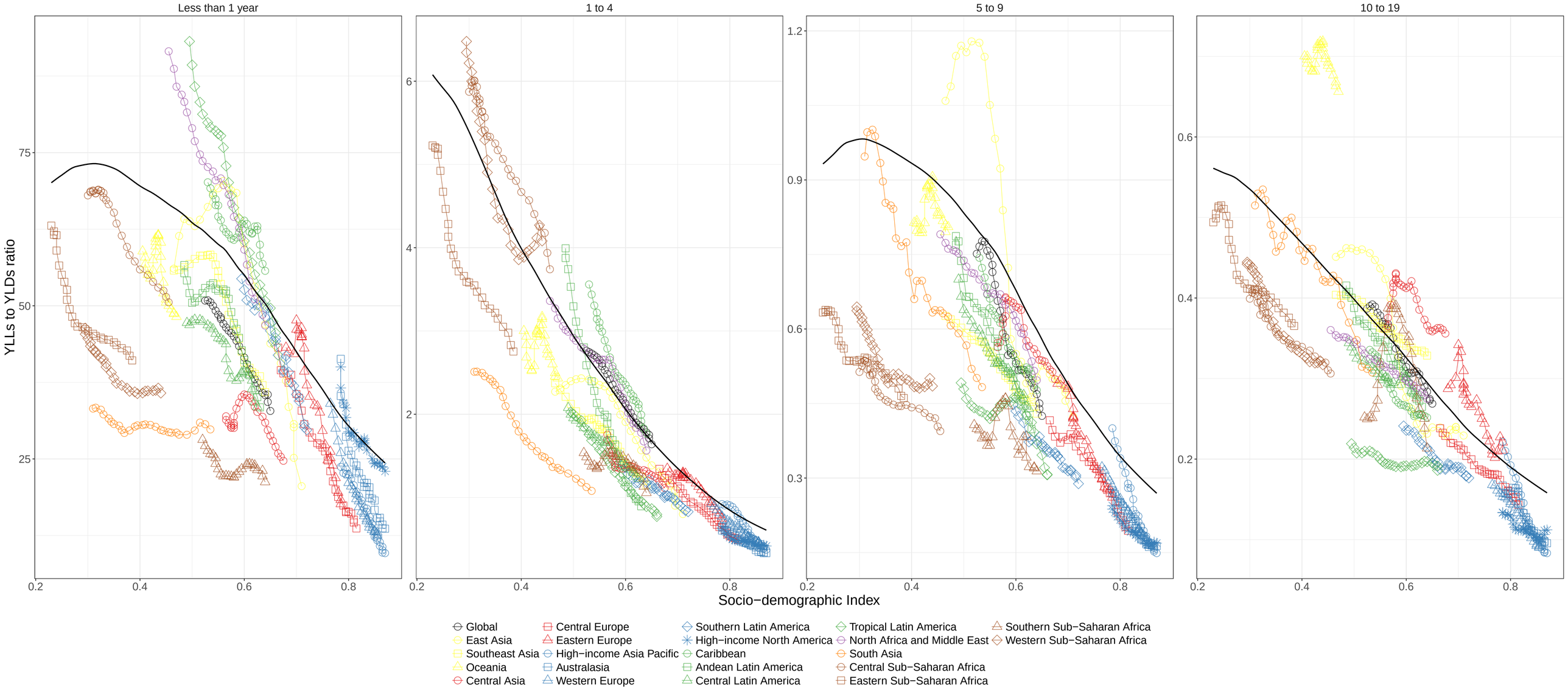

The coevolution of YLL to YLD ratio is plotted for each GBD region through time. In panel a) changes across all causes are plotted; in panel b) changes in the YLL to YLD ratio for maternal, neonatal, and nutritional (CMNN) conditions are plotted; in panel c), changes in the YLL to YLD ratio for non−communicable diseases (NCDs) is plotted and in panel d) changes in the YLL to YLD ratio for injuries is plotted. Within each panel, trends for children less than 1 are plotted in left sub−panel, between 1 and 4 in the second sub−panel, between 5 and 9 in the third sub−panel, and between 10 and 19 in the right sub−panel. Abbreviations: YLD=year of life lived with disability, YLL=year of life lost, GBD=Global Burden of Disease.

Appendix Figure 8: Co−evolution of YLL to YLD ratios and SDI for GBD regions and Level 1 causes, 1990 to 2017, both sexes combined.

(d) Injuries

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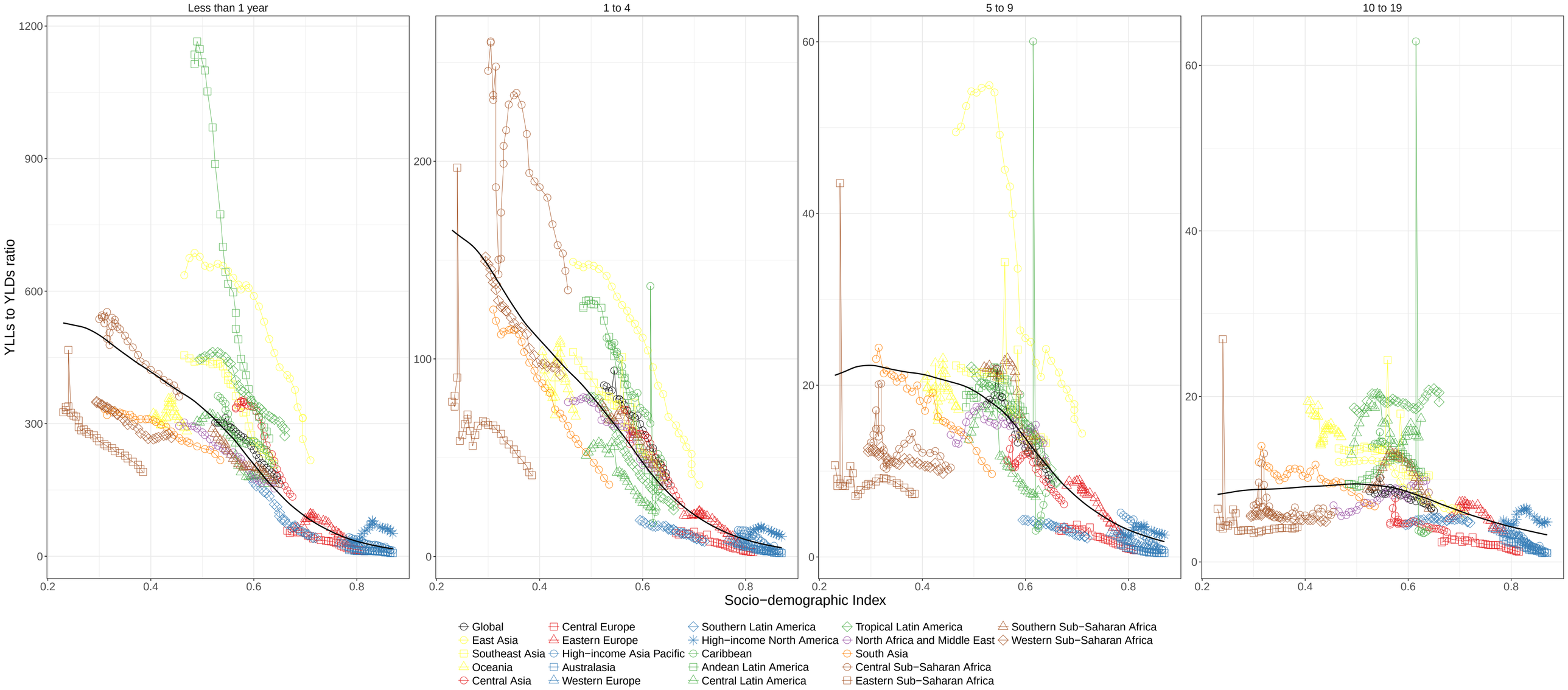

The coevolution of YLL to YLD ratio is plotted for each GBD region through time. In panel a) changes across all causes are plotted; in panel b) changes in the YLL to YLD ratio for maternal, neonatal, and nutritional (CMNN) conditions are plotted; in panel c), changes in the YLL to YLD ratio for non−communicable diseases (NCDs) is plotted and in panel d) changes in the YLL to YLD ratio for injuries is plotted. Within each panel, trends for children less than 1 are plotted in left sub−panel, between 1 and 4 in the second sub−panel, between 5 and 9 in the third sub−panel, and between 10 and 19 in the right sub−panel. Abbreviations: YLD=year of life lived with disability, YLL=year of life lost, GBD=Global Burden of Disease.

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Global	**Iron** [2.08]	**Neonatal** [1.13]	**Headaches** [0.82]	**Vit A** [1.88]	**Conduct** [0.87]	**Dermatitis** [0.79]	**Anxiety** [0.86]	**Congenital** [0.99]	**Back Pain** [0.79]	**Depression** [0.87]
Low SDI	**Iron** [1.2]	**Vit A** [1.01]	**Neonatal** [1.34]	**Headaches** [0.96]	**Dermatitis** [0.85]	**Conduct** [0.94]	**Diarrhea** [0.94]	**Congenital** [1.04]	**Anxiety** [0.98]	**Depression** [0.96]
Low-middle SDI	**Iron** [1.64]	**Neonatal** [1.16]	**Vit A** [1.29]	**Headaches** [0.95]	**Conduct** [0.89]	**Dermatitis** [0.79]	**Anxiety** [0.92]	**Diarrhea** [1.13]	**Congenital** [1.05]	**Back Pain** [0.92]
Middle SDI	**Neonatal** [1.2]	**Headaches** [0.81]	**Iron** [1.12]	**Conduct** [0.87]	**Dermatitis** [0.7]	**Anxiety** [0.77]	**Vit A** [1.16]	**Asthma** [0.79]	**Back Pain** [0.76]	**Congenital** [0.91]
High-middle SDI	**Neonatal** [1.34]	**Headaches** [0.75]	**Anxiety** [0.72]	**Conduct** [0.89]	**Back Pain** [0.77]	**Dermatitis** [0.6]	**Depression** [0.82]	**Asthma** [0.83]	**Congenital** [0.92]	**Iron** [2.91]
High SDI	**Neonatal** [0.88]	**Headaches** [0.92]	**Dermatitis** [1.2]	**Anxiety** [1.16]	**Depression** [1.31]	**Conduct** [0.98]	**Back Pain** [1.05]	**Asthma** [0.96]	**Drugs** [3.12]	**Congenital** [0.89]
Central Europe, Eastern Europe, and Central Asia	**Neonatal** [1.38]	**Headaches** [0.82]	**Iron** [2.41]	**Conduct** [0.94]	**Falls** [1.7]	**Congenital** [1.08]	**Dermatitis** [0.61]	**Back Pain** [0.73]	**Anxiety** [0.56]	**Upper Digest** [3.75]
Central Asia	**Iron** [2.31]	**Neonatal** [0.98]	**Headaches** [0.78]	**Conduct** [0.88]	**Vit A** [1.55]	**Congenital** [1.07]	**Epilepsy** [1.3]	**Dermatitis** [0.54]	**Back Pain** [0.66]	**Depression** [0.69]
Armenia	**Iron** [3.01]	**Neonatal** [0.99]	**Headaches** [0.79]	**Conduct** [0.92]	**Congenital** [1.06]	**Back Pain** [0.68]	**Diarrhea** [1.37]	**Dermatitis** [0.53]	**Anxiety** [0.53]	**Epilepsy** [1.22]
Azerbaijan	**Neonatal** [0.96]	**Headaches** [0.79]	**Iron** [1.56]	**Conduct** [0.91]	**Congenital** [1.04]	**Back Pain** [0.66]	**Dermatitis** [0.53]	**Epilepsy** [1.34]	**Diarrhea** [1.25]	**Anxiety** [0.53]
Georgia	**Neonatal** [0.99]	**Headaches** [0.79]	**Conduct** [0.91]	**Iron** [1.1]	**Congenital** [1.08]	**Epilepsy** [1.26]	**Anxiety** [0.53]	**Diarrhea** [1.23]	**Dermatitis** [0.49]	**Back Pain** [0.59]
Kazakhstan	**Neonatal** [1.07]	**Vit A** [3.21]	**Headaches** [0.71]	**Iron** [1.74]	**Conduct** [0.84]	**Congenital** [1.1]	**Depression** [0.73]	**Back Pain** [0.62]	**Epilepsy** [1.43]	**Dermatitis** [0.5]
Kyrgyzstan	**Iron** [1.88]	**Neonatal** [1.03]	**Headaches** [0.79]	**Vit A** [1.14]	**Conduct** [0.87]	**Congenital** [1.09]	**Hernia** [6.09]	**Dermatitis** [0.58]	**Back Pain** [0.69]	**Epilepsy** [1.05]
Mongolia	**Neonatal** [1.03]	**Vit A** [2.22]	**Iron** [1.23]	**Headaches** [0.72]	**Conduct** [0.82]	**Congenital** [1.1]	**Dermatitis** [0.56]	**Diarrhea** [1.19]	**Depression** [0.78]	**Epilepsy** [1.25]
Tajikistan	**Iron** [0.9]	**Neonatal** [1.05]	**Vit A** [0.98]	**Headaches** [0.86]	**Conduct** [0.91]	**Congenital** [1.1]	**Diarrhea** [0.99]	**Epilepsy** [1.09]	**Dermatitis** [0.58]	**Back Pain** [0.75]
Turkmenistan	**Neonatal** [0.9]	**Iron** [1.56]	**Headaches** [0.75]	**Conduct** [0.86]	**Congenital** [1.07]	**Dermatitis** [0.54]	**Epilepsy** [1.31]	**Vit A** [1.14]	**Back Pain** [0.61]	**Anxiety** [0.51]
Uzbekistan	**Iron** [2.64]	**Neonatal** [0.93]	**Headaches** [0.83]	**Conduct** [0.91]	**Congenital** [1.05]	**Vit A** [1.04]	**Epilepsy** [1.25]	**Back Pain** [0.71]	**Dermatitis** [0.56]	**Depression** [0.75]
Central Europe	**Neonatal** [1.42]	**Headaches** [0.85]	**Falls** [2.16]	**Conduct** [0.99]	**Back Pain** [0.89]	**Congenital** [1.22]	**Anxiety** [0.67]	**Dermatitis** [0.65]	**Diarrhea** [2.26]	**Upper Digest** [3.99]
Albania	**Neonatal** [1.18]	**Headaches** [0.95]	**Falls** [3.38]	**Back Pain** [1.19]	**Conduct** [1.0]	**Congenital** [1.17]	**Anxiety** [0.82]	**Vit A** [1.31]	**Iron** [0.78]	**Upper Digest** [3.38]
Bosnia	**Neonatal** [1.34]	**Headaches** [0.93]	**Falls** [3.21]	**Conduct** [1.0]	**Back Pain** [0.96]	**Anxiety** [0.79]	**Congenital** [1.17]	**Vit A** [1.61]	**Dermatitis** [0.59]	**Iron** [0.85]
Bulgaria	**Neonatal** [1.26]	**Headaches** [0.83]	**Falls** [2.22]	**Conduct** [0.97]	**Congenital** [1.26]	**Anxiety** [0.71]	**Back Pain** [0.83]	**Diarrhea** [1.97]	**Dermatitis** [0.53]	**Vit A** [2.25]
Croatia	**Neonatal** [1.53]	**Headaches** [0.88]	**Conduct** [1.01]	**Back Pain** [0.9]	**Anxiety** [0.68]	**Congenital** [1.2]	**Falls** [1.35]	**Dermatitis** [0.56]	**Diarrhea** [1.95]	**Depression** [0.7]
Czech	**Neonatal** [0.96]	**Falls** [2.33]	**Headaches** [0.79]	**Back Pain** [0.93]	**Conduct** [0.96]	**Dermatitis** [0.66]	**Congenital** [1.17]	**Anxiety** [0.61]	**Diarrhea** [2.68]	**Depression** [0.59]
Hungary	**Neonatal** [1.36]	**Headaches** [0.87]	**Falls** [2.24]	**Diarrhea** [3.35]	**Back Pain** [1.01]	**Conduct** [1.01]	**Dermatitis** [0.76]	**Congenital** [1.25]	**Anxiety** [0.68]	**Depression** [0.62]
Macedonia	**Neonatal** [1.34]	**Headaches** [0.88]	**Falls** [2.55]	**Conduct** [0.97]	**Iron** [1.81]	**Congenital** [1.16]	**Anxiety** [0.72]	**Vit A** [2.35]	**Back Pain** [0.7]	**Dermatitis** [0.54]
Montenegro	**Neonatal** [1.32]	**Headaches** [0.89]	**Falls** [2.36]	**Conduct** [1.01]	**Back Pain** [0.97]	**Congenital** [1.18]	**Anxiety** [0.71]	**Dermatitis** [0.57]	**Depression** [0.65]	**Vit A** [2.4]
Poland	**Neonatal** [1.59]	**Headaches** [0.84]	**Falls** [1.96]	**Conduct** [0.98]	**Dermatitis** [0.75]	**Congenital** [1.23]	**Anxiety** [0.64]	**Back Pain** [0.72]	**Upper Digest** [4.72]	**Asthma** [0.78]
Romania	**Neonatal** [1.44]	**Iron** [4.07]	**Headaches** [0.87]	**Falls** [2.31]	**Back Pain** [1.08]	**Conduct** [1.0]	**Upper Digest** [5.78]	**Diarrhea** [2.51]	**Congenital** [1.21]	**Vit A** [3.22]
Serbia	**Neonatal** [1.73]	**Headaches** [0.88]	**Falls** [2.71]	**Conduct** [1.0]	**Back Pain** [1.01]	**Congenital** [1.26]	**Anxiety** [0.73]	**Dermatitis** [0.58]	**Vit A** [1.71]	**Diarrhea** [1.39]
Slovakia	**Neonatal** [1.06]	**Headaches** [0.84]	**Falls** [1.99]	**Back Pain** [0.97]	**Conduct** [0.98]	**Congenital** [1.3]	**Diarrhea** [2.83]	**Anxiety** [0.65]	**Dermatitis** [0.65]	**Upper Digest** [4.28]
Slovenia	**Neonatal** [1.13]	**Falls** [2.23]	**Headaches** [0.81]	**Back Pain** [0.98]	**Conduct** [0.97]	**Congenital** [1.28]	**Anxiety** [0.61]	**Diarrhea** [2.71]	**Dermatitis** [0.57]	**Asthma** [0.71]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Eastern Europe	Neonatal [1.66]	Headaches [0.84]	Conduct [0.96]	Upper Digest [5.86]	Falls [1.67]	Dermatitis [0.65]	Iron [1.95]	Congenital [1.03]	Back Pain [0.71]	Anxiety [0.54]
Belarus	Neonatal [1.62]	Headaches [0.86]	Conduct [0.91]	Upper Digest [5.8]	Dermatitis [0.73]	Falls [1.7]	Back Pain [0.75]	Congenital [1.01]	Anxiety [0.56]	Depression [0.72]
Estonia	Neonatal [1.72]	Headaches [0.88]	Dermatitis [0.94]	Conduct [0.97]	Upper Digest [6.43]	Falls [1.35]	Congenital [1.06]	Back Pain [0.67]	Diarrhea [2.58]	Anxiety [0.53]
Latvia	Neonatal [1.55]	Headaches [0.88]	Upper Digest [7.25]	Conduct [0.95]	Falls [1.49]	Dermatitis [0.66]	Back Pain [0.76]	Diarrhea [2.38]	Congenital [0.97]	Anxiety [0.54]
Lithuania	Neonatal [1.78]	Headaches [1.01]	Conduct [0.98]	Upper Digest [6.86]	Falls [1.47]	Back Pain [0.77]	Congenital [1.14]	Diarrhea [2.62]	Depression [0.83]	Anxiety [0.56]
Moldova	Neonatal [1.68]	Headaches [0.97]	Iron [1.4]	Upper Digest [7.47]	Conduct [0.97]	Falls [2.67]	Dermatitis [0.77]	Back Pain [0.9]	Congenital [0.99]	Anxiety [0.68]
Russian Federation	Neonatal [1.66]	Headaches [0.82]	Conduct [0.96]	Upper Digest [5.74]	Falls [1.65]	Dermatitis [0.64]	Iron [2.14]	Congenital [1.01]	Back Pain [0.65]	Diarrhea [1.88]
Ukraine	Neonatal [1.62]	Headaches [0.89]	Conduct [0.98]	Upper Digest [5.88]	Back Pain [0.91]	Falls [1.92]	Dermatitis [0.66]	Congenital [1.06]	Iron [1.25]	Anxiety [0.59]
High-income	Dermatitis [1.2]	Neonatal [0.9]	Headaches [0.93]	Anxiety [1.09]	Depression [1.35]	Back Pain [1.02]	Conduct [1.02]	Asthma [1.04]	Drugs [2.85]	Congenital [0.93]
Australasia	Asthma [1.97]	Anxiety [1.19]	Neonatal [0.91]	Falls [2.01]	Dermatitis [1.08]	Depression [1.52]	Headaches [0.84]	Back Pain [1.14]	Conduct [0.99]	Congenital [0.78]
Australia	Asthma [2.03]	Anxiety [1.14]	Neonatal [0.88]	Depression [1.54]	Falls [1.92]	Headaches [0.83]	Dermatitis [1.03]	Back Pain [1.08]	Conduct [0.97]	Congenital [0.78]
New Zealand	Anxiety [1.48]	Dermatitis [1.35]	Neonatal [1.02]	Falls [2.49]	Back Pain [1.43]	Asthma [1.66]	Headaches [0.85]	Depression [1.41]	Conduct [1.06]	Mech [5.29]
High-income Asia Pacific	Neonatal [1.15]	Dermatitis [1.2]	Back Pain [1.2]	Headaches [0.77]	Anxiety [0.8]	Conduct [0.99]	Depression [0.95]	Falls [1.18]	Asthma [0.81]	Congenital [0.93]
Brunei	Neonatal [1.15]	Dermatitis [1.13]	Headaches [0.74]	Anxiety [0.81]	Back Pain [0.96]	Conduct [0.92]	Depression [0.85]	Iron [3.52]	Falls [1.09]	Asthma [0.77]
Japan	Neonatal [1.13]	Dermatitis [1.27]	Back Pain [1.28]	Headaches [0.72]	Conduct [1.03]	Anxiety [0.78]	Falls [1.29]	Depression [0.92]	Congenital [1.02]	Asthma [0.82]
Aichi	Neonatal [1.16]	Dermatitis [1.28]	Back Pain [1.25]	Conduct [1.02]	Anxiety [0.77]	Headaches [0.56]	Falls [1.24]	Depression [0.91]	ASD [2.01]	Asthma [0.83]
Akita	Neonatal [1.21]	Dermatitis [1.25]	Back Pain [1.38]	Headaches [0.77]	Conduct [1.05]	Anxiety [0.85]	Depression [1.05]	Falls [1.45]	Congenital [1.09]	Asthma [0.8]
Aomori	Neonatal [1.14]	Dermatitis [1.25]	Back Pain [1.37]	Headaches [0.76]	Conduct [1.04]	Anxiety [0.84]	Falls [1.46]	Depression [1.0]	Asthma [0.8]	Acne [1.46]
Chiba	Neonatal [1.12]	Dermatitis [1.26]	Back Pain [1.29]	Headaches [0.74]	Conduct [1.04]	Anxiety [0.79]	Falls [1.31]	Depression [0.94]	Congenital [1.05]	Asthma [0.82]
Ehime	Dermatitis [1.27]	Neonatal [0.93]	Back Pain [1.28]	Headaches [0.73]	Conduct [1.03]	Anxiety [0.81]	Falls [1.37]	Depression [0.92]	Asthma [0.8]	Congenital [0.93]
Fukui	Neonatal [1.11]	Dermatitis [1.26]	Back Pain [1.29]	Headaches [0.73]	Conduct [1.04]	Anxiety [0.8]	Falls [1.33]	Depression [0.91]	Asthma [0.81]	Congenital [0.91]
Fukuoka	Neonatal [1.11]	Dermatitis [1.28]	Back Pain [1.24]	Headaches [0.71]	Conduct [1.0]	Anxiety [0.78]	Falls [1.3]	Depression [0.89]	Asthma [0.82]	Congenital [0.97]
Fukushima	Neonatal [1.04]	Dermatitis [1.25]	Back Pain [1.34]	Headaches [0.74]	Conduct [1.04]	Anxiety [0.83]	Falls [1.43]	Depression [0.96]	Congenital [1.01]	Asthma [0.79]
Gifu	Neonatal [1.15]	Dermatitis [1.26]	Back Pain [1.33]	Headaches [0.75]	Conduct [1.04]	Anxiety [0.81]	Falls [1.35]	Depression [0.81]	Iron [3.19]	Asthma [0.81]
Gunma	Neonatal [1.08]	Dermatitis [1.25]	Back Pain [1.34]	Headaches [0.75]	Conduct [1.05]	Anxiety [0.82]	Falls [1.37]	Depression [0.99]	Iron [3.47]	Asthma [0.81]
Hiroshima	Neonatal [1.17]	Dermatitis [1.28]	Back Pain [1.23]	Headaches [0.71]	Conduct [1.02]	Anxiety [0.77]	Falls [1.26]	Depression [0.87]	Asthma [0.83]	Congenital [0.91]
Hokkaido	Neonatal [1.08]	Dermatitis [1.26]	Back Pain [1.32]	Headaches [0.74]	Conduct [1.03]	Anxiety [0.81]	Falls [1.39]	Depression [0.95]	Congenital [1.0]	Iron [3.02]
Hyogo	Neonatal [1.14]	Dermatitis [1.26]	Back Pain [1.29]	Headaches [0.74]	Conduct [1.03]	Anxiety [0.79]	Falls [1.3]	Depression [0.95]	Acne [1.33]	Asthma [0.68]
Ibaraki	Neonatal [1.17]	Dermatitis [1.26]	Back Pain [1.31]	Conduct [1.04]	Anxiety [0.81]	Headaches [0.65]	Falls [1.34]	Depression [0.96]	Congenital [1.08]	Asthma [0.81]
Ishikawa	Neonatal [1.09]	Dermatitis [1.26]	Back Pain [1.31]	Headaches [0.75]	Conduct [1.04]	Anxiety [0.81]	Falls [1.33]	Depression [0.92]	Congenital [1.0]	Asthma [0.82]
Iwate	Neonatal [1.17]	Dermatitis [1.26]	Back Pain [1.34]	Headaches [0.74]	Conduct [1.03]	Anxiety [0.83]	Depression [1.0]	Falls [1.44]	Congenital [1.07]	Asthma [0.8]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Kagawa	Neonatal [1.07]	Dermatitis [1.26]	Back Pain [1.28]	Headaches [0.74]	Conduct [1.04]	Anxiety [0.81]	Falls [1.33]	Depression [0.91]	Asthma [0.81]	Congenital [0.96]
Kagoshima	Neonatal [0.98]	Dermatitis [1.29]	Back Pain [1.23]	Headaches [0.7]	Conduct [1.0]	Anxiety [0.79]	Falls [1.38]	Congenital [1.13]	Asthma [0.8]	Depression [0.76]
Kanagawa	Neonatal [1.18]	Dermatitis [1.27]	Back Pain [1.26]	Headaches [0.73]	Conduct [1.03]	Anxiety [0.77]	Falls [1.27]	Depression [0.95]	Congenital [1.16]	Asthma [0.84]
Kochi	Neonatal [1.04]	Dermatitis [1.26]	Back Pain [1.32]	Headaches [0.74]	Conduct [1.03]	Anxiety [0.83]	Falls [1.42]	Depression [0.94]	Iron [3.11]	Asthma [0.79]
Kumamoto	Neonatal [1.02]	Dermatitis [1.29]	Back Pain [1.23]	Headaches [0.69]	Conduct [0.99]	Anxiety [0.79]	Falls [1.39]	Depression [0.86]	Asthma [0.81]	Iron [2.6]
Kyoto	Neonatal [1.17]	Back Pain [1.34]	Dermatitis [0.99]	Headaches [0.76]	Conduct [1.05]	Anxiety [0.79]	Falls [1.28]	Depression [0.97]	Congenital [1.25]	Asthma [0.83]
Mie	Neonatal [1.16]	Dermatitis [1.27]	Back Pain [1.28]	Headaches [0.73]	Conduct [1.03]	Anxiety [0.8]	Falls [1.31]	Depression [0.9]	Iron [3.27]	Asthma [0.82]
Miyagi	Neonatal [1.07]	Dermatitis [1.26]	Back Pain [1.32]	Headaches [0.74]	Conduct [1.03]	Anxiety [0.8]	Falls [1.36]	Depression [0.99]	Congenital [1.1]	Acne [1.4]
Miyazaki	Neonatal [1.02]	Dermatitis [1.29]	Back Pain [1.25]	Headaches [0.7]	Conduct [1.0]	Anxiety [0.8]	Falls [1.42]	Depression [0.9]	Iron [3.0]	Congenital [1.01]
Nagano	Neonatal [1.18]	Dermatitis [1.26]	Back Pain [1.3]	Headaches [0.74]	Conduct [1.04]	Anxiety [0.8]	Falls [1.36]	Depression [0.93]	Asthma [0.82]	Iron [3.15]
Nagasaki	Neonatal [1.02]	Dermatitis [1.28]	Back Pain [1.25]	Headaches [0.72]	Conduct [1.0]	Anxiety [0.81]	Falls [1.42]	Congenital [1.12]	Depression [0.89]	Asthma [0.8]
Nara	Neonatal [1.0]	Dermatitis [1.26]	Back Pain [1.37]	Headaches [0.76]	Conduct [1.05]	Anxiety [0.82]	Falls [1.38]	Congenital [1.23]	Depression [0.95]	Asthma [0.81]
Niigata	Neonatal [1.14]	Dermatitis [1.26]	Back Pain [1.47]	Headaches [0.74]	Conduct [1.03]	Anxiety [0.81]	Falls [1.37]	Depression [0.99]	Congenital [1.06]	Asthma [0.81]
Oita	Neonatal [1.19]	Dermatitis [1.27]	Back Pain [1.26]	Headaches [0.72]	Conduct [1.02]	Anxiety [0.79]	Falls [1.34]	Depression [0.91]	Asthma [0.8]	Iron [2.79]
Okayama	Neonatal [1.2]	Dermatitis [1.26]	Back Pain [1.29]	Headaches [0.74]	Conduct [1.03]	Anxiety [0.79]	Falls [1.31]	Depression [0.91]	Asthma [0.81]	Acne [1.34]
Okinawa	Neonatal [1.08]	Dermatitis [1.3]	Back Pain [1.19]	Headaches [0.68]	Conduct [0.96]	Anxiety [0.78]	Falls [1.42]	Depression [0.84]	Iron [2.34]	Asthma [0.67]
Osaka	Neonatal [1.07]	Dermatitis [1.26]	Back Pain [1.3]	Headaches [0.74]	Conduct [1.04]	Anxiety [0.79]	Falls [1.3]	Depression [0.98]	Congenital [1.09]	Asthma [0.83]
Saga	Neonatal [1.07]	Dermatitis [1.28]	Back Pain [1.27]	Headaches [0.72]	Conduct [1.01]	Anxiety [0.8]	Falls [1.38]	Depression [0.88]	Asthma [0.81]	Congenital [0.91]
Saitama	Neonatal [1.1]	Dermatitis [1.27]	Back Pain [1.33]	Headaches [0.73]	Conduct [1.02]	Anxiety [0.8]	Falls [1.36]	Depression [0.96]	Asthma [0.82]	Acne [1.35]
Shiga	Dermatitis [1.55]	Neonatal [1.06]	Back Pain [1.27]	Headaches [0.73]	Conduct [1.04]	Anxiety [0.78]	Falls [1.27]	Depression [0.89]	Congenital [1.03]	Asthma [0.83]
Shimane	Neonatal [1.05]	Dermatitis [1.27]	Back Pain [1.19]	Headaches [0.71]	Conduct [1.02]	Anxiety [0.8]	Falls [1.4]	Depression [0.93]	Asthma [0.79]	Iron [2.45]
Shizuoka	Neonatal [1.24]	Dermatitis [1.27]	Back Pain [1.25]	Headaches [0.72]	Conduct [1.03]	Anxiety [0.79]	Falls [1.29]	Depression [0.9]	Asthma [0.82]	Iron [3.14]
Tochigi	Neonatal [1.19]	Dermatitis [1.27]	Back Pain [1.29]	Headaches [0.73]	Conduct [1.03]	Anxiety [0.79]	Congenital [1.37]	Falls [1.31]	Depression [0.91]	Asthma [0.82]
Tokushima	Neonatal [1.12]	Dermatitis [1.26]	Back Pain [1.29]	Headaches [0.74]	Conduct [1.02]	Anxiety [0.81]	Falls [1.34]	Depression [0.93]	Asthma [0.8]	Congenital [0.93]
Tokyo	Neonatal [1.22]	Dermatitis [1.31]	Back Pain [1.19]	Headaches [0.71]	Conduct [1.02]	Anxiety [0.71]	Falls [1.09]	Congenital [1.26]	Depression [0.83]	Asthma [0.89]
Tottori	Neonatal [1.14]	Dermatitis [1.28]	Back Pain [1.26]	Headaches [0.67]	Conduct [1.01]	Anxiety [0.8]	Falls [1.38]	Depression [0.9]	Congenital [1.08]	Asthma [0.81]
Toyama	Neonatal [1.09]	Dermatitis [1.26]	Back Pain [1.28]	Headaches [0.73]	Conduct [1.05]	Anxiety [0.8]	Falls [1.3]	Depression [0.93]	Iron [3.7]	Asthma [0.82]
Wakayama	Neonatal [1.17]	Back Pain [1.48]	Dermatitis [1.26]	Headaches [0.73]	Conduct [1.03]	Anxiety [0.81]	Falls [1.38]	Depression [0.94]	Asthma [0.8]	Iron [2.83]
Yamagata	Neonatal [0.96]	Dermatitis [1.26]	Back Pain [1.34]	Headaches [0.74]	Conduct [1.04]	Anxiety [0.83]	Falls [1.45]	Depression [0.92]	Iron [2.93]	Asthma [0.8]
Yamaguchi	Neonatal [0.99]	Dermatitis [1.27]	Back Pain [1.28]	Headaches [0.73]	Conduct [1.03]	Anxiety [0.8]	Falls [1.33]	Depression [0.92]	Asthma [0.81]	Acne [1.35]
Yamanashi	Neonatal [1.24]	Dermatitis [1.24]	Back Pain [1.36]	Headaches [0.76]	Conduct [1.07]	Anxiety [0.82]	Falls [1.35]	Depression [0.96]	Congenital [0.99]	Asthma [0.81]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
S Korea	Neonatal [1.17]	Headaches [0.89]	Dermatitis [1.08]	Back Pain [1.08]	Anxiety [0.85]	Conduct [0.9]	Depression [0.99]	Falls [1.0]	Asthma [0.8]	Acne [1.34]
Singapore	Neonatal [1.17]	Dermatitis [1.02]	Headaches [0.71]	Depression [1.2]	Anxiety [0.8]	Back Pain [0.88]	Conduct [0.87]	Falls [1.03]	Asthma [0.8]	Acne [1.21]
High-income North America	Dermatitis [1.34]	Headaches [1.01]	Depression [1.77]	Drugs [5.58]	Neonatal [0.89]	Anxiety [1.01]	Conduct [1.19]	Asthma [1.16]	Back Pain [0.83]	Skin Viral [1.29]
Canada	Dermatitis [1.45]	Headaches [1.0]	Drugs [4.89]	Depression [1.28]	Asthma [1.3]	Anxiety [0.8]	Conduct [0.98]	Back Pain [0.91]	Neonatal [0.62]	Skin Viral [1.39]
Greenland	Depression [2.35]	Dermatitis [1.39]	Headaches [0.97]	Anxiety [0.99]	Asthma [1.26]	Drugs [4.34]	Neonatal [0.61]	Conduct [0.96]	Back Pain [0.77]	Skin Viral [1.3]
USA	Dermatitis [1.33]	Depression [1.82]	Headaches [1.01]	Drugs [5.66]	Neonatal [0.91]	Anxiety [1.03]	Conduct [1.21]	Asthma [1.14]	Back Pain [0.82]	Congenital [0.88]
Alabama	Drugs [6.99]	Headaches [1.04]	Depression [1.82]	Neonatal [0.89]	Dermatitis [1.16]	Anxiety [1.08]	Conduct [1.18]	Back Pain [1.08]	Asthma [1.08]	Skin Viral [1.28]
Alaska	Headaches [0.95]	Depression [1.71]	Dermatitis [1.2]	Drugs [5.48]	Neonatal [0.86]	Anxiety [0.99]	Conduct [1.16]	Back Pain [0.88]	Asthma [0.88]	Congenital [0.97]
Arizona	Drugs [7.48]	Depression [2.1]	Dermatitis [1.36]	Headaches [1.03]	Neonatal [0.9]	Anxiety [1.07]	Conduct [1.19]	Asthma [1.22]	Back Pain [0.91]	Congenital [0.85]
Arkansas	Depression [2.11]	Drugs [6.98]	Headaches [1.02]	Anxiety [1.08]	Dermatitis [1.07]	Neonatal [0.79]	Conduct [1.18]	Back Pain [0.83]	Asthma [0.83]	Skin Viral [1.09]
California	Dermatitis [1.49]	Headaches [1.02]	Depression [1.76]	Anxiety [1.0]	Conduct [1.2]	Neonatal [0.76]	Drugs [4.22]	Asthma [1.12]	Back Pain [0.7]	Acne [1.3]
Colorado	Depression [2.02]	Headaches [1.03]	Dermatitis [1.19]	Neonatal [0.92]	Anxiety [1.02]	Drugs [4.86]	Conduct [1.22]	Asthma [1.14]	Back Pain [0.83]	Oth MSK [6.32]
Connecticut	Drugs [7.31]	Dermatitis [1.49]	Neonatal [1.08]	Headaches [1.07]	Depression [1.67]	Anxiety [1.03]	Conduct [1.25]	Asthma [1.52]	Back Pain [0.72]	Skin Viral [1.59]
Delaware	Drugs [7.73]	Depression [1.92]	Headaches [1.04]	Dermatitis [1.19]	Neonatal [0.9]	Anxiety [1.04]	Conduct [1.2]	Asthma [1.25]	Back Pain [0.72]	Skin Viral [1.36]
DC	Dermatitis [1.85]	Neonatal [0.94]	Headaches [0.89]	Drugs [4.89]	Anxiety [0.89]	Depression [1.31]	Conduct [1.03]	Asthma [1.25]	Skin Viral [1.45]	Congenital [0.94]
Florida	Dermatitis [1.31]	Neonatal [1.01]	Headaches [1.03]	Depression [1.8]	Drugs [5.89]	Anxiety [1.04]	Conduct [1.2]	Asthma [1.21]	Back Pain [0.73]	Psoriasis [3.51]
Georgia	Dermatitis [1.43]	Headaches [1.04]	Depression [1.76]	Drugs [5.49]	Neonatal [0.84]	Anxiety [1.06]	Conduct [1.2]	Asthma [1.17]	Back Pain [0.82]	Acne [1.32]
Hawaii	Dermatitis [1.58]	Headaches [0.97]	Depression [1.71]	Neonatal [0.83]	Anxiety [0.99]	Conduct [1.16]	Asthma [1.26]	Drugs [2.76]	Skin Viral [1.5]	Back Pain [0.56]
Idaho	Depression [2.02]	Headaches [1.01]	Drugs [5.52]	Dermatitis [1.1]	Anxiety [1.06]	Conduct [1.19]	Neonatal [0.74]	Back Pain [0.85]	Skin Viral [1.4]	Oth MSK [6.95]
Illinois	Neonatal [1.06]	Headaches [1.03]	Depression [1.67]	Dermatitis [1.16]	Anxiety [1.03]	Drugs [4.88]	Conduct [1.21]	Back Pain [0.92]	Asthma [1.07]	Oth MSK [6.54]
Indiana	Drugs [6.73]	Depression [1.94]	Headaches [1.02]	Dermatitis [1.15]	Neonatal [0.86]	Anxiety [1.06]	Conduct [1.19]	Back Pain [0.97]	Asthma [1.1]	Congenital [0.96]
Iowa	Headaches [1.01]	Back Pain [1.44]	Depression [1.71]	Neonatal [0.87]	Anxiety [1.03]	Dermatitis [1.05]	Conduct [1.19]	Oth MSK [7.75]	Drugs [2.81]	Skin Viral [1.36]
Kansas	Depression [1.8]	Headaches [1.0]	Neonatal [0.93]	Dermatitis [1.11]	Anxiety [1.02]	Conduct [1.19]	Back Pain [1.11]	Drugs [3.49]	Asthma [1.11]	Oth MSK [6.32]
Kentucky	Drugs [10.24]	Depression [1.94]	Headaches [1.01]	Dermatitis [1.17]	Neonatal [0.88]	Anxiety [1.07]	Conduct [1.17]	Back Pain [1.1]	Asthma [1.13]	Oth MSK [7.22]
Louisiana	Drugs [7.39]	Headaches [0.99]	Dermatitis [1.26]	Depression [1.69]	Neonatal [0.82]	Anxiety [1.04]	Conduct [1.15]	Back Pain [0.85]	Skin Viral [1.66]	Asthma [0.9]
Maine	Drugs [7.65]	Depression [1.97]	Headaches [1.06]	Neonatal [0.91]	Anxiety [1.06]	Conduct [1.23]	Dermatitis [0.99]	Asthma [1.25]	Back Pain [0.92]	Oth MSK [8.65]
Maryland	Dermatitis [1.51]	Neonatal [1.06]	Headaches [1.01]	Depression [1.7]	Anxiety [1.0]	Drugs [4.49]	Conduct [1.21]	Asthma [1.29]	Back Pain [0.64]	Psoriasis [3.09]
Massachusetts	Drugs [7.16]	Dermatitis [1.35]	Headaches [1.06]	Neonatal [1.04]	Depression [1.79]	Anxiety [1.01]	Conduct [1.24]	Asthma [1.32]	Back Pain [0.69]	Skin Viral [1.51]
Michigan	Drugs [6.49]	Depression [1.92]	Dermatitis [1.19]	Neonatal [0.9]	Anxiety [1.05]	Headaches [0.85]	Conduct [1.21]	Asthma [1.23]	Back Pain [0.81]	Skin Viral [1.56]
Minnesota	Headaches [1.01]	Depression [1.74]	Neonatal [0.96]	Anxiety [1.0]	Dermatitis [1.05]	Conduct [1.21]	Back Pain [0.71]	Asthma [0.95]	Drugs [2.79]	Skin Viral [1.49]
Mississippi	Drugs [6.5]	Headaches [1.03]	Depression [1.77]	Neonatal [0.85]	Anxiety [1.1]	Dermatitis [1.06]	Conduct [1.18]	Back Pain [0.76]	Asthma [0.75]	Skin Viral [1.04]

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COLOR KEY:		[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Missouri	Depression [1.94]	Headaches [1.01]	Drugs [5.71]	Neonatal [0.92]	Anxiety [1.04]	Dermatitis [1.07]	Conduct [1.18]	Back Pain [0.9]	Asthma [1.07]	Oth MSK [6.64]
Montana	Depression [1.87]	Headaches [0.99]	Neonatal [0.89]	Drugs [5.19]	Anxiety [1.02]	Dermatitis [1.05]	Conduct [1.18]	Back Pain [0.92]	Oth MSK [7.24]	Asthma [0.83]
Nebraska	Headaches [0.99]	Depression [1.65]	Neonatal [0.88]	Dermatitis [1.06]	Anxiety [1.0]	Back Pain [1.19]	Conduct [1.18]	Drugs [2.9]	Asthma [0.75]	Congenital [0.91]
Nevada	Drugs [7.24]	Depression [1.88]	Dermatitis [1.3]	Headaches [1.0]	Neonatal [0.85]	Anxiety [1.04]	Conduct [1.17]	Asthma [1.0]	Back Pain [0.7]	Oth MSK [5.42]
New Hampshire	Drugs [8.33]	Depression [2.06]	Headaches [1.08]	Anxiety [1.04]	Neonatal [0.87]	Dermatitis [1.04]	Conduct [1.27]	Back Pain [0.87]	Asthma [1.16]	Oth MSK [6.8]
New Jersey	Dermatitis [1.62]	Headaches [1.03]	Neonatal [0.98]	Drugs [5.53]	Depression [1.53]	Anxiety [1.01]	Asthma [1.52]	Conduct [1.22]	Back Pain [0.78]	Congenital [1.07]
New Mexico	Depression [2.11]	Drugs [6.56]	Headaches [1.02]	Neonatal [0.95]	Dermatitis [1.17]	Anxiety [1.08]	Conduct [1.19]	Asthma [1.22]	Back Pain [0.98]	Oth MSK [6.71]
New York	Dermatitis [1.68]	Depression [1.84]	Neonatal [1.02]	Headaches [1.01]	Drugs [4.99]	Asthma [1.65]	Anxiety [0.99]	Conduct [1.19]	Back Pain [0.68]	Acne [1.45]
N Carolina	Headaches [1.03]	Depression [1.79]	Dermatitis [1.23]	Drugs [5.79]	Neonatal [0.91]	Anxiety [0.99]	Conduct [1.11]	Asthma [1.0]	Back Pain [0.73]	Skin Viral [1.25]
N Dakota	Neonatal [0.96]	Headaches [0.93]	Depression [1.49]	Dermatitis [1.04]	Anxiety [0.94]	Conduct [1.12]	Back Pain [0.93]	Oth MSK [8.67]	Congenital [1.17]	Asthma [0.95]
Ohio	Drugs [8.24]	Depression [1.86]	Headaches [1.03]	Dermatitis [1.26]	Neonatal [0.87]	Anxiety [1.05]	Conduct [1.19]	Asthma [1.15]	Back Pain [0.88]	Congenital [0.99]
Oklahoma	Drugs [7.74]	Depression [1.9]	Dermatitis [1.32]	Headaches [1.01]	Neonatal [0.82]	Anxiety [1.05]	Conduct [1.17]	Back Pain [0.98]	Asthma [1.19]	Oth MSK [7.14]
Oregon	Drugs [7.2]	Depression [1.99]	Dermatitis [1.39]	Headaches [1.02]	Neonatal [0.78]	Anxiety [0.95]	Conduct [1.08]	Back Pain [0.76]	Asthma [0.91]	Oth MSK [6.66]
Pennsylvania	Drugs [8.0]	Dermatitis [1.3]	Depression [1.8]	Headaches [0.94]	Neonatal [0.91]	Anxiety [1.03]	Conduct [1.21]	Back Pain [1.05]	Asthma [1.29]	Oth MSK [7.16]
Rhode Island	Drugs [9.2]	Depression [2.02]	Headaches [1.07]	Dermatitis [1.18]	Neonatal [0.88]	Anxiety [1.04]	Conduct [1.23]	Asthma [1.25]	Back Pain [0.7]	Skin Viral [1.47]
S Carolina	Drugs [7.01]	Dermatitis [1.42]	Depression [1.88]	Headaches [1.03]	Neonatal [0.85]	Anxiety [1.07]	Conduct [1.19]	Back Pain [0.88]	Asthma [1.03]	Skin Viral [1.28]
S Dakota	Headaches [0.96]	Depression [1.52]	Dermatitis [1.03]	Anxiety [1.0]	Back Pain [1.17]	Neonatal [0.78]	Conduct [1.16]	Oth MSK [7.81]	Drugs [2.67]	Skin Viral [1.45]
Tennessee	Drugs [8.26]	Depression [1.9]	Headaches [1.02]	Dermatitis [1.18]	Neonatal [0.85]	Anxiety [1.06]	Conduct [1.17]	Back Pain [0.85]	Asthma [0.88]	ASD [1.51]
Texas	Dermatitis [1.39]	Headaches [1.01]	Neonatal [0.97]	Depression [1.76]	Conduct [1.36]	Anxiety [1.06]	Asthma [1.18]	Drugs [3.63]	Back Pain [0.8]	ASD [1.63]
Utah	Depression [2.14]	Drugs [6.41]	Headaches [1.0]	Dermatitis [1.12]	Neonatal [0.83]	Anxiety [1.03]	Conduct [1.18]	Back Pain [0.81]	ASD [1.92]	Skin Viral [1.49]
Vermont	Drugs [6.23]	Headaches [1.08]	Depression [1.91]	Neonatal [0.97]	Anxiety [1.05]	Dermatitis [1.02]	Conduct [1.26]	Back Pain [0.8]	Asthma [1.04]	Oth MSK [6.17]
Virginia	Dermatitis [1.51]	Depression [1.9]	Headaches [1.02]	Neonatal [0.99]	Anxiety [1.01]	Drugs [4.65]	Conduct [1.2]	Asthma [1.16]	Back Pain [0.74]	Psoriasis [2.85]
Washington	Dermatitis [1.36]	Depression [1.92]	Headaches [1.0]	Drugs [5.49]	Neonatal [0.84]	Anxiety [1.0]	Conduct [1.19]	Back Pain [0.81]	Oth MSK [7.13]	Asthma [0.87]
W Virginia	Drugs [12.4]	Depression [1.97]	Headaches [1.02]	Dermatitis [1.19]	Neonatal [0.86]	Anxiety [1.08]	Conduct [1.17]	Asthma [1.15]	Back Pain [0.93]	Congenital [0.78]
Wisconsin	Depression [1.92]	Headaches [1.03]	Drugs [5.99]	Neonatal [0.96]	Anxiety [1.03]	Dermatitis [1.05]	Conduct [1.21]	Back Pain [0.95]	Asthma [0.89]	Congenital [0.95]
Wyoming	Depression [1.98]	Headaches [0.99]	Dermatitis [1.1]	Anxiety [1.01]	Back Pain [1.13]	Conduct [1.2]	Neonatal [0.74]	Drugs [3.42]	Asthma [0.88]	Oth MSK [6.74]
Southern Latin America	Neonatal [0.96]	Anxiety [1.34]	Back Pain [1.3]	Dermatitis [1.03]	Depression [1.33]	Headaches [0.64]	Diarrhea [2.29]	Conduct [0.91]	Asthma [0.94]	Congenital [0.75]
Argentina	Neonatal [0.94]	Anxiety [1.35]	Dermatitis [0.97]	Back Pain [1.17]	Depression [1.3]	Diarrhea [2.36]	Conduct [0.91]	Headaches [0.61]	Asthma [0.92]	Congenital [0.76]
Chile	Neonatal [1.01]	Back Pain [1.71]	Anxiety [1.3]	Dermatitis [1.21]	Depression [1.46]	Headaches [0.69]	Conduct [0.9]	Diarrhea [2.26]	Asthma [0.96]	Congenital [0.73]
Uruguay	Neonatal [1.0]	Anxiety [1.4]	Dermatitis [0.95]	Headaches [0.67]	Back Pain [1.07]	Conduct [0.93]	Asthma [1.06]	Depression [1.12]	Iron [0.92]	Diarrhea [1.17]
Western Europe	Anxiety [1.23]	Headaches [0.97]	Dermatitis [1.12]	Neonatal [0.83]	Back Pain [1.08]	Depression [1.08]	Conduct [0.91]	Asthma [0.96]	Congenital [1.04]	Acne [1.31]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Andorra	Dermatitis [1.4]	Headaches [1.07]	Anxiety [1.21]	Neonatal [0.86]	Back Pain [1.1]	Depression [1.11]	Conduct [0.98]	Asthma [1.12]	Congenital [1.06]	Acne [1.32]
Austria	Neonatal [1.37]	Headaches [1.02]	Anxiety [1.17]	Dermatitis [0.76]	Back Pain [0.85]	Conduct [0.89]	Congenital [1.06]	Asthma [0.85]	Depression [0.77]	Falls [0.93]
Belgium	Headaches [1.2]	Anxiety [1.1]	Dermatitis [0.96]	Back Pain [0.92]	Neonatal [0.58]	Conduct [0.89]	Depression [1.01]	Falls [1.0]	Congenital [1.02]	Asthma [0.77]
Cyprus	Neonatal [1.09]	Headaches [0.97]	Anxiety [1.15]	Back Pain [1.07]	Dermatitis [0.8]	Conduct [0.88]	Depression [0.98]	Asthma [0.87]	Congenital [1.0]	Falls [0.9]
Denmark	Dermatitis [1.32]	Anxiety [1.15]	Back Pain [1.37]	Headaches [0.85]	Neonatal [0.69]	Conduct [0.92]	Asthma [1.0]	Congenital [1.16]	Depression [0.81]	Acne [1.2]
Finland	Neonatal [1.72]	Dermatitis [1.39]	Headaches [0.98]	Depression [1.34]	Anxiety [0.83]	Conduct [0.89]	Asthma [1.0]	Congenital [1.07]	Falls [0.96]	Back Pain [0.62]
France	Anxiety [1.4]	Dermatitis [1.25]	Headaches [0.81]	Back Pain [1.06]	Neonatal [0.66]	Depression [1.12]	Conduct [0.9]	Asthma [0.95]	Congenital [1.03]	Acne [1.45]
Germany	Anxiety [1.41]	Neonatal [0.96]	Back Pain [1.41]	Headaches [0.88]	Dermatitis [0.92]	Depression [1.06]	Conduct [0.91]	Congenital [1.0]	Falls [0.92]	Epilepsy [2.0]
Greece	Headaches [1.18]	Anxiety [1.34]	Neonatal [0.85]	Depression [1.37]	Back Pain [0.95]	Conduct [0.88]	Dermatitis [0.66]	Asthma [0.81]	Congenital [0.99]	Acne [1.47]
Iceland	Dermatitis [1.45]	Headaches [0.97]	Anxiety [1.11]	Neonatal [0.89]	Asthma [1.5]	Back Pain [0.98]	Conduct [0.9]	Depression [0.85]	Congenital [0.99]	Acne [1.22]
Ireland	Anxiety [1.23]	Dermatitis [1.19]	Headaches [0.94]	Neonatal [0.74]	Asthma [1.29]	Depression [1.14]	Conduct [0.88]	Back Pain [0.76]	Congenital [1.14]	Falls [0.9]
Israel	Neonatal [0.95]	Headaches [0.88]	Dermatitis [1.06]	Back Pain [1.05]	Depression [1.04]	Blindness [2.78]	Anxiety [0.69]	Conduct [0.81]	Congenital [1.03]	Asthma [0.84]
Italy	Headaches [1.24]	Anxiety [1.28]	Dermatitis [0.94]	Back Pain [1.03]	Neonatal [0.65]	Depression [1.11]	Conduct [0.9]	Congenital [1.0]	Acne [1.39]	URI [1.2]
Luxembourg	Neonatal [1.15]	Headaches [1.13]	Dermatitis [1.41]	Anxiety [1.11]	Back Pain [0.96]	Asthma [1.19]	Conduct [0.91]	Depression [0.94]	Congenital [1.07]	Acne [1.22]
Malta	Headaches [0.97]	Anxiety [1.18]	Neonatal [0.72]	Back Pain [1.08]	Dermatitis [0.82]	Conduct [0.85]	Depression [1.0]	Congenital [1.21]	Asthma [0.95]	Falls [1.18]
Netherlands	Anxiety [1.41]	Headaches [1.08]	Dermatitis [1.22]	Neonatal [0.88]	Conduct [1.03]	Depression [1.11]	Back Pain [0.81]	Asthma [1.06]	Congenital [1.09]	Acne [1.28]
Norway	Anxiety [1.55]	Dermatitis [1.37]	Neonatal [1.05]	Headaches [1.03]	Asthma [1.41]	Back Pain [0.91]	Conduct [0.98]	Congenital [1.47]	Depression [0.98]	Falls [1.06]
Portugal	Headaches [1.07]	Anxiety [1.35]	Back Pain [1.19]	Depression [1.4]	Asthma [1.37]	Dermatitis [0.86]	Neonatal [0.59]	Conduct [0.91]	Acne [1.6]	Congenital [0.82]
Spain	Headaches [1.15]	Anxiety [1.15]	Back Pain [1.15]	Neonatal [0.7]	Conduct [0.88]	Depression [1.02]	Dermatitis [0.71]	Asthma [0.78]	Congenital [0.95]	Falls [0.95]
Sweden	Dermatitis [1.76]	Headaches [0.99]	Anxiety [1.09]	Neonatal [0.78]	Asthma [1.42]	Depression [1.13]	Conduct [0.95]	Back Pain [0.85]	Congenital [1.23]	Falls [1.09]
Stockholm	Dermatitis [1.42]	Headaches [0.95]	Anxiety [1.04]	Neonatal [0.76]	Asthma [1.25]	Conduct [0.95]	Congenital [1.29]	Depression [0.88]	Falls [0.99]	Acne [1.27]
Sweden w/o Stockholm	Dermatitis [1.86]	Headaches [1.0]	Anxiety [1.11]	Neonatal [0.78]	Asthma [1.46]	Depression [1.2]	Back Pain [0.95]	Conduct [0.95]	Congenital [1.22]	Falls [1.12]
Switzerland	Back Pain [1.96]	Dermatitis [1.41]	Anxiety [1.12]	Neonatal [0.85]	Headaches [0.81]	Conduct [0.89]	Depression [0.92]	Asthma [0.99]	Congenital [1.04]	Acne [1.21]
UK	Dermatitis [1.5]	Neonatal [0.99]	Headaches [0.88]	Anxiety [1.0]	Asthma [1.51]	Conduct [0.94]	Depression [1.05]	Back Pain [0.86]	Congenital [1.16]	Falls [0.98]
England	Dermatitis [1.53]	Neonatal [1.02]	Headaches [0.86]	Asthma [1.53]	Anxiety [0.97]	Conduct [0.95]	Back Pain [0.86]	Depression [1.03]	Congenital [1.16]	Falls [0.96]
E Midlands	Dermatitis [1.5]	Neonatal [0.95]	Headaches [0.88]	Anxiety [1.0]	Asthma [1.45]	Conduct [0.96]	Back Pain [0.88]	Depression [1.06]	Congenital [1.19]	Falls [1.03]
Derby	Dermatitis [1.51]	Neonatal [0.97]	Headaches [0.84]	Asthma [1.46]	Anxiety [0.96]	Conduct [0.94]	Back Pain [0.85]	Depression [1.0]	Congenital [1.2]	Falls [0.97]
Derbyshire	Dermatitis [1.49]	Neonatal [0.88]	Headaches [0.9]	Anxiety [1.04]	Asthma [1.44]	Conduct [0.97]	Depression [1.09]	Back Pain [0.8]	Congenital [1.17]	Iron [2.39]
Leicester	Dermatitis [1.5]	Headaches [0.86]	Neonatal [0.83]	Asthma [1.45]	Anxiety [0.97]	Conduct [0.94]	Back Pain [0.88]	Depression [1.03]	Congenital [1.21]	Falls [0.99]
Leicestershire	Dermatitis [1.48]	Headaches [0.92]	Neonatal [0.8]	Anxiety [1.01]	Asthma [1.46]	Conduct [0.99]	Back Pain [0.94]	Depression [1.1]	Congenital [1.21]	Falls [1.01]
Lincolnshire	Dermatitis [1.5]	Neonatal [0.94]	Headaches [0.89]	Anxiety [1.03]	Asthma [1.43]	Conduct [0.95]	Back Pain [0.92]	Depression [1.07]	Congenital [1.17]	Falls [1.08]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Northamptonshire	Dermatitis [1.51]	Neonatal [1.05]	Headaches [0.85]	Anxiety [0.98]	Asthma [1.44]	Conduct [0.94]	Back Pain [0.87]	Depression [1.01]	Congenital [1.19]	Falls [1.01]
Nottingham	Neonatal [1.17]	Dermatitis [1.49]	Headaches [0.9]	Asthma [1.51]	Anxiety [0.96]	Back Pain [0.91]	Conduct [0.96]	Depression [1.07]	Congenital [1.22]	Falls [0.93]
Nottinghamshire	Dermatitis [1.5]	Neonatal [1.05]	Headaches [0.87]	Anxiety [1.01]	Asthma [1.43]	Conduct [0.95]	Back Pain [0.9]	Depression [1.05]	Congenital [1.18]	Falls [1.08]
Rutland	Dermatitis [1.45]	Headaches [0.99]	Anxiety [1.08]	Asthma [1.47]	Neonatal [0.67]	Back Pain [1.02]	Conduct [1.04]	Depression [1.2]	Congenital [1.18]	Acne [1.53]
E England	Dermatitis [1.5]	Neonatal [0.92]	Headaches [0.87]	Anxiety [0.98]	Asthma [1.46]	Conduct [0.96]	Back Pain [0.87]	Depression [1.03]	Congenital [1.09]	Falls [1.0]
Bedford	Dermatitis [1.5]	Neonatal [1.12]	Headaches [0.88]	Anxiety [0.99]	Asthma [1.45]	Conduct [0.96]	Back Pain [0.9]	Depression [1.05]	Congenital [1.09]	Falls [0.99]
Cambridgeshire	Dermatitis [1.5]	Neonatal [0.94]	Headaches [0.88]	Anxiety [0.96]	Asthma [1.5]	Conduct [0.98]	Depression [1.05]	Back Pain [0.82]	Congenital [1.13]	Falls [0.92]
Cen Bedfordshire	Dermatitis [1.51]	Neonatal [1.0]	Headaches [0.85]	Anxiety [0.98]	Asthma [1.44]	Conduct [0.95]	Back Pain [0.86]	Depression [1.02]	Congenital [1.06]	Falls [1.01]
Essex	Dermatitis [1.5]	Neonatal [0.9]	Headaches [0.88]	Anxiety [1.01]	Asthma [1.44]	Conduct [0.97]	Back Pain [0.89]	Depression [1.06]	Congenital [1.08]	Falls [1.03]
Hertfordshire	Dermatitis [1.51]	Neonatal [0.91]	Headaches [0.86]	Asthma [1.49]	Anxiety [0.95]	Conduct [0.97]	Back Pain [0.85]	Depression [1.01]	Congenital [1.1]	Falls [0.91]
Luton	Dermatitis [1.52]	Neonatal [1.04]	Headaches [0.82]	Asthma [1.45]	Anxiety [0.95]	Conduct [0.93]	Back Pain [0.83]	Depression [0.97]	Congenital [1.1]	Falls [0.99]
Norfolk	Dermatitis [1.5]	Headaches [0.88]	Neonatal [0.78]	Anxiety [1.01]	Asthma [1.44]	Conduct [0.96]	Back Pain [0.9]	Depression [1.06]	Congenital [1.08]	Falls [1.05]
Peterborough	Dermatitis [1.53]	Headaches [0.8]	Asthma [1.45]	Neonatal [0.74]	Anxiety [0.95]	Conduct [0.91]	Back Pain [0.82]	Depression [0.95]	Congenital [1.07]	Iron [2.33]
Southend-on-Sea	Dermatitis [1.52]	Neonatal [1.09]	Headaches [0.84]	Asthma [1.42]	Anxiety [0.99]	Conduct [0.93]	Back Pain [0.85]	Depression [1.01]	Congenital [1.07]	Iron [2.4]
Suffolk	Dermatitis [1.5]	Neonatal [0.95]	Headaches [0.88]	Anxiety [1.01]	Asthma [1.44]	Conduct [0.96]	Back Pain [0.89]	Depression [1.06]	Congenital [1.07]	Iron [2.57]
Thurrock	Dermatitis [1.53]	Neonatal [1.02]	Headaches [0.82]	Asthma [1.43]	Anxiety [0.99]	Conduct [0.92]	Back Pain [0.83]	Depression [0.99]	Congenital [1.06]	Falls [1.08]
Greater London	Dermatitis [1.54]	Neonatal [1.07]	Asthma [1.76]	Headaches [0.81]	Anxiety [0.88]	Conduct [0.93]	Back Pain [0.79]	Depression [0.94]	Congenital [1.17]	URI [1.26]
Barking & Dagenham	Dermatitis [2.0]	Neonatal [1.01]	Asthma [1.62]	Headaches [0.75]	Anxiety [0.93]	Iron [2.93]	Conduct [0.87]	Back Pain [0.78]	Depression [0.89]	Congenital [1.07]
Barnet	Dermatitis [1.52]	Neonatal [1.0]	Asthma [1.72]	Headaches [0.8]	Anxiety [0.91]	Conduct [0.93]	Back Pain [0.8]	Depression [0.95]	Congenital [1.1]	Falls [0.89]
Bexley	Dermatitis [1.5]	Neonatal [0.94]	Asthma [1.69]	Headaches [0.86]	Anxiety [0.99]	Conduct [0.94]	Back Pain [0.89]	Depression [1.04]	Congenital [1.07]	Falls [1.03]
Brent	Dermatitis [1.5]	Neonatal [1.06]	Asthma [1.7]	Headaches [0.81]	Anxiety [0.93]	Conduct [0.94]	Back Pain [0.83]	Depression [0.97]	Congenital [1.09]	Falls [0.92]
Bromley	Dermatitis [1.51]	Neonatal [1.12]	Asthma [1.7]	Headaches [0.84]	Anxiety [0.95]	Conduct [0.94]	Back Pain [0.85]	Depression [1.0]	Congenital [1.11]	Falls [0.95]
Camden	Dermatitis [1.52]	Asthma [1.84]	Neonatal [0.94]	Headaches [0.88]	Anxiety [0.89]	Conduct [0.96]	Back Pain [0.84]	Depression [1.02]	Congenital [1.2]	Acne [1.11]
Croydon	Dermatitis [1.53]	Neonatal [1.01]	Asthma [1.67]	Headaches [0.8]	Anxiety [0.93]	Conduct [0.89]	Back Pain [0.81]	Depression [0.94]	Congenital [1.1]	Iron [2.79]
Ealing	Dermatitis [1.53]	Neonatal [1.14]	Asthma [1.71]	Headaches [0.78]	Anxiety [0.89]	Conduct [0.91]	Back Pain [0.78]	Depression [0.92]	Congenital [1.1]	Iron [3.13]
Enfield	Dermatitis [1.52]	Neonatal [1.05]	Asthma [1.69]	Headaches [0.82]	Anxiety [0.95]	Conduct [0.93]	Back Pain [0.83]	Depression [0.97]	Congenital [1.09]	Falls [0.97]
Greenwich	Dermatitis [1.53]	Neonatal [0.99]	Asthma [1.66]	Headaches [0.79]	Anxiety [0.92]	Conduct [0.88]	Back Pain [0.81]	Depression [0.94]	Congenital [1.11]	URI [1.28]
Hackney	Dermatitis [1.52]	Neonatal [1.06]	Asthma [1.8]	Headaches [0.79]	Anxiety [0.87]	Conduct [0.9]	Back Pain [0.78]	Depression [0.92]	Congenital [1.16]	URI [1.26]
Hammersmith & Fulham	Dermatitis [1.55]	Neonatal [1.06]	Asthma [1.79]	Headaches [0.78]	Anxiety [0.83]	Conduct [0.9]	Back Pain [0.74]	Depression [0.9]	Congenital [1.2]	URI [1.27]
Haringey	Dermatitis [1.5]	Neonatal [1.1]	Asthma [1.7]	Headaches [0.84]	Anxiety [0.95]	Conduct [0.95]	Back Pain [0.85]	Depression [0.99]	Congenital [1.13]	Falls [0.92]
Harrow	Dermatitis [1.51]	Neonatal [1.15]	Asthma [1.7]	Headaches [0.83]	Anxiety [0.95]	Conduct [0.94]	Back Pain [0.84]	Depression [0.99]	Congenital [1.11]	Falls [0.94]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Havering	Dermatitis [1.5]	Neonatal [0.99]	Asthma [1.68]	Headaches [0.85]	Anxiety [0.98]	Conduct [0.93]	Back Pain [0.88]	Depression [1.03]	Congenital [1.08]	Falls [1.03]
Hillingdon	Dermatitis [1.51]	Neonatal [1.18]	Asthma [1.77]	Headaches [0.83]	Anxiety [0.91]	Conduct [0.94]	Back Pain [0.83]	Depression [0.98]	Congenital [1.13]	Falls [0.86]
Hounslow	Dermatitis [1.54]	Neonatal [1.12]	Asthma [1.73]	Headaches [0.77]	Anxiety [0.86]	Conduct [0.89]	Back Pain [0.75]	Depression [0.9]	Congenital [1.13]	URI [1.27]
Islington	Dermatitis [1.53]	Asthma [1.8]	Neonatal [0.92]	Headaches [0.82]	Anxiety [0.85]	Conduct [0.91]	Back Pain [0.79]	Depression [0.95]	Congenital [1.21]	URI [1.25]
Kensington & Chelsea	Dermatitis [1.53]	Asthma [1.81]	Neonatal [0.91]	Headaches [0.83]	Anxiety [0.85]	Conduct [0.94]	Back Pain [0.79]	Depression [0.96]	Congenital [1.2]	Falls [0.74]
Kingston upon Thames	Dermatitis [1.53]	Neonatal [1.12]	Asthma [1.76]	Headaches [0.84]	Anxiety [0.9]	Conduct [0.92]	Back Pain [0.82]	Depression [0.98]	Congenital [1.17]	URI [1.27]
Lambeth	Dermatitis [1.53]	Asthma [1.74]	Headaches [0.8]	Neonatal [0.78]	Anxiety [0.86]	Conduct [0.91]	Back Pain [0.77]	Depression [0.92]	Congenital [1.19]	URI [1.26]
Lewisham	Neonatal [1.22]	Dermatitis [1.53]	Asthma [1.66]	Headaches [0.76]	Anxiety [0.89]	Conduct [0.87]	Back Pain [0.77]	Depression [0.9]	Congenital [1.12]	URI [1.28]
Merton	Dermatitis [1.54]	Neonatal [1.07]	Asthma [1.7]	Headaches [0.75]	Anxiety [0.85]	Conduct [0.88]	Back Pain [0.74]	Congenital [1.15]	Depression [0.88]	Iron [3.27]
Newham	Dermatitis [1.51]	Neonatal [1.09]	Asthma [1.66]	Headaches [0.8]	Anxiety [0.92]	Conduct [0.89]	Back Pain [0.82]	Depression [0.95]	Congenital [1.11]	URI [1.28]
Redbridge	Dermatitis [1.52]	Neonatal [1.01]	Asthma [1.67]	Headaches [0.8]	Anxiety [0.94]	Conduct [0.91]	Back Pain [0.82]	Depression [0.95]	Congenital [1.16]	Iron [2.57]
Richmond upon Thames	Dermatitis [1.54]	Neonatal [1.18]	Asthma [1.76]	Headaches [0.79]	Anxiety [0.87]	Conduct [0.92]	Back Pain [0.76]	Depression [0.91]	Congenital [1.18]	URI [1.28]
Southwark	Dermatitis [1.54]	Asthma [1.77]	Neonatal [0.8]	Headaches [0.78]	Anxiety [0.84]	Conduct [0.9]	Back Pain [0.75]	Depression [0.9]	Congenital [1.21]	URI [1.27]
Sutton	Neonatal [1.28]	Dermatitis [1.52]	Asthma [1.69]	Headaches [0.82]	Anxiety [0.94]	Conduct [0.92]	Back Pain [0.83]	Depression [0.98]	Congenital [1.11]	Falls [0.95]
Tower Hamlets	Dermatitis [1.52]	Neonatal [1.16]	Asthma [1.79]	Headaches [0.79]	Anxiety [0.85]	Conduct [0.91]	Back Pain [0.77]	Depression [0.92]	Congenital [1.19]	URI [1.26]
Waltham Forest	Dermatitis [1.53]	Neonatal [1.02]	Asthma [1.63]	Headaches [0.77]	Anxiety [0.92]	Conduct [0.87]	Back Pain [0.79]	Depression [0.92]	Congenital [1.11]	URI [1.29]
Wandsworth	Dermatitis [1.55]	Neonatal [0.95]	Asthma [1.72]	Headaches [0.74]	Anxiety [0.8]	Conduct [0.86]	Congenital [1.22]	Back Pain [0.7]	Depression [0.85]	URI [1.28]
Westminster	Dermatitis [1.52]	Asthma [1.86]	Headaches [0.85]	Neonatal [0.85]	Anxiety [0.88]	Conduct [0.96]	Back Pain [0.82]	Depression [0.99]	Congenital [1.19]	Falls [0.77]
NE England	Dermatitis [1.61]	Neonatal [0.9]	Headaches [0.88]	Anxiety [1.01]	Asthma [1.45]	Conduct [0.95]	Congenital [1.35]	Back Pain [0.89]	Depression [1.05]	Iron [2.8]
County Durham	Dermatitis [1.78]	Neonatal [0.97]	Headaches [0.88]	Asthma [1.46]	Anxiety [1.02]	Conduct [0.94]	Congenital [1.33]	Depression [1.06]	Iron [3.0]	Back Pain [0.84]
Darlington	Dermatitis [1.5]	Neonatal [0.88]	Headaches [0.87]	Asthma [1.48]	Anxiety [1.0]	Conduct [0.96]	Congenital [1.35]	Back Pain [0.9]	Depression [1.04]	Iron [2.94]
Gateshead	Dermatitis [1.77]	Neonatal [1.01]	Headaches [0.85]	Asthma [1.46]	Anxiety [0.98]	Conduct [0.93]	Congenital [1.35]	Back Pain [0.88]	Depression [1.02]	Iron [3.11]
Hartlepool	Dermatitis [1.5]	Neonatal [1.02]	Headaches [0.88]	Asthma [1.46]	Anxiety [1.04]	Conduct [0.94]	Congenital [1.32]	Back Pain [0.91]	Depression [1.07]	Iron [2.04]
Middlesbrough	Dermatitis [1.51]	Headaches [0.85]	Neonatal [0.79]	Asthma [1.46]	Anxiety [0.99]	Conduct [0.92]	Congenital [1.34]	Back Pain [0.87]	Depression [1.02]	Iron [2.35]
Newcastle upon Tyne	Dermatitis [1.48]	Headaches [0.91]	Neonatal [0.86]	Asthma [1.53]	Anxiety [0.96]	Back Pain [0.92]	Conduct [0.96]	Depression [1.09]	Congenital [1.41]	Drugs [2.36]
N Tyneside	Dermatitis [1.5]	Neonatal [0.84]	Headaches [0.85]	Asthma [1.46]	Anxiety [0.98]	Conduct [0.94]	Congenital [1.36]	Back Pain [0.86]	Depression [1.01]	Iron [2.77]
Northumberland	Dermatitis [1.48]	Headaches [0.91]	Neonatal [0.86]	Anxiety [1.05]	Asthma [1.47]	Conduct [0.99]	Back Pain [0.94]	Congenital [1.34]	Depression [1.1]	Iron [2.58]
Redcar & Cleveland	Dermatitis [1.5]	Headaches [0.87]	Neonatal [0.81]	Asthma [1.44]	Anxiety [1.04]	Conduct [0.95]	Congenital [1.32]	Back Pain [0.91]	Depression [1.06]	Iron [2.23]
S Tyneside	Dermatitis [1.79]	Neonatal [0.86]	Headaches [0.87]	Asthma [1.43]	Anxiety [1.02]	Conduct [0.92]	Congenital [1.32]	Back Pain [0.9]	Depression [1.05]	Iron [2.57]
Stockton-on-Tees	Dermatitis [1.51]	Neonatal [1.1]	Headaches [0.85]	Asthma [1.47]	Anxiety [0.98]	Conduct [0.94]	Congenital [1.35]	Back Pain [0.87]	Depression [1.02]	Iron [2.8]
Sunderland	Dermatitis [1.77]	Headaches [0.89]	Neonatal [0.77]	Anxiety [1.02]	Asthma [1.3]	Conduct [0.96]	Back Pain [0.91]	Congenital [1.34]	Depression [1.07]	Iron [2.71]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
NW England	Dermatitis [1.5]	Neonatal [1.11]	Headaches [0.87]	Asthma [1.48]	Anxiety [0.98]	Conduct [0.95]	Back Pain [0.87]	Depression [1.05]	Congenital [1.28]	Falls [1.01]
Blackburn with Darwen	Dermatitis [1.51]	Neonatal [1.09]	Headaches [0.85]	Asthma [1.45]	Anxiety [1.01]	Conduct [0.94]	Back Pain [0.89]	Depression [1.02]	Congenital [1.21]	Iron [2.44]
Blackpool	Dermatitis [1.52]	Neonatal [1.05]	Headaches [0.87]	Asthma [1.46]	Anxiety [1.05]	Conduct [0.93]	Back Pain [0.91]	Depression [1.06]	Congenital [1.21]	Iron [1.78]
Bolton	Dermatitis [1.5]	Neonatal [1.04]	Headaches [0.85]	Asthma [1.44]	Anxiety [1.0]	Conduct [0.94]	Back Pain [0.9]	Depression [1.03]	Congenital [1.22]	Iron [2.34]
Bury	Dermatitis [1.51]	Neonatal [1.0]	Headaches [0.84]	Asthma [1.43]	Anxiety [0.99]	Conduct [0.94]	Back Pain [0.88]	Congenital [1.24]	Depression [1.0]	Iron [2.59]
Cheshire E	Neonatal [1.37]	Dermatitis [1.49]	Headaches [0.9]	Anxiety [0.99]	Asthma [1.52]	Conduct [1.0]	Back Pain [0.91]	Congenital [1.39]	Depression [1.07]	Falls [0.94]
Cheshire W & Chester	Dermatitis [1.49]	Neonatal [1.12]	Headaches [0.9]	Anxiety [0.99]	Asthma [1.49]	Conduct [0.98]	Back Pain [0.9]	Congenital [1.39]	Depression [1.07]	Falls [0.96]
Cumbria	Dermatitis [1.49]	Neonatal [1.09]	Headaches [0.9]	Anxiety [1.02]	Asthma [1.48]	Conduct [0.98]	Back Pain [0.92]	Depression [1.08]	Congenital [1.23]	Falls [1.04]
Halton	Dermatitis [1.51]	Neonatal [1.13]	Headaches [0.87]	Asthma [1.48]	Anxiety [1.01]	Conduct [0.96]	Back Pain [0.88]	Depression [1.04]	Congenital [1.23]	Iron [2.63]
Knowsley	Dermatitis [1.5]	Neonatal [1.08]	Headaches [0.87]	Asthma [1.48]	Anxiety [1.0]	Conduct [0.94]	Congenital [1.34]	Back Pain [0.89]	Depression [1.04]	Iron [2.29]
Lancashire	Dermatitis [1.49]	Neonatal [1.07]	Headaches [0.89]	Anxiety [1.0]	Asthma [1.47]	Conduct [0.96]	Depression [1.06]	Back Pain [0.84]	Congenital [1.24]	Falls [1.04]
Liverpool	Neonatal [1.22]	Dermatitis [1.49]	Headaches [0.9]	Asthma [1.48]	Anxiety [0.9]	Depression [1.24]	Congenital [1.41]	Conduct [0.94]	Back Pain [0.9]	Falls [0.97]
Manchester	Neonatal [1.23]	Dermatitis [1.51]	Headaches [0.84]	Asthma [1.54]	Anxiety [0.91]	Back Pain [0.87]	Conduct [0.93]	Congenital [1.32]	Depression [0.99]	Falls [0.85]
Oldham	Dermatitis [1.51]	Neonatal [0.82]	Headaches [0.86]	Asthma [1.47]	Anxiety [1.03]	Conduct [0.94]	Back Pain [0.91]	Depression [1.04]	Congenital [1.22]	Iron [1.95]
Rochdale	Dermatitis [1.51]	Neonatal [0.84]	Headaches [0.85]	Asthma [1.45]	Anxiety [1.02]	Conduct [0.93]	Back Pain [0.9]	Depression [1.03]	Congenital [1.21]	Iron [2.35]
Salford	Neonatal [1.25]	Dermatitis [1.53]	Headaches [0.8]	Asthma [1.47]	Anxiety [0.93]	Conduct [0.9]	Congenital [1.26]	Back Pain [0.82]	Depression [0.95]	Falls [0.96]
Sefton	Dermatitis [1.5]	Neonatal [1.1]	Headaches [0.87]	Asthma [1.45]	Anxiety [1.01]	Conduct [0.95]	Congenital [1.34]	Back Pain [0.89]	Depression [1.05]	Iron [2.41]
St Helens	Dermatitis [1.51]	Neonatal [1.11]	Headaches [0.86]	Asthma [1.44]	Anxiety [1.01]	Conduct [0.94]	Congenital [1.33]	Back Pain [0.89]	Depression [1.03]	Iron [2.15]
Stockport	Dermatitis [1.51]	Neonatal [0.94]	Headaches [0.85]	Asthma [1.47]	Anxiety [0.97]	Conduct [0.95]	Back Pain [0.87]	Depression [1.01]	Congenital [1.27]	Falls [0.98]
Tameside	Dermatitis [1.52]	Neonatal [0.91]	Headaches [0.83]	Asthma [1.44]	Anxiety [1.0]	Conduct [0.91]	Congenital [1.21]	Depression [1.0]	Back Pain [0.7]	Iron [1.98]
Trafford	Neonatal [1.23]	Dermatitis [1.51]	Headaches [0.87]	Asthma [1.53]	Anxiety [0.96]	Conduct [1.0]	Back Pain [0.87]	Depression [1.02]	Congenital [1.28]	Falls [0.9]
Warrington	Neonatal [1.3]	Dermatitis [1.5]	Headaches [0.87]	Asthma [1.52]	Anxiety [0.97]	Conduct [0.98]	Back Pain [0.88]	Depression [1.04]	Congenital [1.28]	Iron [3.16]
Wigan	Dermatitis [1.51]	Neonatal [1.1]	Headaches [0.86]	Asthma [1.44]	Anxiety [1.02]	Conduct [0.95]	Back Pain [0.9]	Depression [1.03]	Congenital [1.21]	Iron [2.18]
Wirral	Neonatal [1.23]	Dermatitis [1.5]	Headaches [0.88]	Anxiety [1.03]	Asthma [1.44]	Conduct [0.96]	Congenital [1.34]	Back Pain [0.9]	Depression [1.06]	Falls [1.1]
SE England	Dermatitis [1.64]	Neonatal [1.03]	Headaches [0.88]	Asthma [1.6]	Anxiety [0.98]	Conduct [0.97]	Back Pain [0.86]	Depression [1.04]	Congenital [1.16]	Falls [0.96]
Bracknell Forest	Dermatitis [1.52]	Headaches [0.84]	Neonatal [0.82]	Asthma [1.47]	Anxiety [0.93]	Conduct [0.95]	Back Pain [0.83]	Depression [0.99]	Congenital [1.17]	Falls [0.9]
Brighton & Hove	Dermatitis [1.74]	Neonatal [1.13]	Headaches [0.95]	Anxiety [0.98]	Asthma [1.5]	Conduct [1.01]	Back Pain [0.92]	Depression [1.12]	Congenital [1.21]	Acne [1.31]
Buckinghamshire	Neonatal [1.18]	Dermatitis [1.5]	Headaches [0.89]	Anxiety [0.98]	Asthma [1.46]	Conduct [0.99]	Back Pain [0.88]	Depression [1.06]	Congenital [1.17]	Falls [0.94]
E Sussex	Dermatitis [1.73]	Neonatal [1.08]	Headaches [0.91]	Anxiety [1.04]	Asthma [1.37]	Conduct [0.98]	Back Pain [0.93]	Depression [1.1]	Congenital [1.12]	Falls [1.09]
Hampshire	Asthma [2.23]	Dermatitis [1.49]	Neonatal [1.01]	Headaches [0.89]	Anxiety [0.99]	Conduct [0.98]	Back Pain [0.88]	Depression [1.05]	Congenital [1.15]	Falls [0.98]
Isle of Wight	Asthma [2.19]	Dermatitis [1.44]	Neonatal [0.93]	Headaches [0.93]	Anxiety [1.05]	Conduct [0.99]	Back Pain [0.95]	Depression [1.13]	Congenital [1.1]	Falls [1.1]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Kent	Dermatitis [1.73]	Neonatal [0.99]	Headaches [0.89]	Anxiety [1.01]	Asthma [1.41]	Conduct [0.97]	Back Pain [0.9]	Depression [1.07]	Congenital [1.13]	Falls [1.03]
Medway	Dermatitis [1.5]	Neonatal [1.05]	Headaches [0.87]	Anxiety [1.01]	Asthma [1.4]	Conduct [0.94]	Back Pain [0.88]	Depression [1.05]	Congenital [1.11]	Falls [1.09]
Milton Keynes	Dermatitis [1.54]	Neonatal [0.9]	Headaches [0.8]	Asthma [1.47]	Anxiety [0.92]	Conduct [0.93]	Back Pain [0.79]	Depression [0.94]	Congenital [1.16]	Falls [0.92]
Oxfordshire	Dermatitis [1.93]	Neonatal [0.95]	Headaches [0.89]	Anxiety [0.96]	Asthma [1.49]	Conduct [0.98]	Back Pain [0.87]	Depression [1.05]	Congenital [1.18]	Falls [0.89]
Portsmouth	Dermatitis [1.5]	Neonatal [0.99]	Headaches [0.87]	Anxiety [0.96]	Asthma [1.45]	Conduct [0.95]	Back Pain [0.86]	Depression [1.04]	Congenital [1.14]	Falls [0.93]
Reading	Dermatitis [1.99]	Neonatal [1.25]	Headaches [0.78]	Asthma [1.5]	Anxiety [0.86]	Conduct [0.9]	Back Pain [0.76]	Congenital [1.22]	Depression [0.91]	URI [1.27]
Slough	Dermatitis [1.54]	Neonatal [1.09]	Asthma [1.5]	Headaches [0.77]	Anxiety [0.9]	Conduct [0.92]	Back Pain [0.76]	Congenital [1.16]	Depression [0.9]	URI [1.27]
Southampton	Dermatitis [1.5]	Neonatal [0.99]	Headaches [0.85]	Asthma [1.44]	Anxiety [0.93]	Conduct [0.92]	Back Pain [0.84]	Depression [1.01]	Congenital [1.16]	Falls [0.92]
Surrey	Dermatitis [1.74]	Neonatal [1.13]	Headaches [0.88]	Anxiety [0.95]	Asthma [1.49]	Conduct [0.99]	Depression [1.03]	Back Pain [0.79]	Congenital [1.19]	Falls [0.88]
West Berkshire	Dermatitis [1.5]	Neonatal [0.94]	Headaches [0.89]	Anxiety [0.98]	Asthma [1.5]	Conduct [1.0]	Back Pain [0.88]	Depression [1.06]	Congenital [1.17]	Falls [0.93]
W Sussex	Dermatitis [1.55]	Neonatal [1.04]	Asthma [1.66]	Headaches [0.86]	Anxiety [0.97]	Conduct [0.97]	Back Pain [0.86]	Depression [1.03]	Congenital [1.15]	Falls [0.98]
Windsor & Maidenhead	Dermatitis [1.5]	Neonatal [0.99]	Headaches [0.89]	Anxiety [0.96]	Asthma [1.52]	Conduct [1.02]	Back Pain [0.87]	Depression [1.04]	Congenital [1.2]	Falls [0.87]
Wokingham	Dermatitis [1.51]	Neonatal [1.01]	Headaches [0.88]	Anxiety [0.96]	Asthma [1.5]	Conduct [1.01]	Back Pain [0.86]	Depression [1.03]	Congenital [1.2]	Falls [0.89]
SW England	Dermatitis [1.49]	Neonatal [1.07]	Headaches [0.89]	Anxiety [1.0]	Asthma [1.44]	Conduct [0.97]	Back Pain [0.89]	Depression [1.06]	Congenital [1.04]	Iron [2.87]
Bath & NE Somerset	Neonatal [1.43]	Dermatitis [1.46]	Headaches [0.96]	Anxiety [1.01]	Asthma [1.5]	Back Pain [0.96]	Conduct [1.01]	Depression [1.15]	Congenital [1.07]	Acne [1.42]
Bournemouth	Dermatitis [1.51]	Neonatal [1.07]	Headaches [0.83]	Asthma [1.43]	Anxiety [0.92]	Conduct [0.9]	Back Pain [0.82]	Depression [0.99]	Iron [3.7]	Congenital [1.07]
Bristol	Neonatal [1.25]	Dermatitis [1.52]	Headaches [0.83]	Asthma [1.49]	Anxiety [0.9]	Conduct [0.92]	Back Pain [0.81]	Depression [0.98]	Congenital [1.1]	URI [1.27]
Cornwall	Dermatitis [1.49]	Neonatal [1.05]	Headaches [0.9]	Anxiety [1.03]	Asthma [1.41]	Conduct [0.96]	Depression [1.09]	Iron [3.3]	Back Pain [0.86]	Congenital [1.03]
Devon	Dermatitis [1.48]	Neonatal [0.96]	Headaches [0.91]	Anxiety [1.02]	Asthma [1.43]	Conduct [0.99]	Back Pain [0.92]	Depression [1.1]	Congenital [1.04]	Falls [1.04]
Dorset	Dermatitis [1.47]	Neonatal [1.03]	Headaches [0.93]	Anxiety [1.06]	Asthma [1.45]	Conduct [1.01]	Back Pain [0.95]	Depression [1.12]	Congenital [1.02]	Iron [2.59]
Gloucestershire	Dermatitis [1.49]	Neonatal [0.99]	Headaches [0.9]	Anxiety [0.99]	Asthma [1.45]	Conduct [0.97]	Back Pain [0.9]	Depression [1.07]	Congenital [1.05]	Falls [0.97]
N Somerset	Neonatal [1.15]	Dermatitis [1.5]	Headaches [0.87]	Anxiety [1.0]	Asthma [1.43]	Conduct [0.96]	Back Pain [0.87]	Depression [1.05]	Congenital [1.04]	Iron [2.75]
Plymouth	Dermatitis [1.5]	Neonatal [1.06]	Headaches [0.87]	Anxiety [0.98]	Asthma [1.41]	Conduct [0.94]	Back Pain [0.87]	Depression [1.04]	Congenital [1.04]	Falls [1.0]
Poole	Dermatitis [1.5]	Neonatal [1.05]	Headaches [0.87]	Anxiety [0.99]	Asthma [1.44]	Conduct [0.96]	Back Pain [0.86]	Depression [1.03]	Congenital [1.04]	Falls [0.99]
Somerset	Dermatitis [1.49]	Neonatal [1.11]	Headaches [0.91]	Anxiety [1.04]	Asthma [1.42]	Conduct [0.97]	Back Pain [0.93]	Depression [1.1]	Congenital [1.02]	Falls [1.1]
S Gloucestershire	Dermatitis [1.5]	Neonatal [1.13]	Headaches [0.88]	Anxiety [0.97]	Asthma [1.48]	Conduct [0.97]	Back Pain [0.87]	Depression [1.04]	Congenital [1.06]	Falls [0.92]
Swindon	Dermatitis [1.51]	Headaches [0.83]	Neonatal [0.78]	Asthma [1.45]	Anxiety [0.95]	Conduct [0.94]	Back Pain [0.84]	Depression [0.99]	Iron [3.46]	Congenital [1.04]
Torbay	Dermatitis [1.5]	Neonatal [0.86]	Headaches [0.87]	Anxiety [1.04]	Asthma [1.4]	Conduct [0.95]	Back Pain [0.9]	Depression [1.06]	Iron [2.06]	Congenital [1.01]
Wiltshire	Neonatal [1.22]	Dermatitis [1.49]	Headaches [0.89]	Anxiety [1.02]	Asthma [1.43]	Conduct [0.97]	Back Pain [0.91]	Depression [1.07]	Iron [3.31]	Congenital [1.03]
W Midlands	Dermatitis [1.5]	Neonatal [1.0]	Headaches [0.87]	Anxiety [1.0]	Asthma [1.45]	Conduct [0.96]	Back Pain [0.88]	Depression [1.05]	Congenital [1.11]	Falls [1.05]
Birmingham	Dermatitis [1.5]	Neonatal [0.98]	Headaches [0.86]	Anxiety [0.98]	Asthma [1.45]	Conduct [0.95]	Back Pain [0.89]	Depression [1.03]	Congenital [1.13]	Falls [1.02]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Coventry	Dermatitis [1.51]	Neonatal [0.96]	Headaches [0.85]	Asthma [1.47]	Anxiety [0.95]	Conduct [0.93]	Back Pain [0.86]	Depression [1.01]	Congenital [1.13]	Falls [0.94]
Dudley	Dermatitis [1.51]	Neonatal [1.09]	Headaches [0.87]	Anxiety [1.03]	Asthma [1.43]	Conduct [0.95]	Back Pain [0.91]	Depression [1.05]	Congenital [1.08]	Falls [1.14]
Herefordshire	Dermatitis [1.49]	Neonatal [1.03]	Headaches [0.9]	Anxiety [1.02]	Asthma [1.45]	Conduct [0.97]	Back Pain [0.92]	Depression [1.07]	Congenital [1.1]	Iron [2.68]
Sandwell	Dermatitis [1.52]	Neonatal [1.08]	Headaches [0.81]	Asthma [1.44]	Anxiety [0.99]	Conduct [0.92]	Back Pain [0.86]	Depression [0.98]	Congenital [1.08]	Iron [1.87]
Shropshire	Dermatitis [1.48]	Neonatal [0.99]	Headaches [0.94]	Anxiety [1.05]	Asthma [1.46]	Conduct [1.0]	Back Pain [0.97]	Depression [1.13]	Congenital [1.1]	Falls [1.05]
Solihull	Dermatitis [1.49]	Headaches [0.89]	Anxiety [0.99]	Asthma [1.48]	Neonatal [0.73]	Conduct [0.99]	Back Pain [0.9]	Depression [1.06]	Congenital [1.13]	Falls [0.99]
Staffordshire	Dermatitis [1.49]	Neonatal [0.97]	Headaches [0.9]	Anxiety [1.03]	Asthma [1.45]	Conduct [0.99]	Depression [1.09]	Back Pain [0.83]	Congenital [1.1]	Iron [2.76]
Stoke-on-Trent	Neonatal [1.18]	Dermatitis [1.52]	Headaches [0.84]	Asthma [1.42]	Anxiety [1.0]	Conduct [0.93]	Depression [1.01]	Back Pain [0.78]	Congenital [1.09]	Falls [1.14]
Telford & Wrekin	Dermatitis [1.51]	Neonatal [1.0]	Headaches [0.87]	Anxiety [1.01]	Asthma [1.45]	Conduct [0.94]	Back Pain [0.9]	Depression [1.04]	Congenital [1.09]	Falls [1.06]
Walsall	Dermatitis [1.52]	Neonatal [1.0]	Headaches [0.86]	Asthma [1.43]	Anxiety [1.03]	Conduct [0.94]	Back Pain [0.91]	Depression [1.04]	Congenital [1.08]	Iron [2.1]
Warwickshire	Dermatitis [1.5]	Neonatal [1.02]	Headaches [0.88]	Anxiety [0.98]	Asthma [1.49]	Conduct [0.98]	Back Pain [0.89]	Depression [1.05]	Congenital [1.13]	Falls [0.97]
Wolverhampton	Dermatitis [1.52]	Headaches [0.85]	Asthma [1.42]	Neonatal [0.73]	Anxiety [0.99]	Conduct [0.93]	Back Pain [0.88]	Depression [1.02]	Congenital [1.09]	Iron [2.16]
Worcestershire	Dermatitis [1.49]	Neonatal [1.12]	Headaches [0.9]	Anxiety [1.02]	Asthma [1.45]	Conduct [0.98]	Back Pain [0.92]	Depression [1.08]	Congenital [1.11]	Falls [1.04]
Yorkshire & Humber	Dermatitis [1.5]	Neonatal [0.94]	Headaches [0.87]	Asthma [1.47]	Anxiety [0.99]	Conduct [0.95]	Back Pain [0.89]	Depression [1.04]	Congenital [1.11]	Iron [2.59]
Barnsley	Dermatitis [1.52]	Neonatal [0.99]	Headaches [0.85]	Asthma [1.45]	Anxiety [1.03]	Conduct [0.92]	Back Pain [0.9]	Depression [1.03]	Iron [2.17]	Congenital [1.07]
Bradford	Dermatitis [1.51]	Neonatal [1.04]	Headaches [0.85]	Asthma [1.45]	Anxiety [1.01]	Conduct [0.94]	Back Pain [0.89]	Depression [1.02]	Congenital [1.1]	Iron [2.21]
Calderdale	Dermatitis [1.51]	Neonatal [0.91]	Headaches [0.87]	Asthma [1.47]	Anxiety [1.0]	Conduct [0.95]	Back Pain [0.9]	Depression [1.04]	Congenital [1.1]	Falls [1.03]
Doncaster	Neonatal [1.21]	Dermatitis [1.52]	Headaches [0.85]	Asthma [1.45]	Anxiety [1.03]	Conduct [0.93]	Back Pain [0.9]	Depression [1.03]	Congenital [1.08]	Falls [1.14]
E Riding of Yorkshire	Dermatitis [1.48]	Neonatal [0.92]	Headaches [0.93]	Anxiety [1.05]	Asthma [1.48]	Conduct [0.99]	Back Pain [0.96]	Depression [1.12]	Congenital [1.09]	Falls [1.08]
Kingston upon Hull	Dermatitis [1.53]	Neonatal [0.87]	Headaches [0.8]	Asthma [1.46]	Anxiety [0.95]	Conduct [0.9]	Back Pain [0.82]	Depression [0.96]	Congenital [1.1]	Falls [1.03]
Kirklees	Dermatitis [1.51]	Neonatal [0.88]	Headaches [0.87]	Anxiety [1.01]	Asthma [1.45]	Conduct [0.94]	Back Pain [0.9]	Depression [1.04]	Congenital [1.1]	Iron [2.46]
Leeds	Dermatitis [1.52]	Neonatal [0.87]	Headaches [0.84]	Asthma [1.5]	Anxiety [0.92]	Conduct [0.93]	Back Pain [0.84]	Depression [0.99]	Congenital [1.16]	Falls [0.88]
NE Lincolnshire	Dermatitis [1.52]	Neonatal [0.9]	Headaches [0.84]	Asthma [1.47]	Anxiety [1.0]	Conduct [0.93]	Back Pain [0.86]	Depression [1.01]	Congenital [1.09]	Iron [2.31]
N Lincolnshire	Dermatitis [1.51]	Neonatal [0.83]	Headaches [0.86]	Asthma [1.47]	Anxiety [1.01]	Conduct [0.95]	Back Pain [0.89]	Depression [1.03]	Congenital [1.08]	Iron [2.6]
N Yorkshire	Dermatitis [1.48]	Neonatal [1.06]	Headaches [0.9]	Anxiety [1.02]	Asthma [1.48]	Conduct [1.0]	Back Pain [0.93]	Depression [1.08]	Congenital [1.12]	Iron [2.81]
Rotherham	Dermatitis [1.51]	Neonatal [0.84]	Headaches [0.87]	Asthma [1.46]	Anxiety [1.03]	Conduct [0.94]	Back Pain [0.91]	Depression [1.05]	Congenital [1.08]	Iron [2.09]
Sheffield	Dermatitis [1.49]	Neonatal [0.99]	Headaches [0.9]	Anxiety [0.98]	Asthma [1.49]	Conduct [0.96]	Back Pain [0.91]	Depression [1.08]	Congenital [1.14]	Falls [0.95]
Wakefield	Dermatitis [1.51]	Headaches [0.85]	Asthma [1.47]	Neonatal [0.75]	Anxiety [1.01]	Conduct [0.93]	Back Pain [0.89]	Depression [1.02]	Congenital [1.08]	Iron [2.43]
York	Dermatitis [1.48]	Headaches [0.93]	Neonatal [0.87]	Anxiety [0.98]	Asthma [1.54]	Back Pain [0.92]	Conduct [0.98]	Depression [1.11]	Congenital [1.16]	Acne [1.3]
N Ireland	Anxiety [1.61]	Dermatitis [1.25]	Headaches [0.95]	Neonatal [0.86]	Asthma [1.29]	Depression [1.17]	Back Pain [0.93]	Conduct [0.81]	Congenital [1.04]	Falls [0.96]
Scotland	Dermatitis [1.35]	Headaches [0.96]	Anxiety [1.12]	Neonatal [0.81]	Asthma [1.45]	Depression [1.15]	Conduct [0.91]	Back Pain [0.91]	Congenital [1.24]	Iron [2.7]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Wales	Dermatitis [1.25]	Headaches [0.97]	Neonatal [0.83]	Anxiety [1.11]	Asthma [1.29]	Depression [1.2]	Conduct [0.89]	Back Pain [0.77]	Congenital [1.04]	Falls [1.25]
Latin America and Caribbean	Neonatal [1.16]	Headaches [1.19]	Asthma [1.26]	Back Pain [1.29]	Dermatitis [0.89]	Iron [0.86]	Conduct [0.92]	Anxiety [0.92]	Depression [0.95]	Diarrhea [1.33]
Andean Latin America	Neonatal [1.13]	Dermatitis [1.45]	Headaches [1.08]	Iron [1.28]	Asthma [1.6]	Conduct [0.86]	Back Pain [1.02]	Anxiety [0.9]	Diarrhea [1.39]	Vit A [0.86]
Bolivia	Iron [1.71]	Neonatal [1.1]	Asthma [1.84]	Dermatitis [1.54]	Headaches [1.1]	Diarrhea [1.47]	Back Pain [1.12]	Conduct [0.84]	Anxiety [0.93]	Vit A [0.77]
Ecuador	Headaches [1.38]	Neonatal [1.12]	Dermatitis [1.27]	Asthma [1.44]	Conduct [0.92]	Anxiety [0.97]	Back Pain [1.03]	Depression [0.99]	Epilepsy [1.4]	Diarrhea [1.27]
Peru	Neonatal [1.14]	Iron [1.53]	Dermatitis [1.53]	Asthma [1.6]	Headaches [0.92]	Conduct [0.84]	Back Pain [0.98]	Anxiety [0.87]	Diarrhea [1.39]	Vit A [1.05]
Caribbean	Iron [1.94]	Headaches [1.16]	Neonatal [0.95]	Asthma [1.76]	Dermatitis [1.1]	Anxiety [1.04]	Disaster [1034.02]	Conduct [0.83]	Vit A [1.14]	Depression [0.96]
Antigua	Iron [4.88]	Headaches [1.2]	Asthma [1.87]	Neonatal [0.96]	Dermatitis [1.01]	Anxiety [1.0]	Conduct [0.88]	Back Pain [0.79]	Depression [0.88]	Epilepsy [1.21]
Bahamas	Headaches [1.21]	Asthma [1.97]	Neonatal [0.96]	Dermatitis [1.0]	Anxiety [0.97]	Conduct [0.9]	Back Pain [0.76]	Depression [0.87]	Iron [1.28]	Diarrhea [1.37]
Barbados	Headaches [1.21]	Neonatal [1.03]	Asthma [1.73]	Dermatitis [0.98]	Anxiety [0.99]	Conduct [0.9]	Depression [0.93]	Back Pain [0.79]	Iron [1.07]	Diarrhea [1.23]
Belize	Iron [1.49]	Headaches [1.26]	Asthma [1.91]	Neonatal [1.0]	Dermatitis [1.14]	Anxiety [1.15]	Conduct [0.89]	Depression [1.01]	Back Pain [0.9]	Epilepsy [0.97]
Bermuda	Asthma [2.32]	Headaches [1.15]	Neonatal [0.99]	Dermatitis [1.0]	Anxiety [0.88]	Conduct [0.88]	Depression [0.86]	Back Pain [0.71]	Diarrhea [1.69]	Congenital [0.69]
Cuba	Headaches [1.18]	Asthma [1.95]	Neonatal [0.92]	Dermatitis [1.05]	Iron [1.36]	Anxiety [1.01]	Conduct [0.86]	Depression [0.95]	Back Pain [0.67]	Congenital [0.67]
Dominica	Headaches [1.26]	Neonatal [1.08]	Iron [2.18]	Asthma [1.8]	Dermatitis [1.03]	Anxiety [1.08]	Conduct [0.92]	Back Pain [0.87]	Depression [0.94]	Epilepsy [1.44]
Dominican Rep	Neonatal [1.02]	Headaches [1.22]	Iron [1.02]	Asthma [1.39]	Dermatitis [1.14]	Anxiety [1.12]	Diarrhea [1.44]	Conduct [0.85]	Depression [1.04]	Back Pain [0.89]
Grenada	Neonatal [1.04]	Headaches [1.21]	Asthma [1.76]	Iron [1.12]	Dermatitis [1.09]	Anxiety [1.08]	Conduct [0.88]	Diarrhea [1.4]	Depression [0.96]	Back Pain [0.84]
Guyana	Neonatal [1.07]	Iron [1.18]	Headaches [1.23]	Asthma [1.78]	Dermatitis [1.15]	Depression [1.45]	Anxiety [1.13]	Conduct [0.85]	Back Pain [0.89]	Vit A [0.64]
Haiti	Iron [1.39]	Disaster [1107.76]	Asthma [1.83]	Headaches [1.29]	Vit A [0.81]	Neonatal [1.0]	Dermatitis [1.16]	Diarrhea [1.11]	Anxiety [1.15]	Conduct [0.84]
Jamaica	Headaches [1.25]	Neonatal [1.02]	Asthma [1.85]	Iron [1.64]	Dermatitis [1.04]	Anxiety [1.07]	Conduct [0.89]	Back Pain [0.87]	Depression [0.94]	Epilepsy [1.25]
Puerto Rico	Asthma [2.74]	Headaches [1.25]	Neonatal [1.04]	Dermatitis [0.96]	Anxiety [0.94]	Conduct [0.94]	Back Pain [0.75]	Depression [0.84]	Acne [1.32]	Diarrhea [1.63]
St Lucia	Headaches [1.25]	Neonatal [1.06]	Asthma [1.84]	Dermatitis [1.07]	Anxiety [1.09]	Iron [0.99]	Conduct [0.89]	Depression [1.01]	Back Pain [0.87]	Diarrhea [1.33]
St Vincent	Headaches [1.24]	Neonatal [1.01]	Asthma [1.82]	Iron [1.13]	Dermatitis [1.13]	Anxiety [1.13]	Conduct [0.88]	Depression [1.02]	Back Pain [0.88]	Vit A [0.8]
Suriname	Asthma [1.96]	Neonatal [1.02]	Headaches [1.16]	Iron [1.14]	Dermatitis [1.1]	Anxiety [1.04]	Depression [1.28]	Conduct [0.85]	Back Pain [0.78]	Epilepsy [1.1]
Trinidad Tobago	Asthma [2.07]	Neonatal [1.05]	Headaches [1.11]	Dermatitis [1.07]	Anxiety [0.95]	Conduct [0.83]	Depression [1.01]	Back Pain [0.74]	Iron [0.88]	Congenital [0.69]
Virgin Isl US	Asthma [2.08]	Headaches [1.12]	Neonatal [1.02]	Dermatitis [1.0]	Anxiety [0.86]	Conduct [0.87]	Depression [0.86]	Back Pain [0.69]	Diarrhea [2.05]	Epilepsy [1.36]
Central Latin America	Neonatal [1.38]	Headaches [1.0]	Conduct [0.95]	Dermatitis [0.83]	Asthma [0.94]	Epilepsy [1.64]	Diarrhea [1.47]	Back Pain [0.81]	Anxiety [0.68]	Depression [0.74]
Colombia	Neonatal [1.38]	Headaches [1.08]	Dermatitis [0.93]	Conduct [0.95]	Back Pain [1.13]	Asthma [0.97]	Diarrhea [1.54]	Epilepsy [1.68]	Anxiety [0.61]	Congenital [0.7]
Costa Rica	Neonatal [1.28]	Headaches [1.03]	Asthma [1.37]	Conduct [0.94]	Dermatitis [0.87]	Diarrhea [1.76]	Back Pain [0.87]	Epilepsy [1.54]	Anxiety [0.67]	Iron [0.67]
El Salvador	Neonatal [1.37]	Headaches [1.1]	Asthma [1.24]	Iron [0.71]	Conduct [0.97]	Diarrhea [1.47]	Dermatitis [0.85]	Back Pain [0.99]	Depression [1.01]	Epilepsy [1.39]
Guatemala	Neonatal [1.4]	Headaches [1.09]	Diarrhea [1.79]	Iron [0.6]	Dermatitis [1.04]	Conduct [0.95]	Back Pain [1.11]	Asthma [0.84]	Depression [0.97]	Anxiety [0.74]
Honduras	Neonatal [1.53]	Headaches [1.1]	Iron [0.66]	Diarrhea [1.66]	Asthma [1.22]	Dermatitis [1.05]	Conduct [0.94]	Epilepsy [1.52]	Back Pain [1.01]	Vit A [0.5]

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Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Mexico	Neonatal [1.39]	Headaches [0.97]	Conduct [0.97]	Epilepsy [1.79]	Asthma [0.86]	Dermatitis [0.67]	Anxiety [0.71]	Vit A [0.89]	Congenital [0.78]	Back Pain [0.65]
Aguascalientes	Neonatal [1.39]	Headaches [0.97]	Conduct [0.98]	Epilepsy [1.91]	Asthma [0.95]	Dermatitis [0.66]	Anxiety [0.69]	Congenital [0.83]	Back Pain [0.67]	Depression [0.71]
Baja CA	Neonatal [1.36]	Headaches [0.99]	Conduct [1.0]	Epilepsy [1.85]	Dermatitis [0.66]	Asthma [0.79]	Anxiety [0.71]	Vit A [1.05]	Back Pain [0.68]	Congenital [0.78]
Baja CA Sur	Neonatal [1.44]	Headaches [0.97]	Conduct [0.99]	Epilepsy [1.88]	Asthma [0.92]	Dermatitis [0.66]	Anxiety [0.69]	Vit A [1.11]	Congenital [0.8]	Back Pain [0.65]
Campeche	Neonatal [1.52]	Headaches [0.96]	Conduct [0.96]	Epilepsy [1.66]	Asthma [0.87]	Dermatitis [0.7]	Vit A [0.95]	Iron [0.55]	Anxiety [0.71]	Depression [0.82]
Chiapas	Neonatal [1.43]	Headaches [1.0]	Conduct [0.97]	Epilepsy [1.59]	Vit A [0.75]	Asthma [0.86]	Dermatitis [0.72]	Diarrhea [1.05]	Anxiety [0.75]	Back Pain [0.71]
Chihuahua	Neonatal [1.28]	Headaches [1.0]	Conduct [1.0]	Epilepsy [1.83]	Asthma [0.97]	Anxiety [0.72]	Dermatitis [0.57]	Congenital [0.85]	Back Pain [0.7]	Depression [0.77]
Coahuila	Neonatal [1.18]	Headaches [0.97]	Conduct [0.97]	Epilepsy [1.83]	Asthma [0.96]	Dermatitis [0.67]	Diarrhea [1.29]	Anxiety [0.69]	Back Pain [0.67]	Congenital [0.76]
Colima	Neonatal [1.47]	Headaches [0.97]	Conduct [0.98]	Epilepsy [1.89]	Asthma [0.89]	Dermatitis [0.67]	Anxiety [0.69]	Vit A [0.97]	Back Pain [0.66]	Depression [0.71]
Mexico City	Neonatal [1.48]	Headaches [0.95]	Conduct [0.94]	Epilepsy [2.26]	Dermatitis [0.82]	Asthma [0.78]	Anxiety [0.61]	Congenital [0.83]	Back Pain [0.64]	Depression [0.72]
Durango	Neonatal [1.24]	Headaches [0.97]	Conduct [0.97]	Dermatitis [0.9]	Epilepsy [1.76]	Asthma [0.95]	Anxiety [0.71]	Vit A [0.86]	Back Pain [0.68]	Congenital [0.78]
Guanajuato	Neonatal [1.26]	Headaches [0.98]	Conduct [0.98]	Epilepsy [1.79]	Asthma [0.93]	Vit A [1.03]	Dermatitis [0.69]	Anxiety [0.72]	Back Pain [0.69]	Depression [0.76]
Guerrero	Neonatal [1.48]	Headaches [1.01]	Conduct [0.98]	Epilepsy [1.59]	Asthma [0.87]	Dermatitis [0.72]	Vit A [0.67]	Anxiety [0.75]	Back Pain [0.71]	Congenital [0.74]
Hidalgo	Neonatal [1.71]	Headaches [1.0]	Conduct [0.99]	Epilepsy [1.67]	Asthma [0.91]	Dermatitis [0.71]	Anxiety [0.75]	Back Pain [0.71]	Vit A [0.62]	Congenital [0.75]
Jalisco	Neonatal [1.34]	Headaches [0.96]	Epilepsy [2.17]	Conduct [0.97]	Dermatitis [0.67]	Asthma [0.78]	Anxiety [0.69]	Congenital [0.83]	Back Pain [0.66]	Depression [0.74]
Mexico	Neonatal [1.64]	Headaches [0.93]	Conduct [0.98]	Epilepsy [1.78]	Asthma [0.78]	Anxiety [0.71]	Vit A [0.96]	Dermatitis [0.59]	Depression [0.7]	Congenital [0.71]
Michoacan	Neonatal [1.2]	Headaches [0.98]	Conduct [0.97]	Epilepsy [1.6]	Asthma [0.91]	Dermatitis [0.72]	Anxiety [0.74]	Vit A [0.71]	Back Pain [0.7]	Congenital [0.75]
Morelos	Neonatal [1.36]	Headaches [0.97]	Conduct [0.97]	Epilepsy [1.83]	Asthma [0.82]	Anxiety [0.7]	Dermatitis [0.58]	Congenital [0.84]	Vit A [0.81]	Depression [0.69]
Nayarit	Neonatal [1.49]	Headaches [0.96]	Conduct [0.97]	Epilepsy [1.7]	Asthma [0.89]	Dermatitis [0.69]	Anxiety [0.71]	Congenital [0.8]	Vit A [0.76]	Back Pain [0.67]
Nuevo Leon	Neonatal [1.13]	Headaches [0.95]	Conduct [0.96]	Epilepsy [1.96]	Asthma [0.78]	Anxiety [0.66]	Vit A [1.18]	Dermatitis [0.57]	Back Pain [0.65]	Congenital [0.79]
Oaxaca	Neonatal [1.4]	Headaches [1.02]	Conduct [0.99]	Epilepsy [1.68]	Asthma [0.88]	Dermatitis [0.72]	Anxiety [0.76]	Congenital [0.81]	Back Pain [0.72]	Diarrhea [0.86]
Puebla	Neonatal [1.31]	Headaches [0.99]	Conduct [0.97]	Asthma [0.9]	Dermatitis [0.71]	Anxiety [0.74]	Epilepsy [1.24]	Back Pain [0.71]	Vit A [0.62]	Congenital [0.77]
Queretaro	Neonatal [1.46]	Headaches [0.96]	Conduct [0.97]	Epilepsy [1.81]	Asthma [0.93]	Dermatitis [0.68]	Anxiety [0.69]	Back Pain [0.66]	Congenital [0.77]	Depression [0.7]
Quintana Roo	Neonatal [1.76]	Headaches [0.96]	Conduct [0.97]	Epilepsy [1.79]	Vit A [1.07]	Asthma [0.86]	Dermatitis [0.69]	Diarrhea [1.27]	Anxiety [0.7]	Depression [0.81]
San Luis Potosi	Neonatal [1.2]	Headaches [0.99]	Conduct [0.99]	Epilepsy [1.77]	Asthma [0.92]	Dermatitis [0.69]	Vit A [0.93]	Anxiety [0.72]	Congenital [0.84]	Back Pain [0.69]
Sinaloa	Neonatal [1.26]	Headaches [0.97]	Conduct [0.98]	Epilepsy [1.8]	Asthma [0.89]	Vit A [1.17]	Dermatitis [0.67]	Anxiety [0.7]	Back Pain [0.66]	Congenital [0.75]
Sonora	Neonatal [1.23]	Headaches [0.98]	Conduct [0.99]	Epilepsy [1.89]	Asthma [0.93]	Dermatitis [0.67]	Vit A [1.09]	Anxiety [0.7]	Congenital [0.84]	Back Pain [0.68]
Tabasco	Neonatal [1.5]	Headaches [0.98]	Conduct [0.98]	Epilepsy [1.71]	Iron [0.67]	Vit A [0.97]	Dermatitis [0.69]	Asthma [0.8]	Anxiety [0.73]	Congenital [0.86]
Tamaulipas	Neonatal [1.53]	Headaches [0.97]	Conduct [0.98]	Epilepsy [1.79]	Asthma [0.89]	Anxiety [0.7]	Vit A [1.02]	Diarrhea [1.16]	Dermatitis [0.56]	Back Pain [0.67]
Tlaxcala	Neonatal [1.48]	Headaches [1.0]	Conduct [0.99]	Epilepsy [1.77]	Asthma [0.93]	Dermatitis [0.7]	Anxiety [0.74]	Congenital [0.84]	Back Pain [0.7]	Depression [0.7]
Veracruz	Neonatal [1.48]	Headaches [1.01]	Conduct [1.0]	Epilepsy [1.73]	Asthma [0.86]	Dermatitis [0.71]	Anxiety [0.75]	Vit A [0.7]	Congenital [0.81]	Back Pain [0.71]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Yucatan	Neonatal [1.28]	Headaches [0.99]	Conduct [0.99]	Epilepsy [1.8]	Asthma [0.83]	Dermatitis [0.65]	Anxiety [0.72]	Depression [0.82]	Congenital [0.81]	Vit A [0.74]
Zacatecas	Neonatal [0.97]	Headaches [0.97]	Conduct [0.97]	Epilepsy [1.78]	Asthma [0.94]	Dermatitis [0.7]	Anxiety [0.72]	Vit A [0.74]	Back Pain [0.69]	Congenital [0.73]
Nicaragua	Neonatal [1.43]	Headaches [1.08]	Diarrhea [1.7]	Dermatitis [1.06]	Conduct [0.95]	Asthma [0.98]	Back Pain [0.98]	Iron [0.38]	Epilepsy [1.24]	Depression [0.9]
Panama	Neonatal [1.27]	Headaches [0.98]	Dermatitis [1.16]	Diarrhea [2.57]	Asthma [1.29]	Iron [1.18]	Conduct [0.92]	Back Pain [0.81]	Anxiety [0.63]	Epilepsy [1.35]
Venezuela	Neonatal [1.39]	Diarrhea [3.03]	Headaches [0.97]	Dermatitis [0.99]	Conduct [0.91]	Asthma [1.03]	Epilepsy [1.58]	Back Pain [0.74]	Anxiety [0.64]	Depression [0.77]
Tropical Latin America	Headaches [1.49]	Back Pain [2.15]	Neonatal [0.91]	Asthma [1.49]	Anxiety [1.22]	Iron [1.21]	Depression [1.32]	Conduct [0.93]	Vit A [1.37]	Dermatitis [0.74]
Brazil	Headaches [1.49]	Back Pain [2.17]	Neonatal [0.92]	Asthma [1.48]	Anxiety [1.21]	Iron [1.25]	Depression [1.33]	Conduct [0.93]	Vit A [1.41]	Dermatitis [0.73]
Acre	Headaches [1.59]	Iron [1.44]	Back Pain [2.41]	Neonatal [0.96]	Anxiety [1.35]	Asthma [1.31]	Depression [1.39]	Conduct [0.98]	Vit A [1.08]	Dermatitis [0.77]
Alagoas	Headaches [1.56]	Back Pain [2.33]	Iron [0.82]	Neonatal [0.82]	Anxiety [1.35]	Vit A [1.07]	Asthma [1.24]	Depression [1.54]	Conduct [0.95]	Dermatitis [0.66]
Amapa	Headaches [1.56]	Back Pain [2.19]	Neonatal [0.95]	Iron [1.58]	Asthma [1.42]	Anxiety [1.27]	Depression [1.39]	Conduct [0.98]	Dermatitis [0.73]	Vit A [1.13]
Amazonas	Headaches [1.51]	Back Pain [2.22]	Iron [1.37]	Neonatal [0.81]	Asthma [1.42]	Anxiety [1.27]	Conduct [0.95]	Depression [1.22]	Vit A [1.17]	Dermatitis [0.76]
Bahia	Headaches [1.49]	Back Pain [2.23]	Iron [1.09]	Neonatal [0.9]	Vit A [1.39]	Asthma [1.29]	Anxiety [1.29]	Dermatitis [1.05]	Depression [1.17]	Conduct [0.84]
Ceara	Headaches [1.47]	Back Pain [2.18]	Neonatal [0.86]	Iron [1.01]	Asthma [1.36]	Vit A [1.45]	Anxiety [1.26]	Depression [1.36]	Conduct [0.91]	Dermatitis [0.79]
Distrito Federal	Headaches [1.46]	Back Pain [1.96]	Neonatal [1.03]	Asthma [1.64]	Anxiety [1.06]	Depression [1.24]	Conduct [0.96]	Dermatitis [0.68]	Congenital [0.96]	Iron [1.8]
Espirito Santo	Headaches [1.49]	Back Pain [2.1]	Iron [1.85]	Asthma [1.73]	Neonatal [0.89]	Anxiety [1.21]	Depression [1.37]	Conduct [0.94]	Vit A [1.75]	Dermatitis [0.73]
Goias	Headaches [1.56]	Back Pain [2.3]	Neonatal [0.82]	Asthma [1.51]	Anxiety [1.28]	Depression [1.44]	Iron [1.04]	Conduct [0.97]	Dermatitis [0.73]	Vit A [1.13]
Maranhao	Headaches [1.54]	Iron [0.91]	Back Pain [2.31]	Vit A [1.13]	Neonatal [0.91]	Asthma [1.26]	Anxiety [1.32]	Conduct [0.92]	Depression [1.28]	Dermatitis [0.8]
Mato Grosso	Headaches [1.5]	Back Pain [2.19]	Neonatal [0.86]	Asthma [1.6]	Anxiety [1.23]	Depression [1.28]	Iron [1.0]	Conduct [0.95]	Vit A [1.5]	Dermatitis [0.74]
Mato Grosso do Sul	Headaches [1.52]	Back Pain [2.24]	Neonatal [0.99]	Asthma [1.46]	Anxiety [1.25]	Depression [1.43]	Conduct [0.95]	Iron [0.84]	Dermatitis [0.74]	Vit A [1.18]
Minas Gerais	Headaches [1.53]	Back Pain [2.27]	Neonatal [0.96]	Asthma [1.54]	Anxiety [1.26]	Depression [1.35]	Iron [1.05]	Conduct [0.97]	Vit A [1.21]	Dermatitis [0.63]
Para	Headaches [1.55]	Back Pain [2.3]	Neonatal [0.86]	Iron [0.94]	Asthma [1.4]	Anxiety [1.34]	Vit A [1.12]	Conduct [0.96]	Diarrhea [1.42]	Dermatitis [0.8]
Paraiba	Headaches [1.47]	Back Pain [2.21]	Neonatal [0.81]	Iron [0.84]	Vit A [1.31]	Asthma [1.32]	Anxiety [1.28]	Depression [1.3]	Conduct [0.91]	Dermatitis [0.81]
Parana	Headaches [1.54]	Back Pain [2.24]	Neonatal [0.93]	Asthma [1.63]	Anxiety [1.23]	Depression [1.38]	Conduct [0.97]	Iron [1.07]	Dermatitis [0.64]	Congenital [0.95]
Pernambuco	Headaches [1.49]	Back Pain [2.21]	Iron [1.16]	Neonatal [0.85]	Asthma [1.42]	Anxiety [1.28]	Depression [1.49]	Vit A [1.19]	Conduct [0.92]	Dermatitis [0.77]
Piaui	Headaches [1.52]	Back Pain [2.32]	Neonatal [0.95]	Asthma [1.36]	Anxiety [1.32]	Conduct [0.93]	Depression [1.23]	Dermatitis [0.81]	Vit A [0.7]	Congenital [0.94]
Rio de Janeiro	Headaches [1.51]	Neonatal [1.14]	Back Pain [1.89]	Asthma [1.48]	Anxiety [1.18]	Depression [1.25]	Conduct [0.96]	Dermatitis [0.7]	Iron [1.0]	Congenital [0.88]
Rio Grande do Norte	Headaches [1.46]	Back Pain [2.17]	Iron [1.06]	Neonatal [0.78]	Asthma [1.37]	Anxiety [1.25]	Depression [1.34]	Vit A [1.18]	Conduct [0.91]	Dermatitis [0.79]
Rio Grande do Sul	Back Pain [2.95]	Headaches [1.56]	Neonatal [0.95]	Asthma [1.65]	Anxiety [1.22]	Depression [1.46]	Congenital [1.5]	Dermatitis [0.92]	Epilepsy [2.2]	Iron [1.22]
Rondonia	Headaches [1.58]	Back Pain [2.37]	Neonatal [0.99]	Anxiety [1.33]	Asthma [1.38]	Iron [0.91]	Congenital [1.53]	Depression [1.42]	Conduct [0.98]	Vit A [1.09]
Roraima	Headaches [1.44]	Back Pain [2.11]	Neonatal [1.01]	Iron [1.44]	Asthma [1.42]	Anxiety [1.2]	Depression [1.47]	Conduct [0.92]	Vit A [1.27]	Dermatitis [0.75]
Santa Catarina	Headaches [1.82]	Back Pain [2.14]	Asthma [1.78]	Neonatal [0.85]	Anxiety [1.19]	Depression [1.51]	Iron [1.5]	Conduct [0.97]	Dermatitis [0.7]	Vit A [1.55]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Sao Paulo	Headaches [1.44]	Back Pain [2.12]	Neonatal [0.97]	Asthma [1.6]	Anxiety [1.15]	Depression [1.43]	Conduct [0.97]	Iron [1.32]	Dermatitis [0.61]	Bipolar [1.8]
Sergipe	Headaches [1.51]	Back Pain [2.21]	Neonatal [0.99]	Iron [1.24]	Asthma [1.46]	Anxiety [1.28]	Vit A [1.46]	Depression [1.33]	Conduct [0.94]	Dermatitis [0.65]
Tocantins	Headaches [1.51]	Back Pain [2.27]	Neonatal [0.97]	Iron [1.12]	Asthma [1.39]	Anxiety [1.29]	Depression [1.4]	Conduct [0.94]	Vit A [1.2]	Dermatitis [0.78]
Paraguay	Headaches [1.43]	Asthma [1.74]	Neonatal [0.79]	Back Pain [1.41]	Anxiety [1.24]	Iron [0.92]	Diarrhea [1.98]	Dermatitis [1.04]	Conduct [0.85]	Depression [1.04]
North Africa and Middle East	Iron [1.71]	Neonatal [1.0]	Headaches [0.96]	Anxiety [1.07]	Back Pain [1.15]	Diarrhea [1.83]	Conduct [0.93]	Asthma [0.96]	Depression [1.11]	Dermatitis [0.74]
Afghanistan	Diarrhea [1.38]	Vit A [0.45]	Neonatal [1.13]	Iron [0.34]	Headaches [1.25]	Dermatitis [1.0]	Anxiety [1.34]	Back Pain [1.61]	Conduct [1.03]	Asthma [1.14]
Algeria	Neonatal [1.13]	Headaches [0.84]	Anxiety [0.95]	Asthma [1.09]	Conduct [0.86]	Back Pain [0.96]	Dermatitis [0.75]	Depression [0.97]	Diarrhea [1.59]	Iron [0.89]
Bahrain	Neonatal [1.06]	Headaches [0.89]	Anxiety [0.98]	Dermatitis [0.89]	Conduct [0.91]	Back Pain [1.01]	Depression [1.09]	Asthma [0.99]	Diarrhea [1.79]	Congenital [0.8]
Egypt	Neonatal [1.06]	Iron [1.33]	Headaches [0.99]	Asthma [1.18]	Back Pain [1.27]	Conduct [0.91]	Diarrhea [1.56]	Anxiety [0.99]	Depression [0.94]	Dermatitis [0.63]
Iran	Neonatal [1.28]	Headaches [1.25]	Anxiety [1.33]	Depression [1.28]	Conduct [0.98]	Back Pain [0.98]	Diarrhea [1.78]	Asthma [0.82]	Congenital [0.99]	Dermatitis [0.59]
Iraq	Neonatal [1.13]	Iron [1.18]	Headaches [0.94]	Anxiety [1.08]	Conduct [0.91]	Asthma [1.02]	Back Pain [1.14]	Vit A [0.96]	Conflict Terror [672.19]	Dermatitis [0.71]
Jordan	Neonatal [1.4]	Headaches [0.94]	Iron [1.48]	Asthma [1.24]	Anxiety [1.05]	Conduct [0.95]	Back Pain [1.08]	Depression [1.07]	Dermatitis [0.75]	Diarrhea [1.46]
Kuwait	Neonatal [1.2]	Headaches [0.72]	Asthma [1.21]	Anxiety [0.88]	Conduct [0.92]	Back Pain [0.92]	Dermatitis [0.74]	Diarrhea [2.3]	Depression [0.94]	Iron [1.75]
Lebanon	Neonatal [1.06]	Headaches [0.91]	Anxiety [1.18]	Asthma [1.35]	Dermatitis [0.88]	Conduct [0.89]	Diarrhea [2.01]	Depression [0.99]	Back Pain [0.78]	Congenital [0.91]
Libya	Neonatal [1.05]	Headaches [0.91]	Diarrhea [2.94]	Anxiety [0.95]	Dermatitis [0.87]	Back Pain [1.02]	Conduct [0.94]	Iron [1.83]	Depression [1.05]	Asthma [1.0]
Morocco	Neonatal [1.05]	Headaches [1.04]	Iron [0.91]	Depression [1.79]	Back Pain [1.47]	Anxiety [1.25]	Conduct [0.99]	Dermatitis [0.89]	Vit A [0.98]	Diarrhea [1.3]
Palestine	Neonatal [1.11]	Headaches [0.99]	Depression [1.63]	Anxiety [1.2]	Iron [0.54]	Asthma [1.07]	Conduct [0.95]	Back Pain [1.21]	Dermatitis [0.86]	Diarrhea [1.11]
Oman	Neonatal [1.13]	Headaches [0.78]	Iron [2.12]	Diarrhea [2.43]	Anxiety [0.85]	Conduct [0.83]	Back Pain [0.85]	Asthma [0.92]	Dermatitis [0.67]	Depression [0.88]
Qatar	Neonatal [1.02]	Headaches [0.77]	Dermatitis [0.88]	Anxiety [0.83]	Conduct [0.86]	Back Pain [0.89]	Asthma [0.91]	Depression [0.87]	Congenital [0.89]	Iron [1.28]
Saudi Arabia	Headaches [1.01]	Neonatal [0.75]	Anxiety [0.98]	Back Pain [1.09]	Conduct [0.99]	Dermatitis [0.85]	Depression [1.1]	Diarrhea [2.23]	Congenital [0.95]	Asthma [0.73]
Sudan	Iron [1.22]	Diarrhea [2.02]	Neonatal [0.87]	Headaches [1.01]	Vit A [0.74]	Anxiety [1.21]	Back Pain [1.33]	Conduct [0.95]	Asthma [1.01]	Dermatitis [0.78]
Syria	Conflict Terror [2962.5]	Iron [1.25]	Headaches [1.11]	Neonatal [0.89]	Anxiety [1.31]	Back Pain [1.36]	Conduct [1.09]	Depression [1.28]	Asthma [0.88]	Dermatitis [0.58]
Tunisia	Neonatal [1.05]	Headaches [0.93]	Anxiety [1.06]	Conduct [0.94]	Dermatitis [0.87]	Back Pain [0.98]	Depression [1.1]	Asthma [0.84]	Diarrhea [1.44]	Congenital [0.8]
Turkey	Neonatal [0.77]	Headaches [0.8]	Back Pain [1.24]	Conduct [0.96]	Depression [1.12]	Anxiety [0.82]	Dermatitis [0.67]	Asthma [0.88]	Iron [1.07]	Diarrhea [1.46]
UAE	Neonatal [1.07]	Headaches [0.81]	Asthma [1.38]	Dermatitis [0.87]	Anxiety [0.82]	Conduct [0.86]	Diarrhea [2.51]	Back Pain [0.84]	Iron [2.03]	Congenital [0.92]
Yemen	Iron [3.34]	Vit A [1.51]	Diarrhea [2.1]	Neonatal [1.19]	Headaches [1.02]	Dermatitis [0.97]	Anxiety [1.2]	Hemog [2.7]	Conduct [0.94]	Back Pain [1.25]
South Asia	Iron [1.92]	Neonatal [1.46]	Vit A [1.53]	Headaches [1.03]	Conduct [0.89]	Anxiety [0.88]	Congenital [1.01]	ID [5.06]	Dermatitis [0.64]	Diarrhea [0.91]
Bangladesh	Iron [0.94]	Neonatal [1.43]	Headaches [1.2]	Anxiety [1.15]	Dermatitis [0.89]	Conduct [0.88]	Depression [1.11]	Vit A [0.43]	Back Pain [1.04]	Congenital [0.96]
Bhutan	Iron [3.03]	Neonatal [1.33]	Headaches [1.02]	Vit A [1.35]	Dermatitis [0.9]	Diarrhea [1.31]	Conduct [0.82]	Anxiety [0.92]	Back Pain [0.83]	Congenital [0.82]
India	Iron [2.16]	Neonatal [1.48]	Vit A [1.88]	Headaches [1.02]	Conduct [0.91]	ID [6.52]	Congenital [1.08]	Anxiety [0.84]	Diarrhea [0.88]	PEM [18.45]

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COLOR KEY:	[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Andhra Pradesh	Iron [1.76]	Neonatal [1.61]	Vit A [1.55]	Headaches [1.08]	Conduct [0.93]	Anxiety [0.88]	Congenital [1.03]	ID [5.47]	Depression [1.02]	PEM [17.82]
Arunachal Pradesh	Iron [1.95]	Neonatal [1.55]	Vit A [1.62]	Headaches [1.02]	Conduct [0.9]	Congenital [1.05]	Anxiety [0.84]	ID [5.35]	PEM [23.35]	Depression [0.91]
Assam	Iron [1.88]	Neonatal [1.42]	Vit A [1.48]	Headaches [1.03]	ID [6.92]	Conduct [0.89]	Congenital [1.09]	Anxiety [0.84]	Dermatitis [0.56]	Depression [0.77]
Bihar	Iron [1.46]	Vit A [1.28]	Neonatal [1.6]	Headaches [1.12]	ID [7.13]	Conduct [0.96]	Congenital [1.04]	Anxiety [0.89]	Diarrhea [0.81]	Hemog [1.81]
Chhattisgarh	Iron [1.75]	Neonatal [1.53]	Vit A [1.4]	Headaches [1.03]	Conduct [0.88]	ID [6.0]	Congenital [1.05]	Anxiety [0.78]	PEM [12.15]	Dermatitis [0.56]
Delhi	Iron [7.92]	Neonatal [1.47]	Vit A [3.91]	Headaches [0.93]	Conduct [0.89]	Anxiety [0.69]	Congenital [0.96]	Diarrhea [1.39]	Hemog [6.16]	Blindness [1.67]
Goa	Neonatal [1.8]	Headaches [0.99]	Vit A [3.24]	Iron [1.96]	Conduct [0.93]	Anxiety [0.66]	Congenital [0.99]	Diarrhea [1.48]	Depression [0.71]	Dermatitis [0.5]
Gujarat	Iron [3.76]	Neonatal [1.52]	Vit A [2.22]	Headaches [0.98]	Conduct [0.89]	PEM [44.45]	Congenital [1.05]	Anxiety [0.78]	ID [5.3]	Hemog [3.26]
Haryana	Iron [4.49]	Neonatal [1.51]	Vit A [2.56]	Headaches [0.95]	Conduct [0.88]	Congenital [1.03]	Anxiety [0.79]	Hemog [3.71]	Depression [0.84]	Dermatitis [0.55]
Himachal Pradesh	Iron [4.58]	Neonatal [1.64]	Vit A [2.54]	Headaches [0.99]	Conduct [0.9]	Anxiety [0.79]	Congenital [1.0]	ID [5.34]	Dermatitis [0.53]	Depression [0.74]
Jammu & Kashmir	Iron [1.82]	Neonatal [1.46]	Vit A [2.16]	Headaches [1.05]	Conduct [0.96]	ID [6.46]	Anxiety [0.86]	Congenital [1.06]	Diarrhea [0.95]	Dermatitis [0.56]
Jharkhand	Iron [1.8]	Neonatal [1.59]	Vit A [1.5]	Headaches [1.08]	Conduct [1.02]	ID [6.0]	PEM [11.98]	Congenital [1.05]	Anxiety [0.91]	Diarrhea [0.79]
Karnataka	Neonatal [1.74]	Iron [1.68]	Vit A [1.9]	Headaches [1.0]	Conduct [0.77]	Anxiety [0.85]	Congenital [1.02]	PEM [31.28]	ID [5.52]	Dermatitis [0.56]
Kerala	Neonatal [2.01]	Headaches [0.97]	Iron [1.36]	Vit A [2.13]	Conduct [0.86]	Anxiety [0.83]	Congenital [1.01]	Dermatitis [0.52]	PEM [121.78]	Depression [0.72]
Madhya Pradesh	Iron [2.19]	Vit A [1.62]	Neonatal [1.44]	Headaches [1.03]	ID [6.58]	Conduct [0.89]	PEM [12.0]	Congenital [1.05]	Hemog [2.27]	Anxiety [0.77]
Maharashtra	Iron [3.09]	Neonatal [1.61]	Vit A [2.29]	Headaches [1.0]	Conduct [0.95]	PEM [75.94]	Anxiety [0.8]	Congenital [1.02]	ID [5.4]	Depression [0.8]
Manipur	Neonatal [1.66]	Headaches [1.04]	Vit A [1.39]	Conduct [0.91]	ID [7.1]	Anxiety [0.93]	Iron [0.55]	Congenital [1.07]	Depression [0.89]	Diarrhea [0.98]
Meghalaya	Iron [2.14]	Neonatal [1.6]	Vit A [1.79]	Headaches [1.03]	Conduct [0.92]	ID [6.44]	Congenital [1.07]	Anxiety [0.85]	Depression [0.92]	Dermatitis [0.57]
Mizoram	Neonatal [1.64]	Headaches [1.0]	Vit A [1.64]	Conduct [0.9]	Iron [0.69]	Anxiety [0.81]	Congenital [1.04]	ID [6.4]	Diarrhea [1.25]	Dermatitis [0.55]
Nagaland	Neonatal [1.7]	Iron [2.53]	Headaches [1.01]	Vit A [1.98]	Conduct [0.92]	Anxiety [0.8]	Congenital [1.02]	ID [5.66]	Dermatitis [0.53]	Depression [0.76]
Odisha	Neonatal [1.44]	Iron [1.0]	Vit A [1.59]	Headaches [1.04]	ID [6.56]	Conduct [0.9]	Congenital [1.07]	Anxiety [0.85]	PEM [16.17]	Diarrhea [0.97]
Punjab	Iron [3.65]	Neonatal [1.54]	Vit A [2.36]	Headaches [0.98]	Conduct [0.91]	Congenital [1.03]	Anxiety [0.76]	ID [5.28]	Dermatitis [0.52]	Hemog [3.34]
Rajasthan	Iron [1.61]	Neonatal [1.41]	Vit A [1.51]	Headaches [1.04]	ID [6.2]	Conduct [0.91]	Congenital [1.05]	PEM [11.67]	Anxiety [0.88]	Diarrhea [0.77]
Sikkim	Iron [3.05]	Neonatal [1.65]	Headaches [1.05]	Vit A [2.11]	Conduct [0.92]	Anxiety [0.82]	Congenital [1.0]	Diarrhea [1.16]	Depression [0.79]	Dermatitis [0.54]
Tamil Nadu	Iron [2.31]	Neonatal [1.56]	Vit A [2.45]	Headaches [0.99]	Conduct [0.88]	PEM [68.31]	Anxiety [0.78]	Depression [0.97]	ID [5.53]	Congenital [0.85]
Telangana	Iron [2.72]	Neonatal [1.6]	Vit A [1.94]	Headaches [1.05]	Conduct [0.91]	PEM [36.5]	Anxiety [0.85]	Congenital [1.04]	Depression [0.98]	ID [5.48]
Tripura	Iron [1.54]	Neonatal [1.55]	Vit A [1.71]	Headaches [1.07]	Conduct [0.93]	ID [6.45]	Anxiety [0.87]	Congenital [1.05]	PEM [17.78]	Diarrhea [0.87]
Uttar Pradesh	Iron [1.88]	Vit A [1.58]	Neonatal [1.37]	Headaches [1.08]	ID [6.71]	Conduct [0.93]	Congenital [1.14]	Anxiety [0.85]	Diarrhea [0.82]	Hemog [2.21]
Uttarakhand	Iron [3.32]	Neonatal [1.62]	Vit A [2.06]	Headaches [1.04]	Conduct [0.93]	Anxiety [0.84]	Congenital [1.03]	Diarrhea [1.08]	ID [5.14]	Dermatitis [0.55]
W Bengal	Iron [1.42]	Neonatal [1.43]	Vit A [1.69]	Headaches [1.09]	ID [6.93]	Conduct [0.93]	Anxiety [0.9]	Congenital [1.05]	Dermatitis [0.56]	Depression [0.77]
UTs other than Delhi	Iron [3.92]	Neonatal [1.74]	Vit A [2.75]	Headaches [1.01]	Conduct [0.92]	Anxiety [0.78]	Congenital [1.0]	Depression [0.83]	Dermatitis [0.52]	Back Pain [0.58]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Nepal	Neonatal [1.68]	Iron [0.7]	Headaches [1.54]	Vit A [0.48]	Dermatitis [0.88]	Anxiety [1.06]	Back Pain [1.26]	Conduct [0.9]	Epilepsy [1.05]	Depression [0.93]
Pakistan	Iron [1.49]	Neonatal [1.39]	Headaches [0.93]	Vit A [0.76]	Dermatitis [0.93]	Diarrhea [1.2]	Conduct [0.84]	Anxiety [0.96]	Epilepsy [1.0]	Depression [0.77]
Southeast Asia, East Asia, and Oceania	Neonatal [1.09]	Headaches [0.6]	Conduct [0.79]	Asthma [0.83]	Anxiety [0.71]	Dermatitis [0.63]	Congenital [0.88]	Back Pain [0.67]	Depression [0.64]	Skin Viral [1.11]
East Asia	Neonatal [1.37]	Anxiety [0.71]	Conduct [0.7]	Headaches [0.44]	Asthma [0.67]	Dermatitis [0.5]	Back Pain [0.62]	Skin Viral [1.18]	Congenital [0.72]	Depression [0.58]
China	Neonatal [1.39]	Anxiety [0.71]	Conduct [0.7]	Headaches [0.43]	Asthma [0.66]	Dermatitis [0.5]	Back Pain [0.61]	Skin Viral [1.19]	Congenital [0.72]	Depression [0.58]
N Korea	Neonatal [0.67]	Iron [0.55]	Diarrhea [1.49]	Anxiety [1.06]	Headaches [0.67]	Back Pain [1.09]	Conduct [0.83]	Asthma [0.71]	Dermatitis [0.61]	Vit A [0.53]
Taiwan	Headaches [0.72]	Asthma [1.32]	Back Pain [0.88]	Anxiety [0.73]	Neonatal [0.58]	Conduct [0.87]	Dermatitis [0.57]	Diarrhea [2.31]	Congenital [0.84]	Skin Viral [1.05]
Oceania	Iron [1.19]	Asthma [1.86]	Neonatal [0.76]	Diarrhea [1.4]	Dermatitis [0.98]	Headaches [0.71]	Vit A [0.53]	Conduct [0.84]	Anxiety [0.88]	Congenital [0.92]
Am Samoa	Asthma [2.0]	Iron [1.69]	Neonatal [0.7]	Diarrhea [2.51]	Headaches [0.7]	Dermatitis [0.85]	Conduct [0.89]	Anxiety [0.79]	Vit A [1.65]	Back Pain [0.77]
Micronesia	Iron [1.29]	Asthma [1.72]	Vit A [1.47]	Neonatal [0.69]	Diarrhea [1.7]	Headaches [0.74]	Dermatitis [0.96]	Conduct [0.9]	Anxiety [0.93]	Back Pain [0.86]
Fiji	Iron [1.75]	Asthma [1.73]	Neonatal [0.67]	Diarrhea [2.08]	Dermatitis [0.94]	Headaches [0.64]	Conduct [0.82]	Vit A [1.13]	Anxiety [0.79]	Depression [0.79]
Guam	Diarrhea [5.92]	Asthma [1.98]	Neonatal [0.77]	Dermatitis [0.84]	Headaches [0.62]	Iron [2.71]	Conduct [0.83]	Anxiety [0.66]	Depression [0.88]	Back Pain [0.62]
Kiribati	Iron [0.91]	Vit A [0.83]	Asthma [1.86]	Diarrhea [1.33]	Neonatal [0.76]	Dermatitis [0.99]	Headaches [0.74]	Conduct [0.84]	Anxiety [0.9]	Congenital [0.91]
Marshall	Iron [1.04]	Vit A [1.4]	Asthma [1.64]	Neonatal [0.71]	Diarrhea [1.56]	Dermatitis [0.99]	Headaches [0.7]	Conduct [0.86]	Anxiety [0.9]	Congenital [0.91]
N Mariana	Asthma [1.89]	Neonatal [0.84]	Headaches [0.82]	Diarrhea [3.24]	Conduct [0.96]	Anxiety [0.83]	Dermatitis [0.77]	Iron [1.78]	Depression [1.01]	Back Pain [0.85]
PNG	Iron [1.06]	Asthma [1.93]	Neonatal [0.81]	Diarrhea [1.26]	Dermatitis [0.98]	Headaches [0.75]	Conduct [0.85]	Vit A [0.38]	Anxiety [0.9]	Congenital [0.91]
Samoa	Iron [1.22]	Asthma [1.71]	Vit A [1.28]	Neonatal [0.73]	Diarrhea [1.92]	Dermatitis [0.99]	Headaches [0.66]	Conduct [0.82]	Anxiety [0.84]	Congenital [0.89]
Solomon	Iron [1.23]	Vit A [0.8]	Asthma [1.76]	Neonatal [0.84]	Diarrhea [1.27]	Dermatitis [0.98]	Headaches [0.74]	Conduct [0.86]	Anxiety [0.9]	Congenital [0.9]
Tonga	Asthma [2.26]	Neonatal [0.69]	Diarrhea [2.01]	Dermatitis [0.94]	Headaches [0.68]	Conduct [0.86]	Iron [0.69]	Anxiety [0.85]	Vit A [1.1]	Back Pain [0.8]
Vanuatu	Iron [1.14]	Asthma [1.95]	Vit A [1.0]	Neonatal [0.78]	Dermatitis [0.99]	Diarrhea [1.24]	Headaches [0.69]	Conduct [0.84]	Anxiety [0.88]	Congenital [0.89]
Southeast Asia	Neonatal [0.72]	Headaches [0.84]	Conduct [0.93]	Asthma [1.03]	Dermatitis [0.8]	Congenital [1.11]	Iron [0.67]	Anxiety [0.72]	Back Pain [0.75]	Vit A [0.94]
Cambodia	Iron [1.31]	Neonatal [0.77]	Headaches [0.9]	Dermatitis [0.98]	Vit A [0.62]	Conduct [0.91]	Congenital [1.14]	Asthma [0.93]	Back Pain [1.08]	Diarrhea [0.87]
Indonesia	Neonatal [0.74]	Headaches [0.85]	Conduct [1.0]	Asthma [1.04]	Anxiety [0.74]	Congenital [1.0]	Vit A [1.08]	Back Pain [0.76]	Dermatitis [0.6]	Diarrhea [1.22]
Laos	Iron [0.65]	Headaches [0.88]	Vit A [0.89]	Dermatitis [0.98]	Neonatal [0.59]	Conduct [0.9]	Anxiety [1.03]	Asthma [0.97]	Congenital [1.17]	Back Pain [0.92]
Malaysia	Neonatal [0.82]	Headaches [0.75]	Depression [1.34]	Dermatitis [0.93]	Conduct [0.9]	Anxiety [0.81]	Diarrhea [2.24]	Congenital [1.09]	Asthma [0.9]	Back Pain [0.64]
Maldives	Neonatal [0.67]	Headaches [0.77]	Iron [1.03]	Dermatitis [0.94]	Conduct [0.86]	Asthma [0.97]	Congenital [1.09]	Anxiety [0.69]	Depression [0.79]	Scabies [3.28]
Mauritius	Iron [3.11]	Neonatal [0.82]	Headaches [0.89]	Depression [1.27]	Conduct [0.96]	Asthma [1.12]	Dermatitis [0.84]	Anxiety [0.74]	Congenital [1.05]	Diarrhea [1.77]
Myanmar	Iron [0.77]	Headaches [0.92]	Neonatal [0.73]	Congenital [1.63]	Dermatitis [0.98]	Conduct [0.95]	Vit A [0.76]	Asthma [0.86]	Anxiety [0.86]	Scabies [2.14]
Philippines	Neonatal [0.79]	Asthma [1.36]	Headaches [0.79]	Dermatitis [1.04]	Conduct [0.86]	Congenital [1.18]	Vit A [0.95]	Back Pain [0.85]	Iron [0.54]	Anxiety [0.74]
Sri Lanka	Neonatal [0.74]	Headaches [0.81]	Dermatitis [0.89]	Conduct [0.9]	Congenital [1.26]	Asthma [0.96]	Iron [0.86]	Anxiety [0.72]	Depression [0.89]	Epilepsy [1.32]
Seychelles	Neonatal [0.82]	Headaches [0.78]	Dermatitis [0.91]	Conduct [0.86]	Asthma [0.98]	Congenital [1.07]	Anxiety [0.68]	Back Pain [0.67]	Depression [0.73]	Diarrhea [1.21]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Thailand	Headaches [0.99]	Neonatal [0.66]	Dermatitis [0.94]	Conduct [0.95]	Asthma [0.95]	Congenital [1.11]	Anxiety [0.76]	Back Pain [0.76]	Depression [0.86]	Scabies [4.08]
Timor-Leste	Iron [1.39]	Headaches [0.89]	Vit A [0.8]	Neonatal [0.66]	Dermatitis [0.97]	Conduct [0.92]	Congenital [1.15]	Asthma [0.91]	Diarrhea [0.94]	Anxiety [0.83]
Vietnam	Headaches [0.81]	Neonatal [0.62]	Conduct [0.88]	Dermatitis [0.83]	Congenital [1.04]	Asthma [0.78]	Iron [0.45]	Depression [0.73]	Back Pain [0.66]	Diarrhea [0.91]
Sub-Saharan Africa	Iron [1.3]	Vit A [1.2]	Neonatal [1.08]	Dermatitis [0.99]	Headaches [0.78]	Diarrhea [1.09]	Congenital [1.17]	Conduct [0.92]	Anxiety [0.94]	Epilepsy [1.18]
Central Sub-Saharan Africa	Iron [1.16]	Vit A [1.44]	Neonatal [1.19]	Dermatitis [1.13]	Oncho [226.21]	Diarrhea [1.32]	Epilepsy [1.6]	Malaria [19.93]	Headaches [0.74]	Conduct [0.9]
Angola	Iron [1.89]	Vit A [1.25]	Neonatal [1.35]	Dermatitis [1.14]	Diarrhea [1.43]	Epilepsy [1.73]	Asthma [1.15]	Headaches [0.7]	Congenital [1.1]	Conduct [0.87]
C African Rep	Iron [1.27]	Vit A [1.05]	Neonatal [1.1]	Malaria [3.23]	Diarrhea [1.13]	Dermatitis [1.12]	Headaches [0.96]	Epilepsy [1.52]	Conduct [1.03]	Depression [1.39]
Congo	Iron [1.85]	Vit A [2.57]	Neonatal [1.29]	Dermatitis [1.13]	Epilepsy [2.03]	Asthma [1.22]	Diarrhea [1.63]	Headaches [0.7]	Conduct [0.9]	Depression [1.14]
Congo DR	Vit A [1.06]	Iron [0.69]	Neonatal [1.28]	Oncho [149.82]	Dermatitis [1.14]	Malaria [4.49]	Diarrhea [1.08]	Epilepsy [1.43]	Headaches [0.83]	Conduct [0.95]
Eq Guinea	Iron [1.72]	Neonatal [0.9]	Vit A [1.66]	Dermatitis [1.06]	Epilepsy [2.22]	Headaches [0.7]	Conduct [0.95]	Asthma [1.07]	Diarrhea [1.68]	Malaria [430.41]
Gabon	Iron [3.79]	Neonatal [1.38]	Vit A [2.29]	Dermatitis [1.05]	Epilepsy [2.35]	Headaches [0.71]	Asthma [1.15]	Diarrhea [1.83]	Conduct [0.89]	Depression [1.16]
Eastern Sub-Saharan Africa	Iron [0.81]	Vit A [0.87]	Neonatal [1.38]	Dermatitis [1.06]	Congenital [1.17]	Conduct [0.98]	Diarrhea [0.94]	Asthma [0.99]	Anxiety [1.03]	Depression [1.15]
Burundi	Iron [0.54]	Vit A [0.53]	Neonatal [1.16]	Dermatitis [1.15]	Diarrhea [0.84]	Congenital [1.1]	Conduct [0.96]	Epilepsy [1.2]	Anxiety [1.06]	Asthma [1.0]
Comoros	Iron [0.89]	Neonatal [1.5]	Vit A [0.78]	Dermatitis [1.11]	Conduct [0.98]	Asthma [1.07]	Diarrhea [1.02]	Anxiety [1.07]	Congenital [1.03]	Headaches [0.64]
Djibouti	Neonatal [1.4]	Iron [0.87]	Dermatitis [1.11]	PEM [13.81]	Conduct [0.89]	Congenital [1.07]	Asthma [0.9]	Epilepsy [1.3]	Anxiety [0.92]	Depression [1.06]
Eritrea	Iron [1.25]	Neonatal [1.52]	Vit A [0.78]	Dermatitis [1.11]	Conduct [0.98]	Diarrhea [0.99]	Anxiety [1.06]	Depression [1.22]	Congenital [1.05]	Epilepsy [1.24]
Ethiopia	Vit A [0.94]	Iron [0.61]	Neonatal [1.5]	Dermatitis [1.07]	Conduct [1.06]	Diarrhea [0.87]	Congenital [1.06]	Anxiety [1.08]	Asthma [0.91]	Depression [1.1]
Kenya	Neonatal [1.62]	Vit A [1.03]	Dermatitis [1.15]	Congenital [1.55]	Conduct [1.02]	Iron [0.43]	Diarrhea [1.16]	Anxiety [1.01]	Headaches [0.6]	Depression [0.98]
Baringo	Neonatal [1.64]	Vit A [0.95]	Dermatitis [1.11]	Congenital [1.5]	Conduct [1.1]	Diarrhea [1.14]	Anxiety [1.08]	Headaches [0.67]	Depression [1.04]	Asthma [0.74]
Bomet	Neonatal [1.89]	Dermatitis [1.12]	Congenital [1.52]	Vit A [0.7]	Conduct [1.0]	Anxiety [1.0]	Diarrhea [1.05]	Headaches [0.6]	Asthma [0.76]	Depression [0.95]
Bungoma	Neonatal [1.71]	Vit A [1.18]	Iron [0.49]	Dermatitis [1.13]	Congenital [1.52]	Conduct [1.02]	Diarrhea [1.11]	Anxiety [1.0]	Headaches [0.6]	Asthma [0.75]
Busia	Neonatal [1.68]	Vit A [1.0]	Iron [0.53]	Dermatitis [1.12]	Congenital [1.51]	Conduct [1.03]	Diarrhea [1.08]	Anxiety [1.03]	Headaches [0.63]	Schisto [78.59]
Elgeyo-Marakwet	Neonatal [1.83]	Dermatitis [1.13]	Congenital [1.52]	Conduct [1.07]	Vit A [0.63]	Anxiety [1.05]	Diarrhea [1.1]	Headaches [0.63]	Depression [1.02]	Epilepsy [1.16]
Embu	Neonatal [1.77]	Vit A [1.09]	Dermatitis [1.13]	Congenital [1.53]	Conduct [1.05]	Anxiety [1.03]	Diarrhea [1.23]	Iron [0.44]	Headaches [0.62]	Depression [1.02]
Garissa	Neonatal [2.03]	Vit A [0.61]	Iron [0.47]	Congenital [1.52]	Dermatitis [1.13]	Conduct [1.11]	Anxiety [1.06]	Headaches [0.69]	Diarrhea [0.67]	Depression [0.99]
HomaBay	Vit A [1.05]	Neonatal [1.12]	Iron [0.56]	HIV [102.92]	Congenital [1.54]	Dermatitis [1.12]	Diarrhea [1.23]	Conduct [1.03]	Anxiety [1.02]	Headaches [0.63]
Isiolo	Neonatal [1.52]	Vit A [0.76]	Iron [0.45]	Congenital [1.51]	Dermatitis [1.13]	Conduct [1.07]	Diarrhea [0.97]	Anxiety [1.05]	Headaches [0.67]	Depression [1.0]
Kajiado	Neonatal [1.92]	Vit A [1.29]	Iron [0.63]	Dermatitis [1.14]	Congenital [1.55]	Conduct [0.98]	Anxiety [0.96]	Headaches [0.57]	Epilepsy [1.26]	Diarrhea [1.02]
Kakamega	Neonatal [1.48]	Vit A [1.19]	Iron [0.68]	Dermatitis [1.12]	Congenital [1.52]	Diarrhea [1.2]	Conduct [1.02]	Anxiety [1.01]	Headaches [0.62]	Depression [0.96]
Kericho	Neonatal [2.0]	Dermatitis [1.13]	Congenital [1.55]	Vit A [0.78]	Conduct [0.99]	Diarrhea [1.25]	Anxiety [0.97]	Headaches [0.57]	Asthma [0.76]	Depression [0.93]
Kiambu	Neonatal [1.87]	Dermatitis [1.14]	Congenital [1.56]	Conduct [0.98]	Anxiety [0.96]	Headaches [0.56]	Diarrhea [1.21]	Epilepsy [1.33]	Depression [0.94]	Asthma [0.75]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Kilifi	Neonatal [1.63]	Vit A [0.97]	Iron [0.52]	Dermatitis [1.13]	Congenital [1.51]	Conduct [1.03]	Diarrhea [1.06]	Anxiety [1.02]	Headaches [0.62]	Depression [0.96]
Kirinyaga	Neonatal [1.84]	Dermatitis [1.13]	Congenital [1.55]	Conduct [1.02]	Diarrhea [1.42]	Anxiety [1.01]	Headaches [0.6]	Depression [0.98]	Epilepsy [1.22]	Vit A [0.57]
Kisii	Neonatal [1.45]	Dermatitis [1.13]	Vit A [0.89]	Congenital [1.53]	Conduct [1.05]	Anxiety [1.04]	Diarrhea [1.24]	Headaches [0.62]	Depression [1.02]	Epilepsy [1.15]
Kisumu	Vit A [1.31]	Neonatal [1.1]	Iron [0.7]	Congenital [1.54]	Conduct [1.04]	Dermatitis [0.93]	Anxiety [1.04]	Diarrhea [1.1]	Headaches [0.63]	HIV [103.37]
Kitui	Neonatal [1.91]	Dermatitis [1.12]	Congenital [1.51]	Conduct [1.06]	Diarrhea [1.12]	Vit A [0.52]	Anxiety [1.06]	Headaches [0.65]	Depression [1.02]	Epilepsy [1.05]
Kwale	Neonatal [1.65]	Iron [0.67]	Vit A [0.95]	Dermatitis [1.13]	Congenital [1.49]	Conduct [1.04]	Anxiety [1.03]	Diarrhea [0.95]	Headaches [0.62]	Depression [0.98]
Laikipia	Neonatal [1.93]	Dermatitis [1.14]	Congenital [1.54]	Conduct [1.02]	Anxiety [0.98]	Diarrhea [1.24]	Headaches [0.58]	Vit A [0.7]	Asthma [0.79]	Depression [0.97]
Lamu	Neonatal [1.45]	Dermatitis [1.11]	Vit A [0.66]	Congenital [1.5]	Conduct [1.09]	Anxiety [1.08]	Diarrhea [1.06]	Iron [0.32]	Headaches [0.67]	Depression [1.05]
Machakos	Neonatal [1.81]	Dermatitis [1.13]	Congenital [1.52]	Conduct [1.05]	Vit A [0.71]	Diarrhea [1.23]	Anxiety [1.02]	Headaches [0.61]	Depression [1.0]	Epilepsy [1.16]
Makueni	Neonatal [1.8]	Dermatitis [1.11]	Congenital [1.51]	Conduct [1.06]	Anxiety [1.05]	Headaches [0.65]	Vit A [0.47]	Diarrhea [0.91]	Depression [1.03]	HIV [80.61]
Mandera	Vit A [0.69]	Neonatal [1.65]	Iron [0.49]	Congenital [1.49]	Dermatitis [1.11]	Conduct [1.22]	Anxiety [1.16]	Headaches [0.8]	Diarrhea [0.68]	Depression [1.14]
Marsabit	Neonatal [2.11]	Vit A [0.55]	Congenital [1.5]	Dermatitis [1.13]	Conduct [1.1]	Diarrhea [0.85]	Anxiety [1.09]	Iron [0.23]	PEM [2.93]	Headaches [0.71]
Meru	Neonatal [1.8]	Vit A [1.04]	Dermatitis [1.12]	Congenital [1.53]	Conduct [1.06]	Diarrhea [1.34]	Anxiety [1.05]	Headaches [0.64]	Depression [1.04]	Epilepsy [1.15]
Migori	Vit A [1.06]	Neonatal [1.08]	Iron [0.43]	Congenital [1.54]	Dermatitis [1.13]	Diarrhea [1.17]	Conduct [1.0]	HIV [69.89]	Anxiety [1.0]	Headaches [0.61]
Mombasa	Neonatal [1.53]	Iron [0.83]	Vit A [1.19]	Dermatitis [1.14]	Congenital [1.55]	Conduct [0.96]	Diarrhea [1.36]	Anxiety [0.96]	Headaches [0.57]	Epilepsy [1.3]
Murang'a	Neonatal [1.82]	Dermatitis [1.12]	Congenital [1.54]	Conduct [1.09]	Anxiety [1.06]	Headaches [0.65]	Diarrhea [1.14]	Depression [1.06]	Epilepsy [1.16]	Asthma [0.74]
Nairobi	Neonatal [1.74]	Dermatitis [1.36]	Congenital [1.48]	Conduct [0.91]	Anxiety [0.82]	Headaches [0.52]	Epilepsy [1.67]	Vit A [1.25]	Depression [0.87]	Asthma [0.76]
Nakuru	Neonatal [1.77]	Dermatitis [1.14]	Congenital [1.56]	Conduct [1.02]	Epilepsy [1.74]	Diarrhea [1.33]	Anxiety [0.99]	Vit A [0.7]	Headaches [0.59]	Asthma [0.78]
Nandi	Neonatal [1.9]	Dermatitis [1.13]	Congenital [1.53]	Vit A [0.77]	Conduct [1.04]	Anxiety [1.03]	Headaches [0.62]	Diarrhea [1.05]	Depression [1.0]	Asthma [0.75]
Narok	Neonatal [2.19]	Vit A [0.96]	Dermatitis [1.13]	Congenital [1.51]	Conduct [0.99]	Iron [0.28]	Diarrhea [0.94]	Anxiety [0.99]	Headaches [0.61]	Asthma [0.8]
Nyamira	Neonatal [1.66]	Dermatitis [1.14]	Congenital [1.55]	Conduct [1.02]	Diarrhea [1.4]	Anxiety [1.0]	Headaches [0.59]	Epilepsy [1.39]	Depression [0.99]	Asthma [0.76]
Nyandarua	Neonatal [1.92]	Dermatitis [1.12]	Congenital [1.55]	Conduct [1.07]	Anxiety [1.04]	Headaches [0.63]	Diarrhea [1.17]	Epilepsy [1.4]	Depression [1.07]	Vit A [0.61]
Nyeri	Neonatal [1.8]	Dermatitis [1.12]	Congenital [1.55]	Conduct [1.08]	Anxiety [1.05]	Headaches [0.64]	Epilepsy [1.38]	Depression [1.06]	Diarrhea [1.11]	Asthma [0.74]
Samburu	Neonatal [2.29]	Vit A [0.57]	Congenital [1.52]	Dermatitis [1.15]	Iron [0.32]	Diarrhea [0.91]	Conduct [1.06]	Anxiety [1.05]	Headaches [0.68]	Asthma [0.81]
Siaya	Neonatal [1.18]	Vit A [1.02]	Dermatitis [1.12]	Iron [0.45]	Congenital [1.52]	Conduct [1.03]	Diarrhea [1.17]	Anxiety [1.02]	Headaches [0.62]	Asthma [0.79]
TaitaTaveta	Neonatal [1.65]	Dermatitis [1.13]	Congenital [1.53]	Conduct [1.09]	Anxiety [1.06]	Headaches [0.63]	Diarrhea [1.14]	Epilepsy [1.36]	Depression [1.05]	Asthma [0.73]
TanaRiver	Iron [0.89]	Vit A [1.13]	Neonatal [1.8]	Congenital [1.51]	Dermatitis [1.13]	Conduct [1.07]	Diarrhea [0.95]	Anxiety [1.06]	Headaches [0.67]	Epilepsy [1.06]
TharakaNithi	Neonatal [1.45]	Dermatitis [1.13]	Congenital [1.53]	Conduct [1.07]	Anxiety [1.06]	Diarrhea [1.29]	Vit A [0.71]	Headaches [0.63]	Depression [1.06]	Epilepsy [1.3]
TransNzoia	Neonatal [1.8]	Dermatitis [1.12]	Vit A [0.81]	Congenital [1.51]	Conduct [1.04]	Diarrhea [1.32]	Anxiety [1.03]	Headaches [0.62]	Depression [1.01]	Asthma [0.75]
Turkana	Neonatal [1.99]	Vit A [0.63]	Iron [0.37]	Congenital [1.53]	Dermatitis [1.13]	Diarrhea [0.91]	Conduct [1.12]	Anxiety [1.09]	PEM [1.96]	Headaches [0.73]
UasinGishu	Neonatal [1.74]	Dermatitis [1.64]	Vit A [1.0]	Congenital [1.53]	Conduct [1.0]	Diarrhea [1.32]	Anxiety [0.99]	Headaches [0.59]	Iron [0.41]	Depression [0.96]

eFigure 9a. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <20 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Vihiga	Neonatal [1.66]	Vit A [0.98]	Dermatitis [1.11]	Congenital [1.51]	Conduct [1.07]	Iron [0.41]	Diarrhea [1.14]	Anxiety [1.07]	Headaches [0.66]	Depression [1.04]
Wajir	Neonatal [2.04]	Vit A [0.48]	Congenital [1.52]	Dermatitis [1.14]	Conduct [1.18]	Iron [0.22]	Diarrhea [0.65]	Anxiety [1.12]	Headaches [0.77]	Depression [1.04]
WestPokot	Neonatal [2.05]	Vit A [0.81]	Congenital [1.51]	Dermatitis [1.13]	Iron [0.31]	Diarrhea [1.05]	Conduct [1.05]	Anxiety [1.05]	Headaches [0.66]	Depression [0.99]
Madagascar	Iron [0.8]	Congenital [2.54]	Neonatal [1.45]	Vit A [0.61]	Diarrhea [1.1]	Dermatitis [1.13]	Asthma [1.13]	Conduct [0.95]	Epilepsy [1.25]	Anxiety [1.04]
Malawi	Iron [1.19]	Vit A [0.84]	Neonatal [1.28]	Diarrhea [1.21]	Dermatitis [1.13]	HIV [55.32]	Conduct [0.96]	Congenital [1.09]	Anxiety [1.07]	Asthma [0.98]
Mozambique	Iron [0.96]	Vit A [0.89]	Neonatal [1.21]	HIV [54.33]	Dermatitis [0.95]	Epilepsy [1.46]	Malaria [2.48]	Conduct [0.99]	Anxiety [1.09]	Congenital [1.04]
Rwanda	Iron [0.69]	Neonatal [1.33]	Vit A [0.66]	Asthma [1.32]	Conduct [0.93]	Depression [1.24]	Congenital [1.08]	Anxiety [1.02]	Diarrhea [0.88]	Epilepsy [1.24]
Somalia	Iron [0.85]	Vit A [0.71]	Neonatal [1.44]	Dermatitis [1.14]	Congenital [1.06]	Diarrhea [0.67]	Conduct [1.0]	Anxiety [1.08]	Epilepsy [1.04]	Depression [1.17]
S Sudan	Iron [0.9]	Vit A [0.75]	Oncho [84.59]	Neonatal [1.34]	Diarrhea [1.1]	Dermatitis [1.14]	Asthma [1.11]	Conduct [0.99]	Congenital [1.02]	PEM [1.82]
Tanzania	Iron [1.22]	Neonatal [1.29]	Vit A [0.76]	Asthma [1.28]	Dermatitis [0.95]	Conduct [0.9]	Anxiety [0.99]	Epilepsy [1.18]	Depression [1.11]	Congenital [0.89]
Uganda	Iron [0.84]	Neonatal [1.31]	Vit A [0.73]	Dermatitis [1.09]	Depression [1.59]	Epilepsy [1.43]	Asthma [1.1]	Malaria [5.76]	Diarrhea [0.96]	Conduct [0.93]
Zambia	Iron [0.9]	Vit A [1.32]	Neonatal [1.15]	Dermatitis [1.12]	Diarrhea [1.2]	Epilepsy [1.5]	Headaches [0.73]	Conduct [0.89]	Congenital [1.07]	Anxiety [0.97]
Southern Sub-Saharan Africa	Neonatal [1.07]	Dermatitis [1.29]	Iron [1.07]	Vit A [1.7]	Headaches [0.7]	Conduct [0.93]	Congenital [1.21]	Anxiety [0.9]	HIV [248.67]	Depression [0.91]
Botswana	Iron [2.34]	Neonatal [1.29]	Dermatitis [1.28]	Vit A [2.07]	Headaches [0.7]	Conduct [0.91]	Anxiety [0.85]	Depression [1.02]	Diarrhea [1.39]	Congenital [0.84]
Lesotho	Iron [0.94]	Vit A [1.2]	Neonatal [0.95]	Dermatitis [1.36]	Depression [1.83]	HIV [150.1]	Headaches [0.81]	Conduct [0.96]	Diarrhea [1.14]	Anxiety [1.02]
Namibia	Iron [1.75]	Neonatal [1.12]	Dermatitis [1.34]	Headaches [0.71]	Diarrhea [1.67]	Conduct [0.9]	Anxiety [0.9]	Vit A [1.05]	Depression [0.89]	HIV [188.47]
S Africa	Neonatal [1.1]	Dermatitis [1.24]	Headaches [0.69]	Congenital [1.43]	Vit A [1.84]	Conduct [0.95]	Anxiety [0.91]	HIV [339.23]	Depression [0.92]	Iron [0.8]
Swaziland	Iron [1.2]	Neonatal [0.91]	Dermatitis [1.37]	Vit A [1.27]	HIV [246.47]	Headaches [0.74]	Diarrhea [1.6]	Conduct [0.93]	Anxiety [0.95]	Depression [1.12]
Zimbabwe	Iron [0.79]	Neonatal [1.13]	Vit A [0.86]	Dermatitis [1.37]	Diarrhea [1.29]	Headaches [0.79]	Conduct [0.93]	Anxiety [0.89]	Congenital [0.76]	HIV [58.79]
Western Sub-Saharan Africa	Iron [1.73]	Vit A [1.27]	Neonatal [0.85]	Headaches [0.98]	Diarrhea [1.1]	Congenital [1.17]	Dermatitis [0.85]	Conduct [0.9]	Malaria [12.57]	Hemog [2.33]
Benin	Iron [1.08]	Vit A [1.05]	Neonatal [1.2]	Malaria [5.54]	Headaches [1.0]	Dermatitis [0.92]	Conduct [0.94]	Epilepsy [1.2]	Congenital [0.97]	Back Pain [1.12]
Burkina Faso	Iron [1.56]	Vit A [1.0]	Malaria [1.83]	Neonatal [1.02]	Headaches [1.11]	Diarrhea [0.92]	Dermatitis [0.93]	Hemog [1.74]	Conduct [0.96]	Congenital [0.97]
Cameroon	Iron [1.13]	Vit A [1.39]	Neonatal [0.8]	Headaches [0.96]	Diarrhea [1.51]	Dermatitis [0.92]	Conduct [0.93]	Malaria [28.78]	Epilepsy [1.36]	Oncho [183.02]
Cape Verde	Iron [1.37]	Neonatal [1.43]	Headaches [1.01]	Conduct [0.98]	Dermatitis [0.91]	Anxiety [0.94]	Diarrhea [1.18]	Back Pain [1.02]	Depression [1.05]	Epilepsy [1.32]
Chad	Iron [1.6]	Vit A [0.83]	Diarrhea [1.29]	Neonatal [0.9]	Headaches [1.09]	Dermatitis [0.94]	Conduct [0.94]	Congenital [0.95]	Back Pain [1.36]	Epilepsy [0.97]
Cote d'Ivoire	Iron [1.42]	Vit A [1.24]	Neonatal [0.98]	Headaches [0.98]	Diarrhea [1.25]	Dermatitis [0.91]	Conduct [0.93]	Epilepsy [1.23]	Congenital [1.01]	Hemog [2.03]
Gambia	Iron [1.73]	Vit A [1.33]	Neonatal [1.54]	Headaches [1.05]	Diarrhea [1.18]	Dermatitis [0.91]	Conduct [0.96]	Depression [1.18]	Anxiety [0.94]	Congenital [0.94]
Ghana	Iron [2.11]	Vit A [2.14]	Neonatal [1.11]	Headaches [0.93]	Diarrhea [1.34]	Conduct [0.91]	Epilepsy [1.39]	Anxiety [0.87]	Congenital [1.01]	Malaria [82.53]
Guinea	Iron [1.15]	Vit A [0.86]	Neonatal [1.02]	Malaria [2.34]	Headaches [1.08]	Diarrhea [0.95]	Dermatitis [0.93]	Conduct [0.96]	Hemog [1.74]	Congenital [0.97]
Guinea-Bissau	Iron [1.29]	Vit A [1.09]	Neonatal [1.24]	Headaches [1.06]	Dermatitis [0.93]	Diarrhea [0.88]	Conduct [0.94]	Congenital [1.03]	Epilepsy [1.16]	Anxiety [0.93]
Liberia	Iron [1.18]	Oncho [208.34]	Vit A [0.73]	Neonatal [1.21]	Diarrhea [1.34]	Headaches [1.12]	Dermatitis [0.92]	Epilepsy [1.38]	Conduct [0.99]	Hemog [1.85]

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Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.78]	(0.78-0.88]	(0.88-0.94]	(0.94-1.0]	(1.0-1.06]	(1.06-1.18]	(1.18-1.38]	(1.38-1.66]	1.66+
	1	2	3	4	5	6	7	8	9	10
Mali	Iron [1.69]	Vit A [1.03]	Neonatal [0.98]	Headaches [1.14]	Malaria [1.23]	Diarrhea [0.8]	Conduct [0.97]	Dermatitis [0.81]	Congenital [0.96]	Anxiety [0.95]
Mauritania	Iron [1.42]	PEM [27.03]	Neonatal [1.3]	Vit A [1.23]	Headaches [0.97]	Diarrhea [1.24]	Dermatitis [0.92]	Conduct [0.93]	Asthma [0.93]	Epilepsy [1.26]
Niger	Iron [1.02]	Vit A [0.71]	Neonatal [0.97]	Diarrhea [0.76]	Malaria [1.03]	Headaches [1.16]	Dermatitis [0.96]	Conduct [0.96]	Congenital [0.92]	PEM [0.87]
Nigeria	Iron [2.24]	Vit A [1.45]	Headaches [0.94]	Neonatal [0.68]	Congenital [1.4]	Hemog [3.21]	Dermatitis [0.84]	Back Pain [1.17]	Conduct [0.87]	Diarrhea [1.0]
Sao Tome Principe	Iron [0.94]	Neonatal [1.27]	Vit A [1.29]	Headaches [1.0]	Diarrhea [1.28]	Dermatitis [0.92]	Conduct [0.97]	Anxiety [0.94]	Epilepsy [1.29]	Congenital [0.98]
Senegal	Iron [1.48]	Vit A [0.94]	Neonatal [1.48]	Diarrhea [1.28]	Headaches [1.06]	Dermatitis [0.91]	Conduct [0.97]	Congenital [0.97]	Epilepsy [1.12]	Anxiety [0.93]
Sierra Leone	Iron [1.4]	Vit A [0.94]	Malaria [4.86]	Headaches [1.11]	Neonatal [0.87]	Hemog [2.32]	Dermatitis [0.92]	Diarrhea [0.93]	Conduct [0.97]	Epilepsy [1.19]
Togo	Iron [1.16]	Vit A [1.14]	Neonatal [1.18]	Malaria [15.31]	Headaches [1.01]	Diarrhea [1.26]	Dermatitis [0.91]	Conduct [0.96]	Epilepsy [1.23]	Congenital [0.98]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Global	**Neonatal** [1.38]	**Vit A** [1.88]	**Iron** [2.11]	**Diarrhea** [1.3]	**Congenital** [0.95]	**PEM** [12.99]	**URI** [0.88]	**Epilepsy** [1.09]	**Urticaria** [0.84]	**Hemog** [2.77]
Low SDI	**Vit A** [1.15]	**Iron** [1.34]	**Neonatal** [1.28]	**Diarrhea** [0.89]	**Congenital** [1.09]	**PEM** [1.35]	**Hemog** [1.53]	**ID** [3.11]	**URI** [0.96]	**Epilepsy** [0.97]
Low-middle SDI	**Neonatal** [1.34]	**Iron** [1.73]	**Vit A** [1.16]	**Diarrhea** [1.08]	**Congenital** [1.02]	**PEM** [3.14]	**Hemog** [2.2]	**Epilepsy** [1.06]	**URI** [0.84]	**Urticaria** [0.88]
Middle SDI	**Neonatal** [1.26]	**Vit A** [1.21]	**Diarrhea** [1.26]	**Congenital** [0.83]	**Iron** [1.01]	**PEM** [13.88]	**URI** [0.91]	**Urticaria** [0.85]	**Epilepsy** [1.07]	**ASD** [0.73]
High-middle SDI	**Neonatal** [1.66]	**Diarrhea** [2.33]	**Congenital** [0.92]	**Vit A** [3.85]	**Iron** [4.22]	**URI** [0.81]	**Urticaria** [1.22]	**Other MN** [8.47]	**Epilepsy** [1.58]	**ASD** [0.76]
High SDI	**Neonatal** [0.83]	**Congenital** [0.88]	**URI** [1.14]	**Diarrhea** [0.73]	**ASD** [1.12]	**Hernia** [0.94]	**Urticaria** [0.74]	**Iron** [0.41]	**Epilepsy** [0.74]	**Vit A** [0.26]
Central Europe, Eastern Europe, and Central Asia	**Neonatal** [1.42]	**Congenital** [1.0]	**Diarrhea** [1.45]	**Iron** [2.35]	**Vit A** [1.1]	**Hernia** [1.47]	**Urticaria** [1.07]	**PEM** [76.89]	**ASD** [0.79]	**URI** [0.52]
Central Asia	**Neonatal** [1.07]	**Iron** [1.67]	**Congenital** [0.98]	**Vit A** [0.94]	**Diarrhea** [0.86]	**PEM** [18.69]	**Hernia** [2.66]	**Urticaria** [0.96]	**Epilepsy** [1.05]	**ASD** [0.84]
Armenia	**Iron** [3.88]	**Neonatal** [1.03]	**Congenital** [0.95]	**Diarrhea** [0.92]	**Hernia** [2.32]	**Urticaria** [0.98]	**Epilepsy** [1.03]	**ASD** [0.83]	**Oth NTD** [575.48]	**URI** [0.51]
Azerbaijan	**Neonatal** [1.15]	**Iron** [2.56]	**Congenital** [0.97]	**Diarrhea** [1.4]	**Vit A** [0.77]	**Hernia** [2.14]	**Urticaria** [0.98]	**Epilepsy** [1.18]	**ASD** [0.83]	**Hemog** [2.61]
Georgia	**Neonatal** [1.03]	**Congenital** [0.96]	**Diarrhea** [0.83]	**Iron** [0.72]	**Vit A** [0.54]	**Urticaria** [0.99]	**Epilepsy** [1.11]	**ASD** [0.82]	**Hernia** [1.06]	**URI** [0.37]
Kazakhstan	**Neonatal** [1.15]	**Vit A** [1.74]	**Congenital** [0.98]	**Iron** [1.32]	**Diarrhea** [0.76]	**Hernia** [1.72]	**Urticaria** [1.03]	**Epilepsy** [1.35]	**ASD** [0.8]	**URI** [0.45]
Kyrgyzstan	**Iron** [1.94]	**Neonatal** [1.01]	**Congenital** [1.01]	**Vit A** [0.74]	**Hernia** [7.15]	**Diarrhea** [0.6]	**Urticaria** [0.92]	**Epilepsy** [0.87]	**ASD** [0.9]	**Hemog** [1.6]
Mongolia	**Neonatal** [1.09]	**Vit A** [1.09]	**Congenital** [1.02]	**Diarrhea** [1.21]	**Iron** [0.58]	**Hernia** [2.65]	**Urticaria** [0.95]	**Epilepsy** [1.1]	**ASD** [0.85]	**URI** [0.37]
Tajikistan	**PEM** [11.27]	**Neonatal** [0.96]	**Vit A** [0.68]	**Diarrhea** [1.15]	**Congenital** [1.06]	**Iron** [0.62]	**Hernia** [4.96]	**Urticaria** [0.95]	**ASD** [0.95]	**Epilepsy** [0.74]
Turkmenistan	**Neonatal** [1.09]	**Congenital** [0.98]	**Iron** [1.3]	**Vit A** [0.7]	**Diarrhea** [0.73]	**Hernia** [2.16]	**Urticaria** [0.98]	**Epilepsy** [1.08]	**ASD** [0.82]	**URI** [0.37]
Uzbekistan	**Neonatal** [0.99]	**Iron** [1.57]	**Congenital** [0.98]	**Vit A** [0.6]	**Hernia** [3.2]	**Diarrhea** [0.48]	**Urticaria** [0.93]	**Epilepsy** [0.96]	**ASD** [0.87]	**PEM** [2.29]
Central Europe	**Neonatal** [1.46]	**Congenital** [1.15]	**Diarrhea** [1.72]	**Vit A** [3.35]	**Iron** [2.14]	**Hernia** [1.1]	**Urticaria** [1.18]	**ASD** [0.79]	**URI** [0.58]	**Epilepsy** [1.23]
Albania	**Neonatal** [1.26]	**Vit A** [1.72]	**Congenital** [1.11]	**Diarrhea** [0.99]	**Iron** [0.81]	**PEM** [18.58]	**Hernia** [2.46]	**Urticaria** [0.96]	**Epilepsy** [1.16]	**ASD** [0.84]
Bosnia	**Neonatal** [1.18]	**Congenital** [1.07]	**Vit A** [1.54]	**Diarrhea** [1.12]	**Iron** [0.88]	**Hernia** [2.16]	**Urticaria** [1.0]	**URI** [0.61]	**ASD** [0.82]	**Epilepsy** [0.88]
Bulgaria	**Neonatal** [1.27]	**Congenital** [1.1]	**Diarrhea** [1.63]	**Vit A** [2.56]	**Hernia** [1.47]	**Iron** [1.67]	**Urticaria** [1.12]	**URI** [0.58]	**ASD** [0.79]	**Epilepsy** [1.11]
Croatia	**Neonatal** [1.58]	**Congenital** [1.09]	**Diarrhea** [1.4]	**Hernia** [1.07]	**Urticaria** [1.21]	**Vit A** [1.32]	**URI** [0.58]	**ASD** [0.8]	**Epilepsy** [1.17]	**Blindness** [1.35]
Czech	**Neonatal** [1.07]	**Congenital** [1.19]	**Diarrhea** [1.82]	**Vit A** [2.59]	**Hernia** [1.11]	**Urticaria** [1.3]	**ASD** [0.81]	**URI** [0.58]	**Falls** [1.56]	**Epilepsy** [1.38]
Hungary	**Neonatal** [1.38]	**Congenital** [1.2]	**Diarrhea** [2.28]	**Vit A** [2.44]	**Hernia** [1.18]	**Urticaria** [1.18]	**URI** [0.58]	**ASD** [0.79]	**Epilepsy** [1.2]	**Falls** [1.53]
Macedonia	**Neonatal** [1.3]	**Vit A** [2.62]	**Congenital** [1.09]	**Diarrhea** [1.48]	**Iron** [1.79]	**Hernia** [1.78]	**Urticaria** [1.05]	**URI** [0.59]	**ASD** [0.8]	**Epilepsy** [0.89]
Montenegro	**Neonatal** [1.31]	**Congenital** [1.09]	**Vit A** [2.27]	**Iron** [2.25]	**Diarrhea** [1.0]	**Hernia** [1.52]	**Urticaria** [1.11]	**ASD** [0.79]	**URI** [0.58]	**Epilepsy** [1.08]
Poland	**Neonatal** [1.73]	**Congenital** [1.15]	**Diarrhea** [1.74]	**Vit A** [3.56]	**Urticaria** [1.28]	**Hernia** [0.75]	**ASD** [0.81]	**URI** [0.58]	**Epilepsy** [1.45]	**Iron** [1.63]
Romania	**Neonatal** [1.45]	**Vit A** [3.64]	**Congenital** [1.15]	**Diarrhea** [1.99]	**Iron** [3.66]	**Urticaria** [1.1]	**Hernia** [1.06]	**URI** [0.58]	**ASD** [0.78]	**Epilepsy** [1.17]
Serbia	**Neonatal** [1.53]	**Congenital** [1.19]	**Vit A** [2.08]	**Diarrhea** [1.04]	**Hernia** [2.22]	**Iron** [1.07]	**Urticaria** [1.04]	**URI** [0.59]	**ASD** [0.81]	**Falls** [1.95]
Slovakia	**Neonatal** [1.16]	**Congenital** [1.26]	**Diarrhea** [1.97]	**Vit A** [3.78]	**Hernia** [1.12]	**Urticaria** [1.26]	**ASD** [0.81]	**URI** [0.58]	**Epilepsy** [1.37]	**Falls** [1.42]
Slovenia	**Neonatal** [1.25]	**Congenital** [1.17]	**Diarrhea** [1.87]	**Vit A** [3.38]	**Hernia** [1.0]	**Iron** [3.33]	**Urticaria** [1.34]	**ASD** [0.82]	**URI** [0.58]	**Falls** [1.34]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Eastern Europe	Neonatal [1.65]	Diarrhea [1.8]	Congenital [0.96]	Iron [2.47]	Hernia [1.15]	Urticaria [1.12]	URI [0.63]	ASD [0.78]	Falls [1.67]	Epilepsy [0.68]
Belarus	Neonatal [1.52]	Congenital [0.95]	Diarrhea [1.06]	Iron [1.36]	Hernia [1.18]	Urticaria [1.09]	URI [0.62]	ASD [0.79]	Falls [1.83]	Epilepsy [0.69]
Estonia	Neonatal [1.79]	Diarrhea [2.52]	Congenital [1.03]	Iron [3.58]	Urticaria [1.35]	Hernia [0.83]	URI [0.61]	ASD [0.81]	Falls [1.26]	Other MN [6.85]
Latvia	Neonatal [1.54]	Diarrhea [1.95]	Congenital [0.92]	Iron [2.92]	Hernia [0.96]	Urticaria [1.21]	URI [0.61]	ASD [0.78]	Falls [1.51]	Epilepsy [0.74]
Lithuania	Neonatal [1.78]	Congenital [1.12]	Diarrhea [1.96]	Iron [3.58]	Urticaria [1.27]	URI [0.61]	Hernia [0.69]	ASD [0.79]	Falls [1.38]	Epilepsy [0.86]
Moldova	Neonatal [1.53]	Iron [1.68]	Congenital [0.97]	Diarrhea [1.23]	Hernia [1.97]	Urticaria [0.96]	URI [0.65]	ASD [0.84]	Falls [3.69]	Whooping [1.79]
Russian Federation	Neonatal [1.67]	Diarrhea [2.13]	Congenital [0.95]	Iron [2.55]	Hernia [1.1]	Urticaria [1.13]	URI [0.63]	ASD [0.78]	Falls [1.64]	PEM [72.55]
Ukraine	Neonatal [1.56]	Congenital [0.98]	Iron [1.78]	Diarrhea [0.74]	Hernia [1.52]	Urticaria [1.04]	URI [0.64]	ASD [0.8]	Whooping [2.93]	Falls [2.0]
High-income	Neonatal [0.98]	Congenital [0.97]	Diarrhea [1.12]	URI [1.14]	ASD [1.16]	Hernia [0.71]	Iron [2.2]	Urticaria [0.91]	Epilepsy [1.02]	Vit A [0.93]
Australasia	Neonatal [0.93]	Congenital [0.81]	Hernia [1.69]	URI [1.03]	Diarrhea [1.01]	ASD [1.05]	Urticaria [1.19]	Falls [1.21]	Other MN [2.97]	Med Treat [7.76]
Australia	Neonatal [0.91]	Congenital [0.81]	Hernia [1.71]	URI [1.03]	Diarrhea [1.07]	ASD [1.05]	Urticaria [1.21]	Falls [1.21]	Other MN [2.94]	Epilepsy [0.59]
New Zealand	Neonatal [1.04]	Congenital [0.81]	Hernia [1.63]	URI [1.04]	Diarrhea [0.73]	ASD [1.01]	Urticaria [1.09]	Falls [1.22]	Med Treat [10.67]	Epilepsy [0.53]
High-income Asia Pacific	Neonatal [1.19]	Congenital [1.0]	URI [1.06]	ASD [1.3]	Iron [3.67]	Vit A [1.88]	Urticaria [1.09]	Diarrhea [0.56]	Hernia [0.57]	Falls [0.91]
Brunei	Neonatal [1.23]	Congenital [0.85]	Iron [5.55]	URI [1.03]	ASD [1.19]	Diarrhea [0.57]	Urticaria [1.02]	Hernia [0.55]	Falls [1.22]	Epilepsy [0.84]
Japan	Neonatal [1.15]	Congenital [1.08]	URI [1.06]	ASD [1.38]	Vit A [1.94]	Urticaria [1.08]	Hernia [0.6]	PEM [1095.99]	Diarrhea [0.5]	Iron [1.92]
Aichi	Neonatal [1.22]	Congenital [1.04]	ASD [2.04]	URI [1.07]	Urticaria [1.12]	Vit A [1.82]	Diarrhea [0.56]	PEM [1561.09]	Hernia [0.57]	Endocrine [2.75]
Akita	Neonatal [1.2]	Congenital [1.07]	URI [1.05]	ASD [1.31]	Vit A [1.42]	PEM [510.96]	Urticaria [0.96]	Diarrhea [0.48]	Hernia [0.67]	Endocrine [2.5]
Aomori	Neonatal [1.11]	Congenital [0.99]	URI [1.05]	ASD [1.31]	Vit A [1.56]	Urticaria [0.95]	Diarrhea [0.47]	Hernia [0.68]	PEM [325.05]	Endocrine [2.53]
Chiba	Neonatal [1.14]	Congenital [1.07]	URI [1.06]	ASD [1.36]	Vit A [1.71]	Urticaria [1.06]	Hernia [0.62]	Iron [2.15]	Diarrhea [0.48]	Endocrine [2.73]
Ehime	Neonatal [0.9]	Congenital [0.99]	URI [1.06]	ASD [1.34]	Vit A [1.36]	Urticaria [0.99]	PEM [560.25]	Hernia [0.65]	Diarrhea [0.45]	Endocrine [2.34]
Fukui	Neonatal [1.12]	Congenital [1.02]	URI [1.05]	ASD [1.35]	Vit A [2.27]	Iron [2.99]	PEM [916.53]	Urticaria [1.03]	Diarrhea [0.54]	Hernia [0.62]
Fukuoka	Neonatal [1.12]	Congenital [1.01]	URI [1.06]	ASD [0.99]	PEM [1118.32]	Vit A [1.75]	Urticaria [1.04]	Hernia [0.62]	Diarrhea [0.52]	Endocrine [2.66]
Fukushima	Neonatal [1.0]	Congenital [1.21]	URI [1.05]	ASD [1.32]	Iron [2.49]	Urticaria [0.96]	Hernia [0.66]	Diarrhea [0.46]	Vit A [1.04]	PEM [356.49]
Gifu	Neonatal [1.16]	Congenital [0.92]	URI [1.06]	ASD [1.34]	Urticaria [1.02]	PEM [820.09]	Diarrhea [0.53]	Hernia [0.63]	Vit A [1.3]	Endocrine [2.75]
Gunma	Neonatal [1.08]	Congenital [1.06]	URI [1.06]	ASD [1.34]	Vit A [2.31]	Iron [2.31]	Urticaria [1.02]	Hernia [0.62]	Diarrhea [0.5]	Endocrine [3.0]
Hiroshima	Neonatal [1.21]	Congenital [1.0]	URI [1.06]	ASD [1.36]	Vit A [2.13]	Urticaria [1.08]	Hernia [0.6]	Diarrhea [0.51]	Iron [2.02]	PEM [963.23]
Hokkaido	Neonatal [1.07]	Congenital [1.02]	Iron [3.54]	URI [1.05]	ASD [1.32]	Urticaria [0.99]	Vit A [1.33]	Hernia [0.65]	Diarrhea [0.48]	PEM [451.28]
Hyogo	Neonatal [1.16]	Congenital [0.88]	URI [1.06]	ASD [1.35]	PEM [1310.21]	Urticaria [1.06]	Vit A [1.56]	Hernia [0.61]	Diarrhea [0.5]	Endocrine [2.49]
Ibaraki	Neonatal [1.19]	Congenital [1.18]	URI [1.06]	ASD [1.08]	Vit A [1.57]	Urticaria [1.02]	Iron [2.21]	Hernia [0.62]	Diarrhea [0.43]	Endocrine [2.7]
Ishikawa	Neonatal [1.1]	Congenital [0.99]	URI [1.06]	ASD [1.34]	Vit A [2.1]	Urticaria [1.04]	Diarrhea [0.55]	Hernia [0.62]	PEM [830.61]	Endocrine [2.49]
Iwate	Neonatal [1.15]	Congenital [1.19]	URI [1.05]	ASD [1.31]	Vit A [1.76]	PEM [444.01]	Iron [1.81]	Urticaria [0.95]	Diarrhea [0.47]	Hernia [0.68]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Kagawa	Neonatal [1.07]	Congenital [0.99]	URI [1.06]	ASD [1.34]	Vit A [2.18]	PEM [909.59]	Urticaria [1.03]	Diarrhea [0.55]	Hernia [0.62]	Endocrine [2.52]
Kagoshima	Neonatal [0.93]	Congenital [1.17]	URI [1.05]	ASD [1.32]	Vit A [1.68]	Urticaria [0.97]	Hernia [0.68]	PEM [406.36]	Diarrhea [0.46]	Iron [1.5]
Kanagawa	Neonatal [1.24]	Congenital [1.14]	ASD [1.65]	URI [1.07]	Urticaria [1.12]	PEM [1641.01]	Hernia [0.59]	Vit A [1.68]	Diarrhea [0.47]	Endocrine [2.63]
Kochi	Neonatal [0.99]	Congenital [0.96]	URI [1.05]	ASD [1.32]	Vit A [1.32]	Iron [1.7]	Urticaria [0.95]	Hernia [0.7]	Diarrhea [0.46]	PEM [329.34]
Kumamoto	Neonatal [0.98]	Congenital [0.96]	URI [1.05]	ASD [1.32]	Vit A [1.79]	Iron [2.05]	Urticaria [0.96]	Diarrhea [0.49]	PEM [419.28]	Hernia [0.67]
Kyoto	Neonatal [1.24]	Congenital [1.27]	URI [1.07]	ASD [1.38]	PEM [1878.54]	Urticaria [1.12]	Iron [2.8]	Hernia [0.58]	Diarrhea [0.55]	Vit A [1.62]
Mie	Neonatal [1.18]	Congenital [1.02]	URI [1.06]	ASD [1.34]	Vit A [1.6]	Urticaria [1.04]	PEM [960.41]	Diarrhea [0.56]	Hernia [0.6]	Iron [2.09]
Miyagi	Neonatal [1.07]	Congenital [1.15]	URI [1.06]	ASD [1.34]	Vit A [2.01]	Urticaria [1.02]	Hernia [0.63]	Iron [1.93]	Diarrhea [0.49]	PEM [598.38]
Miyazaki	Neonatal [0.97]	Congenital [1.01]	URI [1.05]	ASD [1.32]	Iron [1.73]	Urticaria [0.95]	PEM [365.64]	Hernia [0.69]	Vit A [0.91]	Diarrhea [0.4]
Nagano	Neonatal [1.19]	Congenital [0.97]	URI [1.06]	ASD [1.34]	Vit A [2.14]	Iron [2.8]	PEM [917.24]	Urticaria [1.02]	Hernia [0.62]	Diarrhea [0.51]
Nagasaki	Neonatal [0.97]	Congenital [1.22]	Vit A [2.26]	URI [1.05]	ASD [1.31]	Urticaria [0.95]	Hernia [0.69]	Iron [1.44]	Diarrhea [0.44]	PEM [285.74]
Nara	Neonatal [1.0]	Congenital [1.29]	URI [1.06]	Vit A [2.68]	ASD [1.34]	PEM [881.24]	Urticaria [1.02]	Hernia [0.65]	Diarrhea [0.49]	Endocrine [2.5]
Niigata	Neonatal [1.13]	Congenital [1.05]	URI [1.05]	ASD [1.33]	PEM [819.75]	Vit A [1.63]	Urticaria [1.01]	Hernia [0.63]	Diarrhea [0.46]	Iron [1.66]
Oita	Neonatal [1.19]	Congenital [0.92]	URI [1.06]	Vit A [2.49]	ASD [1.34]	PEM [854.75]	Urticaria [1.01]	Diarrhea [0.54]	Hernia [0.63]	Iron [1.77]
Okayama	Neonatal [1.22]	Congenital [1.04]	URI [1.06]	ASD [1.34]	Vit A [1.75]	Urticaria [1.04]	Hernia [0.61]	Diarrhea [0.49]	Endocrine [2.47]	Falls [0.86]
Okinawa	Neonatal [1.01]	Congenital [0.93]	Vit A [2.03]	URI [1.05]	ASD [1.31]	PEM [399.73]	Urticaria [0.94]	Hernia [0.71]	Diarrhea [0.43]	Iron [1.06]
Osaka	Neonatal [1.1]	Congenital [1.09]	URI [1.06]	ASD [1.01]	Vit A [2.08]	Urticaria [1.09]	Hernia [0.58]	PEM [1319.04]	Diarrhea [0.49]	Iron [2.13]
Saga	Neonatal [1.03]	Congenital [0.94]	Vit A [2.52]	URI [1.05]	ASD [1.31]	Urticaria [0.98]	Hernia [0.66]	Iron [1.7]	Diarrhea [0.46]	PEM [413.13]
Saitama	Neonatal [1.1]	Congenital [1.01]	URI [1.06]	ASD [1.35]	Urticaria [1.03]	Vit A [1.5]	Hernia [0.65]	Diarrhea [0.46]	PEM [596.33]	Iron [1.43]
Shiga	Neonatal [1.09]	Congenital [1.1]	URI [1.07]	ASD [1.38]	Vit A [2.6]	Urticaria [1.09]	Iron [2.67]	Hernia [0.58]	Diarrhea [0.51]	PEM [1003.92]
Shimane	Neonatal [1.0]	Congenital [1.02]	URI [1.05]	Iron [3.03]	ASD [1.32]	Urticaria [0.96]	PEM [438.88]	Hernia [0.67]	Vit A [1.1]	Diarrhea [0.45]
Shizuoka	Neonatal [1.27]	Congenital [0.97]	Iron [5.34]	URI [1.06]	ASD [1.36]	Vit A [1.75]	Urticaria [1.06]	PEM [1039.59]	Hernia [0.6]	Diarrhea [0.49]
Tochigi	Neonatal [1.21]	Congenital [1.31]	Iron [4.45]	URI [1.06]	ASD [1.34]	Urticaria [1.04]	Hernia [0.61]	Diarrhea [0.46]	Endocrine [2.84]	Vit A [1.0]
Tokushima	Neonatal [1.13]	Congenital [0.99]	Vit A [2.74]	URI [1.05]	ASD [1.33]	PEM [904.8]	Urticaria [1.01]	Iron [2.09]	Diarrhea [0.5]	Hernia [0.63]
Tokyo	Neonatal [1.32]	Congenital [1.31]	URI [1.11]	ASD [1.48]	Urticaria [1.34]	Hernia [0.49]	Vit A [2.71]	Diarrhea [0.59]	PEM [4861.74]	Other MN [4.25]
Tottori	Neonatal [1.13]	Congenital [1.09]	URI [1.05]	ASD [1.33]	Vit A [1.67]	Iron [2.21]	PEM [576.67]	Urticaria [0.98]	Hernia [0.67]	Diarrhea [0.47]
Toyama	Neonatal [1.1]	Congenital [1.06]	URI [1.06]	ASD [1.36]	Vit A [1.74]	Urticaria [1.06]	PEM [1036.11]	Hernia [0.6]	Diarrhea [0.46]	Other MN [5.18]
Wakayama	Neonatal [1.16]	Congenital [0.89]	Vit A [2.83]	URI [1.05]	ASD [1.33]	PEM [659.98]	Urticaria [0.99]	Hernia [0.65]	Iron [1.71]	Diarrhea [0.46]
Yamagata	Neonatal [0.92]	Congenital [0.93]	Vit A [2.82]	URI [1.05]	ASD [1.31]	Urticaria [0.97]	PEM [429.44]	Diarrhea [0.47]	Hernia [0.67]	Endocrine [2.39]
Yamaguchi	Neonatal [0.98]	Congenital [0.93]	URI [1.05]	Iron [3.86]	ASD [1.34]	Vit A [1.83]	PEM [867.18]	Urticaria [1.02]	Hernia [0.62]	Diarrhea [0.49]
Yamanashi	Neonatal [1.28]	Congenital [1.21]	URI [1.06]	ASD [1.34]	Vit A [2.24]	Urticaria [1.04]	Hernia [0.61]	Diarrhea [0.48]	PEM [678.32]	Falls [0.87]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
S Korea	Neonatal [1.23]	Congenital [0.84]	Iron [6.39]	URI [1.04]	ASD [1.12]	Diarrhea [0.65]	Urticaria [1.08]	Vit A [1.64]	Hernia [0.54]	Falls [1.07]
Singapore	Neonatal [1.21]	Iron [9.47]	Congenital [0.7]	URI [1.03]	ASD [1.21]	Urticaria [1.07]	Diarrhea [0.56]	Hernia [0.53]	Falls [1.06]	Vit A [1.1]
High-income North America	Neonatal [1.0]	Congenital [1.0]	URI [1.22]	ASD [1.28]	Diarrhea [0.69]	Urticaria [1.12]	Iron [1.98]	Epilepsy [1.17]	Oth Neuro [1.66]	ID [2.18]
Canada	Neonatal [0.7]	Congenital [0.93]	URI [1.17]	ASD [1.58]	Diarrhea [0.84]	Urticaria [1.16]	Vit A [0.94]	Epilepsy [0.79]	Other MN [3.0]	Whooping [1.89]
Greenland	Neonatal [0.67]	Congenital [0.88]	URI [1.19]	ASD [1.27]	Diarrhea [0.56]	Iron [0.69]	Urticaria [0.86]	Vit A [0.37]	Epilepsy [0.89]	Falls [0.96]
USA	Neonatal [1.02]	Congenital [1.0]	URI [1.22]	ASD [1.25]	Diarrhea [0.66]	Urticaria [1.11]	Iron [1.98]	Epilepsy [1.19]	Oth Neuro [1.68]	ID [2.14]
Alabama	Neonatal [0.96]	Congenital [0.78]	URI [1.21]	Diarrhea [0.69]	ASD [0.78]	Urticaria [0.9]	Iron [1.47]	Epilepsy [1.08]	Vit A [0.51]	ID [2.63]
Alaska	Neonatal [0.9]	Congenital [1.13]	URI [1.22]	ASD [1.17]	Diarrhea [0.65]	Urticaria [0.96]	Epilepsy [0.83]	Iron [1.13]	Falls [0.49]	Whooping [1.71]
Arizona	Neonatal [0.95]	Congenital [0.96]	URI [1.21]	ASD [1.26]	Diarrhea [0.61]	Urticaria [1.05]	Iron [2.1]	Epilepsy [0.99]	Vit A [0.43]	Whooping [1.6]
Arkansas	Neonatal [0.84]	Congenital [0.8]	URI [1.2]	ASD [1.22]	Diarrhea [0.56]	Urticaria [0.83]	Epilepsy [0.96]	Iron [0.89]	ID [2.01]	Oth Neuro [1.37]
California	Neonatal [0.9]	Congenital [0.93]	URI [1.22]	ASD [1.45]	Urticaria [1.11]	Diarrhea [0.58]	Epilepsy [1.22]	Iron [1.9]	Oth Neuro [1.72]	Med Treat [6.44]
Colorado	Neonatal [1.02]	Congenital [1.04]	URI [1.23]	ASD [1.11]	Diarrhea [0.66]	Urticaria [1.13]	Epilepsy [1.13]	Iron [1.91]	Falls [0.45]	Oth Neuro [1.59]
Connecticut	Neonatal [1.27]	Congenital [1.05]	URI [1.25]	ASD [1.24]	Diarrhea [0.87]	Urticaria [1.41]	Epilepsy [1.43]	Oth Neuro [2.02]	Iron [1.28]	Oth Skin [1.24]
Delaware	Neonatal [1.07]	Congenital [1.06]	URI [1.22]	ASD [1.19]	Diarrhea [0.85]	Urticaria [1.19]	Epilepsy [1.54]	Iron [1.51]	Oth Neuro [2.17]	ID [2.3]
DC	Neonatal [1.03]	Congenital [1.11]	URI [1.23]	Diarrhea [0.94]	ASD [1.19]	Urticaria [1.18]	Epilepsy [0.99]	Iron [1.28]	Oth Skin [1.27]	Falls [0.37]
Florida	Neonatal [1.11]	Congenital [1.0]	URI [1.22]	Diarrhea [0.7]	Iron [2.91]	Urticaria [1.16]	ASD [0.86]	Epilepsy [1.19]	Oth Neuro [1.69]	ID [2.43]
Georgia	Neonatal [0.95]	Congenital [0.88]	URI [1.21]	ASD [1.17]	Diarrhea [0.63]	Urticaria [1.04]	Epilepsy [1.24]	Iron [0.92]	Oth Neuro [1.76]	Vit A [0.49]
Hawaii	Neonatal [0.91]	Congenital [0.96]	URI [1.22]	ASD [1.18]	Urticaria [1.32]	Diarrhea [0.58]	Iron [2.48]	Epilepsy [1.0]	Other MN [2.49]	ID [2.15]
Idaho	Neonatal [0.79]	Congenital [0.83]	URI [1.21]	ASD [1.14]	Diarrhea [0.55]	Urticaria [0.81]	Iron [1.56]	Epilepsy [0.87]	ID [2.32]	Whooping [1.52]
Illinois	Neonatal [1.18]	Congenital [1.1]	URI [1.22]	ASD [1.19]	Diarrhea [0.73]	Urticaria [1.2]	Epilepsy [1.24]	Iron [1.9]	Oth Neuro [1.76]	ID [2.41]
Indiana	Neonatal [0.97]	Congenital [1.07]	URI [1.21]	ASD [1.15]	Diarrhea [0.7]	Urticaria [0.96]	Epilepsy [1.22]	Iron [1.28]	Oth Neuro [1.73]	Med Treat [6.73]
Iowa	Neonatal [0.91]	Congenital [0.96]	URI [1.22]	ASD [1.18]	Urticaria [1.11]	Diarrhea [0.61]	Iron [1.44]	Epilepsy [0.79]	ID [2.32]	Whooping [1.6]
Kansas	Neonatal [1.02]	Congenital [0.91]	URI [1.22]	ASD [1.17]	Diarrhea [0.65]	Urticaria [1.07]	Iron [1.84]	Epilepsy [1.09]	ID [2.26]	Oth Neuro [1.55]
Kentucky	Neonatal [0.97]	Congenital [0.92]	URI [1.21]	ASD [1.13]	Diarrhea [0.57]	Urticaria [0.98]	Epilepsy [1.21]	Iron [1.17]	Oth Neuro [1.72]	Vit A [0.41]
Louisiana	Neonatal [0.91]	Congenital [0.93]	URI [1.21]	Urticaria [1.07]	Diarrhea [0.57]	ASD [0.79]	Epilepsy [1.19]	Iron [1.11]	Oth Neuro [1.69]	ID [2.15]
Maine	Neonatal [1.04]	Congenital [1.01]	URI [1.22]	Diarrhea [0.89]	ASD [1.18]	Urticaria [1.09]	Epilepsy [1.13]	Iron [1.29]	ID [2.48]	Oth Neuro [1.61]
Maryland	Neonatal [1.2]	Congenital [1.07]	URI [1.23]	ASD [1.33]	Diarrhea [0.84]	Urticaria [1.26]	Epilepsy [1.29]	Iron [1.92]	Oth Neuro [1.82]	Falls [0.4]
Massachusetts	Neonatal [1.26]	Congenital [1.17]	URI [1.26]	ASD [1.66]	Diarrhea [0.89]	Urticaria [1.48]	Epilepsy [1.51]	Med Treat [7.98]	Oth Neuro [2.13]	Oth Skin [1.42]
Michigan	Neonatal [1.02]	Congenital [1.14]	URI [1.22]	ASD [1.17]	Diarrhea [0.7]	Urticaria [1.16]	Iron [2.17]	Epilepsy [1.24]	Whooping [2.11]	Med Treat [7.71]
Minnesota	Neonatal [1.07]	Congenital [1.13]	URI [1.24]	ASD [1.42]	Urticaria [1.28]	Diarrhea [0.7]	Iron [3.24]	Epilepsy [1.08]	Med Treat [7.28]	Other MN [2.21]
Mississippi	Neonatal [0.87]	Congenital [0.75]	URI [1.2]	ASD [1.12]	Diarrhea [0.6]	Urticaria [0.85]	Epilepsy [0.91]	ID [2.29]	Oth Neuro [1.29]	Iron [0.43]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Missouri	Neonatal [0.99]	Congenital [1.02]	URI [1.21]	ASD [1.22]	Diarrhea [0.68]	Urticaria [0.97]	Iron [1.95]	Epilepsy [1.08]	Vit A [0.54]	Oth Neuro [1.53]
Montana	Neonatal [1.0]	Congenital [0.86]	URI [1.22]	ASD [1.17]	Diarrhea [0.61]	Urticaria [0.87]	Iron [2.04]	Epilepsy [1.15]	Vit A [0.66]	ID [2.5]
Nebraska	Neonatal [0.93]	Congenital [1.0]	URI [1.22]	ASD [1.19]	Urticaria [1.18]	Diarrhea [0.61]	Iron [1.94]	Epilepsy [0.9]	ID [2.33]	Oth Skin [1.04]
Nevada	Neonatal [0.95]	Congenital [0.8]	URI [1.21]	ASD [1.15]	Diarrhea [0.59]	Urticaria [1.0]	Epilepsy [1.12]	Iron [1.46]	ID [2.4]	Oth Neuro [1.59]
New Hampshire	Neonatal [1.04]	Congenital [1.03]	URI [1.25]	ASD [1.24]	Diarrhea [0.96]	Urticaria [1.19]	Epilepsy [1.22]	Iron [2.52]	ID [2.62]	Oth Neuro [1.73]
New Jersey	Neonatal [1.17]	Congenital [1.27]	URI [1.24]	ASD [1.79]	Diarrhea [0.8]	Urticaria [1.33]	Epilepsy [1.54]	Iron [1.75]	Oth Neuro [2.17]	Oth Skin [1.29]
New Mexico	Neonatal [1.04]	Congenital [0.97]	URI [1.21]	ASD [1.13]	Diarrhea [0.6]	Urticaria [0.93]	Iron [1.46]	Epilepsy [1.19]	Oth Neuro [1.69]	ID [2.16]
New York	Neonatal [1.21]	Congenital [1.32]	URI [1.24]	Urticaria [1.28]	Diarrhea [0.72]	ASD [0.87]	Epilepsy [1.5]	Oth Neuro [2.11]	Iron [1.13]	Oth Skin [1.28]
N Carolina	Neonatal [0.96]	Congenital [0.99]	URI [1.21]	ASD [1.34]	Diarrhea [0.68]	Urticaria [1.11]	Iron [1.88]	Epilepsy [1.02]	Vit A [0.46]	Oth Neuro [1.45]
N Dakota	Neonatal [1.04]	Congenital [1.33]	URI [1.23]	ASD [1.19]	Diarrhea [0.63]	Urticaria [0.99]	Iron [2.52]	Epilepsy [0.97]	Other MN [2.1]	Oth Skin [1.08]
Ohio	Neonatal [1.0]	Congenital [1.12]	URI [1.22]	ASD [1.16]	Diarrhea [0.74]	Urticaria [1.09]	Epilepsy [1.33]	Iron [1.85]	Oth Neuro [1.88]	Oth Skin [1.09]
Oklahoma	Neonatal [0.92]	Congenital [0.93]	URI [1.21]	ASD [1.14]	Diarrhea [0.64]	Urticaria [0.93]	Epilepsy [1.16]	Iron [1.29]	Oth Neuro [1.65]	Med Treat [6.97]
Oregon	Neonatal [0.88]	Congenital [0.93]	URI [1.22]	Iron [4.36]	ASD [1.18]	Diarrhea [0.64]	Urticaria [1.07]	Epilepsy [1.08]	Vit A [0.75]	Med Treat [7.42]
Pennsylvania	Neonatal [1.06]	Congenital [1.18]	URI [1.23]	ASD [1.08]	Diarrhea [0.77]	Iron [3.36]	Urticaria [1.14]	Epilepsy [1.37]	Oth Neuro [1.93]	Vit A [0.64]
Rhode Island	Neonatal [1.02]	Congenital [1.01]	URI [1.23]	Diarrhea [0.95]	ASD [1.21]	Urticaria [1.24]	Epilepsy [1.32]	Iron [2.18]	Oth Neuro [1.86]	Oth Skin [1.17]
S Carolina	Neonatal [0.91]	Congenital [0.93]	URI [1.21]	ASD [0.98]	Diarrhea [0.63]	Urticaria [1.13]	Epilepsy [1.01]	Iron [1.25]	ID [2.54]	Oth Skin [1.23]
S Dakota	Neonatal [0.85]	Congenital [0.98]	URI [1.22]	ASD [1.16]	Diarrhea [0.63]	Urticaria [0.93]	Iron [1.8]	Epilepsy [0.97]	ID [2.23]	Vit A [0.45]
Tennessee	Neonatal [0.91]	Congenital [0.83]	URI [1.2]	ASD [1.48]	Diarrhea [0.62]	Urticaria [0.99]	Iron [1.42]	Epilepsy [1.03]	Vit A [0.47]	Oth Neuro [1.46]
Texas	Neonatal [1.04]	Congenital [0.86]	URI [1.21]	ASD [1.6]	Iron [2.45]	Urticaria [1.02]	Diarrhea [0.53]	Epilepsy [1.12]	Oth Neuro [1.58]	Med Treat [6.86]
Utah	Neonatal [0.88]	Congenital [0.87]	ASD [1.92]	URI [1.22]	Diarrhea [0.57]	Iron [2.21]	Urticaria [0.94]	Epilepsy [0.87]	Med Treat [7.53]	Other MN [2.82]
Vermont	Neonatal [1.08]	Congenital [0.98]	URI [1.24]	ASD [1.22]	Diarrhea [0.88]	Iron [3.23]	Urticaria [1.02]	Epilepsy [1.0]	ID [2.45]	Falls [0.37]
Virginia	Neonatal [1.14]	Congenital [0.9]	URI [1.23]	ASD [1.2]	Diarrhea [0.79]	Urticaria [1.26]	Epilepsy [1.32]	Iron [1.93]	Med Treat [7.4]	Oth Neuro [1.87]
Washington	Neonatal [0.96]	Congenital [1.01]	URI [1.23]	ASD [1.2]	Urticaria [1.25]	Diarrhea [0.69]	Iron [2.39]	Epilepsy [1.08]	Oth Skin [1.21]	Falls [0.4]
W Virginia	Neonatal [0.97]	Congenital [0.84]	URI [1.2]	Diarrhea [0.66]	ASD [0.85]	Urticaria [0.9]	Iron [1.51]	Epilepsy [1.29]	Oth Neuro [1.83]	ID [2.3]
Wisconsin	Neonatal [1.06]	Congenital [1.07]	URI [1.23]	ASD [1.07]	Diarrhea [0.64]	Urticaria [1.13]	Iron [2.62]	Epilepsy [1.15]	Blindness [1.28]	Falls [0.44]
Wyoming	Neonatal [0.86]	Congenital [1.01]	URI [1.22]	ASD [1.17]	Iron [3.71]	Diarrhea [0.63]	Urticaria [0.87]	Epilepsy [1.09]	Whooping [2.06]	ID [2.28]
Southern Latin America	Neonatal [0.93]	Diarrhea [2.35]	Congenital [0.78]	Iron [1.41]	Vit A [0.66]	Hernia [1.99]	URI [0.9]	ASD [1.08]	PEM [25.19]	Urticaria [0.78]
Argentina	Diarrhea [2.36]	Neonatal [0.88]	Congenital [0.79]	Iron [1.42]	Hernia [2.1]	Vit A [0.57]	PEM [27.55]	URI [0.9]	ASD [1.08]	Urticaria [0.77]
Chile	Neonatal [1.07]	Diarrhea [2.41]	Congenital [0.77]	Vit A [0.97]	Iron [1.25]	Hernia [1.69]	URI [0.89]	ASD [1.07]	Epilepsy [1.43]	Urticaria [0.81]
Uruguay	Neonatal [0.96]	Diarrhea [1.72]	Iron [1.67]	Congenital [0.76]	Vit A [0.71]	Hernia [2.16]	URI [0.91]	ASD [1.09]	Urticaria [0.77]	Epilepsy [0.83]
Western Europe	Neonatal [0.91]	Congenital [1.01]	Diarrhea [1.17]	URI [1.19]	Hernia [1.11]	ASD [1.04]	Epilepsy [1.08]	Urticaria [0.66]	Iron [1.33]	Falls [0.84]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Andorra	Neonatal [1.02]	Congenital [1.11]	URI [1.21]	Diarrhea [1.26]	Hernia [0.91]	ASD [1.09]	Urticaria [0.79]	Epilepsy [1.06]	Falls [0.72]	Otitis [1.3]
Austria	Neonatal [1.43]	Congenital [1.05]	Hernia [1.99]	Diarrhea [1.75]	URI [1.19]	ASD [1.04]	Urticaria [0.7]	Falls [0.86]	Epilepsy [0.89]	Vit A [0.86]
Belgium	Congenital [1.08]	Neonatal [0.71]	Diarrhea [1.4]	URI [1.19]	Hernia [1.24]	ASD [1.06]	Epilepsy [1.36]	Urticaria [0.75]	Falls [0.85]	Otitis [1.3]
Cyprus	Neonatal [1.15]	Congenital [1.04]	Hernia [2.11]	Diarrhea [1.33]	URI [1.19]	ASD [1.04]	Urticaria [0.7]	Falls [0.79]	Epilepsy [0.86]	Vit A [0.85]
Denmark	Congenital [1.23]	Neonatal [0.84]	Diarrhea [2.3]	URI [1.22]	ASD [1.3]	Hernia [0.56]	Urticaria [0.91]	Iron [2.73]	Falls [0.68]	Epilepsy [1.04]
Finland	Neonatal [1.93]	Congenital [1.16]	Diarrhea [1.89]	URI [1.2]	Hernia [0.93]	ASD [1.09]	Urticaria [0.77]	Otitis [1.83]	Falls [0.82]	Epilepsy [1.07]
France	Neonatal [0.76]	Congenital [1.02]	URI [1.18]	Hernia [1.07]	Diarrhea [0.89]	ASD [0.97]	Urticaria [0.73]	Epilepsy [1.02]	Falls [0.86]	Otitis [1.28]
Germany	Neonatal [1.15]	Congenital [0.99]	Diarrhea [1.88]	Hernia [1.56]	URI [1.18]	Epilepsy [2.3]	ASD [1.05]	Urticaria [0.72]	Oth Neuro [3.23]	Falls [0.83]
Greece	Neonatal [0.85]	Congenital [0.95]	URI [1.17]	Diarrhea [0.88]	Hernia [1.25]	ASD [1.01]	Iron [1.13]	Vit A [0.67]	Urticaria [0.59]	Otitis [1.57]
Iceland	Neonatal [1.03]	Congenital [1.01]	Diarrhea [1.41]	URI [1.2]	ASD [1.06]	Urticaria [0.8]	Hernia [0.31]	Falls [0.71]	Epilepsy [0.99]	Vit A [1.27]
Ireland	Neonatal [0.86]	Congenital [1.1]	URI [1.19]	Diarrhea [1.08]	Hernia [1.0]	ASD [1.13]	Falls [0.99]	Urticaria [0.73]	Vit A [1.26]	Epilepsy [1.04]
Israel	Neonatal [0.9]	Congenital [0.95]	URI [1.17]	Hernia [1.18]	Diarrhea [0.72]	ASD [0.94]	Blindness [3.55]	Vit A [0.95]	Urticaria [0.58]	Iron [0.78]
Italy	Congenital [0.98]	Neonatal [0.67]	URI [1.18]	Hernia [1.14]	Diarrhea [0.73]	ASD [1.03]	Vit A [1.59]	Urticaria [0.49]	Epilepsy [0.74]	Falls [0.73]
Luxembourg	Neonatal [1.36]	Congenital [1.14]	Hernia [1.67]	Diarrhea [1.72]	URI [1.22]	ASD [1.11]	Urticaria [0.84]	Epilepsy [1.26]	Falls [0.68]	Otitis [1.32]
Malta	Congenital [1.15]	Neonatal [0.72]	Hernia [1.97]	URI [1.17]	ASD [1.03]	Diarrhea [0.63]	Falls [1.24]	Urticaria [0.63]	Vit A [0.78]	Epilepsy [0.74]
Netherlands	Neonatal [1.04]	Congenital [1.12]	URI [1.21]	Hernia [0.9]	ASD [1.22]	Diarrhea [0.99]	Urticaria [0.82]	Vit A [1.55]	Falls [0.68]	Epilepsy [1.04]
Norway	Neonatal [1.23]	Congenital [1.43]	URI [1.25]	ASD [1.04]	Hernia [0.47]	Urticaria [0.82]	Falls [0.78]	Other MN [4.21]	Epilepsy [1.18]	Diarrhea [0.35]
Portugal	Neonatal [0.56]	Congenital [0.77]	URI [1.17]	Diarrhea [0.65]	Vit A [0.92]	ASD [1.0]	Hernia [1.06]	Iron [0.66]	Urticaria [0.54]	Otitis [1.23]
Spain	Neonatal [0.72]	Congenital [0.88]	URI [1.17]	Diarrhea [0.81]	Hernia [1.17]	ASD [1.01]	Iron [1.73]	ID [5.51]	Urticaria [0.6]	Falls [0.94]
Sweden	Congenital [1.32]	Neonatal [0.87]	Diarrhea [1.65]	URI [1.22]	ASD [1.17]	Hernia [0.51]	Urticaria [0.82]	Falls [0.77]	Iron [1.65]	Vit A [1.05]
Stockholm	Congenital [1.42]	Neonatal [0.87]	Diarrhea [1.83]	URI [1.25]	ASD [1.53]	Iron [5.72]	Vit A [2.6]	Hernia [0.46]	Urticaria [0.91]	Falls [0.68]
Sweden w/o Stockholm	Congenital [1.29]	Neonatal [0.87]	Diarrhea [1.59]	URI [1.22]	ASD [1.06]	Hernia [0.53]	Urticaria [0.79]	Falls [0.8]	Epilepsy [0.82]	Vit A [0.7]
Switzerland	Neonatal [0.91]	Congenital [1.08]	Diarrhea [2.28]	URI [1.2]	Hernia [1.09]	ASD [1.08]	Vit A [1.8]	Urticaria [0.76]	Iron [1.92]	Falls [0.6]
UK	Neonatal [1.01]	Congenital [1.04]	Diarrhea [1.27]	URI [1.2]	Iron [3.15]	ASD [1.1]	Hernia [0.73]	Urticaria [0.65]	Epilepsy [0.86]	Vit A [0.75]
England	Neonatal [1.04]	Congenital [1.03]	Diarrhea [1.33]	URI [1.21]	Iron [3.42]	ASD [1.12]	Hernia [0.65]	Urticaria [0.66]	Epilepsy [0.87]	Falls [0.87]
E Midlands	Neonatal [0.95]	Congenital [1.02]	Diarrhea [1.24]	Iron [3.68]	URI [1.2]	ASD [1.08]	Hernia [0.73]	Urticaria [0.62]	Epilepsy [0.8]	Falls [0.94]
Derby	Neonatal [0.99]	Congenital [1.05]	Iron [5.65]	Diarrhea [1.18]	URI [1.2]	ASD [1.09]	Hernia [0.73]	Urticaria [0.65]	Epilepsy [0.86]	Falls [0.91]
Derbyshire	Neonatal [0.86]	Congenital [1.0]	Diarrhea [1.18]	URI [1.2]	Iron [2.58]	ASD [1.08]	Hernia [0.82]	Urticaria [0.6]	Vit A [0.55]	Falls [1.0]
Leicester	Neonatal [0.85]	Congenital [1.05]	Diarrhea [1.25]	URI [1.2]	Iron [3.39]	ASD [1.09]	Hernia [0.65]	Urticaria [0.64]	Vit A [0.79]	Epilepsy [0.84]
Leicestershire	Neonatal [0.84]	Congenital [1.04]	Diarrhea [1.24]	URI [1.21]	Iron [4.17]	ASD [1.1]	Hernia [0.7]	Urticaria [0.66]	Epilepsy [0.85]	Falls [0.9]
Lincolnshire	Neonatal [0.9]	Congenital [1.0]	Iron [3.78]	Diarrhea [1.18]	URI [1.19]	ASD [1.08]	Hernia [0.76]	Urticaria [0.59]	Epilepsy [0.75]	Falls [1.0]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Northamptonshire	Neonatal [1.04]	Congenital [1.02]	Diarrhea [1.38]	URI [1.2]	Iron [3.34]	ASD [1.08]	Hernia [0.71]	Urticaria [0.63]	Epilepsy [0.8]	Falls [0.94]
Nottingham	Neonatal [1.21]	Congenital [1.09]	Diarrhea [1.3]	URI [1.22]	Iron [3.71]	ASD [1.12]	Hernia [0.66]	Urticaria [0.7]	Epilepsy [0.98]	Falls [0.83]
Nottinghamshire	Neonatal [1.0]	Congenital [1.0]	Diarrhea [1.18]	Iron [3.37]	URI [1.2]	ASD [1.08]	Hernia [0.8]	Urticaria [0.6]	Falls [1.0]	Epilepsy [0.74]
Rutland	Neonatal [0.71]	Congenital [1.02]	URI [1.2]	Iron [3.64]	Diarrhea [1.03]	ASD [1.09]	Urticaria [0.63]	Hernia [0.43]	Epilepsy [0.8]	Falls [0.91]
E England	Neonatal [0.93]	Congenital [0.97]	Diarrhea [1.24]	URI [1.2]	Iron [3.51]	ASD [1.15]	Hernia [0.56]	Urticaria [0.64]	Epilepsy [0.81]	Falls [0.9]
Bedford	Neonatal [1.12]	Congenital [0.99]	Diarrhea [1.21]	URI [1.2]	Iron [3.29]	ASD [1.09]	Urticaria [0.65]	Hernia [0.45]	Vit A [0.75]	Epilepsy [0.83]
Cambridgeshire	Neonatal [0.99]	Congenital [1.03]	Diarrhea [1.43]	URI [1.22]	ASD [1.69]	Iron [2.75]	Urticaria [0.71]	Hernia [0.41]	Falls [0.81]	Epilepsy [0.91]
Cen Bedfordshire	Neonatal [1.0]	Congenital [0.95]	Diarrhea [1.28]	URI [1.2]	Iron [3.29]	ASD [1.09]	Hernia [0.57]	Urticaria [0.63]	Epilepsy [0.79]	Falls [0.91]
Essex	Neonatal [0.9]	Congenital [0.96]	Iron [3.86]	Diarrhea [1.14]	URI [1.2]	ASD [1.09]	Hernia [0.54]	Urticaria [0.62]	Epilepsy [0.78]	Falls [0.93]
Hertfordshire	Neonatal [0.98]	Congenital [1.01]	Diarrhea [1.34]	URI [1.22]	Iron [4.07]	ASD [1.13]	Hernia [0.48]	Urticaria [0.71]	Epilepsy [0.93]	Falls [0.8]
Luton	Neonatal [1.05]	Congenital [0.98]	Diarrhea [1.37]	Iron [4.09]	URI [1.2]	ASD [1.08]	Hernia [0.68]	Urticaria [0.63]	Epilepsy [0.83]	Falls [0.95]
Norfolk	Neonatal [0.79]	Congenital [0.95]	Diarrhea [1.24]	URI [1.2]	Iron [2.99]	ASD [1.09]	Hernia [0.76]	Urticaria [0.62]	Falls [0.96]	Epilepsy [0.75]
Peterborough	Neonatal [0.76]	Congenital [0.95]	Diarrhea [1.2]	URI [1.2]	Iron [2.67]	ASD [1.07]	Hernia [0.8]	Urticaria [0.61]	Epilepsy [0.78]	Falls [0.98]
Southend-on-Sea	Neonatal [1.04]	Congenital [0.95]	Iron [3.58]	Diarrhea [0.98]	URI [1.2]	ASD [1.07]	Hernia [0.7]	Urticaria [0.59]	Vit A [0.59]	Epilepsy [0.72]
Suffolk	Neonatal [0.93]	Congenital [0.94]	Diarrhea [1.18]	URI [1.2]	Iron [2.61]	ASD [1.09]	Hernia [0.63]	Urticaria [0.61]	Falls [0.97]	Epilepsy [0.73]
Thurrock	Neonatal [0.97]	Congenital [0.93]	Iron [2.58]	Diarrhea [0.97]	URI [1.2]	ASD [1.07]	Urticaria [0.59]	Hernia [0.5]	Epilepsy [0.71]	Falls [1.04]
Greater London	Neonatal [1.17]	Congenital [1.1]	Diarrhea [1.44]	URI [1.23]	ASD [1.17]	Hernia [0.5]	Iron [2.79]	Urticaria [0.78]	Epilepsy [1.05]	Falls [0.73]
Barking & Dagenham	Neonatal [0.95]	Congenital [0.94]	Diarrhea [0.99]	URI [1.2]	ASD [1.07]	Iron [1.03]	Hernia [0.68]	Urticaria [0.58]	Epilepsy [0.74]	Falls [1.04]
Barnet	Neonatal [1.05]	Congenital [1.01]	Diarrhea [1.22]	URI [1.21]	ASD [1.13]	Hernia [0.56]	Iron [2.2]	Urticaria [0.7]	Epilepsy [0.91]	Falls [0.81]
Bexley	Neonatal [0.93]	Congenital [0.95]	Diarrhea [1.18]	URI [1.2]	ASD [1.15]	Iron [1.74]	Hernia [0.74]	Urticaria [0.61]	Falls [0.94]	Epilepsy [0.75]
Brent	Neonatal [1.07]	Congenital [0.99]	Diarrhea [1.17]	URI [1.21]	ASD [1.1]	Hernia [0.5]	Urticaria [0.67]	Iron [1.19]	Epilepsy [0.84]	Falls [0.84]
Bromley	Neonatal [1.12]	Congenital [0.99]	URI [1.21]	Diarrhea [1.11]	ASD [1.18]	Iron [2.49]	Hernia [0.58]	Urticaria [0.66]	Falls [0.86]	Epilepsy [0.83]
Camden	Neonatal [1.13]	Congenital [1.18]	URI [1.27]	Diarrhea [1.6]	ASD [1.22]	Hernia [0.4]	Iron [3.98]	Urticaria [0.89]	Epilepsy [1.21]	Falls [0.67]
Croydon	Neonatal [1.0]	Congenital [0.97]	Diarrhea [1.08]	URI [1.2]	ASD [1.09]	Iron [1.94]	Hernia [0.71]	Urticaria [0.63]	Epilepsy [0.79]	Falls [0.9]
Ealing	Neonatal [1.18]	Congenital [1.01]	Diarrhea [1.28]	URI [1.21]	ASD [1.11]	Hernia [0.56]	Iron [2.0]	Urticaria [0.7]	Epilepsy [0.91]	Falls [0.8]
Enfield	Neonatal [1.05]	Congenital [0.98]	Diarrhea [1.21]	URI [1.2]	ASD [1.1]	Hernia [0.63]	Urticaria [0.65]	Epilepsy [0.84]	Iron [1.05]	Falls [0.88]
Greenwich	Neonatal [0.98]	Congenital [0.99]	Diarrhea [1.24]	URI [1.2]	ASD [1.15]	Iron [1.88]	Hernia [0.73]	Urticaria [0.63]	Epilepsy [0.81]	Falls [0.9]
Hackney	Neonatal [1.16]	Congenital [1.07]	Diarrhea [1.43]	URI [1.23]	ASD [1.13]	Hernia [0.52]	Iron [2.21]	Urticaria [0.75]	Epilepsy [1.07]	Falls [0.78]
Hammersmith & Fulham	Neonatal [1.23]	Congenital [1.17]	Diarrhea [1.68]	URI [1.26]	ASD [1.2]	Iron [4.55]	Urticaria [0.87]	Hernia [0.37]	Epilepsy [1.21]	Falls [0.67]
Haringey	Neonatal [1.14]	Congenital [1.02]	Diarrhea [1.25]	URI [1.21]	ASD [1.1]	Hernia [0.59]	Iron [1.86]	Urticaria [0.68]	Epilepsy [0.89]	Falls [0.82]
Harrow	Neonatal [1.16]	Congenital [1.0]	Diarrhea [1.26]	URI [1.21]	ASD [1.11]	Hernia [0.6]	Iron [1.63]	Urticaria [0.66]	Other MN [4.79]	Epilepsy [0.85]

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Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Havering	Neonatal [0.96]	Congenital [0.95]	Diarrhea [1.09]	URI [1.2]	Iron [2.89]	ASD [1.09]	Hernia [0.65]	Urticaria [0.62]	Epilepsy [0.79]	Falls [0.95]
Hillingdon	Neonatal [1.25]	Congenital [1.05]	Diarrhea [1.47]	URI [1.22]	ASD [1.13]	Hernia [0.57]	Iron [2.37]	Urticaria [0.73]	Epilepsy [0.99]	Falls [0.76]
Hounslow	Neonatal [1.19]	Congenital [1.05]	Diarrhea [1.36]	URI [1.22]	ASD [1.14]	Hernia [0.52]	Iron [2.29]	Urticaria [0.74]	Epilepsy [0.99]	Falls [0.77]
Islington	Neonatal [1.08]	Congenital [1.16]	Diarrhea [1.57]	URI [1.26]	ASD [1.2]	Hernia [0.44]	Urticaria [0.86]	Epilepsy [1.26]	Falls [0.68]	Iron [2.26]
Kensington & Chelsea	Neonatal [1.08]	Congenital [1.18]	URI [1.27]	Diarrhea [1.53]	ASD [1.23]	Urticaria [0.89]	Hernia [0.32]	Other MN [3.71]	Epilepsy [1.2]	Falls [0.66]
Kingston upon Thames	Neonatal [1.22]	Congenital [1.08]	Diarrhea [1.44]	URI [1.23]	ASD [1.16]	Hernia [0.46]	Urticaria [0.76]	Epilepsy [1.04]	Other MN [4.26]	Iron [1.85]
Lambeth	Neonatal [0.9]	Congenital [1.13]	Diarrhea [1.42]	URI [1.24]	ASD [1.16]	Hernia [0.5]	Iron [3.16]	Urticaria [0.79]	Epilepsy [1.09]	Falls [0.72]
Lewisham	Neonatal [1.22]	Congenital [1.01]	URI [1.2]	Diarrhea [1.11]	ASD [1.17]	Hernia [0.64]	Iron [1.77]	Urticaria [0.65]	Epilepsy [0.85]	Falls [0.86]
Merton	Neonatal [1.12]	Congenital [1.05]	URI [1.22]	Diarrhea [1.26]	ASD [1.14]	Iron [2.69]	Hernia [0.57]	Urticaria [0.72]	Epilepsy [0.97]	Falls [0.78]
Newham	Neonatal [1.08]	Congenital [1.0]	Diarrhea [1.21]	URI [1.21]	ASD [1.09]	Hernia [0.51]	Urticaria [0.64]	Iron [1.17]	Epilepsy [0.83]	Falls [0.86]
Redbridge	Neonatal [0.98]	Congenital [1.01]	Diarrhea [1.12]	URI [1.2]	ASD [1.09]	Hernia [0.56]	Urticaria [0.62]	Epilepsy [0.79]	Falls [0.91]	Iron [0.83]
Richmond upon Thames	Neonatal [1.3]	Congenital [1.1]	URI [1.24]	Diarrhea [1.33]	ASD [1.18]	Hernia [0.44]	Urticaria [0.79]	Falls [0.72]	Epilepsy [1.01]	Iron [1.78]
Southwark	Neonatal [0.93]	Congenital [1.14]	Diarrhea [1.49]	URI [1.25]	ASD [1.25]	Hernia [0.51]	Urticaria [0.82]	Epilepsy [1.19]	Falls [0.71]	Otitis [1.4]
Sutton	Neonatal [1.29]	Congenital [0.99]	Diarrhea [1.18]	URI [1.2]	ASD [1.1]	Hernia [0.64]	Urticaria [0.65]	Iron [1.24]	Epilepsy [0.84]	Falls [0.87]
Tower Hamlets	Neonatal [1.3]	Congenital [1.11]	Diarrhea [1.5]	URI [1.25]	ASD [1.18]	Urticaria [0.81]	Iron [2.52]	Epilepsy [1.16]	Hernia [0.34]	Falls [0.73]
Waltham Forest	Neonatal [0.98]	Congenital [0.97]	Diarrhea [1.07]	URI [1.2]	ASD [1.08]	Iron [1.59]	Hernia [0.63]	Urticaria [0.61]	Epilepsy [0.76]	Falls [0.94]
Wandsworth	Neonatal [1.07]	Congenital [1.14]	URI [1.25]	Diarrhea [1.43]	ASD [1.19]	Hernia [0.43]	Urticaria [0.82]	Epilepsy [1.14]	Iron [2.31]	Falls [0.7]
Westminster	Neonatal [1.03]	Congenital [1.16]	Diarrhea [1.6]	URI [1.26]	ASD [1.21]	Urticaria [0.87]	Hernia [0.34]	Epilepsy [1.23]	Falls [0.68]	Other MN [3.52]
NE England	Neonatal [0.89]	Congenital [1.1]	Diarrhea [1.36]	URI [1.2]	Iron [2.83]	ASD [1.08]	Hernia [0.83]	Vit A [0.84]	Urticaria [0.61]	Epilepsy [0.77]
County Durham	Neonatal [0.93]	Congenital [1.09]	Diarrhea [1.34]	Iron [3.18]	URI [1.2]	ASD [1.07]	Hernia [0.9]	Vit A [0.79]	Urticaria [0.59]	Epilepsy [0.74]
Darlington	Neonatal [0.86]	Congenital [1.11]	Diarrhea [1.36]	URI [1.2]	Iron [2.21]	ASD [1.07]	Hernia [0.74]	Urticaria [0.62]	Vit A [0.62]	Epilepsy [0.8]
Gateshead	Neonatal [0.99]	Congenital [1.11]	Diarrhea [1.34]	URI [1.2]	Iron [3.06]	ASD [1.08]	Hernia [0.89]	Vit A [0.96]	Urticaria [0.62]	Epilepsy [0.81]
Hartlepool	Neonatal [0.95]	Congenital [1.08]	Diarrhea [1.14]	URI [1.2]	Iron [1.5]	ASD [1.07]	Hernia [0.86]	Vit A [0.57]	Urticaria [0.57]	Epilepsy [0.71]
Middlesbrough	Neonatal [0.79]	Congenital [1.09]	Diarrhea [1.37]	Iron [3.41]	URI [1.2]	ASD [1.07]	Hernia [0.79]	Vit A [0.77]	Urticaria [0.59]	Epilepsy [0.78]
Newcastle upon Tyne	Neonatal [0.95]	Congenital [1.19]	Diarrhea [1.66]	URI [1.22]	ASD [1.12]	Hernia [0.78]	Iron [3.34]	Vit A [1.28]	Urticaria [0.71]	Epilepsy [0.96]
N Tyneside	Neonatal [0.85]	Congenital [1.11]	Diarrhea [1.49]	URI [1.2]	Iron [2.46]	ASD [1.09]	Hernia [0.76]	Vit A [0.98]	Urticaria [0.61]	Epilepsy [0.79]
Northumberland	Neonatal [0.84]	Congenital [1.09]	Iron [3.95]	Diarrhea [1.27]	URI [1.2]	ASD [1.08]	Hernia [0.93]	Vit A [0.66]	Urticaria [0.59]	Epilepsy [0.74]
Redcar & Cleveland	Neonatal [0.77]	Congenital [1.07]	Diarrhea [1.23]	URI [1.2]	Iron [1.63]	ASD [1.08]	Hernia [0.85]	Vit A [0.61]	Urticaria [0.57]	Epilepsy [0.69]
S Tyneside	Neonatal [0.81]	Congenital [1.07]	Diarrhea [1.2]	URI [1.2]	Iron [1.81]	ASD [1.07]	Hernia [0.85]	Vit A [0.64]	Urticaria [0.57]	Epilepsy [0.69]
Stockton-on-Tees	Neonatal [1.06]	Congenital [1.11]	Diarrhea [1.35]	URI [1.2]	ASD [1.07]	Iron [2.15]	Hernia [0.76]	Vit A [1.08]	Urticaria [0.61]	Epilepsy [0.77]
Sunderland	Neonatal [0.77]	Congenital [1.09]	Diarrhea [1.36]	URI [1.2]	ASD [1.08]	Iron [1.82]	Hernia [0.82]	Vit A [0.74]	Urticaria [0.6]	Epilepsy [0.78]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
NW England	Neonatal [1.11]	Congenital [1.09]	Diarrhea [1.35]	URI [1.2]	Iron [3.03]	ASD [1.09]	Hernia [0.72]	Urticaria [0.63]	Epilepsy [0.82]	Falls [0.93]
Blackburn with Darwen	Neonatal [1.05]	Congenital [1.03]	Diarrhea [1.27]	URI [1.19]	Iron [2.29]	ASD [1.07]	Hernia [0.78]	Urticaria [0.58]	Vit A [0.54]	Epilepsy [0.75]
Blackpool	Neonatal [0.97]	Congenital [1.03]	Iron [2.11]	Diarrhea [0.98]	URI [1.2]	ASD [1.07]	Hernia [0.9]	Urticaria [0.56]	Vit A [0.39]	Epilepsy [0.72]
Bolton	Neonatal [1.0]	Congenital [1.03]	Diarrhea [1.16]	URI [1.2]	Iron [2.18]	ASD [1.07]	Hernia [0.81]	Urticaria [0.59]	Epilepsy [0.72]	Falls [1.02]
Bury	Neonatal [0.98]	Congenital [1.04]	Diarrhea [1.27]	URI [1.2]	Iron [2.38]	ASD [1.08]	Hernia [0.7]	Vit A [0.66]	Urticaria [0.6]	Epilepsy [0.74]
Cheshire E	Neonatal [1.42]	Congenital [1.18]	Diarrhea [1.53]	URI [1.21]	ASD [1.12]	Iron [3.36]	Hernia [0.74]	Urticaria [0.7]	Epilepsy [0.93]	Falls [0.82]
Cheshire W & Chester	Neonatal [1.15]	Congenital [1.16]	Diarrhea [1.47]	URI [1.21]	Iron [3.42]	ASD [1.11]	Hernia [0.78]	Urticaria [0.68]	Falls [0.85]	Vit A [0.79]
Cumbria	Neonatal [1.07]	Congenital [1.05]	Diarrhea [1.38]	URI [1.2]	Iron [2.95]	ASD [1.09]	Hernia [0.92]	Urticaria [0.62]	Vit A [0.69]	Epilepsy [0.78]
Halton	Neonatal [1.11]	Congenital [1.05]	Diarrhea [1.32]	URI [1.2]	Iron [2.57]	ASD [1.07]	Hernia [0.61]	Urticaria [0.62]	Epilepsy [0.81]	Falls [0.94]
Knowsley	Neonatal [1.05]	Congenital [1.1]	Diarrhea [1.2]	URI [1.2]	Iron [2.43]	ASD [1.07]	Hernia [0.7]	Urticaria [0.6]	Epilepsy [0.78]	Falls [0.99]
Lancashire	Neonatal [1.06]	Congenital [1.06]	Diarrhea [1.43]	URI [1.2]	Iron [2.54]	ASD [1.08]	Hernia [0.8]	Urticaria [0.62]	Epilepsy [0.8]	Falls [0.95]
Liverpool	Neonatal [1.23]	Congenital [1.17]	Iron [5.81]	Diarrhea [1.32]	URI [1.21]	ASD [1.1]	Hernia [0.67]	Vit A [0.98]	Urticaria [0.67]	Epilepsy [0.93]
Manchester	Neonatal [1.33]	Congenital [1.18]	Diarrhea [1.71]	URI [1.22]	ASD [1.13]	Iron [3.75]	Hernia [0.54]	Vit A [1.46]	Urticaria [0.75]	Falls [0.81]
Oldham	Neonatal [0.8]	Congenital [1.02]	Diarrhea [1.14]	URI [1.2]	Iron [1.87]	ASD [1.07]	Hernia [0.76]	Urticaria [0.57]	Vit A [0.41]	Epilepsy [0.71]
Rochdale	Neonatal [0.82]	Congenital [1.01]	Iron [2.75]	Diarrhea [1.15]	URI [1.2]	ASD [1.07]	Hernia [0.73]	Vit A [0.59]	Urticaria [0.57]	Epilepsy [0.73]
Salford	Neonatal [1.24]	Congenital [1.08]	Diarrhea [1.3]	URI [1.21]	ASD [1.09]	Iron [2.53]	Hernia [0.71]	Urticaria [0.64]	Epilepsy [0.87]	Falls [0.91]
Sefton	Neonatal [1.06]	Congenital [1.1]	Diarrhea [1.15]	URI [1.2]	Iron [2.58]	ASD [1.08]	Hernia [0.81]	Urticaria [0.59]	Epilepsy [0.74]	Falls [1.03]
St Helens	Neonatal [1.07]	Congenital [1.09]	Diarrhea [1.17]	URI [1.2]	ASD [1.07]	Iron [1.57]	Hernia [0.81]	Urticaria [0.59]	Epilepsy [0.75]	Falls [1.03]
Stockport	Neonatal [0.96]	Congenital [1.08]	Diarrhea [1.52]	URI [1.2]	Iron [3.42]	ASD [1.1]	Hernia [0.69]	Urticaria [0.65]	Falls [0.92]	Epilepsy [0.86]
Tameside	Neonatal [0.86]	Congenital [1.02]	Diarrhea [1.19]	URI [1.2]	Iron [1.49]	ASD [1.07]	Hernia [0.77]	Vit A [0.57]	Urticaria [0.58]	Epilepsy [0.71]
Trafford	Neonatal [1.29]	Congenital [1.13]	Diarrhea [1.5]	URI [1.22]	Iron [4.88]	ASD [1.13]	Hernia [0.51]	Urticaria [0.72]	Epilepsy [0.94]	Falls [0.79]
Warrington	Neonatal [1.34]	Congenital [1.11]	Diarrhea [1.48]	URI [1.21]	ASD [1.11]	Iron [3.27]	Hernia [0.59]	Urticaria [0.69]	Epilepsy [0.94]	Falls [0.83]
Wigan	Neonatal [1.05]	Congenital [1.02]	Diarrhea [1.09]	URI [1.2]	ASD [1.08]	Iron [1.38]	Hernia [0.8]	Urticaria [0.58]	Epilepsy [0.7]	Falls [1.06]
Wirral	Neonatal [1.18]	Congenital [1.1]	Diarrhea [1.21]	URI [1.2]	Iron [2.15]	ASD [1.07]	Hernia [0.89]	Urticaria [0.59]	Epilepsy [0.73]	Falls [1.04]
SE England	Neonatal [1.07]	Congenital [1.03]	Diarrhea [1.33]	URI [1.21]	ASD [1.19]	Iron [2.77]	Hernia [0.65]	Urticaria [0.67]	Epilepsy [0.94]	Falls [0.85]
Bracknell Forest	Neonatal [0.89]	Congenital [1.05]	URI [1.22]	Diarrhea [1.2]	ASD [1.13]	Iron [2.7]	Hernia [0.52]	Urticaria [0.71]	Vit A [0.99]	Falls [0.8]
Brighton & Hove	Neonatal [1.22]	Congenital [1.11]	Diarrhea [1.39]	URI [1.23]	ASD [1.14]	Hernia [0.5]	Iron [2.33]	Urticaria [0.75]	Epilepsy [1.0]	Falls [0.78]
Buckinghamshire	Neonatal [1.35]	Congenital [1.05]	Diarrhea [1.46]	URI [1.22]	Epilepsy [2.46]	ASD [1.12]	Hernia [0.66]	Iron [2.51]	Urticaria [0.7]	Oth Neuro [3.46]
E Sussex	Neonatal [1.04]	Congenital [0.97]	Diarrhea [1.18]	URI [1.2]	Iron [2.33]	ASD [1.15]	Hernia [0.77]	Urticaria [0.6]	Epilepsy [0.73]	Falls [0.99]
Hampshire	Neonatal [1.02]	Congenital [1.01]	Diarrhea [1.38]	URI [1.21]	ASD [1.11]	Iron [2.95]	Hernia [0.7]	Urticaria [0.67]	Falls [0.87]	Epilepsy [0.83]
Isle of Wight	Neonatal [0.93]	Congenital [0.96]	Diarrhea [1.08]	URI [1.2]	ASD [1.08]	Hernia [0.71]	Iron [1.26]	Urticaria [0.6]	Epilepsy [0.73]	Falls [0.99]

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Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Kent	Neonatal [0.98]	Congenital [0.99]	Diarrhea [1.22]	URI [1.2]	ASD [1.52]	Iron [2.46]	Hernia [0.72]	Urticaria [0.62]	Falls [0.93]	Epilepsy [0.77]
Medway	Neonatal [1.0]	Congenital [0.96]	Diarrhea [1.14]	URI [1.2]	Iron [2.25]	ASD [1.08]	Hernia [0.86]	Urticaria [0.59]	Vit A [0.57]	Epilepsy [0.76]
Milton Keynes	Neonatal [0.95]	Congenital [1.04]	Diarrhea [1.48]	URI [1.22]	ASD [1.11]	Iron [3.17]	Hernia [0.64]	Urticaria [0.68]	Falls [0.87]	Vit A [0.89]
Oxfordshire	Neonatal [1.04]	Congenital [1.07]	Diarrhea [1.42]	URI [1.23]	ASD [1.14]	Hernia [0.56]	Iron [2.71]	Urticaria [0.74]	Epilepsy [0.99]	Falls [0.78]
Portsmouth	Neonatal [1.03]	Congenital [1.03]	Diarrhea [1.35]	URI [1.22]	Iron [4.05]	ASD [1.11]	Hernia [0.79]	Urticaria [0.68]	Epilepsy [0.91]	Falls [0.82]
Reading	Neonatal [1.36]	Congenital [1.12]	Diarrhea [1.51]	URI [1.23]	Iron [5.64]	ASD [1.16]	Hernia [0.49]	Urticaria [0.78]	Epilepsy [1.11]	Vit A [1.29]
Slough	Neonatal [1.13]	Congenital [1.04]	Diarrhea [1.44]	URI [1.21]	Iron [3.38]	ASD [1.11]	Hernia [0.63]	Urticaria [0.68]	Epilepsy [0.93]	Falls [0.84]
Southampton	Neonatal [1.02]	Congenital [1.04]	Diarrhea [1.37]	URI [1.21]	ASD [1.12]	Iron [2.18]	Hernia [0.55]	Urticaria [0.69]	Epilepsy [0.93]	Falls [0.83]
Surrey	Neonatal [1.22]	Congenital [1.08]	Diarrhea [1.41]	URI [1.23]	ASD [1.16]	Hernia [0.6]	Iron [2.65]	Urticaria [0.75]	Epilepsy [1.0]	Falls [0.77]
West Berkshire	Neonatal [1.01]	Congenital [1.05]	Diarrhea [1.4]	URI [1.22]	ASD [1.13]	Iron [3.3]	Hernia [0.56]	Urticaria [0.71]	Vit A [1.01]	Epilepsy [0.94]
W Sussex	Neonatal [1.03]	Congenital [1.01]	Diarrhea [1.26]	URI [1.21]	ASD [1.11]	Iron [2.46]	Hernia [0.71]	Urticaria [0.65]	Vit A [0.88]	Falls [0.87]
Windsor & Maidenhead	Neonatal [1.09]	Congenital [1.1]	Diarrhea [1.55]	URI [1.23]	ASD [1.16]	Hernia [0.48]	Iron [2.67]	Urticaria [0.76]	Epilepsy [1.0]	Falls [0.76]
Wokingham	Neonatal [1.11]	Congenital [1.09]	Diarrhea [1.51]	URI [1.23]	ASD [1.17]	Hernia [0.5]	Iron [2.6]	Urticaria [0.75]	Other MN [4.4]	Falls [0.77]
SW England	Neonatal [1.08]	Congenital [0.95]	Diarrhea [1.25]	URI [1.2]	Iron [3.59]	ASD [1.14]	Hernia [0.76]	Urticaria [0.64]	Vit A [0.84]	Epilepsy [0.82]
Bath & NE Somerset	Neonatal [1.51]	Congenital [1.0]	Diarrhea [1.53]	URI [1.22]	ASD [1.34]	Iron [4.22]	Hernia [0.57]	Urticaria [0.72]	Epilepsy [0.94]	Falls [0.78]
Bournemouth	Neonatal [1.1]	Congenital [0.98]	Diarrhea [1.35]	URI [1.22]	Iron [4.25]	ASD [1.11]	Hernia [0.68]	Vit A [1.27]	Urticaria [0.69]	Epilepsy [0.89]
Bristol	Neonatal [1.34]	Congenital [1.04]	Diarrhea [1.39]	URI [1.23]	ASD [1.34]	Iron [4.71]	Hernia [0.57]	Urticaria [0.75]	Epilepsy [1.04]	Falls [0.75]
Cornwall	Neonatal [1.03]	Congenital [0.92]	Diarrhea [1.17]	Iron [3.05]	URI [1.2]	ASD [1.08]	Hernia [0.84]	Vit A [0.75]	Urticaria [0.6]	Epilepsy [0.75]
Devon	Neonatal [0.96]	Congenital [0.94]	Diarrhea [1.28]	URI [1.2]	Iron [2.48]	ASD [1.09]	Hernia [0.81]	Urticaria [0.63]	Epilepsy [0.81]	Falls [0.93]
Dorset	Neonatal [1.01]	Congenital [0.93]	Diarrhea [1.19]	URI [1.2]	Iron [3.3]	ASD [1.09]	Hernia [0.79]	Urticaria [0.62]	Vit A [0.64]	Epilepsy [0.77]
Gloucestershire	Neonatal [1.0]	Congenital [0.96]	Iron [5.89]	Diarrhea [1.38]	URI [1.21]	ASD [1.1]	Hernia [0.85]	Urticaria [0.66]	Epilepsy [0.84]	Falls [0.86]
N Somerset	Neonatal [1.13]	Congenital [0.94]	Diarrhea [1.08]	URI [1.2]	ASD [1.29]	Iron [2.11]	Vit A [1.21]	Hernia [0.68]	Urticaria [0.62]	Epilepsy [0.78]
Plymouth	Neonatal [1.05]	Congenital [0.95]	Diarrhea [1.24]	URI [1.2]	Iron [3.2]	Hernia [0.97]	ASD [1.09]	Vit A [0.89]	Urticaria [0.63]	Epilepsy [0.82]
Poole	Neonatal [1.05]	Congenital [0.95]	Iron [4.84]	Diarrhea [1.2]	URI [1.2]	ASD [1.1]	Hernia [0.78]	Vit A [0.99]	Urticaria [0.64]	Epilepsy [0.81]
Somerset	Neonatal [1.07]	Congenital [0.91]	Diarrhea [1.16]	Iron [3.05]	URI [1.2]	ASD [1.08]	Hernia [0.93]	Urticaria [0.6]	Vit A [0.64]	Falls [1.0]
S Gloucestershire	Neonatal [1.17]	Congenital [0.98]	Diarrhea [1.27]	URI [1.21]	ASD [1.32]	Iron [3.78]	Vit A [1.72]	Hernia [0.61]	Urticaria [0.7]	Falls [0.81]
Swindon	Neonatal [0.81]	Congenital [0.95]	Diarrhea [1.25]	URI [1.21]	ASD [1.1]	Iron [2.61]	Hernia [0.69]	Urticaria [0.65]	Vit A [0.79]	Epilepsy [0.84]
Torbay	Neonatal [0.81]	Congenital [0.9]	Diarrhea [1.04]	URI [1.2]	Iron [1.74]	ASD [1.07]	Vit A [0.78]	Hernia [0.86]	Urticaria [0.57]	Falls [1.14]
Wiltshire	Neonatal [1.19]	Congenital [0.93]	Diarrhea [1.14]	URI [1.2]	Iron [3.48]	ASD [1.09]	Hernia [0.7]	Vit A [0.8]	Urticaria [0.63]	Epilepsy [0.77]
W Midlands	Neonatal [0.99]	Congenital [0.98]	Diarrhea [1.32]	URI [1.2]	Iron [2.56]	ASD [1.01]	Hernia [0.71]	Urticaria [0.62]	Falls [1.01]	Epilepsy [0.81]
Birmingham	Neonatal [1.0]	Congenital [1.01]	Diarrhea [1.38]	URI [1.2]	Iron [3.33]	Hernia [0.71]	ASD [0.8]	Urticaria [0.64]	Falls [1.03]	Epilepsy [0.86]

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Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Coventry	Neonatal [0.98]	Congenital [1.02]	Diarrhea [1.34]	URI [1.21]	ASD [1.1]	Hernia [0.61]	Iron [1.53]	Urticaria [0.66]	Epilepsy [0.9]	Falls [0.89]
Dudley	Neonatal [1.04]	Congenital [0.95]	Diarrhea [1.2]	URI [1.2]	ASD [1.07]	Iron [1.28]	Hernia [0.79]	Urticaria [0.58]	Falls [1.12]	Epilepsy [0.73]
Herefordshire	Neonatal [1.03]	Congenital [0.98]	Diarrhea [1.33]	URI [1.2]	ASD [1.09]	Iron [2.07]	Hernia [0.69]	Urticaria [0.62]	Falls [0.94]	Epilepsy [0.77]
Sandwell	Neonatal [1.01]	Congenital [0.95]	Diarrhea [1.2]	URI [1.2]	ASD [1.07]	Iron [1.29]	Hernia [0.8]	Vit A [0.63]	Urticaria [0.58]	Epilepsy [0.75]
Shropshire	Neonatal [0.98]	Congenital [0.97]	Diarrhea [1.27]	URI [1.2]	Iron [2.71]	ASD [1.09]	Hernia [0.73]	Urticaria [0.62]	Epilepsy [0.79]	Falls [0.94]
Solihull	Neonatal [0.79]	Congenital [1.01]	Diarrhea [1.36]	URI [1.21]	ASD [1.11]	Iron [2.48]	Hernia [0.61]	Urticaria [0.67]	Falls [0.91]	Epilepsy [0.86]
Staffordshire	Neonatal [0.96]	Congenital [0.97]	Diarrhea [1.41]	URI [1.2]	Iron [3.03]	ASD [1.03]	Hernia [0.71]	Urticaria [0.61]	Vit A [0.71]	Falls [1.04]
Stoke-on-Trent	Neonatal [1.12]	Congenital [0.96]	Diarrhea [1.27]	URI [1.2]	ASD [1.07]	Iron [1.44]	Hernia [0.86]	Vit A [0.69]	Urticaria [0.58]	Falls [1.21]
Telford & Wrekin	Neonatal [0.98]	Congenital [0.96]	Diarrhea [1.23]	Iron [3.72]	URI [1.2]	ASD [1.08]	Hernia [0.73]	Urticaria [0.61]	Epilepsy [0.78]	Falls [1.0]
Walsall	Neonatal [0.94]	Congenital [0.95]	Diarrhea [1.07]	Iron [2.3]	URI [1.21]	ASD [1.07]	Hernia [0.76]	Urticaria [0.57]	Vit A [0.4]	Falls [1.19]
Warwickshire	Neonatal [1.04]	Congenital [1.02]	Diarrhea [1.42]	URI [1.21]	ASD [1.1]	Iron [2.78]	Hernia [0.62]	Urticaria [0.68]	Falls [0.9]	Epilepsy [0.87]
Wolverhampton	Neonatal [0.75]	Congenital [0.96]	Diarrhea [1.3]	URI [1.2]	ASD [1.07]	Iron [1.7]	Hernia [0.77]	Urticaria [0.59]	Falls [1.06]	Epilepsy [0.75]
Worcestershire	Neonatal [1.11]	Congenital [0.98]	Diarrhea [1.26]	URI [1.2]	ASD [1.1]	Iron [2.27]	Hernia [0.77]	Urticaria [0.63]	Falls [0.97]	Epilepsy [0.82]
Yorkshire & Humber	Neonatal [0.94]	Congenital [0.99]	Iron [4.39]	Diarrhea [1.26]	URI [1.2]	ASD [1.08]	Hernia [0.76]	Urticaria [0.62]	Vit A [0.71]	Epilepsy [0.77]
Barnsley	Neonatal [0.94]	Congenital [0.94]	Iron [2.93]	Diarrhea [1.13]	URI [1.2]	ASD [1.07]	Hernia [0.9]	Vit A [0.54]	Urticaria [0.56]	Epilepsy [0.71]
Bradford	Neonatal [0.98]	Congenital [0.97]	Diarrhea [1.14]	Iron [2.94]	URI [1.2]	ASD [1.07]	Hernia [0.91]	Urticaria [0.59]	Vit A [0.47]	Falls [1.02]
Calderdale	Neonatal [0.9]	Congenital [0.98]	Diarrhea [1.26]	Iron [3.97]	URI [1.2]	ASD [1.08]	Hernia [0.77]	Urticaria [0.61]	Vit A [0.64]	Epilepsy [0.8]
Doncaster	Neonatal [1.13]	Congenital [0.94]	Diarrhea [1.1]	Iron [2.03]	URI [1.2]	ASD [1.07]	Hernia [0.97]	Vit A [0.51]	Urticaria [0.57]	Epilepsy [0.69]
E Riding of Yorkshire	Neonatal [0.9]	Congenital [0.96]	Iron [4.35]	Diarrhea [1.16]	URI [1.2]	ASD [1.09]	Hernia [0.87]	Vit A [0.7]	Urticaria [0.61]	Epilepsy [0.75]
Kingston upon Hull	Neonatal [0.84]	Congenital [0.97]	Iron [4.6]	Diarrhea [1.15]	URI [1.2]	ASD [1.07]	Hernia [0.75]	Vit A [0.7]	Urticaria [0.6]	Epilepsy [0.77]
Kirklees	Neonatal [0.86]	Congenital [0.97]	Diarrhea [1.22]	Iron [3.31]	URI [1.2]	ASD [1.07]	Hernia [0.78]	Urticaria [0.6]	Epilepsy [0.74]	Falls [0.98]
Leeds	Neonatal [0.93]	Congenital [1.05]	Iron [8.34]	Diarrhea [1.41]	URI [1.22]	ASD [1.12]	Hernia [0.61]	Urticaria [0.71]	Epilepsy [0.94]	Falls [0.8]
NE Lincolnshire	Neonatal [0.87]	Congenital [0.95]	Iron [3.58]	Diarrhea [1.01]	URI [1.2]	ASD [1.07]	Hernia [0.69]	Vit A [0.64]	Urticaria [0.59]	Epilepsy [0.72]
N Lincolnshire	Neonatal [0.82]	Congenital [0.96]	Iron [3.44]	Diarrhea [1.14]	URI [1.2]	ASD [1.07]	Hernia [0.72]	Urticaria [0.59]	Vit A [0.54]	Epilepsy [0.76]
N Yorkshire	Neonatal [1.06]	Congenital [0.99]	Diarrhea [1.37]	Iron [4.11]	URI [1.2]	ASD [1.09]	Hernia [0.81]	Urticaria [0.64]	Vit A [0.76]	Falls [0.89]
Rotherham	Neonatal [0.82]	Congenital [0.95]	Iron [2.76]	Diarrhea [1.06]	URI [1.2]	ASD [1.07]	Hernia [0.81]	Vit A [0.56]	Urticaria [0.57]	Epilepsy [0.71]
Sheffield	Neonatal [1.03]	Congenital [1.02]	Diarrhea [1.41]	Iron [5.06]	URI [1.21]	ASD [1.11]	Hernia [0.73]	Urticaria [0.67]	Epilepsy [0.9]	Falls [0.84]
Wakefield	Neonatal [0.74]	Congenital [0.95]	Diarrhea [1.28]	Iron [3.04]	URI [1.2]	ASD [1.07]	Vit A [1.0]	Hernia [0.76]	Urticaria [0.59]	Epilepsy [0.72]
York	Neonatal [0.96]	Congenital [1.07]	Diarrhea [1.49]	URI [1.22]	Iron [5.25]	ASD [1.13]	Hernia [0.76]	Urticaria [0.73]	Epilepsy [0.95]	Falls [0.76]
N Ireland	Neonatal [0.91]	Congenital [1.01]	Diarrhea [1.06]	URI [1.17]	Hernia [1.19]	ASD [1.02]	Urticaria [0.63]	Epilepsy [0.86]	Falls [0.91]	Otitis [1.25]
Scotland	Neonatal [0.83]	Congenital [1.21]	URI [1.16]	Diarrhea [0.87]	Hernia [1.28]	Iron [1.88]	ASD [1.02]	Vit A [0.94]	Urticaria [0.59]	Epilepsy [0.86]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Wales	Neonatal [0.82]	Congenital [0.95]	URI [1.17]	Diarrhea [0.93]	Iron [2.19]	Hernia [1.32]	ASD [0.96]	Vit A [0.9]	Urticaria [0.59]	Epilepsy [0.71]
Latin America and Caribbean	Neonatal [1.19]	Diarrhea [1.54]	Iron [1.13]	Vit A [0.82]	Congenital [0.75]	Epilepsy [1.53]	URI [0.9]	Urticaria [0.87]	ASD [0.82]	Oth Neuro [2.16]
Andean Latin America	Iron [2.87]	Neonatal [1.15]	Vit A [1.01]	Diarrhea [1.26]	Congenital [0.72]	URI [1.0]	Urticaria [0.85]	Epilepsy [1.02]	Oth NTD [11.48]	ASD [0.81]
Bolivia	Iron [2.91]	Neonatal [1.14]	Diarrhea [1.23]	Vit A [0.73]	Congenital [0.77]	Oth NTD [3.83]	URI [0.9]	Urticaria [0.85]	Epilepsy [0.93]	Oth Un Inf [2.83]
Ecuador	Neonatal [1.16]	Diarrhea [0.97]	Congenital [0.71]	Vit A [0.5]	URI [0.96]	Epilepsy [1.11]	Urticaria [0.86]	ASD [0.82]	Oth Neuro [1.58]	Hernia [0.82]
Peru	Iron [3.82]	Neonatal [1.15]	Vit A [1.29]	Diarrhea [1.35]	Congenital [0.72]	URI [1.07]	Oth NTD [18.57]	Urticaria [0.85]	Epilepsy [1.0]	Oth Un Inf [3.86]
Caribbean	Iron [2.46]	Neonatal [0.99]	Vit A [1.17]	Diarrhea [1.29]	Congenital [0.77]	URI [0.94]	Urticaria [0.85]	Epilepsy [0.9]	PEM [3.25]	Hemog [2.13]
Antigua	Neonatal [0.94]	Iron [2.21]	Congenital [0.66]	Diarrhea [0.79]	Vit A [0.52]	URI [0.89]	Urticaria [0.92]	Epilepsy [1.02]	ASD [0.75]	Scabies [2.63]
Bahamas	Neonatal [1.05]	Congenital [0.68]	Vit A [1.13]	Iron [1.32]	Diarrhea [0.83]	URI [0.87]	Urticaria [0.97]	Epilepsy [1.23]	ASD [0.73]	Hemog [3.93]
Barbados	Neonatal [1.08]	Congenital [0.66]	Iron [1.45]	Diarrhea [0.84]	Vit A [0.78]	URI [0.88]	Urticaria [0.95]	Epilepsy [1.12]	ASD [0.74]	Scabies [2.97]
Belize	Neonatal [0.91]	Iron [1.04]	Congenital [0.72]	Diarrhea [0.58]	Vit A [0.36]	URI [0.98]	Urticaria [0.85]	Epilepsy [0.9]	ASD [0.84]	PEM [1.39]
Bermuda	Neonatal [1.07]	Congenital [0.66]	Iron [3.33]	Diarrhea [0.92]	URI [0.86]	Urticaria [1.06]	Epilepsy [1.37]	Vit A [0.88]	ASD [0.73]	Scabies [5.15]
Cuba	Neonatal [0.83]	Iron [1.09]	Congenital [0.65]	URI [0.91]	Diarrhea [0.42]	Urticaria [0.89]	ASD [0.77]	Vit A [0.25]	Epilepsy [0.72]	Scabies [2.16]
Dominica	Neonatal [1.16]	Iron [1.06]	Congenital [0.7]	Diarrhea [0.83]	URI [0.91]	Vit A [0.35]	Epilepsy [1.27]	Urticaria [0.89]	ASD [0.77]	Oth Neuro [1.79]
Dominican Rep	Neonatal [0.95]	Iron [1.25]	Diarrhea [1.18]	Congenital [0.74]	Vit A [0.47]	URI [0.84]	Urticaria [0.85]	Epilepsy [0.81]	ASD [0.84]	Scabies [1.43]
Grenada	Iron [2.46]	Neonatal [0.98]	Congenital [0.68]	Vit A [0.54]	Diarrhea [0.68]	URI [0.94]	Urticaria [0.86]	Epilepsy [0.97]	ASD [0.8]	Oth NTD [14.43]
Guyana	Iron [1.73]	Neonatal [0.95]	Vit A [0.57]	Congenital [0.72]	Diarrhea [0.65]	PEM [3.27]	URI [0.95]	Urticaria [0.85]	Epilepsy [0.87]	ASD [0.85]
Haiti	Iron [1.88]	Vit A [0.89]	Neonatal [0.86]	Diarrhea [1.22]	Congenital [0.87]	PEM [0.75]	Hemog [1.61]	URI [1.13]	Oth NTD [1.44]	Urticaria [0.91]
Jamaica	Neonatal [1.08]	Iron [1.68]	Congenital [0.68]	Diarrhea [0.57]	Vit A [0.41]	URI [0.92]	Epilepsy [1.28]	Urticaria [0.88]	ASD [0.77]	Oth Neuro [1.81]
Puerto Rico	Neonatal [1.13]	Congenital [0.71]	Diarrhea [1.04]	URI [0.85]	Iron [1.94]	Urticaria [1.08]	Epilepsy [1.36]	ASD [0.73]	Scabies [5.44]	Vit A [0.46]
St Lucia	Neonatal [1.0]	Iron [0.97]	Diarrhea [0.9]	Congenital [0.67]	Vit A [0.48]	URI [0.93]	Urticaria [0.87]	Epilepsy [0.94]	ASD [0.79]	Scabies [1.74]
St Vincent	Neonatal [0.92]	Vit A [0.62]	Congenital [0.69]	Iron [0.62]	Diarrhea [0.63]	URI [0.96]	Urticaria [0.85]	Epilepsy [0.88]	ASD [0.83]	Hemog [1.11]
Suriname	Neonatal [1.04]	Iron [1.17]	Congenital [0.72]	Diarrhea [0.76]	Vit A [0.36]	URI [0.94]	Urticaria [0.86]	Epilepsy [1.02]	ASD [0.8]	Scabies [1.67]
Trinidad Tobago	Neonatal [1.04]	Congenital [0.67]	Diarrhea [0.58]	Iron [0.63]	URI [0.91]	Urticaria [0.91]	Epilepsy [1.04]	Vit A [0.28]	ASD [0.76]	Whooping [2.2]
Virgin Isl US	Neonatal [1.09]	Iron [3.88]	Congenital [0.66]	Diarrhea [1.09]	URI [0.85]	Urticaria [1.06]	Vit A [0.98]	Epilepsy [1.44]	ASD [0.72]	Whooping [2.67]
Central Latin America	Neonatal [1.38]	Diarrhea [1.97]	Congenital [0.73]	Vit A [0.59]	Iron [0.59]	Epilepsy [1.96]	URI [0.9]	Urticaria [0.86]	Oth Neuro [2.76]	ASD [0.85]
Colombia	Neonatal [1.43]	Diarrhea [2.05]	Iron [0.84]	Congenital [0.74]	Vit A [0.45]	Epilepsy [1.98]	URI [1.07]	Urticaria [0.86]	Oth Neuro [2.79]	ASD [0.82]
Costa Rica	Neonatal [1.3]	Diarrhea [1.94]	Congenital [0.67]	Epilepsy [1.79]	URI [0.84]	Vit A [0.3]	Urticaria [0.87]	ASD [0.8]	Oth Neuro [2.52]	LRI [1.48]
El Salvador	Neonatal [1.33]	Diarrhea [2.08]	Iron [1.1]	Vit A [0.86]	Congenital [0.77]	Epilepsy [1.51]	URI [0.88]	Urticaria [0.85]	ASD [0.85]	Oth Neuro [2.13]
Guatemala	Neonatal [1.22]	Diarrhea [2.17]	Iron [1.41]	Congenital [0.79]	Vit A [0.39]	Epilepsy [1.06]	Urticaria [0.88]	URI [0.81]	ASD [0.89]	Oth NTD [1.34]
Honduras	Neonatal [1.32]	Diarrhea [2.3]	Iron [1.29]	Congenital [0.77]	Vit A [0.34]	Epilepsy [1.69]	URI [0.93]	Urticaria [0.88]	Oth Neuro [2.38]	ASD [0.91]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Mexico	Neonatal [1.39]	Diarrhea [1.36]	Vit A [0.74]	Congenital [0.72]	Epilepsy [2.25]	URI [0.88]	Urticaria [0.87]	Oth Neuro [3.17]	ASD [0.89]	Iron [0.15]
Aguascalientes	Neonatal [1.43]	Diarrhea [1.57]	Vit A [1.0]	Congenital [0.78]	Epilepsy [2.45]	URI [0.87]	Urticaria [0.89]	Oth Neuro [3.46]	ASD [0.83]	Iron [0.18]
Baja CA	Neonatal [1.36]	Vit A [0.86]	Diarrhea [1.08]	Congenital [0.74]	Epilepsy [2.35]	URI [0.86]	Urticaria [0.89]	Oth Neuro [3.31]	ASD [0.84]	Iron [0.2]
Baja CA Sur	Neonatal [1.46]	Diarrhea [1.51]	Vit A [0.74]	Congenital [0.69]	Epilepsy [2.37]	URI [0.86]	Urticaria [0.89]	Oth Neuro [3.33]	ASD [0.84]	Whooping [1.42]
Campeche	Neonatal [1.45]	Diarrhea [1.51]	Vit A [0.62]	Congenital [0.73]	Epilepsy [2.05]	URI [0.89]	Urticaria [0.87]	Oth Neuro [2.88]	ASD [0.87]	Iron [0.18]
Chiapas	Neonatal [1.3]	Diarrhea [1.4]	Vit A [0.63]	Congenital [0.72]	Epilepsy [2.04]	URI [0.93]	Urticaria [0.9]	Oth Neuro [2.87]	ASD [0.94]	PEM [0.4]
Chihuahua	Neonatal [1.32]	Diarrhea [1.64]	Congenital [0.78]	Epilepsy [2.38]	Vit A [0.51]	URI [0.87]	Urticaria [0.88]	Oth Neuro [3.35]	ASD [0.85]	Iron [0.15]
Coahuila	Neonatal [1.21]	Diarrhea [1.84]	Congenital [0.7]	Epilepsy [2.33]	Vit A [0.4]	URI [0.87]	Urticaria [0.88]	Oth Neuro [3.28]	ASD [0.84]	Whooping [1.33]
Colima	Neonatal [1.51]	Vit A [1.18]	Diarrhea [1.29]	Congenital [0.7]	Epilepsy [2.36]	PEM [7.75]	Iron [0.39]	URI [0.87]	Urticaria [0.88]	Oth Neuro [3.33]
Mexico City	Neonatal [1.58]	Diarrhea [1.58]	Vit A [1.33]	Congenital [0.76]	Epilepsy [3.03]	URI [0.83]	Oth Neuro [4.27]	Urticaria [0.94]	ASD [0.79]	Whooping [2.23]
Durango	Neonatal [1.26]	Diarrhea [1.34]	Vit A [0.66]	Congenital [0.74]	Epilepsy [2.21]	Iron [0.33]	URI [0.89]	Urticaria [0.87]	Oth Neuro [3.11]	ASD [0.86]
Guanajuato	Neonatal [1.24]	Vit A [0.99]	Diarrhea [1.19]	Congenital [0.75]	Epilepsy [2.24]	ASD [1.52]	URI [0.89]	Urticaria [0.87]	Oth Neuro [3.15]	Iron [0.19]
Guerrero	Neonatal [1.4]	Vit A [0.79]	Diarrhea [1.11]	Congenital [0.69]	Epilepsy [1.98]	URI [0.93]	Urticaria [0.89]	Oth Neuro [2.79]	ASD [0.92]	Iron [0.11]
Hidalgo	Neonatal [1.57]	Diarrhea [0.91]	Congenital [0.74]	Epilepsy [2.1]	Vit A [0.34]	URI [0.92]	Urticaria [0.88]	Oth Neuro [2.95]	ASD [0.9]	Whooping [0.79]
Jalisco	Neonatal [1.4]	Diarrhea [1.24]	Congenital [0.75]	Vit A [0.7]	Epilepsy [2.87]	Oth Neuro [4.04]	URI [0.87]	Urticaria [0.89]	ASD [0.84]	Whooping [1.28]
Mexico	Neonatal [1.61]	Diarrhea [1.39]	Vit A [0.81]	Congenital [0.64]	Epilepsy [2.26]	URI [0.88]	Urticaria [0.88]	Oth Neuro [3.18]	ASD [0.85]	Iron [0.21]
Michoacan	Neonatal [1.16]	Vit A [0.79]	Diarrhea [1.02]	Congenital [0.69]	Epilepsy [2.04]	URI [0.92]	Urticaria [0.87]	Oth Neuro [2.87]	ASD [0.9]	Iron [0.16]
Morelos	Neonatal [1.35]	Diarrhea [1.16]	Congenital [0.76]	Vit A [0.68]	Epilepsy [2.25]	URI [0.88]	Urticaria [0.88]	Oth Neuro [3.17]	ASD [0.85]	Iron [0.09]
Nayarit	Neonatal [1.47]	Diarrhea [1.37]	Congenital [0.74]	Epilepsy [2.1]	Vit A [0.38]	URI [0.89]	Urticaria [0.87]	Oth Neuro [2.96]	ASD [0.86]	Whooping [1.01]
Nuevo Leon	Neonatal [1.19]	Diarrhea [1.39]	Vit A [1.07]	Congenital [0.7]	Epilepsy [2.5]	URI [0.85]	Urticaria [0.9]	Oth Neuro [3.53]	Iron [0.35]	ASD [0.82]
Oaxaca	Neonatal [1.29]	Diarrhea [1.21]	Congenital [0.75]	Vit A [0.38]	Epilepsy [2.19]	URI [0.93]	Urticaria [0.89]	Oth Neuro [3.09]	ASD [0.92]	LRI [1.15]
Puebla	Neonatal [1.22]	Diarrhea [1.27]	Congenital [0.73]	Vit A [0.44]	Epilepsy [1.27]	URI [0.92]	Urticaria [0.87]	ASD [0.9]	Iron [0.18]	Oth Neuro [1.8]
Queretaro	Neonatal [1.45]	Diarrhea [1.19]	Congenital [0.72]	Epilepsy [2.3]	Vit A [0.49]	URI [0.87]	Urticaria [0.88]	Oth Neuro [3.23]	ASD [0.85]	Zika [5693.67]
Quintana Roo	Neonatal [1.7]	Diarrhea [1.76]	Congenital [0.74]	Vit A [0.53]	Epilepsy [2.22]	URI [0.88]	Urticaria [0.87]	Oth Neuro [3.13]	ASD [0.86]	LRI [1.39]
San Luis Potosi	Neonatal [1.22]	Diarrhea [1.18]	Vit A [0.77]	Congenital [0.79]	Epilepsy [2.35]	URI [0.89]	Urticaria [0.87]	Oth Neuro [3.31]	ASD [0.87]	Iron [0.13]
Sinaloa	Neonatal [1.3]	Diarrhea [1.43]	Vit A [0.69]	Congenital [0.69]	Epilepsy [2.25]	URI [0.87]	Urticaria [0.88]	Oth Neuro [3.17]	ASD [0.84]	Zika [6292.53]
Sonora	Neonatal [1.28]	Diarrhea [1.49]	Congenital [0.78]	Vit A [0.64]	Epilepsy [2.37]	URI [0.87]	Iron [0.35]	Urticaria [0.88]	Oth Neuro [3.34]	ASD [0.84]
Tabasco	Neonatal [1.46]	Diarrhea [1.7]	Vit A [0.86]	Congenital [0.8]	Epilepsy [2.16]	URI [0.89]	Urticaria [0.87]	Oth Neuro [3.04]	ASD [0.87]	Iron [0.1]
Tamaulipas	Neonatal [1.5]	Diarrhea [1.58]	Vit A [0.79]	Congenital [0.72]	Epilepsy [2.23]	URI [0.87]	Urticaria [0.88]	Oth Neuro [3.14]	ASD [0.84]	Whooping [1.17]
Tlaxcala	Neonatal [1.44]	Diarrhea [1.24]	Congenital [0.78]	Epilepsy [2.24]	Vit A [0.39]	URI [0.9]	Urticaria [0.87]	Oth Neuro [3.15]	ASD [0.88]	Whooping [0.91]
Veracruz	Neonatal [1.42]	Diarrhea [1.19]	Vit A [0.61]	Congenital [0.75]	Epilepsy [2.09]	URI [0.91]	Urticaria [0.87]	Oth Neuro [2.94]	ASD [0.9]	PEM [0.87]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Yucatan	Neonatal [1.28]	Diarrhea [1.32]	Congenital [0.74]	Epilepsy [2.26]	Vit A [0.4]	URI [0.88]	Urticaria [0.88]	Oth Neuro [3.18]	ASD [0.86]	Iron [0.18]
Zacatecas	Neonatal [0.97]	Diarrhea [1.13]	Congenital [0.69]	Epilepsy [2.25]	Vit A [0.42]	URI [0.9]	Urticaria [0.87]	Oth Neuro [3.17]	ASD [0.88]	Whooping [0.97]
Nicaragua	Neonatal [1.26]	Diarrhea [1.93]	Iron [0.84]	Congenital [0.81]	Epilepsy [1.36]	Urticaria [0.88]	URI [0.79]	ASD [0.9]	Vit A [0.11]	Oth Neuro [1.92]
Panama	Diarrhea [3.49]	Neonatal [1.33]	Congenital [0.69]	Iron [0.64]	Vit A [0.5]	Epilepsy [1.41]	URI [0.83]	Urticaria [0.88]	ASD [0.79]	Oth Neuro [1.99]
Venezuela	Diarrhea [3.68]	Neonatal [1.42]	Congenital [0.71]	PEM [8.95]	Epilepsy [1.8]	Vit A [0.31]	URI [0.84]	Urticaria [0.86]	ASD [0.77]	Oth Neuro [2.55]
Tropical Latin America	Neonatal [0.92]	Vit A [1.04]	Congenital [0.78]	Diarrhea [0.95]	Iron [0.83]	URI [0.86]	Epilepsy [1.18]	Urticaria [0.89]	ASD [0.79]	Scabies [2.76]
Brazil	Neonatal [0.93]	Vit A [1.06]	Congenital [0.78]	Diarrhea [0.92]	Iron [0.88]	URI [0.86]	Epilepsy [1.2]	Urticaria [0.89]	ASD [0.79]	Scabies [2.85]
Acre	Neonatal [0.91]	Vit A [0.98]	Diarrhea [1.11]	Congenital [0.92]	Iron [0.68]	URI [0.91]	Urticaria [0.87]	Epilepsy [0.92]	ASD [0.85]	Scabies [1.77]
Alagoas	Vit A [1.0]	Neonatal [0.75]	Diarrhea [0.98]	Congenital [0.82]	Iron [0.24]	URI [0.93]	Urticaria [0.89]	Epilepsy [0.89]	ASD [0.89]	Scabies [1.76]
Amapa	Neonatal [0.93]	Vit A [1.09]	Iron [1.1]	Congenital [0.75]	Diarrhea [0.86]	URI [0.87]	Urticaria [0.88]	Epilepsy [1.04]	ASD [0.79]	Scabies [2.7]
Amazonas	Neonatal [0.79]	Vit A [0.87]	Iron [0.89]	Congenital [0.76]	Diarrhea [0.87]	URI [0.88]	Urticaria [0.87]	Epilepsy [0.96]	ASD [0.82]	Scabies [2.34]
Bahia	Neonatal [0.85]	Vit A [1.02]	Diarrhea [0.99]	Congenital [0.82]	Iron [0.65]	URI [0.91]	Urticaria [0.87]	Epilepsy [0.93]	ASD [0.86]	Scabies [1.88]
Ceara	Neonatal [0.81]	Vit A [0.86]	Congenital [0.83]	Iron [0.73]	Diarrhea [0.86]	URI [0.91]	Urticaria [0.87]	Epilepsy [0.92]	Scabies [2.31]	ASD [0.85]
Distrito Federal	Neonatal [1.13]	Congenital [0.81]	Diarrhea [1.08]	Vit A [1.6]	Iron [1.64]	URI [0.79]	Urticaria [1.04]	Epilepsy [1.46]	ASD [0.73]	Scabies [6.92]
Espirito Santo	Neonatal [0.9]	Iron [1.6]	Vit A [1.2]	Congenital [0.73]	Diarrhea [0.81]	URI [0.85]	Urticaria [0.89]	Epilepsy [1.11]	ASD [0.79]	Scabies [2.95]
Goias	Neonatal [0.81]	Vit A [1.01]	Iron [0.98]	Congenital [0.75]	Diarrhea [0.81]	URI [0.87]	Urticaria [0.88]	Epilepsy [1.03]	ASD [0.81]	Scabies [2.56]
Maranhao	Vit A [0.8]	Neonatal [0.74]	Iron [0.53]	Diarrhea [0.72]	Congenital [0.78]	URI [0.93]	Urticaria [0.91]	Epilepsy [0.8]	ASD [0.91]	Scabies [1.69]
Mato Grosso	Neonatal [0.86]	Vit A [0.92]	Congenital [0.75]	Diarrhea [0.96]	Iron [0.93]	URI [0.86]	Urticaria [0.89]	Epilepsy [1.06]	ASD [0.8]	Scabies [2.72]
Mato Grosso do Sul	Neonatal [0.95]	Congenital [0.85]	Vit A [0.8]	Diarrhea [1.0]	Iron [0.67]	URI [0.86]	Urticaria [0.88]	Epilepsy [1.05]	ASD [0.8]	Scabies [2.55]
Minas Gerais	Neonatal [0.94]	Vit A [0.98]	Iron [0.98]	Congenital [0.76]	Diarrhea [0.91]	URI [0.86]	Urticaria [0.88]	Epilepsy [1.09]	ASD [0.8]	Scabies [2.71]
Para	Neonatal [0.79]	Vit A [0.89]	Diarrhea [1.05]	Iron [0.78]	Congenital [0.78]	URI [0.92]	Urticaria [0.88]	Epilepsy [0.88]	ASD [0.87]	Scabies [1.96]
Paraiba	Neonatal [0.73]	Vit A [0.88]	Iron [0.89]	Diarrhea [0.86]	Congenital [0.84]	URI [0.92]	Urticaria [0.88]	Epilepsy [0.86]	ASD [0.87]	Scabies [1.81]
Parana	Neonatal [0.95]	Vit A [0.99]	Congenital [0.81]	Iron [1.08]	Diarrhea [0.79]	URI [0.85]	Urticaria [0.9]	Epilepsy [1.15]	ASD [0.78]	Scabies [3.06]
Pernambuco	Neonatal [0.81]	Vit A [1.06]	Iron [0.81]	Congenital [0.82]	Diarrhea [0.81]	URI [0.91]	Urticaria [0.87]	Epilepsy [0.94]	ASD [0.86]	Scabies [1.91]
Piaui	Neonatal [0.82]	Diarrhea [0.81]	Congenital [0.82]	Vit A [0.31]	URI [0.93]	Iron [0.2]	Urticaria [0.89]	Epilepsy [0.87]	ASD [0.89]	Scabies [1.73]
Rio de Janeiro	Neonatal [1.22]	Vit A [1.06]	Congenital [0.72]	Diarrhea [0.73]	Epilepsy [1.81]	Iron [0.65]	URI [0.83]	Urticaria [0.93]	ASD [0.76]	Scabies [3.8]
Rio Grande do Norte	Neonatal [0.75]	Vit A [1.01]	Diarrhea [1.12]	Iron [0.8]	Congenital [0.78]	URI [0.9]	Urticaria [0.87]	Epilepsy [0.94]	ASD [0.84]	Scabies [1.98]
Rio Grande do Sul	Neonatal [1.0]	Congenital [1.08]	Vit A [1.14]	Iron [1.41]	Epilepsy [2.67]	Diarrhea [0.72]	URI [0.84]	Urticaria [0.91]	Oth Neuro [3.77]	Scabies [3.41]
Rondonia	Neonatal [0.93]	Congenital [1.1]	Vit A [0.84]	Diarrhea [0.78]	Iron [0.46]	URI [0.88]	Urticaria [0.87]	Epilepsy [0.94]	ASD [0.83]	Scabies [2.38]
Roraima	Neonatal [0.99]	Vit A [0.98]	Congenital [0.77]	Diarrhea [0.94]	Iron [0.54]	URI [0.87]	Urticaria [0.88]	Epilepsy [1.0]	ASD [0.81]	Scabies [2.49]
Santa Catarina	Neonatal [0.89]	Iron [1.42]	Congenital [0.79]	Vit A [0.99]	Diarrhea [0.8]	URI [0.84]	Urticaria [0.92]	Epilepsy [1.13]	ASD [0.76]	Scabies [3.53]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Sao Paulo	Neonatal [1.05]	Congenital [0.69]	Diarrhea [0.7]	Vit A [0.56]	Epilepsy [1.51]	URI [0.83]	Urticaria [0.94]	Iron [0.45]	ASD [0.76]	Scabies [4.07]
Sergipe	Neonatal [0.94]	Vit A [1.21]	Iron [1.08]	Congenital [0.78]	Diarrhea [0.8]	URI [0.89]	Urticaria [0.87]	Epilepsy [0.96]	ASD [0.83]	Scabies [2.09]
Tocantins	Neonatal [0.91]	Vit A [0.85]	Iron [0.79]	Diarrhea [0.88]	Congenital [0.76]	URI [0.9]	Urticaria [0.87]	Epilepsy [0.92]	ASD [0.84]	Scabies [2.04]
Paraguay	Neonatal [0.82]	Diarrhea [1.65]	Vit A [0.98]	Congenital [0.8]	URI [0.87]	Iron [0.28]	Epilepsy [1.08]	Urticaria [0.86]	ASD [0.83]	Scabies [2.11]
North Africa and Middle East	Neonatal [1.15]	Vit A [1.47]	Diarrhea [1.81]	Iron [1.41]	Congenital [0.91]	PEM [8.12]	Hernia [2.66]	Epilepsy [1.37]	URI [0.9]	Urticaria [0.92]
Afghanistan	Vit A [0.57]	Neonatal [0.82]	Diarrhea [1.19]	Congenital [0.96]	Iron [0.34]	ID [4.8]	PEM [0.3]	Epilepsy [1.01]	Hernia [5.68]	URI [1.05]
Algeria	Neonatal [1.23]	Diarrhea [1.74]	Congenital [0.86]	Vit A [1.03]	PEM [38.57]	Hernia [2.16]	URI [0.88]	Epilepsy [1.38]	Urticaria [0.96]	ASD [0.64]
Bahrain	Neonatal [1.09]	Congenital [0.77]	Diarrhea [1.06]	Hernia [1.83]	Vit A [0.5]	URI [0.87]	Epilepsy [1.48]	Urticaria [0.98]	ASD [0.63]	Blindness [2.0]
Egypt	Neonatal [1.14]	Diarrhea [2.09]	Iron [1.51]	Congenital [0.89]	Vit A [0.59]	Hernia [3.21]	Epilepsy [1.47]	Urticaria [0.94]	ID [3.91]	URI [0.67]
Iran	Neonatal [1.47]	Congenital [1.02]	Diarrhea [1.02]	Vit A [0.65]	Hernia [2.18]	Epilepsy [1.73]	PEM [19.62]	URI [0.9]	Iron [0.52]	Urticaria [0.98]
Iraq	Neonatal [1.14]	Vit A [1.15]	Iron [0.92]	Diarrhea [0.91]	Congenital [0.87]	PEM [2.88]	Hernia [3.55]	Epilepsy [1.23]	URI [0.96]	Urticaria [0.91]
Jordan	Neonatal [1.47]	Vit A [2.17]	Iron [1.8]	Diarrhea [1.37]	Congenital [0.8]	Hernia [2.35]	Epilepsy [1.31]	Urticaria [0.95]	URI [0.62]	Hemog [2.94]
Kuwait	Neonatal [1.31]	Congenital [0.82]	Diarrhea [1.53]	Iron [2.55]	Vit A [1.29]	Hernia [1.24]	URI [0.84]	Epilepsy [1.67]	Urticaria [1.09]	ASD [0.61]
Lebanon	Neonatal [1.13]	Diarrhea [2.07]	Congenital [0.85]	Hernia [1.86]	Vit A [0.59]	URI [0.87]	Urticaria [1.0]	Epilepsy [1.35]	Iron [0.57]	ASD [0.64]
Libya	Neonatal [1.15]	Diarrhea [2.2]	Congenital [0.87]	Vit A [1.37]	Iron [1.42]	Hernia [1.65]	URI [0.85]	Urticaria [1.04]	Epilepsy [0.99]	ID [3.92]
Morocco	Neonatal [1.09]	Vit A [1.03]	Diarrhea [1.42]	Congenital [0.91]	Hernia [3.56]	Iron [0.3]	URI [1.05]	Epilepsy [1.18]	Urticaria [0.92]	ID [2.77]
Palestine	Neonatal [0.96]	Vit A [0.62]	Diarrhea [0.93]	Congenital [0.87]	Iron [0.35]	Hernia [4.01]	URI [0.99]	Epilepsy [1.04]	Urticaria [0.94]	ID [3.26]
Oman	Neonatal [1.2]	Diarrhea [1.7]	PEM [142.21]	Vit A [1.68]	Congenital [0.89]	Iron [1.44]	Hernia [1.59]	URI [0.85]	Epilepsy [1.49]	Urticaria [1.02]
Qatar	Neonatal [1.12]	Congenital [0.82]	Diarrhea [1.03]	URI [0.85]	Vit A [0.74]	Epilepsy [1.66]	Urticaria [1.05]	Hernia [0.99]	Blindness [2.39]	ASD [0.61]
Saudi Arabia	Neonatal [0.95]	Diarrhea [1.77]	Congenital [0.93]	Vit A [1.03]	Hernia [1.35]	URI [0.84]	Epilepsy [1.79]	Urticaria [1.08]	ASD [0.61]	Oth Neuro [2.54]
Sudan	Diarrhea [1.94]	Vit A [0.94]	Neonatal [0.95]	Iron [0.88]	PEM [3.41]	Congenital [0.97]	Hemog [2.25]	ID [4.95]	Hernia [4.78]	Epilepsy [1.18]
Syria	Neonatal [1.06]	Vit A [0.84]	Congenital [0.86]	Iron [0.82]	Diarrhea [0.78]	Hernia [3.05]	URI [0.94]	Epilepsy [1.14]	PEM [2.43]	Urticaria [0.91]
Tunisia	Neonatal [1.08]	Iron [1.62]	Diarrhea [1.53]	Congenital [0.81]	Hernia [2.37]	URI [0.9]	Urticaria [0.94]	Vit A [0.27]	Epilepsy [1.02]	Hemog [2.49]
Turkey	Neonatal [0.98]	Congenital [0.79]	Vit A [1.12]	Diarrhea [1.03]	Hernia [1.96]	URI [1.03]	Epilepsy [1.66]	Urticaria [0.97]	ASD [0.63]	Oth Neuro [2.36]
UAE	Neonatal [1.21]	Diarrhea [2.12]	Congenital [0.87]	PEM [557.19]	Vit A [1.57]	Epilepsy [1.98]	Hernia [1.2]	URI [0.83]	Iron [1.39]	Urticaria [1.11]
Yemen	Iron [3.01]	Vit A [2.15]	Diarrhea [2.13]	Neonatal [0.97]	PEM [3.18]	Congenital [0.93]	Hemog [2.57]	Oth NTD [2.28]	ID [5.06]	Oth Un Inf [3.12]
South Asia	Vit A [1.71]	Neonatal [1.45]	Iron [1.69]	PEM [5.26]	Congenital [0.96]	Diarrhea [0.64]	ID [6.3]	Hemog [2.22]	URI [0.92]	Urticaria [0.89]
Bangladesh	Iron [1.63]	Neonatal [1.3]	Vit A [0.51]	Congenital [0.94]	PEM [1.23]	Diarrhea [0.43]	URI [1.18]	Hemog [1.57]	Oth NTD [1.3]	Urticaria [0.95]
Bhutan	Iron [3.49]	Neonatal [1.51]	Vit A [1.21]	Congenital [0.8]	Diarrhea [0.71]	Oth NTD [4.06]	Hemog [2.21]	URI [0.92]	Epilepsy [1.08]	Oth Un Inf [3.44]
India	Vit A [2.21]	Neonatal [1.45]	Iron [1.5]	PEM [7.4]	Congenital [1.01]	ID [8.37]	Diarrhea [0.61]	Hemog [2.34]	URI [0.9]	Urticaria [0.88]
Andhra Pradesh	Vit A [1.99]	Neonatal [1.49]	PEM [9.29]	Iron [1.18]	Congenital [0.96]	ID [6.95]	Diarrhea [0.52]	Hemog [1.98]	URI [0.9]	Urticaria [0.89]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Arunachal Pradesh	Vit A [2.03]	Neonatal [1.47]	PEM [11.2]	Iron [1.53]	Congenital [0.97]	ID [6.86]	Diarrhea [0.53]	Hemog [2.09]	URI [0.9]	Urticaria [0.88]
Assam	Vit A [1.62]	Neonatal [1.42]	PEM [3.84]	Congenital [1.05]	Iron [0.62]	ID [8.88]	Diarrhea [0.56]	URI [0.91]	Hemog [1.64]	Skin Fung [2.62]
Bihar	Vit A [1.53]	Neonatal [1.28]	Iron [1.2]	PEM [2.64]	Congenital [1.04]	ID [9.54]	Diarrhea [0.61]	Hemog [1.79]	URI [0.93]	Urticaria [0.94]
Chhattisgarh	Vit A [1.82]	Neonatal [1.43]	Iron [0.92]	PEM [3.99]	Congenital [1.0]	ID [7.76]	Diarrhea [0.46]	Hemog [2.0]	URI [0.91]	Urticaria [0.9]
Delhi	Iron [9.58]	Vit A [4.48]	Neonatal [1.66]	PEM [155.11]	Congenital [0.81]	Diarrhea [1.0]	Oth NTD [3588.08]	Hemog [7.66]	Oth Un Inf [8.9]	ID [6.08]
Goa	Neonatal [1.96]	Iron [6.15]	PEM [313.89]	Vit A [3.53]	Congenital [0.84]	Diarrhea [0.96]	URI [0.79]	ID [5.68]	Hemog [5.34]	Urticaria [0.96]
Gujarat	Vit A [2.47]	PEM [17.06]	Neonatal [1.54]	Iron [1.86]	Congenital [0.95]	Diarrhea [0.61]	ID [6.67]	Hemog [2.57]	URI [0.89]	Urticaria [0.87]
Haryana	Vit A [3.0]	Iron [3.45]	Neonatal [1.54]	Congenital [0.92]	PEM [6.21]	Diarrhea [0.64]	Hemog [3.56]	ID [5.88]	Oth NTD [5.96]	URI [0.88]
Himachal Pradesh	Vit A [3.19]	Neonatal [1.71]	Iron [1.72]	PEM [17.53]	Congenital [0.88]	Diarrhea [0.62]	ID [6.97]	Hemog [3.44]	URI [0.85]	Urticaria [0.87]
Jammu & Kashmir	Vit A [2.81]	Neonatal [1.46]	Iron [1.6]	Congenital [0.96]	PEM [4.67]	ID [8.33]	Diarrhea [0.57]	Hemog [2.74]	URI [0.89]	Urticaria [0.87]
Jharkhand	Vit A [1.86]	Iron [1.64]	Neonatal [1.4]	PEM [4.38]	Congenital [1.01]	ID [7.85]	Diarrhea [0.52]	Hemog [2.12]	URI [0.91]	Oth NTD [1.49]
Karnataka	Vit A [2.37]	Neonatal [1.68]	PEM [12.95]	Iron [1.87]	Congenital [0.92]	Diarrhea [0.55]	ID [6.8]	Hemog [2.42]	Epilepsy [1.2]	URI [0.89]
Kerala	Neonatal [1.96]	PEM [49.93]	Vit A [2.28]	Iron [1.33]	Congenital [0.85]	ID [6.84]	Diarrhea [0.45]	URI [0.84]	Urticaria [0.89]	Hemog [2.28]
Madhya Pradesh	Vit A [1.72]	Neonatal [1.3]	PEM [5.34]	Iron [1.3]	Congenital [1.03]	ID [8.58]	Diarrhea [0.52]	Hemog [1.96]	URI [0.92]	Urticaria [0.91]
Maharashtra	Vit A [2.53]	Neonatal [1.6]	PEM [29.24]	Iron [1.7]	Congenital [0.91]	Diarrhea [0.71]	ID [6.94]	URI [0.86]	Hemog [2.45]	Urticaria [0.86]
Manipur	Neonatal [1.61]	Vit A [1.76]	Congenital [0.97]	Iron [0.79]	PEM [4.67]	ID [9.09]	Diarrhea [0.66]	URI [0.89]	Urticaria [0.87]	Epilepsy [0.79]
Meghalaya	Neonatal [1.57]	Vit A [1.84]	PEM [8.23]	Iron [1.0]	Congenital [0.99]	ID [8.2]	Diarrhea [0.62]	URI [0.91]	Urticaria [0.88]	Hemog [1.74]
Mizoram	Neonatal [1.66]	PEM [20.52]	Vit A [1.64]	Congenital [0.93]	Diarrhea [0.73]	ID [8.07]	Iron [0.44]	URI [0.88]	Urticaria [0.87]	Epilepsy [0.88]
Nagaland	Neonatal [1.79]	Vit A [2.37]	PEM [23.5]	Iron [1.11]	Congenital [0.93]	Diarrhea [0.63]	ID [7.4]	Iodine [91.63]	URI [0.85]	Urticaria [0.87]
Odisha	Vit A [1.76]	Neonatal [1.39]	PEM [7.67]	Iron [1.05]	Congenital [1.03]	Diarrhea [0.64]	ID [8.29]	Hemog [1.88]	URI [0.91]	Urticaria [0.89]
Punjab	Vit A [2.65]	Neonatal [1.57]	Iron [2.11]	PEM [10.75]	Congenital [0.92]	Diarrhea [0.63]	ID [6.77]	Hemog [2.95]	URI [0.86]	Urticaria [0.87]
Rajasthan	Vit A [1.75]	Neonatal [1.29]	PEM [3.96]	Iron [0.88]	Congenital [1.0]	ID [8.1]	Diarrhea [0.53]	Hemog [1.76]	URI [0.92]	Urticaria [0.91]
Sikkim	Neonatal [1.68]	Vit A [2.48]	Iron [1.9]	Congenital [0.88]	Diarrhea [0.75]	PEM [6.06]	ID [6.03]	URI [0.86]	Hemog [2.61]	Urticaria [0.87]
Tamil Nadu	PEM [26.82]	Neonatal [1.51]	Vit A [2.03]	Iron [1.62]	Congenital [0.8]	ID [7.22]	Diarrhea [0.51]	URI [0.86]	Urticaria [0.87]	Hemog [2.18]
Telangana	Vit A [2.47]	Neonatal [1.55]	PEM [13.97]	Iron [1.8]	Congenital [0.93]	ID [6.9]	Diarrhea [0.5]	Hemog [2.49]	URI [0.89]	Urticaria [0.87]
Tripura	Vit A [2.11]	Neonatal [1.47]	PEM [10.01]	Iron [1.47]	Congenital [0.97]	ID [8.19]	Diarrhea [0.58]	Hemog [2.13]	URI [0.91]	Urticaria [0.88]
Uttar Pradesh	Vit A [2.0]	Neonatal [1.29]	Iron [1.31]	PEM [2.78]	Congenital [1.11]	ID [8.65]	Diarrhea [0.64]	Hemog [2.24]	URI [0.91]	Urticaria [0.91]
Uttarakhand	Vit A [2.88]	Neonatal [1.67]	Iron [2.64]	PEM [7.68]	Congenital [0.93]	Diarrhea [0.71]	ID [6.5]	Hemog [3.17]	URI [0.88]	Urticaria [0.84]
W Bengal	Vit A [1.99]	Neonatal [1.34]	PEM [7.01]	Iron [1.33]	Congenital [0.98]	ID [9.08]	Diarrhea [0.41]	Hemog [2.01]	URI [0.91]	Urticaria [0.89]
UTs other than Delhi	Neonatal [1.81]	Vit A [3.19]	Iron [2.37]	PEM [23.24]	Congenital [0.87]	Diarrhea [0.64]	ID [6.07]	Hemog [3.53]	URI [0.84]	Urticaria [0.88]
Nepal	Neonatal [1.4]	Iron [1.31]	Vit A [0.55]	Congenital [0.84]	Diarrhea [0.42]	Epilepsy [1.22]	URI [0.98]	Urticaria [1.0]	Oth NTD [0.97]	ID [2.29]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Pakistan	Iron [2.25]	Neonatal [1.48]	Vit A [0.64]	Diarrhea [0.88]	Congenital [0.78]	PEM [1.63]	Hemog [2.14]	Oth NTD [1.91]	Epilepsy [1.16]	URI [0.88]
Southeast Asia, East Asia, and Oceania	Neonatal [1.17]	Diarrhea [1.52]	Vit A [1.01]	Congenital [0.81]	Iron [0.73]	PEM [17.04]	URI [0.92]	Urticaria [0.84]	Epilepsy [0.89]	ASD [0.72]
East Asia	Neonatal [1.42]	Diarrhea [1.68]	Congenital [0.72]	Vit A [0.84]	URI [0.86]	Other MN [22.29]	Urticaria [0.85]	Iron [0.35]	ASD [0.72]	Scabies [3.79]
China	Neonatal [1.42]	Diarrhea [1.6]	Congenital [0.71]	Vit A [0.81]	URI [0.87]	Other MN [23.24]	Urticaria [0.84]	ASD [0.72]	Iron [0.32]	Scabies [3.65]
N Korea	Diarrhea [3.16]	Iron [0.88]	Neonatal [0.61]	Vit A [0.64]	Congenital [0.85]	PEM [1.53]	URI [0.95]	Urticaria [0.8]	Scabies [1.7]	Epilepsy [0.63]
Taiwan	Diarrhea [4.19]	Neonatal [0.73]	Congenital [0.97]	URI [0.82]	Urticaria [1.15]	Other MN [7.34]	Epilepsy [1.44]	Vit A [1.45]	Scabies [13.27]	ASD [0.54]
Oceania	Iron [1.82]	Diarrhea [1.52]	Vit A [0.61]	PEM [2.88]	Neonatal [0.64]	Congenital [0.97]	URI [0.96]	Oth NTD [1.46]	Hemog [1.27]	Scabies [2.28]
Am Samoa	Diarrhea [1.83]	Neonatal [0.68]	Vit A [1.16]	Congenital [0.78]	Iron [0.67]	URI [0.85]	Urticaria [0.85]	Scabies [3.77]	Epilepsy [0.85]	PEM [9.68]
Micronesia	Vit A [1.65]	Diarrhea [1.33]	Neonatal [0.62]	Congenital [0.91]	PEM [1.72]	URI [0.94]	Urticaria [0.81]	Iron [0.18]	Scabies [2.22]	Epilepsy [0.68]
Fiji	Diarrhea [2.17]	Iron [1.74]	Vit A [1.22]	Neonatal [0.71]	Congenital [0.81]	PEM [9.23]	URI [0.88]	Urticaria [0.81]	Scabies [3.17]	Epilepsy [0.81]
Guam	Diarrhea [3.51]	Neonatal [0.83]	Vit A [3.13]	Congenital [0.76]	URI [0.81]	Urticaria [0.98]	Scabies [8.39]	Epilepsy [1.04]	ASD [0.62]	Iron [0.64]
Kiribati	Vit A [0.95]	Diarrhea [1.37]	Neonatal [0.59]	PEM [1.66]	Iron [0.49]	Congenital [0.98]	URI [0.98]	Scabies [2.25]	Urticaria [0.88]	Epilepsy [0.62]
Marshall	Vit A [2.06]	Diarrhea [1.3]	Iron [0.87]	Neonatal [0.62]	Congenital [0.91]	PEM [1.54]	URI [0.94]	Urticaria [0.82]	Scabies [2.16]	Epilepsy [0.66]
N Mariana	Diarrhea [2.74]	Neonatal [0.84]	Congenital [0.76]	Vit A [1.15]	URI [0.82]	Iron [0.88]	Urticaria [0.92]	Scabies [6.37]	ASD [0.63]	Epilepsy [0.92]
PNG	Iron [1.86]	Diarrhea [1.44]	PEM [2.46]	Neonatal [0.62]	Vit A [0.45]	Congenital [0.97]	Oth NTD [1.28]	URI [0.98]	Hemog [1.29]	Scabies [2.36]
Samoa	Vit A [1.22]	Diarrhea [1.41]	Iron [1.06]	Neonatal [0.62]	Congenital [0.84]	URI [0.93]	Urticaria [0.82]	Scabies [2.2]	Epilepsy [0.7]	ASD [0.74]
Solomon	Vit A [1.06]	Diarrhea [1.21]	Iron [0.6]	Neonatal [0.56]	Congenital [0.93]	PEM [0.6]	URI [0.98]	Urticaria [0.88]	Scabies [2.25]	Malaria [6.56]
Tonga	Vit A [1.19]	Neonatal [0.66]	Diarrhea [1.4]	Congenital [0.83]	PEM [6.67]	URI [0.9]	Urticaria [0.81]	Scabies [2.81]	Iron [0.19]	Epilepsy [0.71]
Vanuatu	Vit A [1.08]	Diarrhea [1.23]	Neonatal [0.6]	Iron [0.62]	Congenital [0.91]	PEM [0.93]	URI [0.96]	Urticaria [0.86]	Scabies [2.06]	Epilepsy [0.63]
Southeast Asia	Neonatal [0.79]	Vit A [1.18]	PEM [17.56]	Diarrhea [1.24]	Congenital [0.99]	Iron [1.03]	URI [1.03]	Epilepsy [1.08]	Urticaria [0.84]	Scabies [2.77]
Cambodia	Iron [1.8]	Neonatal [0.73]	Vit A [0.63]	Diarrhea [0.97]	Congenital [1.07]	PEM [1.28]	Hemog [2.0]	Epilepsy [1.2]	Oth NTD [1.54]	URI [0.86]
Indonesia	PEM [40.22]	Neonatal [0.81]	Diarrhea [1.74]	Vit A [1.07]	Congenital [0.95]	URI [1.12]	Urticaria [0.85]	Epilepsy [1.08]	Scabies [2.93]	ASD [0.71]
Laos	Vit A [0.86]	Neonatal [0.74]	Congenital [1.12]	Diarrhea [0.97]	Iron [0.45]	URI [0.95]	Epilepsy [0.99]	Urticaria [0.85]	Scabies [1.92]	ASD [0.83]
Malaysia	Neonatal [0.89]	PEM [280.02]	Diarrhea [1.67]	Congenital [0.9]	Iron [1.06]	URI [0.82]	Epilepsy [1.39]	Urticaria [0.94]	ASD [0.68]	Scabies [5.7]
Maldives	Neonatal [0.7]	Iron [1.2]	Vit A [0.92]	Congenital [0.91]	PEM [17.16]	Hemog [7.27]	Diarrhea [0.64]	URI [0.91]	Urticaria [0.84]	Epilepsy [0.98]
Mauritius	Iron [3.34]	Neonatal [0.89]	PEM [101.5]	Diarrhea [1.67]	Congenital [0.87]	Vit A [0.71]	URI [0.83]	Epilepsy [1.38]	Urticaria [0.89]	Scabies [4.35]
Myanmar	Neonatal [0.83]	Vit A [0.87]	Iron [0.98]	Congenital [1.35]	Diarrhea [1.01]	PEM [1.51]	URI [0.94]	Epilepsy [1.03]	Urticaria [0.84]	Hemog [1.47]
Philippines	Vit A [1.6]	Iron [1.59]	Neonatal [0.85]	Congenital [1.01]	Diarrhea [0.77]	PEM [4.19]	URI [1.28]	Epilepsy [1.09]	Urticaria [0.82]	Scabies [2.45]
Sri Lanka	Neonatal [0.79]	PEM [41.01]	Congenital [0.96]	Vit A [0.98]	Diarrhea [0.77]	Iron [0.76]	Epilepsy [1.79]	URI [0.86]	Urticaria [0.85]	ASD [0.74]
Seychelles	Neonatal [0.85]	Congenital [0.88]	Diarrhea [1.03]	Vit A [0.73]	PEM [16.21]	URI [0.85]	Epilepsy [1.32]	Urticaria [0.87]	Iron [0.34]	Scabies [3.54]
Thailand	Iron [2.53]	Vit A [1.65]	Neonatal [0.71]	Congenital [0.98]	Diarrhea [0.93]	Hemog [5.19]	PEM [11.05]	Urticaria [0.86]	URI [0.7]	Epilepsy [1.09]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Timor-Leste	Iron [1.83]	Vit A [1.08]	PEM [4.87]	Neonatal [0.7]	Diarrhea [1.02]	Congenital [1.07]	URI [0.96]	Hemog [1.58]	Oth NTD [1.68]	Urticaria [0.85]
Vietnam	Neonatal [0.61]	Congenital [0.91]	Vit A [0.69]	Diarrhea [0.9]	Iron [0.76]	PEM [4.41]	URI [0.78]	Urticaria [0.82]	Epilepsy [0.78]	Scabies [2.1]
Sub-Saharan Africa	Iron [1.63]	Neonatal [1.42]	Vit A [1.09]	Diarrhea [1.05]	Congenital [1.19]	PEM [1.17]	Hemog [1.85]	Malaria [19.1]	Epilepsy [1.14]	Oth NTD [1.25]
Central Sub-Saharan Africa	Neonatal [1.76]	Vit A [1.42]	Iron [1.45]	Diarrhea [1.41]	Congenital [1.18]	PEM [1.23]	Malaria [36.65]	Epilepsy [1.71]	Hemog [2.28]	URI [1.29]
Angola	Iron [2.04]	Neonatal [1.82]	Vit A [1.11]	Diarrhea [1.46]	Congenital [1.19]	Epilepsy [1.99]	Hemog [2.3]	URI [1.4]	Oth NTD [1.65]	PEM [0.68]
C African Rep	Neonatal [1.64]	Vit A [0.98]	Iron [1.24]	Diarrhea [1.37]	Congenital [1.2]	Malaria [4.51]	PEM [0.69]	Epilepsy [1.8]	URI [1.71]	Hemog [1.37]
Congo	Vit A [2.74]	Neonatal [2.07]	Iron [1.83]	Diarrhea [1.58]	PEM [5.4]	Congenital [1.02]	Epilepsy [2.14]	URI [1.27]	Malaria [358.15]	Hemog [1.96]
Congo DR	Vit A [1.12]	Neonatal [1.57]	Iron [1.06]	Diarrhea [1.2]	Congenital [1.16]	PEM [0.85]	Malaria [7.43]	Hemog [1.85]	Epilepsy [1.5]	URI [1.28]
Eq Guinea	Neonatal [2.12]	Diarrhea [1.8]	Vit A [1.14]	Iron [1.21]	Congenital [0.98]	Epilepsy [2.5]	Malaria [965.79]	URI [1.31]	Oth Neuro [3.53]	Urticaria [0.82]
Gabon	Neonatal [2.21]	Iron [3.38]	Vit A [1.78]	Diarrhea [1.94]	Congenital [0.93]	Epilepsy [2.62]	URI [1.34]	Malaria [1818.02]	Hemog [3.21]	Oth Neuro [3.69]
Eastern Sub-Saharan Africa	Vit A [1.0]	Neonatal [1.28]	Iron [1.2]	Diarrhea [0.96]	Congenital [1.2]	PEM [0.65]	Epilepsy [1.04]	URI [0.96]	Hemog [0.98]	Urticaria [0.92]
Burundi	Iron [1.7]	Neonatal [1.21]	Vit A [0.47]	Diarrhea [0.81]	Congenital [1.17]	PEM [0.78]	Malaria [1.75]	Oth NTD [1.03]	Epilepsy [1.12]	Oth Un Inf [1.67]
Comoros	Neonatal [1.43]	Vit A [0.82]	Iron [0.99]	Diarrhea [1.08]	Congenital [1.07]	PEM [1.05]	URI [0.98]	Epilepsy [1.03]	Urticaria [0.89]	ASD [1.02]
Djibouti	Neonatal [1.47]	Iron [1.13]	PEM [3.06]	Congenital [1.06]	Diarrhea [0.74]	Vit A [0.35]	Epilepsy [1.14]	URI [0.95]	Urticaria [0.87]	ASD [1.02]
Eritrea	Neonatal [1.4]	Vit A [0.9]	Iron [0.85]	Diarrhea [0.98]	Congenital [1.14]	PEM [1.34]	Epilepsy [1.07]	URI [0.96]	Urticaria [0.91]	ASD [1.04]
Ethiopia	Vit A [1.33]	Iron [1.15]	Neonatal [1.06]	Diarrhea [0.86]	Congenital [1.11]	PEM [0.84]	Oth NTD [0.73]	Urticaria [0.95]	Hemog [0.83]	ASD [1.04]
Kenya	Neonatal [1.43]	Vit A [1.21]	Diarrhea [1.42]	Congenital [1.36]	Iron [0.4]	URI [1.12]	PEM [0.8]	Urticaria [0.87]	Epilepsy [0.87]	Hemog [1.24]
Baringo	Vit A [1.4]	Neonatal [1.29]	Diarrhea [1.48]	Congenital [1.36]	Iron [0.39]	PEM [0.82]	URI [1.13]	Hemog [1.44]	Urticaria [0.9]	ASD [1.02]
Bomet	Neonatal [1.48]	Diarrhea [1.28]	Vit A [0.65]	Congenital [1.27]	URI [1.12]	Urticaria [0.88]	HIV [42.92]	Epilepsy [0.79]	ASD [1.01]	Hearing [3.28]
Bungoma	Vit A [1.24]	Neonatal [1.33]	Diarrhea [1.56]	Congenital [1.34]	Iron [0.44]	PEM [1.0]	URI [1.13]	Hemog [1.27]	Urticaria [0.89]	ASD [1.01]
Busia	Vit A [1.68]	Neonatal [1.33]	Diarrhea [1.48]	Congenital [1.38]	Iron [0.57]	Malaria [25.38]	Hemog [1.79]	URI [1.13]	Urticaria [0.9]	Epilepsy [0.79]
Elgeyo-Marakwet	Neonatal [1.4]	Vit A [1.24]	Diarrhea [1.46]	Congenital [1.32]	Iron [0.58]	URI [1.11]	Urticaria [0.88]	Hemog [1.3]	Epilepsy [0.82]	ASD [1.0]
Embu	Neonatal [1.54]	Diarrhea [1.68]	Vit A [0.83]	Congenital [1.31]	Iron [0.28]	URI [1.11]	Urticaria [0.86]	Epilepsy [0.91]	ASD [0.98]	Hearing [3.47]
Garissa	Vit A [1.22]	Neonatal [1.14]	Congenital [1.31]	Diarrhea [0.85]	Iron [0.53]	Hemog [1.21]	URI [1.19]	PEM [0.33]	Urticaria [0.95]	Epilepsy [0.73]
HomaBay	Neonatal [1.24]	Vit A [0.7]	Diarrhea [1.57]	Congenital [1.48]	HIV [56.21]	PEM [0.74]	URI [1.15]	Epilepsy [0.9]	Urticaria [0.92]	ASD [1.03]
Isiolo	Vit A [0.88]	Neonatal [1.22]	Diarrhea [1.17]	Congenital [1.43]	PEM [0.87]	Iron [0.21]	URI [1.17]	Urticaria [0.94]	Hemog [0.97]	Epilepsy [0.79]
Kajiado	Neonatal [1.56]	Vit A [1.4]	Iron [0.88]	Congenital [1.3]	Diarrhea [1.18]	URI [1.11]	Hemog [1.59]	Urticaria [0.86]	Epilepsy [0.92]	ASD [0.98]
Kakamega	Vit A [1.46]	Neonatal [1.31]	Diarrhea [1.56]	Congenital [1.39]	Iron [0.7]	Hemog [1.69]	PEM [0.66]	URI [1.13]	Urticaria [0.9]	Epilepsy [0.8]
Kericho	Neonatal [1.53]	Diarrhea [1.63]	Vit A [0.85]	Congenital [1.27]	Iron [0.23]	URI [1.11]	Urticaria [0.88]	Epilepsy [0.8]	ASD [1.0]	Hearing [3.3]
Kiambu	Neonatal [1.63]	Diarrhea [1.61]	Congenital [1.31]	Vit A [0.67]	Iron [0.34]	URI [1.09]	Epilepsy [0.99]	Urticaria [0.84]	ASD [0.95]	Hearing [3.74]
Kilifi	Neonatal [1.31]	Vit A [1.04]	Diarrhea [1.39]	Congenital [1.37]	Iron [0.65]	URI [1.13]	Hemog [1.22]	Urticaria [0.9]	ASD [1.02]	Epilepsy [0.76]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Kirinyaga	Neonatal [1.59]	Diarrhea [1.89]	Congenital [1.33]	Vit A [0.37]	URI [1.12]	Urticaria [0.86]	Epilepsy [0.89]	ASD [0.99]	PEM [0.76]	Hearing [3.49]
Kisii	Neonatal [1.39]	Vit A [1.26]	Diarrhea [1.75]	Congenital [1.35]	Iron [0.32]	URI [1.11]	PEM [0.79]	Urticaria [0.87]	Epilepsy [0.83]	Hemog [1.35]
Kisumu	Vit A [2.34]	Neonatal [1.33]	Diarrhea [1.29]	Congenital [1.44]	Iron [0.75]	Hemog [3.3]	URI [1.1]	HIV [58.63]	Epilepsy [1.0]	Urticaria [0.87]
Kitui	Neonatal [1.41]	Vit A [0.87]	Diarrhea [1.37]	Congenital [1.32]	Iron [0.31]	URI [1.13]	Urticaria [0.9]	Epilepsy [0.8]	ASD [1.01]	PEM [0.42]
Kwale	Vit A [1.33]	Neonatal [1.36]	Iron [0.8]	Diarrhea [1.17]	Congenital [1.34]	URI [1.13]	Hemog [1.49]	Urticaria [0.89]	Malaria [16.01]	Epilepsy [0.82]
Laikipia	Neonatal [1.59]	Diarrhea [1.65]	Vit A [0.84]	Congenital [1.27]	URI [1.11]	Urticaria [0.86]	Epilepsy [0.88]	ASD [0.98]	HIV [47.83]	Iron [0.12]
Lamu	Vit A [1.16]	Neonatal [1.33]	Diarrhea [1.42]	Congenital [1.38]	Iron [0.25]	URI [1.13]	Epilepsy [0.93]	Urticaria [0.9]	Hemog [1.16]	ASD [1.02]
Machakos	Neonatal [1.48]	Vit A [1.06]	Diarrhea [1.8]	Congenital [1.3]	Iron [0.66]	URI [1.11]	PEM [0.77]	Urticaria [0.86]	Epilepsy [0.87]	ASD [0.99]
Makueni	Neonatal [1.38]	Congenital [1.33]	Diarrhea [1.09]	Vit A [0.53]	URI [1.13]	HIV [50.23]	Urticaria [0.89]	Epilepsy [0.82]	ASD [1.02]	Hearing [3.16]
Mandera	Vit A [0.68]	Neonatal [1.05]	Congenital [1.27]	Diarrhea [0.8]	Iron [0.41]	PEM [0.61]	URI [1.2]	Urticaria [0.96]	Hemog [0.73]	ASD [1.03]
Marsabit	Neonatal [1.2]	Vit A [0.56]	PEM [1.67]	Diarrhea [1.09]	Congenital [1.33]	URI [1.19]	Urticaria [0.96]	ASD [1.05]	Epilepsy [0.71]	Iron [0.09]
Meru	Neonatal [1.59]	Vit A [1.07]	Diarrhea [1.85]	Congenital [1.32]	URI [1.11]	Urticaria [0.87]	Epilepsy [0.88]	ASD [1.0]	Iron [0.12]	Hemog [0.96]
Migori	Vit A [1.5]	Neonatal [1.21]	Diarrhea [1.46]	Congenital [1.46]	Iron [0.28]	HIV [43.74]	PEM [0.64]	Hemog [1.59]	URI [1.14]	Urticaria [0.91]
Mombasa	Neonatal [1.51]	Vit A [1.45]	Iron [1.46]	Diarrhea [1.77]	Congenital [1.32]	URI [1.09]	Hemog [1.98]	Epilepsy [1.0]	Urticaria [0.85]	ASD [0.95]
Murang'a	Neonatal [1.56]	Congenital [1.31]	Diarrhea [1.19]	Vit A [0.32]	URI [1.2]	Urticaria [0.87]	Epilepsy [0.87]	ASD [0.99]	Hearing [3.43]	PEM [0.5]
Nairobi	Neonatal [1.78]	Congenital [1.22]	Diarrhea [1.47]	Vit A [1.04]	URI [1.02]	Epilepsy [1.24]	Urticaria [0.86]	ASD [0.86]	Iron [0.27]	Hearing [4.42]
Nakuru	Neonatal [1.84]	Diarrhea [1.68]	Vit A [0.77]	Congenital [1.32]	Epilepsy [1.67]	URI [1.11]	Iron [0.23]	Urticaria [0.86]	ASD [0.98]	Oth Neuro [2.36]
Nandi	Neonatal [1.44]	Vit A [1.15]	Diarrhea [1.36]	Congenital [1.3]	URI [1.12]	PEM [0.7]	Iron [0.15]	Urticaria [0.88]	Epilepsy [0.83]	ASD [1.0]
Narok	Vit A [1.23]	Neonatal [1.3]	Diarrhea [0.98]	Congenital [1.3]	Iron [0.39]	URI [1.16]	Hemog [1.21]	Urticaria [0.92]	Epilepsy [0.79]	ASD [1.04]
Nyamira	Neonatal [1.52]	Diarrhea [1.66]	Congenital [1.34]	Vit A [0.5]	URI [1.11]	PEM [1.13]	Epilepsy [0.98]	Urticaria [0.86]	ASD [0.99]	Hearing [3.55]
Nyandarua	Neonatal [1.66]	Diarrhea [1.61]	Congenital [1.31]	Vit A [0.52]	PEM [1.74]	URI [1.11]	Epilepsy [1.01]	Urticaria [0.86]	ASD [0.99]	Whooping [1.56]
Nyeri	Neonatal [1.61]	Diarrhea [1.45]	Congenital [1.33]	URI [1.11]	Vit A [0.22]	Epilepsy [1.05]	Urticaria [0.86]	ASD [0.98]	Hearing [3.58]	Whooping [1.34]
Samburu	Neonatal [1.13]	Vit A [0.64]	Diarrhea [1.07]	Congenital [1.31]	PEM [0.4]	URI [1.2]	Urticaria [0.97]	Iron [0.1]	ASD [1.04]	Hemog [0.65]
Siaya	Vit A [1.34]	Neonatal [1.26]	Diarrhea [1.51]	Congenital [1.4]	Iron [0.7]	Malaria [29.43]	URI [1.13]	Hemog [1.52]	Urticaria [0.89]	Epilepsy [0.79]
TaitaTaveta	Neonatal [1.48]	Diarrhea [1.42]	Congenital [1.35]	Vit A [0.58]	URI [1.12]	Epilepsy [0.99]	Urticaria [0.87]	ASD [0.99]	Hearing [3.45]	HIV [35.18]
TanaRiver	Vit A [1.19]	Neonatal [1.25]	Diarrhea [1.19]	Iron [0.72]	Congenital [1.36]	PEM [0.85]	Hemog [1.39]	URI [1.16]	Urticaria [0.94]	Epilepsy [0.78]
TharakaNithi	Neonatal [1.45]	Vit A [1.23]	Diarrhea [2.0]	Congenital [1.4]	URI [1.11]	Epilepsy [1.02]	Iron [0.17]	Urticaria [0.86]	ASD [0.99]	Hemog [1.24]
TransNzoia	Neonatal [1.41]	Diarrhea [1.68]	Vit A [0.62]	Congenital [1.31]	URI [1.12]	Urticaria [0.88]	Epilepsy [0.79]	ASD [1.0]	Hearing [3.26]	HIV [26.63]
Turkana	Vit A [0.84]	Neonatal [1.09]	PEM [1.33]	Diarrhea [0.99]	Congenital [1.35]	Iron [0.27]	URI [1.19]	Hemog [0.89]	Urticaria [0.96]	HIV [9.91]
UasinGishu	Neonatal [1.52]	Vit A [1.03]	Diarrhea [1.7]	Congenital [1.28]	Iron [0.42]	URI [1.11]	Urticaria [0.86]	Epilepsy [0.85]	ASD [0.98]	Hemog [1.05]
Vihiga	Neonatal [1.43]	Vit A [0.87]	Diarrhea [1.31]	Congenital [1.35]	URI [1.13]	Iron [0.15]	Urticaria [0.89]	Epilepsy [0.85]	ASD [1.02]	Malaria [21.25]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Wajir	Neonatal [1.0]	Vit A [0.56]	Diarrhea [0.81]	Congenital [1.27]	PEM [0.24]	URI [1.21]	Iron [0.12]	Urticaria [0.97]	ASD [1.01]	Hemog [0.55]
WestPokot	Vit A [1.25]	Neonatal [1.22]	Diarrhea [1.34]	Congenital [1.34]	Iron [0.43]	URI [1.16]	Hemog [1.24]	PEM [0.34]	Urticaria [0.93]	ASD [1.04]
Madagascar	Neonatal [1.34]	Iron [1.1]	Vit A [0.56]	Congenital [1.92]	Diarrhea [1.12]	Epilepsy [1.19]	Hearing [5.15]	URI [0.97]	Urticaria [0.94]	Oth NTD [0.7]
Malawi	Iron [1.86]	Vit A [0.98]	Neonatal [1.28]	Diarrhea [1.26]	Congenital [1.18]	Malaria [3.66]	Oth NTD [1.17]	HIV [25.86]	URI [1.12]	Epilepsy [1.0]
Mozambique	Vit A [0.97]	Neonatal [1.35]	Iron [1.17]	Congenital [1.15]	Diarrhea [0.65]	Malaria [4.45]	HIV [31.29]	Epilepsy [1.53]	Oth NTD [0.72]	Urticaria [0.94]
Rwanda	Neonatal [1.32]	Iron [1.28]	Vit A [0.78]	Diarrhea [0.88]	Congenital [1.15]	Epilepsy [1.17]	URI [0.98]	Oth NTD [0.86]	Urticaria [0.91]	PEM [0.35]
Somalia	Vit A [0.83]	Neonatal [1.03]	Iron [0.92]	PEM [0.93]	Diarrhea [0.66]	Congenital [1.07]	Epilepsy [0.84]	URI [1.0]	Urticaria [0.94]	ASD [0.99]
S Sudan	Vit A [0.81]	Neonatal [1.12]	Iron [1.11]	Diarrhea [1.19]	PEM [1.22]	Congenital [1.02]	Epilepsy [1.0]	Malaria [1.07]	URI [0.99]	Oth NTD [0.7]
Tanzania	Iron [1.93]	Neonatal [1.35]	Vit A [0.78]	Congenital [1.01]	Diarrhea [0.7]	Hemog [1.65]	Oth NTD [1.32]	Epilepsy [1.18]	URI [1.06]	PEM [0.4]
Uganda	Neonatal [1.37]	Iron [0.97]	Vit A [0.57]	Diarrhea [0.96]	Congenital [1.07]	Malaria [10.46]	Epilepsy [1.27]	URI [1.23]	Hemog [1.14]	Urticaria [0.92]
Zambia	Neonatal [1.51]	Vit A [1.0]	Iron [1.07]	Diarrhea [1.13]	Congenital [1.13]	Epilepsy [1.41]	URI [1.08]	Malaria [28.02]	PEM [0.61]	HIV [40.74]
Southern Sub-Saharan Africa	Neonatal [1.48]	Iron [1.38]	Vit A [1.07]	Congenital [1.07]	Diarrhea [0.93]	URI [0.94]	Epilepsy [1.06]	Urticaria [0.84]	ASD [0.89]	PEM [2.8]
Botswana	Neonatal [1.56]	Iron [2.14]	Vit A [1.26]	Diarrhea [1.15]	Congenital [0.82]	PEM [10.71]	URI [0.92]	Epilepsy [1.12]	Urticaria [0.84]	ASD [0.86]
Lesotho	Neonatal [1.26]	Vit A [0.92]	Iron [0.82]	Diarrhea [1.07]	Congenital [0.97]	HIV [83.66]	URI [1.0]	Epilepsy [0.96]	Urticaria [0.87]	ASD [1.0]
Namibia	Iron [2.97]	Neonatal [1.46]	Diarrhea [1.5]	Congenital [0.86]	Vit A [0.62]	PEM [4.71]	URI [1.04]	Epilepsy [1.06]	Oth NTD [6.97]	Urticaria [0.82]
S Africa	Neonatal [1.55]	Congenital [1.19]	Vit A [1.0]	Iron [0.61]	Diarrhea [0.59]	URI [0.93]	Epilepsy [1.2]	Urticaria [0.87]	ASD [0.86]	PEM [6.72]
Swaziland	Neonatal [1.31]	Iron [1.99]	Diarrhea [1.53]	Vit A [0.86]	Congenital [0.91]	HIV [125.48]	URI [0.91]	Epilepsy [0.95]	Urticaria [0.83]	ASD [0.95]
Zimbabwe	Iron [1.44]	Neonatal [1.24]	Vit A [0.7]	Diarrhea [1.12]	Congenital [0.88]	URI [1.0]	Urticaria [0.88]	Oth NTD [1.14]	Epilepsy [0.76]	ASD [1.01]
Western Sub-Saharan Africa	Iron [2.0]	Neonatal [1.39]	Vit A [0.94]	Diarrhea [0.99]	Congenital [1.17]	PEM [1.43]	Hemog [2.47]	Malaria [22.17]	Oth NTD [1.49]	Epilepsy [1.07]
Benin	Vit A [0.98]	Neonatal [1.32]	Iron [0.82]	Congenital [1.05]	Diarrhea [0.65]	Malaria [9.81]	PEM [0.65]	Hemog [1.59]	Epilepsy [1.17]	Urticaria [0.92]
Burkina Faso	Iron [2.28]	Vit A [0.87]	Neonatal [1.15]	PEM [1.76]	Diarrhea [0.74]	Congenital [1.03]	Malaria [2.89]	Hemog [1.98]	Oth NTD [1.39]	Oth Un Inf [2.13]
Cameroon	Neonatal [1.48]	Iron [1.48]	Vit A [1.06]	Diarrhea [1.29]	Congenital [1.07]	Malaria [56.49]	Epilepsy [1.31]	Hemog [1.84]	URI [0.97]	PEM [0.63]
Cape Verde	Neonatal [1.67]	Iron [1.3]	Congenital [0.92]	Diarrhea [0.74]	Epilepsy [1.23]	Urticaria [0.85]	URI [0.74]	ASD [0.97]	Hemog [1.07]	Oth NTD [1.37]
Chad	Vit A [0.72]	Neonatal [1.07]	Iron [1.12]	Diarrhea [1.27]	PEM [0.98]	Congenital [0.98]	Epilepsy [0.97]	Hemog [0.76]	Malaria [0.86]	URI [0.91]
Cote d'Ivoire	Iron [2.53]	Vit A [1.06]	Neonatal [1.39]	Diarrhea [1.01]	Congenital [1.06]	Hemog [2.85]	Oth NTD [1.72]	Epilepsy [1.23]	Oth Un Inf [2.59]	Malaria [8.92]
Gambia	Iron [1.89]	Neonatal [1.5]	Vit A [1.02]	Diarrhea [0.99]	Congenital [0.99]	PEM [1.37]	Hemog [1.78]	Oth NTD [1.3]	Oth Un Inf [1.95]	Urticaria [0.9]
Ghana	Neonatal [1.56]	Vit A [1.66]	Iron [1.77]	Diarrhea [1.1]	Congenital [1.02]	PEM [2.04]	Epilepsy [1.31]	Malaria [166.49]	Hemog [2.12]	Urticaria [0.84]
Guinea	Iron [1.66]	Neonatal [1.22]	Vit A [0.68]	Congenital [1.06]	Diarrhea [0.71]	PEM [0.67]	Malaria [3.73]	Hemog [2.01]	Oth NTD [1.02]	Epilepsy [1.0]
Guinea-Bissau	Vit A [1.18]	Neonatal [1.35]	Iron [0.88]	Congenital [1.13]	Diarrhea [0.78]	Epilepsy [1.1]	PEM [0.32]	Urticaria [0.93]	URI [0.79]	ASD [1.04]
Liberia	Neonatal [1.39]	Iron [1.34]	Vit A [0.49]	Diarrhea [1.03]	Congenital [1.09]	Hemog [1.98]	Epilepsy [1.46]	Malaria [2.43]	PEM [0.37]	Oth NTD [0.82]
Mali	Iron [1.68]	Vit A [0.78]	Neonatal [1.07]	Diarrhea [0.68]	Congenital [1.0]	PEM [0.62]	Malaria [1.74]	Hemog [1.02]	Oth NTD [1.01]	Oth Un Inf [1.52]

eFigure 9b. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, <1 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.68]	(0.68-0.82]	(0.82-0.91]	(0.91-1.01]	(1.01-1.1]	(1.1-1.21]	(1.21-1.45]	(1.45-2.25]	2.25+
	1	2	3	4	5	6	7	8	9	10
Mauritania	PEM [7.56]	Neonatal [1.57]	Iron [1.52]	Vit A [0.76]	Diarrhea [1.02]	Congenital [0.98]	Epilepsy [1.24]	Oth NTD [1.25]	Urticaria [0.87]	Hemog [1.18]
Niger	Vit A [0.79]	Neonatal [0.92]	Iron [0.78]	PEM [0.84]	Diarrhea [0.68]	Congenital [0.92]	Malaria [1.69]	Hemog [1.05]	Epilepsy [0.68]	Urticaria [0.93]
Nigeria	Iron [2.6]	Neonatal [1.44]	Vit A [0.82]	Congenital [1.29]	Diarrhea [0.94]	PEM [1.67]	Hemog [3.28]	Malaria [71.61]	Oth NTD [2.24]	Epilepsy [1.07]
Sao Tome Principe	Neonatal [1.49]	Vit A [1.32]	Iron [0.97]	Diarrhea [1.0]	Congenital [1.02]	PEM [0.97]	Hemog [1.86]	Epilepsy [1.21]	Urticaria [0.86]	URI [0.78]
Senegal	Iron [1.75]	Neonatal [1.39]	Vit A [0.82]	Diarrhea [1.08]	Congenital [1.02]	PEM [0.45]	Hemog [1.38]	Oth NTD [1.12]	Epilepsy [1.07]	Oth Un Inf [1.84]
Sierra Leone	Iron [2.05]	Neonatal [1.33]	Vit A [0.79]	Congenital [1.05]	Malaria [8.96]	Diarrhea [0.66]	Hemog [2.92]	PEM [0.67]	Oth NTD [1.26]	Epilepsy [1.29]
Togo	Iron [1.93]	Neonatal [1.51]	Vit A [0.96]	Diarrhea [1.13]	Congenital [1.06]	Malaria [29.5]	Hemog [2.33]	PEM [0.81]	Epilepsy [1.3]	Oth NTD [1.35]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Global	Neonatal [1.13]	Iron [2.88]	Vit A [1.51]	Dermatitis [0.74]	Diarrhea [1.2]	Asthma [0.7]	Congenital [0.97]	PEM [127.58]	Urticaria [0.88]	Skin Viral [0.86]
Low SDI	Iron [1.16]	Neonatal [1.29]	Vit A [0.84]	Diarrhea [0.85]	Dermatitis [0.81]	PEM [3.4]	Congenital [1.04]	Asthma [0.6]	Urticaria [0.91]	Epilepsy [0.93]
Low-middle SDI	Iron [1.65]	Neonatal [1.14]	Vit A [1.03]	Diarrhea [1.07]	Dermatitis [0.73]	PEM [17.92]	Congenital [1.04]	Asthma [0.6]	Urticaria [0.89]	Skin Viral [0.87]
Middle SDI	Neonatal [1.18]	Dermatitis [0.69]	Asthma [0.86]	Iron [1.37]	Diarrhea [1.04]	Vit A [0.92]	Congenital [0.88]	PEM [114.95]	Urticaria [0.9]	Skin Viral [0.89]
High-middle SDI	Neonatal [1.43]	Dermatitis [0.57]	Diarrhea [1.92]	Asthma [1.03]	Congenital [0.92]	Urticaria [1.35]	Skin Viral [0.97]	Vit A [2.61]	URI [0.75]	Iron [6.47]
High SDI	Dermatitis [1.32]	Neonatal [0.86]	Asthma [0.91]	Congenital [0.88]	URI [1.18]	Skin Viral [0.9]	Diarrhea [0.73]	Urticaria [0.74]	ASD [1.15]	Epilepsy [0.8]
Central Europe, Eastern Europe, and Central Asia	Neonatal [1.35]	Dermatitis [0.54]	Diarrhea [1.29]	Congenital [1.03]	Iron [3.69]	Urticaria [1.2]	Skin Viral [0.83]	Vit A [1.16]	Asthma [0.47]	Hernia [2.46]
Central Asia	Neonatal [0.97]	Iron [2.76]	Vit A [1.26]	Dermatitis [0.49]	Congenital [1.01]	Urticaria [1.02]	Diarrhea [0.69]	Skin Viral [0.83]	Hernia [2.89]	Asthma [0.43]
Armenia	Iron [5.43]	Neonatal [0.97]	Dermatitis [0.48]	Diarrhea [1.05]	Congenital [1.0]	Urticaria [1.05]	Skin Viral [0.83]	Hernia [2.77]	Asthma [0.42]	Epilepsy [1.06]
Azerbaijan	Neonatal [0.99]	Iron [1.86]	Dermatitis [0.48]	Congenital [0.98]	Diarrhea [0.85]	Urticaria [1.06]	Vit A [0.88]	Skin Viral [0.83]	Asthma [0.42]	Epilepsy [1.2]
Georgia	Neonatal [0.96]	Congenital [1.02]	Dermatitis [0.44]	Diarrhea [0.98]	Urticaria [1.06]	Vit A [0.83]	Skin Viral [0.83]	Epilepsy [1.12]	Asthma [0.39]	Iron [0.8]
Kazakhstan	Neonatal [1.05]	Vit A [2.49]	Congenital [1.04]	Dermatitis [0.45]	Urticaria [1.12]	Diarrhea [0.77]	Skin Viral [0.83]	Epilepsy [1.33]	Asthma [0.37]	Blindness [1.3]
Kyrgyzstan	Neonatal [0.98]	Iron [2.03]	Vit A [0.92]	Hernia [6.25]	Dermatitis [0.54]	Congenital [1.04]	Urticaria [0.96]	Asthma [0.46]	Skin Viral [0.86]	Diarrhea [0.48]
Mongolia	Neonatal [1.0]	Vit A [1.44]	Diarrhea [1.03]	Dermatitis [0.5]	Congenital [1.04]	Urticaria [1.01]	Iron [0.97]	Skin Viral [0.84]	Asthma [0.42]	Epilepsy [1.13]
Tajikistan	Neonatal [1.01]	Iron [0.75]	Vit A [0.58]	Diarrhea [0.86]	Congenital [1.05]	Dermatitis [0.56]	Urticaria [0.97]	Hernia [4.54]	PEM [7.88]	Skin Viral [0.89]
Turkmenistan	Neonatal [0.92]	Dermatitis [0.48]	Congenital [1.01]	Iron [1.48]	Urticaria [1.05]	Vit A [0.72]	Skin Viral [0.83]	Asthma [0.42]	Epilepsy [1.14]	Hernia [2.07]
Uzbekistan	Iron [3.11]	Neonatal [0.92]	Vit A [0.98]	Dermatitis [0.51]	Congenital [1.0]	Urticaria [0.97]	Asthma [0.48]	Hernia [3.06]	Skin Viral [0.84]	Epilepsy [1.02]
Central Europe	Neonatal [1.41]	Diarrhea [1.99]	Dermatitis [0.59]	Congenital [1.17]	Urticaria [1.31]	Asthma [0.58]	Vit A [2.15]	Skin Viral [0.85]	Hernia [2.94]	Falls [1.83]
Albania	Neonatal [1.18]	Diarrhea [1.13]	Congenital [1.1]	Dermatitis [0.46]	Urticaria [1.03]	Vit A [0.81]	Hernia [3.63]	Iron [1.06]	PEM [197.39]	Skin Viral [0.82]
Bosnia	Neonatal [1.26]	Dermatitis [0.55]	Congenital [1.11]	Diarrhea [1.17]	Vit A [1.3]	Urticaria [1.08]	Hernia [3.61]	Asthma [0.53]	Skin Viral [0.83]	Falls [2.86]
Bulgaria	Neonatal [1.25]	Diarrhea [1.76]	Dermatitis [0.49]	Congenital [1.19]	Urticaria [1.24]	Vit A [1.85]	Skin Viral [0.84]	Hernia [2.98]	Falls [1.91]	Asthma [0.47]
Croatia	Neonatal [1.53]	Dermatitis [0.51]	Diarrhea [1.72]	Congenital [1.14]	Urticaria [1.35]	Hernia [3.85]	Skin Viral [0.86]	Asthma [0.56]	Epilepsy [1.1]	ASD [0.81]
Czech	Neonatal [0.99]	Diarrhea [2.14]	Dermatitis [0.57]	Congenital [1.16]	Urticaria [1.44]	Falls [2.02]	Hernia [3.54]	Skin Viral [0.88]	Asthma [0.5]	Vit A [1.83]
Hungary	Neonatal [1.35]	Diarrhea [2.83]	Dermatitis [0.68]	Congenital [1.22]	Urticaria [1.31]	Skin Viral [0.85]	Falls [1.88]	Asthma [0.46]	Hernia [2.31]	Vit A [1.46]
Macedonia	Neonatal [1.27]	Diarrhea [1.5]	Vit A [2.05]	Dermatitis [0.51]	Congenital [1.09]	Urticaria [1.15]	Iron [2.32]	Hernia [3.34]	Asthma [0.57]	Skin Viral [0.83]
Montenegro	Neonatal [1.3]	Dermatitis [0.53]	Congenital [1.11]	Urticaria [1.24]	Diarrhea [0.95]	Vit A [1.75]	Hernia [3.23]	Skin Viral [0.84]	Asthma [0.51]	Falls [2.01]
Poland	Neonatal [1.6]	Dermatitis [0.66]	Diarrhea [1.98]	Congenital [1.17]	Urticaria [1.42]	Asthma [0.76]	Skin Viral [0.87]	Upper Digest [5.85]	Falls [1.64]	Vit A [2.35]
Romania	Neonatal [1.42]	Diarrhea [2.26]	Dermatitis [0.56]	Congenital [1.16]	Iron [4.98]	Vit A [2.16]	Urticaria [1.2]	Asthma [0.61]	Skin Viral [0.84]	Upper Digest [5.25]
Serbia	Neonatal [1.61]	Dermatitis [0.54]	Congenital [1.18]	Diarrhea [1.26]	Vit A [1.4]	Urticaria [1.15]	Hernia [3.5]	Skin Viral [0.83]	Falls [2.33]	Asthma [0.38]
Slovakia	Neonatal [1.09]	Diarrhea [2.38]	Dermatitis [0.56]	Congenital [1.24]	Urticaria [1.4]	Hernia [3.83]	Skin Viral [0.87]	Falls [1.68]	Upper Digest [5.11]	Asthma [0.45]
Slovenia	Neonatal [1.16]	Diarrhea [2.4]	Dermatitis [0.51]	Congenital [1.22]	Urticaria [1.48]	Asthma [0.7]	Falls [1.88]	Hernia [3.22]	Skin Viral [0.89]	Vit A [2.11]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Eastern Europe	Neonatal [1.61]	Dermatitis [0.57]	Diarrhea [1.49]	Congenital [0.99]	Urticaria [1.28]	Upper Digest [5.47]	Skin Viral [0.84]	Iron [2.83]	Asthma [0.44]	Falls [1.64]
Belarus	Neonatal [1.53]	Dermatitis [0.62]	Congenital [0.97]	Urticaria [1.21]	Diarrhea [0.94]	Asthma [0.57]	Skin Viral [0.84]	Upper Digest [5.17]	Hernia [2.14]	Falls [1.64]
Estonia	Neonatal [1.7]	Dermatitis [0.79]	Diarrhea [2.52]	Congenital [1.03]	Urticaria [1.49]	Skin Viral [0.89]	Upper Digest [6.24]	Falls [1.26]	Asthma [0.42]	Hernia [1.92]
Latvia	Neonatal [1.51]	Diarrhea [2.33]	Dermatitis [0.58]	Congenital [0.95]	Urticaria [1.35]	Asthma [0.59]	Skin Viral [0.87]	Upper Digest [5.32]	Falls [1.44]	Hernia [2.1]
Lithuania	Neonatal [1.74]	Diarrhea [2.53]	Congenital [1.1]	Dermatitis [0.36]	Urticaria [1.41]	Upper Digest [6.54]	Skin Viral [0.88]	Asthma [0.5]	Falls [1.33]	Hernia [2.11]
Moldova	Neonatal [1.55]	Dermatitis [0.68]	Diarrhea [0.96]	Congenital [0.96]	Iron [1.3]	Upper Digest [5.6]	Urticaria [1.02]	Hernia [3.27]	Skin Viral [0.83]	Asthma [0.41]
Russian Federation	Neonatal [1.62]	Dermatitis [0.57]	Diarrhea [1.72]	Congenital [0.98]	Urticaria [1.29]	Upper Digest [5.46]	Skin Viral [0.84]	Iron [3.15]	Asthma [0.41]	Falls [1.64]
Ukraine	Neonatal [1.55]	Dermatitis [0.59]	Congenital [1.02]	Urticaria [1.18]	Upper Digest [5.15]	Asthma [0.5]	Skin Viral [0.83]	Iron [1.61]	Diarrhea [0.64]	Hernia [2.5]
High-income	Dermatitis [1.31]	Neonatal [0.94]	Asthma [1.12]	Congenital [0.94]	URI [1.16]	Diarrhea [1.14]	Skin Viral [0.96]	ASD [1.15]	Urticaria [0.91]	Epilepsy [1.06]
Australasia	Dermatitis [1.14]	Asthma [2.1]	Neonatal [0.92]	Falls [2.11]	Skin Viral [1.0]	Congenital [0.78]	URI [1.02]	Urticaria [1.26]	ASD [1.03]	Diarrhea [0.65]
Australia	Dermatitis [1.08]	Asthma [2.16]	Neonatal [0.9]	Falls [2.02]	Skin Viral [1.0]	Congenital [0.78]	URI [1.02]	Urticaria [1.27]	ASD [1.03]	Diarrhea [0.63]
New Zealand	Dermatitis [1.42]	Neonatal [1.02]	Asthma [1.82]	Falls [2.67]	Congenital [0.78]	URI [1.04]	Urticaria [1.19]	Skin Viral [0.96]	Diarrhea [0.73]	ASD [1.02]
High-income Asia Pacific	Dermatitis [1.26]	Neonatal [1.2]	Asthma [1.03]	Congenital [0.99]	Diarrhea [1.21]	URI [1.03]	Skin Viral [0.99]	Urticaria [1.17]	ASD [1.28]	Falls [1.09]
Brunei	Dermatitis [1.2]	Neonatal [1.19]	Asthma [0.98]	Diarrhea [1.2]	Iron [9.85]	Congenital [0.81]	Skin Viral [0.98]	URI [1.02]	Urticaria [1.09]	ASD [1.19]
Japan	Dermatitis [1.32]	Neonatal [1.18]	Asthma [1.02]	Congenital [1.09]	URI [1.04]	Skin Viral [0.99]	Diarrhea [1.13]	Urticaria [1.17]	ASD [1.36]	Falls [1.14]
Aichi	Dermatitis [1.32]	Neonatal [1.21]	Asthma [1.05]	ASD [2.01]	Congenital [1.02]	Diarrhea [1.22]	URI [1.04]	Skin Viral [1.0]	Urticaria [1.21]	Falls [1.1]
Akita	Dermatitis [1.33]	Neonatal [1.25]	Congenital [1.14]	Asthma [0.96]	Diarrhea [1.09]	URI [1.05]	Skin Viral [0.96]	Urticaria [1.06]	ASD [1.32]	Endocrine [3.49]
Aomori	Dermatitis [1.33]	Neonatal [1.16]	Asthma [0.95]	Congenital [0.93]	Diarrhea [1.08]	URI [1.05]	Skin Viral [0.95]	Urticaria [1.05]	ASD [1.33]	Endocrine [3.52]
Chiba	Dermatitis [1.32]	Neonatal [1.16]	Asthma [1.02]	Congenital [1.11]	URI [1.04]	Skin Viral [0.98]	Urticaria [1.15]	Diarrhea [1.01]	ASD [1.34]	Falls [1.15]
Ehime	Dermatitis [1.32]	Neonatal [0.96]	Asthma [0.96]	Congenital [1.0]	URI [1.05]	Skin Viral [0.96]	Diarrhea [0.98]	Urticaria [1.09]	ASD [1.35]	Vit A [2.22]
Fukui	Dermatitis [1.32]	Neonatal [1.15]	Asthma [0.98]	Congenital [0.99]	Diarrhea [1.26]	URI [1.04]	Skin Viral [0.97]	Urticaria [1.12]	ASD [1.35]	Falls [1.18]
Fukuoka	Dermatitis [1.32]	Neonatal [1.14]	Asthma [1.0]	Congenital [1.04]	URI [1.04]	Skin Viral [0.98]	Diarrhea [1.08]	Urticaria [1.14]	ASD [0.99]	Endocrine [3.72]
Fukushima	Dermatitis [1.32]	Neonatal [1.06]	Congenital [1.14]	Asthma [0.95]	Diarrhea [1.14]	URI [1.05]	Skin Viral [0.95]	Urticaria [1.06]	ASD [1.34]	Falls [1.26]
Gifu	Dermatitis [1.32]	Neonatal [1.19]	Asthma [0.99]	Congenital [0.89]	Diarrhea [1.23]	URI [1.04]	Skin Viral [0.97]	Urticaria [1.12]	ASD [1.35]	Endocrine [3.83]
Gunma	Dermatitis [1.32]	Neonatal [1.12]	Asthma [0.99]	Congenital [1.04]	Diarrhea [1.2]	URI [1.05]	Skin Viral [0.97]	Urticaria [1.12]	ASD [1.34]	Endocrine [4.01]
Hiroshima	Dermatitis [1.32]	Neonatal [1.22]	Asthma [1.02]	Congenital [0.98]	Diarrhea [1.23]	URI [1.04]	Skin Viral [0.99]	Urticaria [1.17]	ASD [1.34]	Falls [1.12]
Hokkaido	Dermatitis [1.32]	Neonatal [1.12]	Asthma [0.98]	Congenital [1.07]	Diarrhea [1.17]	URI [1.04]	Skin Viral [0.96]	Urticaria [1.09]	ASD [1.34]	Falls [1.24]
Hyogo	Dermatitis [1.32]	Neonatal [1.18]	Asthma [0.88]	Congenital [0.86]	Diarrhea [1.2]	URI [1.05]	Skin Viral [0.98]	Urticaria [1.15]	ASD [1.35]	Falls [1.14]
Ibaraki	Dermatitis [1.32]	Neonatal [1.21]	Asthma [1.0]	Congenital [1.14]	URI [1.04]	Skin Viral [0.97]	Urticaria [1.12]	Diarrhea [0.93]	ASD [1.08]	Falls [1.18]
Ishikawa	Dermatitis [1.32]	Neonatal [1.12]	Asthma [1.0]	Congenital [1.06]	Diarrhea [1.18]	URI [1.04]	Skin Viral [0.98]	Urticaria [1.14]	ASD [1.34]	Falls [1.17]
Iwate	Dermatitis [1.33]	Neonatal [1.2]	Congenital [1.12]	Asthma [0.94]	Diarrhea [1.08]	URI [1.05]	Skin Viral [0.95]	Urticaria [1.05]	ASD [1.34]	Falls [1.29]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Kagawa	Dermatitis [1.32]	Neonatal [1.11]	Asthma [0.98]	Congenital [1.04]	Diarrhea [1.41]	URI [1.05]	Skin Viral [0.97]	Urticaria [1.12]	ASD [1.34]	Falls [1.17]
Kagoshima	Dermatitis [1.33]	Neonatal [0.99]	Congenital [1.18]	Asthma [0.94]	Diarrhea [1.09]	URI [1.05]	Skin Viral [0.95]	Urticaria [1.06]	ASD [1.34]	Falls [1.26]
Kanagawa	Dermatitis [1.32]	Neonatal [1.23]	Congenital [1.22]	Asthma [1.05]	ASD [1.62]	URI [1.04]	Skin Viral [1.0]	Urticaria [1.21]	Diarrhea [0.96]	Falls [1.12]
Kochi	Dermatitis [1.32]	Neonatal [1.06]	Asthma [0.93]	Congenital [1.01]	Diarrhea [1.17]	URI [1.05]	Skin Viral [0.95]	Urticaria [1.05]	ASD [1.35]	Endocrine [3.37]
Kumamoto	Dermatitis [1.33]	Neonatal [1.04]	Asthma [0.94]	Congenital [0.97]	Diarrhea [1.05]	URI [1.05]	Skin Viral [0.95]	Urticaria [1.06]	ASD [1.34]	Endocrine [3.54]
Kyoto	Neonatal [1.23]	Dermatitis [1.09]	Congenital [1.3]	Asthma [1.05]	Diarrhea [1.19]	URI [1.03]	Skin Viral [1.0]	Urticaria [1.21]	ASD [1.35]	Endocrine [3.98]
Mie	Dermatitis [1.32]	Neonatal [1.2]	Asthma [0.99]	Diarrhea [1.39]	Congenital [0.97]	URI [1.04]	Skin Viral [0.98]	Urticaria [1.14]	ASD [1.34]	Endocrine [3.97]
Miyagi	Dermatitis [1.32]	Neonatal [1.11]	Congenital [1.23]	Asthma [0.83]	Diarrhea [1.1]	URI [1.05]	Skin Viral [0.97]	Urticaria [1.12]	ASD [1.34]	Endocrine [3.64]
Miyazaki	Dermatitis [1.33]	Neonatal [1.03]	Asthma [0.94]	Congenital [1.06]	URI [1.05]	Skin Viral [0.95]	Urticaria [1.05]	ASD [1.33]	Diarrhea [0.84]	Falls [1.29]
Nagano	Dermatitis [1.32]	Neonatal [1.22]	Asthma [0.99]	Diarrhea [1.45]	Congenital [1.0]	URI [1.05]	Skin Viral [0.97]	Urticaria [1.12]	ASD [1.34]	Endocrine [3.66]
Nagasaki	Dermatitis [1.33]	Neonatal [1.04]	Congenital [1.26]	Asthma [0.94]	URI [1.05]	Skin Viral [0.95]	Diarrhea [0.94]	Urticaria [1.05]	ASD [1.33]	Endocrine [3.57]
Nara	Dermatitis [1.32]	Neonatal [1.04]	Congenital [1.28]	Asthma [0.99]	Diarrhea [1.13]	URI [1.04]	Skin Viral [0.97]	Urticaria [1.12]	ASD [1.34]	Falls [1.19]
Niigata	Dermatitis [1.32]	Neonatal [1.17]	Asthma [0.98]	Congenital [1.11]	URI [1.04]	Skin Viral [0.97]	Diarrhea [1.05]	Urticaria [1.11]	ASD [1.34]	Falls [1.22]
Oita	Dermatitis [1.32]	Neonatal [1.23]	Asthma [0.97]	Congenital [0.94]	Diarrhea [1.19]	URI [1.05]	Skin Viral [0.96]	Urticaria [1.1]	ASD [1.36]	Falls [1.2]
Okayama	Dermatitis [1.32]	Neonatal [1.23]	Asthma [1.0]	Congenital [0.94]	Diarrhea [1.12]	URI [1.04]	Skin Viral [0.98]	Urticaria [1.13]	ASD [1.34]	Falls [1.16]
Okinawa	Dermatitis [1.33]	Neonatal [1.08]	Asthma [0.8]	Congenital [0.86]	URI [1.06]	Skin Viral [0.95]	Urticaria [1.04]	Diarrhea [0.88]	ASD [1.33]	Falls [1.34]
Osaka	Dermatitis [1.32]	Neonatal [1.11]	Asthma [1.04]	Congenital [1.15]	URI [1.04]	Skin Viral [0.99]	Diarrhea [1.09]	Urticaria [1.19]	ASD [0.99]	Endocrine [3.81]
Saga	Dermatitis [1.33]	Neonatal [1.09]	Asthma [0.96]	Congenital [0.97]	Diarrhea [1.07]	URI [1.05]	Skin Viral [0.96]	Urticaria [1.07]	ASD [1.32]	Falls [1.25]
Saitama	Dermatitis [1.32]	Neonatal [1.14]	Asthma [0.99]	Congenital [0.95]	URI [1.04]	Diarrhea [1.08]	Skin Viral [0.97]	Urticaria [1.13]	ASD [1.35]	Endocrine [3.93]
Shiga	Dermatitis [1.57]	Neonatal [1.11]	Asthma [1.03]	Congenital [1.1]	URI [1.04]	Diarrhea [1.16]	Skin Viral [0.99]	Urticaria [1.19]	ASD [1.36]	Endocrine [3.86]
Shimane	Dermatitis [1.32]	Neonatal [1.06]	Asthma [0.94]	Congenital [0.95]	Diarrhea [1.14]	URI [1.05]	Skin Viral [0.95]	Urticaria [1.06]	ASD [1.35]	Vit A [1.7]
Shizuoka	Dermatitis [1.32]	Neonatal [1.28]	Asthma [1.01]	Congenital [0.99]	URI [1.04]	Diarrhea [1.12]	Skin Viral [0.98]	Urticaria [1.16]	ASD [1.35]	Endocrine [3.73]
Tochigi	Dermatitis [1.32]	Neonatal [1.23]	Congenital [1.41]	Asthma [1.0]	URI [1.04]	Skin Viral [0.98]	Urticaria [1.14]	ASD [1.34]	Diarrhea [0.95]	Falls [1.17]
Tokushima	Dermatitis [1.32]	Neonatal [1.16]	Asthma [0.97]	Congenital [1.01]	Diarrhea [1.18]	URI [1.04]	Skin Viral [0.97]	Urticaria [1.11]	ASD [1.34]	Falls [1.18]
Tokyo	Dermatitis [1.33]	Neonatal [1.31]	Congenital [1.33]	Asthma [1.2]	URI [1.03]	Skin Viral [1.06]	Urticaria [1.4]	ASD [1.36]	Diarrhea [1.2]	Endocrine [4.25]
Tottori	Dermatitis [1.32]	Neonatal [1.16]	Congenital [1.14]	Asthma [0.96]	URI [1.04]	Skin Viral [0.96]	Diarrhea [1.0]	Urticaria [1.07]	ASD [1.35]	Endocrine [3.8]
Toyama	Dermatitis [1.32]	Neonatal [1.13]	Asthma [1.01]	Congenital [1.02]	Diarrhea [1.15]	URI [1.04]	Skin Viral [0.98]	Urticaria [1.15]	ASD [1.34]	Falls [1.14]
Wakayama	Dermatitis [1.32]	Neonatal [1.2]	Asthma [0.96]	Congenital [0.82]	URI [1.05]	Skin Viral [0.96]	Diarrhea [1.02]	Urticaria [1.09]	ASD [1.35]	Falls [1.23]
Yamagata	Dermatitis [1.33]	Neonatal [0.99]	Asthma [0.95]	Congenital [0.97]	Diarrhea [1.16]	URI [1.05]	Skin Viral [0.96]	Urticaria [1.06]	ASD [1.32]	Falls [1.29]
Yamaguchi	Dermatitis [1.32]	Neonatal [1.03]	Asthma [0.98]	Congenital [0.93]	Diarrhea [1.23]	URI [1.04]	Skin Viral [0.97]	Urticaria [1.12]	ASD [1.35]	Falls [1.17]
Yamanashi	Dermatitis [1.32]	Neonatal [1.29]	Asthma [1.0]	Congenital [1.07]	URI [1.04]	Skin Viral [0.98]	Diarrhea [1.07]	Urticaria [1.14]	ASD [1.32]	Falls [1.16]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
S Korea	Neonatal [1.22]	Dermatitis [1.16]	Asthma [1.03]	Iron [13.49]	Diarrhea [1.36]	Congenital [0.8]	Skin Viral [1.0]	URI [1.02]	Urticaria [1.14]	ASD [1.1]
Singapore	Neonatal [1.21]	Dermatitis [1.1]	Asthma [1.03]	Diarrhea [1.31]	Skin Viral [1.0]	URI [1.02]	Congenital [0.69]	Urticaria [1.14]	ASD [1.18]	Falls [1.1]
High-income North America	Dermatitis [1.61]	Neonatal [0.94]	Asthma [1.46]	Congenital [0.9]	URI [1.16]	Skin Viral [0.97]	Urticaria [1.16]	ASD [1.26]	Diarrhea [0.73]	Psoriasis [4.3]
Canada	Dermatitis [1.75]	Asthma [1.7]	Neonatal [0.66]	URI [1.18]	Skin Viral [1.1]	ASD [1.53]	Congenital [0.81]	Urticaria [1.2]	Diarrhea [1.0]	Psoriasis [4.18]
Greenland	Dermatitis [1.68]	Asthma [1.37]	Neonatal [0.63]	URI [1.23]	Congenital [0.79]	Skin Viral [0.97]	Urticaria [0.9]	Diarrhea [0.73]	ASD [1.31]	Epilepsy [0.9]
USA	Dermatitis [1.6]	Neonatal [0.96]	Asthma [1.42]	Congenital [0.9]	URI [1.16]	Skin Viral [0.95]	Urticaria [1.14]	ASD [1.23]	Diarrhea [0.7]	Psoriasis [4.32]
Alabama	Dermatitis [1.41]	Neonatal [0.94]	Asthma [1.31]	URI [1.17]	Skin Viral [1.06]	Congenital [0.72]	Urticaria [0.93]	Diarrhea [0.71]	Epilepsy [1.22]	ASD [0.79]
Alaska	Dermatitis [1.45]	Neonatal [0.89]	Asthma [1.06]	Congenital [0.98]	URI [1.16]	ASD [1.15]	Skin Viral [0.72]	Urticaria [0.91]	Diarrhea [0.78]	Iron [5.06]
Arizona	Dermatitis [1.67]	Neonatal [0.94]	Asthma [1.36]	Congenital [0.88]	URI [1.16]	Urticaria [1.08]	ASD [1.26]	Skin Viral [0.78]	Diarrhea [0.68]	Epilepsy [1.08]
Arkansas	Dermatitis [1.29]	Neonatal [0.82]	Asthma [0.96]	URI [1.17]	Congenital [0.75]	Skin Viral [0.89]	ASD [1.24]	Urticaria [0.81]	Diarrhea [0.67]	Epilepsy [1.09]
California	Dermatitis [1.8]	Neonatal [0.82]	Asthma [1.4]	URI [1.16]	Congenital [0.84]	ASD [1.41]	Urticaria [1.12]	Skin Viral [0.85]	Psoriasis [4.45]	Diarrhea [0.64]
Colorado	Dermatitis [1.46]	Neonatal [0.97]	Asthma [1.27]	Congenital [0.93]	URI [1.16]	Urticaria [1.14]	Skin Viral [0.73]	ASD [1.08]	Diarrhea [0.69]	Epilepsy [1.17]
Connecticut	Dermatitis [1.78]	Neonatal [1.17]	Asthma [1.98]	URI [1.16]	Congenital [0.91]	Skin Viral [1.14]	Urticaria [1.44]	ASD [1.17]	Diarrhea [0.81]	Psoriasis [4.63]
Delaware	Dermatitis [1.42]	Neonatal [0.96]	Asthma [1.56]	Congenital [0.94]	URI [1.16]	Skin Viral [1.1]	Urticaria [1.21]	ASD [1.15]	Diarrhea [0.77]	Epilepsy [1.52]
DC	Dermatitis [2.06]	Neonatal [0.96]	Asthma [1.62]	Congenital [0.93]	URI [1.15]	Skin Viral [1.12]	Urticaria [1.2]	ASD [1.14]	Diarrhea [0.79]	Psoriasis [4.19]
Florida	Dermatitis [1.6]	Neonatal [1.07]	Asthma [1.73]	Skin Viral [1.15]	Congenital [0.89]	URI [1.16]	Urticaria [1.21]	Psoriasis [5.41]	Diarrhea [0.69]	Epilepsy [1.28]
Georgia	Dermatitis [1.73]	Neonatal [0.9]	Asthma [1.52]	URI [1.16]	Congenital [0.81]	Skin Viral [1.03]	Urticaria [1.04]	ASD [1.17]	Diarrhea [0.69]	Psoriasis [4.86]
Hawaii	Dermatitis [1.83]	Neonatal [0.87]	Asthma [1.64]	Skin Viral [1.13]	URI [1.16]	Congenital [0.88]	Urticaria [1.38]	ASD [1.16]	Diarrhea [0.72]	Psoriasis [4.36]
Idaho	Dermatitis [1.35]	Neonatal [0.78]	Asthma [0.79]	URI [1.17]	Skin Viral [1.04]	Congenital [0.79]	ASD [1.15]	Urticaria [0.82]	Diarrhea [0.69]	Epilepsy [0.96]
Illinois	Dermatitis [1.41]	Neonatal [1.13]	Asthma [1.28]	Congenital [0.97]	URI [1.15]	Urticaria [1.25]	Skin Viral [0.94]	ASD [1.15]	Diarrhea [0.72]	Epilepsy [1.34]
Indiana	Dermatitis [1.37]	Neonatal [0.92]	Asthma [1.33]	Congenital [0.98]	URI [1.16]	Skin Viral [0.81]	Urticaria [0.97]	ASD [1.15]	Diarrhea [0.74]	Epilepsy [1.32]
Iowa	Dermatitis [1.23]	Neonatal [0.9]	Asthma [0.86]	URI [1.16]	Congenital [0.88]	Skin Viral [0.93]	Urticaria [1.1]	ASD [1.15]	Diarrhea [0.74]	Psoriasis [3.34]
Kansas	Dermatitis [1.31]	Neonatal [0.98]	Asthma [1.32]	URI [1.16]	Congenital [0.81]	Skin Viral [0.86]	Urticaria [1.08]	ASD [1.15]	Iron [7.06]	Diarrhea [0.72]
Kentucky	Dermatitis [1.39]	Neonatal [0.93]	Asthma [1.3]	Congenital [0.89]	URI [1.17]	Skin Viral [0.97]	Urticaria [1.03]	ASD [1.15]	Epilepsy [1.31]	Diarrhea [0.59]
Louisiana	Dermatitis [1.48]	Neonatal [0.86]	Asthma [1.17]	Skin Viral [1.32]	Congenital [0.88]	URI [1.17]	Urticaria [1.12]	Epilepsy [1.32]	Diarrhea [0.61]	Psoriasis [4.44]
Maine	Dermatitis [1.21]	Neonatal [0.98]	Asthma [1.58]	Congenital [0.9]	URI [1.16]	Urticaria [1.15]	Skin Viral [0.81]	ASD [1.16]	Diarrhea [0.78]	Epilepsy [1.2]
Maryland	Dermatitis [1.78]	Neonatal [1.13]	Asthma [1.72]	URI [1.15]	Congenital [0.9]	Urticaria [1.29]	Skin Viral [0.94]	ASD [1.27]	Diarrhea [0.76]	Psoriasis [4.49]
Massachusetts	Dermatitis [1.59]	Neonatal [1.13]	Asthma [1.75]	Congenital [1.0]	URI [1.16]	Skin Viral [1.1]	ASD [1.55]	Urticaria [1.51]	Diarrhea [0.83]	Psoriasis [4.71]
Michigan	Dermatitis [1.43]	Neonatal [0.96]	Asthma [1.52]	Congenital [1.02]	URI [1.16]	Skin Viral [1.02]	Urticaria [1.18]	ASD [1.15]	Diarrhea [0.73]	Epilepsy [1.31]
Minnesota	Dermatitis [1.26]	Neonatal [1.02]	Asthma [1.11]	Congenital [0.97]	URI [1.16]	Skin Viral [1.01]	Urticaria [1.27]	ASD [1.37]	Diarrhea [0.75]	Epilepsy [1.19]
Mississippi	Dermatitis [1.29]	Neonatal [0.88]	Asthma [0.94]	URI [1.17]	Skin Viral [0.93]	Congenital [0.68]	ASD [1.14]	Urticaria [0.85]	Diarrhea [0.67]	Epilepsy [1.05]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Missouri	Dermatitis [1.24]	Neonatal [0.97]	Asthma [1.33]	Congenital [0.93]	URI [1.16]	Skin Viral [0.87]	ASD [1.21]	Urticaria [0.98]	Diarrhea [0.72]	Epilepsy [1.15]
Montana	Dermatitis [1.26]	Neonatal [0.95]	Asthma [0.97]	URI [1.16]	Congenital [0.82]	Skin Viral [0.94]	ASD [1.16]	Urticaria [0.88]	Diarrhea [0.66]	Epilepsy [1.23]
Nebraska	Dermatitis [1.25]	Neonatal [0.92]	Asthma [0.88]	Congenital [0.93]	URI [1.16]	Skin Viral [0.96]	Urticaria [1.14]	ASD [1.17]	Diarrhea [0.71]	Psoriasis [3.5]
Nevada	Dermatitis [1.58]	Neonatal [0.9]	Asthma [1.21]	URI [1.17]	Congenital [0.73]	Urticaria [1.02]	ASD [1.15]	Skin Viral [0.67]	Diarrhea [0.66]	Epilepsy [1.17]
New Hampshire	Dermatitis [1.23]	Neonatal [0.96]	Asthma [1.47]	URI [1.16]	Congenital [0.93]	Skin Viral [0.92]	Urticaria [1.2]	ASD [1.17]	Diarrhea [0.88]	Psoriasis [4.35]
New Jersey	Dermatitis [1.94]	Neonatal [1.06]	Asthma [2.04]	Congenital [1.08]	URI [1.15]	ASD [1.7]	Skin Viral [1.12]	Urticaria [1.37]	Psoriasis [5.31]	Diarrhea [0.81]
New Mexico	Dermatitis [1.46]	Neonatal [1.0]	Asthma [1.32]	Congenital [0.87]	URI [1.17]	Urticaria [0.96]	ASD [1.15]	Skin Viral [0.63]	Diarrhea [0.64]	Epilepsy [1.24]
New York	Dermatitis [1.95]	Neonatal [1.1]	Asthma [2.13]	Congenital [1.1]	Skin Viral [1.17]	URI [1.15]	Urticaria [1.38]	Psoriasis [5.63]	Epilepsy [1.46]	Diarrhea [0.73]
N Carolina	Dermatitis [1.49]	Neonatal [0.95]	Asthma [1.25]	Congenital [0.88]	URI [1.16]	Skin Viral [0.97]	Urticaria [1.11]	ASD [1.34]	Diarrhea [0.71]	Psoriasis [4.26]
N Dakota	Dermatitis [1.23]	Neonatal [1.0]	Asthma [1.17]	Congenital [1.16]	URI [1.16]	Skin Viral [0.91]	ASD [1.16]	Urticaria [0.98]	Diarrhea [0.71]	Epilepsy [1.1]
Ohio	Dermatitis [1.51]	Neonatal [0.92]	Asthma [1.36]	Congenital [1.02]	URI [1.16]	Urticaria [1.15]	Skin Viral [0.9]	ASD [1.15]	Diarrhea [0.73]	Epilepsy [1.39]
Oklahoma	Dermatitis [1.58]	Neonatal [0.87]	Asthma [1.36]	URI [1.16]	Congenital [0.85]	Skin Viral [0.82]	Urticaria [0.94]	ASD [1.15]	Diarrhea [0.69]	Epilepsy [1.27]
Oregon	Dermatitis [1.67]	Neonatal [0.83]	Asthma [1.12]	URI [1.16]	Congenital [0.87]	Skin Viral [0.94]	Urticaria [1.11]	ASD [1.16]	Diarrhea [0.71]	Psoriasis [4.1]
Pennsylvania	Dermatitis [1.53]	Neonatal [0.98]	Asthma [1.57]	Congenital [1.06]	URI [1.16]	Skin Viral [0.93]	Urticaria [1.21]	ASD [1.05]	Diarrhea [0.76]	Epilepsy [1.38]
Rhode Island	Dermatitis [1.41]	Neonatal [0.95]	Asthma [1.61]	Congenital [0.92]	URI [1.16]	Skin Viral [1.14]	Urticaria [1.34]	ASD [1.16]	Diarrhea [0.79]	Psoriasis [4.42]
S Carolina	Dermatitis [1.72]	Neonatal [0.89]	Asthma [1.3]	URI [1.16]	Congenital [0.83]	Skin Viral [1.01]	Urticaria [1.16]	ASD [0.98]	Diarrhea [0.69]	Psoriasis [4.45]
S Dakota	Dermatitis [1.23]	Neonatal [0.82]	Asthma [0.84]	URI [1.17]	Congenital [0.84]	Skin Viral [0.98]	ASD [1.15]	Urticaria [0.93]	Diarrhea [0.68]	Epilepsy [1.05]
Tennessee	Dermatitis [1.4]	Neonatal [0.89]	Asthma [1.01]	URI [1.17]	Congenital [0.79]	ASD [1.49]	Skin Viral [0.88]	Urticaria [1.02]	Diarrhea [0.67]	Epilepsy [1.18]
Texas	Dermatitis [1.71]	Neonatal [0.99]	Asthma [1.43]	URI [1.16]	Congenital [0.83]	ASD [1.61]	Skin Viral [0.88]	Urticaria [1.05]	Diarrhea [0.62]	Psoriasis [4.62]
Utah	Dermatitis [1.39]	Neonatal [0.87]	Asthma [0.87]	ASD [1.92]	URI [1.17]	Skin Viral [1.08]	Congenital [0.84]	Urticaria [0.94]	Diarrhea [0.72]	Iron [5.61]
Vermont	Dermatitis [1.23]	Neonatal [1.03]	Asthma [1.36]	URI [1.16]	Congenital [0.91]	Skin Viral [0.86]	ASD [1.17]	Urticaria [1.01]	Diarrhea [0.83]	Psoriasis [3.8]
Virginia	Dermatitis [1.81]	Neonatal [1.06]	Asthma [1.47]	URI [1.16]	Congenital [0.82]	Urticaria [1.29]	Skin Viral [0.84]	ASD [1.16]	Diarrhea [0.78]	Epilepsy [1.36]
Washington	Dermatitis [1.64]	Neonatal [0.9]	Asthma [1.08]	Congenital [0.95]	URI [1.16]	Urticaria [1.29]	Skin Viral [0.96]	ASD [1.16]	Diarrhea [0.76]	Psoriasis [4.09]
W Virginia	Dermatitis [1.43]	Neonatal [0.9]	Asthma [1.36]	URI [1.17]	Congenital [0.8]	Urticaria [0.97]	Skin Viral [0.79]	Diarrhea [0.71]	Epilepsy [1.37]	ASD [0.86]
Wisconsin	Dermatitis [1.26]	Neonatal [1.03]	Asthma [1.09]	Congenital [0.98]	URI [1.16]	Skin Viral [0.93]	Urticaria [1.13]	ASD [1.04]	Epilepsy [1.35]	Diarrhea [0.66]
Wyoming	Dermatitis [1.37]	Neonatal [0.8]	Asthma [1.04]	Congenital [0.91]	URI [1.16]	ASD [1.15]	Skin Viral [0.75]	Urticaria [0.85]	Diarrhea [0.73]	Epilepsy [1.2]
Southern Latin America	Diarrhea [2.96]	Neonatal [0.92]	Dermatitis [1.05]	Asthma [0.96]	Congenital [0.73]	Skin Viral [0.92]	Urticaria [0.81]	URI [0.92]	ASD [1.11]	Vit A [0.46]
Argentina	Diarrhea [3.18]	Neonatal [0.89]	Dermatitis [1.0]	Asthma [0.93]	Congenital [0.74]	Skin Viral [0.92]	Urticaria [0.8]	URI [0.92]	ASD [1.11]	Vit A [0.47]
Chile	Dermatitis [1.22]	Neonatal [1.01]	Diarrhea [2.48]	Asthma [1.0]	Congenital [0.72]	Skin Viral [0.93]	Urticaria [0.86]	URI [0.9]	ASD [1.1]	Epilepsy [1.18]
Uruguay	Neonatal [0.97]	Dermatitis [0.99]	Diarrhea [1.46]	Asthma [1.05]	Skin Viral [0.92]	Congenital [0.7]	Urticaria [0.79]	URI [0.93]	ASD [1.12]	Vit A [0.48]
Western Europe	Dermatitis [1.12]	Neonatal [0.85]	Congenital [1.04]	URI [1.29]	Asthma [0.79]	Skin Viral [0.95]	Diarrhea [0.88]	ASD [1.04]	Falls [0.91]	Epilepsy [1.06]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Andorra	Dermatitis [1.31]	Neonatal [0.92]	Congenital [1.09]	Asthma [0.95]	URI [1.28]	Skin Viral [1.01]	Diarrhea [0.92]	ASD [1.03]	Falls [0.79]	Urticaria [0.68]
Austria	Neonatal [1.37]	Dermatitis [0.83]	Congenital [1.07]	URI [1.29]	Diarrhea [1.35]	Asthma [0.73]	Hernia [3.72]	Skin Viral [0.96]	ASD [1.03]	Falls [0.92]
Belgium	Dermatitis [0.98]	Neonatal [0.61]	Congenital [1.02]	URI [1.28]	Diarrhea [1.2]	Asthma [0.71]	Skin Viral [0.98]	ASD [1.03]	Falls [0.97]	Epilepsy [1.2]
Cyprus	Neonatal [1.11]	Dermatitis [0.85]	Congenital [1.01]	URI [1.29]	Asthma [0.74]	Skin Viral [0.96]	Diarrhea [1.05]	ASD [1.04]	Hernia [1.81]	Falls [0.88]
Denmark	Dermatitis [1.22]	Neonatal [0.75]	Congenital [1.18]	URI [1.27]	Asthma [0.96]	Skin Viral [1.14]	Diarrhea [1.3]	ASD [1.22]	Urticaria [0.79]	Falls [0.75]
Finland	Neonatal [1.76]	Dermatitis [1.3]	Congenital [1.1]	URI [1.28]	Asthma [0.88]	Diarrhea [1.37]	Skin Viral [1.01]	ASD [1.05]	Falls [0.91]	Urticaria [0.67]
France	Dermatitis [1.21]	Neonatal [0.7]	Congenital [1.02]	URI [1.29]	Asthma [0.81]	Skin Viral [0.96]	ASD [0.96]	Urticaria [0.65]	Epilepsy [1.15]	Falls [0.91]
Germany	Dermatitis [0.97]	Neonatal [1.01]	Congenital [1.05]	Diarrhea [1.45]	URI [1.28]	Skin Viral [0.98]	Epilepsy [2.0]	Asthma [0.6]	ASD [1.04]	Falls [0.89]
Greece	Neonatal [0.86]	Dermatitis [0.74]	Congenital [0.98]	URI [1.31]	Asthma [0.65]	Skin Viral [0.92]	Diarrhea [0.71]	ASD [1.03]	Urticaria [0.55]	Falls [1.03]
Iceland	Dermatitis [1.35]	Neonatal [0.94]	Asthma [1.27]	URI [1.28]	Congenital [1.0]	Skin Viral [1.1]	Diarrhea [1.05]	ASD [1.0]	Falls [0.78]	Urticaria [0.69]
Ireland	Dermatitis [1.15]	Neonatal [0.78]	Asthma [1.07]	Congenital [1.13]	URI [1.28]	Skin Viral [0.98]	ASD [1.11]	Diarrhea [0.69]	Falls [0.95]	Urticaria [0.64]
Israel	Dermatitis [1.05]	Neonatal [0.92]	Congenital [1.0]	URI [1.3]	Asthma [0.68]	Blindness [2.53]	Skin Viral [0.9]	ASD [0.96]	Falls [1.07]	Diarrhea [0.46]
Italy	Dermatitis [0.98]	Neonatal [0.66]	Congenital [0.99]	URI [1.3]	Skin Viral [0.95]	ASD [1.03]	Asthma [0.42]	Diarrhea [0.62]	Blindness [1.04]	Falls [0.79]
Luxembourg	Dermatitis [1.31]	Neonatal [1.21]	Asthma [1.05]	Congenital [1.07]	URI [1.28]	Skin Viral [1.02]	Diarrhea [1.15]	ASD [1.05]	Vit A [2.42]	Falls [0.75]
Malta	Dermatitis [0.88]	Neonatal [0.72]	Congenital [1.19]	URI [1.3]	Asthma [0.77]	Skin Viral [0.93]	ASD [1.04]	Falls [1.28]	Urticaria [0.56]	Diarrhea [0.42]
Netherlands	Dermatitis [1.22]	Neonatal [0.95]	Congenital [1.09]	URI [1.28]	Asthma [0.85]	Skin Viral [0.95]	ASD [1.15]	Urticaria [0.7]	Diarrhea [0.62]	Falls [0.72]
Norway	Dermatitis [1.31]	Neonatal [1.11]	Diarrhea [4.13]	Congenital [1.47]	Asthma [1.28]	URI [1.27]	Skin Viral [1.09]	ASD [0.98]	Hernia [2.31]	Falls [0.97]
Portugal	Dermatitis [0.94]	Neonatal [0.59]	Asthma [0.98]	URI [1.31]	Congenital [0.8]	Skin Viral [0.86]	ASD [1.03]	Diarrhea [0.43]	Vit A [0.75]	Urticaria [0.48]
Spain	Dermatitis [0.75]	Neonatal [0.71]	URI [1.31]	Congenital [0.93]	Asthma [0.61]	Skin Viral [0.92]	ASD [1.04]	Diarrhea [0.52]	ID [4.78]	Urticaria [0.54]
Sweden	Dermatitis [1.63]	Neonatal [0.8]	Asthma [1.1]	Congenital [1.23]	URI [1.27]	Skin Viral [1.07]	Diarrhea [1.21]	ASD [1.13]	Falls [1.0]	Urticaria [0.77]
Stockholm	Dermatitis [1.34]	Neonatal [0.8]	Congenital [1.28]	Asthma [1.01]	URI [1.26]	Skin Viral [1.11]	Diarrhea [1.33]	ASD [1.43]	Vit A [2.98]	Falls [0.9]
Sweden w/o Stockholm	Dermatitis [1.73]	Neonatal [0.8]	Asthma [1.13]	Congenital [1.21]	URI [1.27]	Skin Viral [1.06]	Diarrhea [1.17]	ASD [1.04]	Falls [1.04]	Urticaria [0.75]
Switzerland	Dermatitis [1.3]	Neonatal [0.87]	Congenital [1.08]	URI [1.28]	Asthma [0.86]	Diarrhea [1.21]	Skin Viral [0.99]	ASD [1.04]	Urticaria [0.66]	Blindness [1.05]
UK	Dermatitis [1.43]	Neonatal [0.99]	Asthma [1.18]	Congenital [1.12]	URI [1.28]	Skin Viral [0.88]	Diarrhea [0.91]	ASD [1.11]	Urticaria [0.62]	Iron [4.15]
England	Dermatitis [1.46]	Neonatal [1.02]	Asthma [1.21]	Congenital [1.12]	URI [1.28]	Skin Viral [0.87]	Diarrhea [0.95]	ASD [1.12]	Iron [4.54]	Urticaria [0.64]
E Midlands	Dermatitis [1.44]	Neonatal [0.96]	Asthma [1.12]	Congenital [1.14]	URI [1.28]	Skin Viral [0.85]	Diarrhea [0.89]	ASD [1.1]	Urticaria [0.6]	Iron [3.48]
Derby	Dermatitis [1.43]	Neonatal [0.98]	Asthma [1.15]	Congenital [1.16]	URI [1.28]	Skin Viral [0.86]	Diarrhea [0.8]	ASD [1.1]	Urticaria [0.63]	Falls [0.98]
Derbyshire	Dermatitis [1.44]	Neonatal [0.88]	Asthma [1.08]	Congenital [1.12]	URI [1.29]	Diarrhea [0.89]	Skin Viral [0.84]	ASD [1.1]	Iron [2.94]	Urticaria [0.58]
Leicester	Dermatitis [1.44]	Neonatal [0.84]	Asthma [1.14]	Congenital [1.16]	URI [1.28]	Skin Viral [0.86]	Diarrhea [0.9]	ASD [1.1]	Urticaria [0.62]	Falls [1.01]
Leicestershire	Dermatitis [1.44]	Neonatal [0.82]	Asthma [1.15]	Congenital [1.16]	URI [1.28]	Skin Viral [0.86]	Iron [6.52]	Diarrhea [0.84]	ASD [1.1]	Urticaria [0.63]
Lincolnshire	Dermatitis [1.44]	Neonatal [0.93]	Asthma [1.08]	Congenital [1.12]	URI [1.29]	Diarrhea [0.88]	Skin Viral [0.84]	ASD [1.1]	Iron [2.73]	Urticaria [0.57]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Northamptonshire	Dermatitis [1.44]	Neonatal [1.05]	Asthma [1.11]	Congenital [1.14]	URI [1.28]	Diarrhea [0.99]	Skin Viral [0.85]	ASD [1.1]	Urticaria [0.6]	Falls [1.03]
Nottingham	Dermatitis [1.43]	Neonatal [1.17]	Asthma [1.21]	Congenital [1.18]	URI [1.27]	Skin Viral [0.88]	Diarrhea [0.88]	ASD [1.11]	Urticaria [0.66]	Falls [0.92]
Nottinghamshire	Dermatitis [1.44]	Neonatal [1.03]	Asthma [1.09]	Congenital [1.13]	URI [1.29]	Diarrhea [0.87]	Skin Viral [0.84]	ASD [1.1]	Iron [3.21]	Urticaria [0.58]
Rutland	Dermatitis [1.44]	Neonatal [0.69]	Asthma [1.13]	Congenital [1.13]	URI [1.29]	Skin Viral [0.86]	Diarrhea [0.8]	ASD [1.09]	Urticaria [0.61]	Falls [1.02]
E England	Dermatitis [1.44]	Neonatal [0.92]	Asthma [1.14]	Congenital [1.05]	URI [1.28]	Skin Viral [0.86]	Diarrhea [0.86]	ASD [1.17]	Urticaria [0.62]	Falls [1.0]
Bedford	Dermatitis [1.44]	Neonatal [1.11]	Asthma [1.13]	Congenital [1.06]	URI [1.27]	Skin Viral [0.86]	Diarrhea [0.82]	ASD [1.09]	Urticaria [0.62]	Falls [0.98]
Cambridgeshire	Dermatitis [1.43]	Neonatal [0.96]	Asthma [1.21]	Congenital [1.09]	URI [1.28]	ASD [1.67]	Skin Viral [0.89]	Diarrhea [0.96]	Urticaria [0.68]	Falls [0.9]
Cen Bedfordshire	Dermatitis [1.44]	Neonatal [0.99]	Asthma [1.12]	Congenital [1.02]	URI [1.28]	Skin Viral [0.86]	Diarrhea [0.89]	ASD [1.1]	Urticaria [0.61]	Falls [1.01]
Essex	Dermatitis [1.44]	Neonatal [0.91]	Asthma [1.11]	Congenital [1.04]	URI [1.29]	Skin Viral [0.85]	Diarrhea [0.77]	ASD [1.11]	Urticaria [0.6]	Falls [1.03]
Hertfordshire	Dermatitis [1.43]	Neonatal [0.94]	Asthma [1.22]	Congenital [1.07]	URI [1.27]	Skin Viral [0.89]	Diarrhea [0.89]	ASD [1.12]	Urticaria [0.68]	Falls [0.9]
Luton	Dermatitis [1.44]	Neonatal [1.04]	Asthma [1.13]	Congenital [1.06]	URI [1.28]	Diarrhea [1.02]	Skin Viral [0.85]	ASD [1.1]	Urticaria [0.61]	Falls [1.03]
Norfolk	Dermatitis [1.44]	Neonatal [0.78]	Asthma [1.1]	Congenital [1.04]	URI [1.28]	Diarrhea [0.92]	Skin Viral [0.85]	ASD [1.11]	Iron [4.43]	Urticaria [0.6]
Peterborough	Dermatitis [1.44]	Neonatal [0.74]	Asthma [1.11]	Congenital [1.03]	URI [1.28]	Diarrhea [0.89]	Skin Viral [0.84]	ASD [1.1]	Iron [3.68]	Urticaria [0.59]
Southend-on-Sea	Dermatitis [1.44]	Neonatal [1.06]	Asthma [1.07]	Congenital [1.03]	URI [1.29]	Skin Viral [0.84]	ASD [1.1]	Diarrhea [0.7]	Iron [3.29]	Urticaria [0.58]
Suffolk	Dermatitis [1.44]	Neonatal [0.95]	Asthma [1.09]	Congenital [1.02]	URI [1.29]	Skin Viral [0.84]	Diarrhea [0.87]	ASD [1.11]	Urticaria [0.59]	Falls [1.07]
Thurrock	Dermatitis [1.45]	Neonatal [1.0]	Asthma [1.07]	Congenital [1.02]	URI [1.29]	Skin Viral [0.84]	Diarrhea [0.69]	ASD [1.09]	Urticaria [0.57]	Falls [1.13]
Greater London	Dermatitis [1.44]	Neonatal [1.1]	Asthma [1.49]	Congenital [1.13]	URI [1.26]	Skin Viral [0.91]	Diarrhea [0.96]	ASD [1.12]	Urticaria [0.73]	Falls [0.82]
Barking & Dagenham	Dermatitis [1.81]	Neonatal [0.97]	Asthma [1.21]	Congenital [1.01]	URI [1.29]	Iron [4.13]	Skin Viral [0.83]	Diarrhea [0.75]	ASD [1.1]	Urticaria [0.56]
Barnet	Dermatitis [1.43]	Neonatal [1.02]	Asthma [1.38]	Congenital [1.06]	URI [1.27]	Skin Viral [0.88]	Diarrhea [0.85]	ASD [1.11]	Urticaria [0.66]	Falls [0.9]
Bexley	Dermatitis [1.44]	Neonatal [0.94]	Asthma [1.28]	Congenital [1.03]	URI [1.29]	Skin Viral [0.85]	Diarrhea [0.85]	ASD [1.18]	Urticaria [0.6]	Falls [1.05]
Brent	Dermatitis [1.43]	Neonatal [1.05]	Asthma [1.34]	Congenital [1.04]	URI [1.27]	Skin Viral [0.87]	Diarrhea [0.86]	ASD [1.1]	Iron [5.68]	Urticaria [0.64]
Bromley	Dermatitis [1.43]	Neonatal [1.11]	Asthma [1.34]	Congenital [1.07]	URI [1.28]	Skin Viral [0.87]	ASD [1.18]	Diarrhea [0.73]	Urticaria [0.63]	Falls [0.96]
Camden	Dermatitis [1.44]	Neonatal [1.0]	Asthma [1.63]	Congenital [1.17]	URI [1.26]	Skin Viral [0.95]	ASD [1.13]	Diarrhea [1.02]	Urticaria [0.81]	Falls [0.74]
Croydon	Dermatitis [1.44]	Neonatal [1.0]	Asthma [1.3]	Congenital [1.05]	URI [1.29]	Skin Viral [0.86]	Diarrhea [0.79]	ASD [1.1]	Iron [4.29]	Urticaria [0.61]
Ealing	Dermatitis [1.43]	Neonatal [1.15]	Asthma [1.39]	Congenital [1.06]	URI [1.27]	Skin Viral [0.88]	Diarrhea [0.95]	ASD [1.1]	Iron [5.47]	Urticaria [0.66]
Enfield	Dermatitis [1.44]	Neonatal [1.05]	Asthma [1.32]	Congenital [1.05]	URI [1.28]	Skin Viral [0.86]	Diarrhea [0.88]	ASD [1.11]	Urticaria [0.62]	Falls [0.98]
Greenwich	Dermatitis [1.44]	Neonatal [0.98]	Asthma [1.3]	Congenital [1.07]	URI [1.28]	Skin Viral [0.86]	Diarrhea [0.84]	ASD [1.17]	Urticaria [0.61]	Falls [1.0]
Hackney	Dermatitis [1.43]	Neonatal [1.09]	Asthma [1.49]	Congenital [1.11]	URI [1.26]	Skin Viral [0.9]	Diarrhea [0.93]	ASD [1.09]	Urticaria [0.71]	Falls [0.85]
Hammersmith & Fulham	Dermatitis [1.44]	Neonatal [1.11]	Asthma [1.59]	Congenital [1.16]	URI [1.26]	Skin Viral [0.95]	Diarrhea [1.07]	ASD [1.11]	Urticaria [0.8]	Falls [0.75]
Haringey	Dermatitis [1.43]	Neonatal [1.11]	Asthma [1.35]	Congenital [1.08]	URI [1.26]	Skin Viral [0.87]	Diarrhea [0.82]	ASD [1.09]	Iron [4.96]	Urticaria [0.64]
Harrow	Dermatitis [1.43]	Neonatal [1.14]	Asthma [1.35]	Congenital [1.06]	URI [1.28]	Skin Viral [0.87]	Diarrhea [0.87]	ASD [1.1]	Urticaria [0.64]	Falls [0.95]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Havering	Dermatitis [1.44]	Neonatal [0.98]	Asthma [1.27]	Congenital [1.04]	URI [1.29]	Skin Viral [0.85]	Diarrhea [0.79]	ASD [1.11]	Urticaria [0.6]	Falls [1.05]
Hillingdon	Dermatitis [1.43]	Neonatal [1.19]	Asthma [1.45]	Congenital [1.09]	URI [1.26]	Skin Viral [0.89]	Diarrhea [1.05]	ASD [1.11]	Urticaria [0.7]	Falls [0.86]
Hounslow	Dermatitis [1.43]	Neonatal [1.14]	Asthma [1.44]	Congenital [1.08]	URI [1.26]	Skin Viral [0.89]	Diarrhea [0.91]	ASD [1.11]	Iron [8.2]	Urticaria [0.7]
Islington	Dermatitis [1.44]	Neonatal [0.97]	Asthma [1.59]	Congenital [1.17]	URI [1.26]	Skin Viral [0.94]	Diarrhea [1.03]	ASD [1.12]	Urticaria [0.78]	Falls [0.76]
Kensington & Chelsea	Dermatitis [1.44]	Neonatal [0.96]	Asthma [1.62]	Congenital [1.16]	URI [1.26]	Skin Viral [0.95]	ASD [1.14]	Diarrhea [0.92]	Urticaria [0.81]	Falls [0.74]
Kingston upon Thames	Dermatitis [1.43]	Neonatal [1.15]	Asthma [1.48]	Congenital [1.13]	URI [1.27]	Skin Viral [0.9]	ASD [1.11]	Diarrhea [0.89]	Urticaria [0.72]	Falls [0.83]
Lambeth	Dermatitis [1.43]	Neonatal [0.81]	Asthma [1.5]	Congenital [1.15]	URI [1.26]	Skin Viral [0.92]	ASD [1.11]	Diarrhea [0.9]	Urticaria [0.74]	Falls [0.8]
Lewisham	Dermatitis [1.43]	Neonatal [1.2]	Asthma [1.33]	Congenital [1.07]	URI [1.27]	Skin Viral [0.86]	ASD [1.17]	Diarrhea [0.76]	Urticaria [0.63]	Iron [4.06]
Merton	Dermatitis [1.43]	Neonatal [1.07]	Asthma [1.43]	Congenital [1.1]	URI [1.27]	Skin Viral [0.89]	ASD [1.11]	Diarrhea [0.81]	Urticaria [0.68]	Falls [0.87]
Newham	Dermatitis [1.43]	Neonatal [1.08]	Asthma [1.32]	Congenital [1.05]	URI [1.28]	Skin Viral [0.86]	Diarrhea [0.9]	ASD [1.09]	Urticaria [0.62]	Falls [0.96]
Redbridge	Dermatitis [1.44]	Neonatal [1.0]	Asthma [1.28]	Congenital [1.11]	URI [1.28]	Skin Viral [0.85]	Diarrhea [0.84]	ASD [1.11]	Iron [4.08]	Urticaria [0.6]
Richmond upon Thames	Dermatitis [1.43]	Neonatal [1.21]	Asthma [1.5]	Congenital [1.14]	URI [1.27]	Skin Viral [0.91]	ASD [1.12]	Diarrhea [0.84]	Iron [8.69]	Urticaria [0.74]
Southwark	Dermatitis [1.43]	Neonatal [0.83]	Asthma [1.54]	Congenital [1.16]	URI [1.26]	Skin Viral [0.93]	ASD [1.17]	Iron [11.76]	Diarrhea [0.94]	Urticaria [0.76]
Sutton	Dermatitis [1.43]	Neonatal [1.26]	Asthma [1.33]	Congenital [1.06]	URI [1.28]	Skin Viral [0.86]	Diarrhea [0.81]	ASD [1.11]	Urticaria [0.63]	Falls [0.96]
Tower Hamlets	Dermatitis [1.43]	Neonatal [1.2]	Asthma [1.55]	Congenital [1.15]	URI [1.26]	Skin Viral [0.92]	Diarrhea [1.0]	ASD [1.12]	Urticaria [0.75]	Falls [0.81]
Waltham Forest	Dermatitis [1.44]	Neonatal [1.0]	Asthma [1.26]	Congenital [1.05]	URI [1.28]	Skin Viral [0.84]	Diarrhea [0.82]	ASD [1.11]	Urticaria [0.59]	Falls [1.05]
Wandsworth	Dermatitis [1.43]	Neonatal [0.98]	Asthma [1.55]	Congenital [1.16]	URI [1.26]	Skin Viral [0.93]	ASD [1.12]	Diarrhea [0.85]	Urticaria [0.76]	Falls [0.78]
Westminster	Dermatitis [1.44]	Neonatal [0.91]	Asthma [1.61]	Congenital [1.15]	URI [1.26]	Skin Viral [0.94]	ASD [1.12]	Diarrhea [0.96]	Urticaria [0.8]	Falls [0.75]
NE England	Dermatitis [1.54]	Neonatal [0.9]	Asthma [1.1]	Congenital [1.28]	URI [1.29]	Diarrhea [1.09]	Skin Viral [0.84]	ASD [1.1]	Urticaria [0.59]	Falls [1.06]
County Durham	Dermatitis [1.68]	Neonatal [0.95]	Asthma [1.09]	Congenital [1.27]	URI [1.29]	Diarrhea [1.08]	Skin Viral [0.84]	ASD [1.1]	Urticaria [0.57]	Falls [1.11]
Darlington	Dermatitis [1.44]	Neonatal [0.87]	Asthma [1.12]	Congenital [1.29]	URI [1.29]	Diarrhea [1.08]	Skin Viral [0.85]	ASD [1.09]	Urticaria [0.59]	Falls [1.04]
Gateshead	Dermatitis [1.66]	Neonatal [1.0]	Asthma [1.12]	Congenital [1.29]	URI [1.28]	Diarrhea [1.05]	Skin Viral [0.85]	ASD [1.1]	Urticaria [0.59]	Falls [1.05]
Hartlepool	Dermatitis [1.45]	Neonatal [0.99]	Asthma [1.08]	Congenital [1.26]	URI [1.29]	Diarrhea [0.92]	Skin Viral [0.83]	ASD [1.1]	Urticaria [0.56]	Falls [1.15]
Middlesbrough	Dermatitis [1.45]	Neonatal [0.78]	Asthma [1.1]	Congenital [1.27]	URI [1.28]	Diarrhea [1.15]	Skin Viral [0.84]	ASD [1.08]	Urticaria [0.57]	Falls [1.09]
Newcastle upon Tyne	Dermatitis [1.43]	Neonatal [0.89]	Asthma [1.24]	Congenital [1.35]	URI [1.27]	Diarrhea [1.25]	Skin Viral [0.88]	ASD [1.11]	Urticaria [0.68]	Falls [0.89]
N Tyneside	Dermatitis [1.44]	Neonatal [0.85]	Asthma [1.12]	Congenital [1.29]	URI [1.28]	Diarrhea [1.19]	Skin Viral [0.84]	ASD [1.12]	Urticaria [0.6]	Falls [1.06]
Northumberland	Dermatitis [1.44]	Neonatal [0.86]	Asthma [1.09]	Congenital [1.28]	URI [1.3]	Diarrhea [1.02]	Skin Viral [0.84]	ASD [1.11]	Urticaria [0.58]	Falls [1.12]
Redcar & Cleveland	Dermatitis [1.45]	Neonatal [0.8]	Asthma [1.06]	Congenital [1.25]	URI [1.3]	Diarrhea [1.04]	Skin Viral [0.83]	ASD [1.11]	Urticaria [0.55]	Falls [1.2]
S Tyneside	Dermatitis [1.68]	Neonatal [0.84]	Asthma [1.06]	Congenital [1.25]	URI [1.3]	Diarrhea [0.98]	Skin Viral [0.83]	ASD [1.1]	Iron [2.44]	Urticaria [0.56]
Stockton-on-Tees	Dermatitis [1.44]	Neonatal [1.07]	Asthma [1.12]	Congenital [1.29]	URI [1.28]	Diarrhea [1.06]	Skin Viral [0.85]	ASD [1.09]	Urticaria [0.59]	Falls [1.04]
Sunderland	Dermatitis [1.67]	Neonatal [0.78]	Congenital [1.28]	Asthma [0.99]	URI [1.29]	Diarrhea [1.08]	Skin Viral [0.84]	ASD [1.1]	Urticaria [0.58]	Falls [1.08]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
NW England	Dermatitis [1.44]	Neonatal [1.1]	Asthma [1.14]	Congenital [1.23]	URI [1.28]	Diarrhea [1.02]	Skin Viral [0.85]	ASD [1.1]	Iron [5.03]	Urticaria [0.61]
Blackburn with Darwen	Dermatitis [1.45]	Neonatal [1.07]	Asthma [1.08]	Congenital [1.15]	URI [1.28]	Diarrhea [1.08]	Iron [4.45]	Skin Viral [0.83]	ASD [1.09]	Urticaria [0.56]
Blackpool	Dermatitis [1.47]	Neonatal [1.01]	Asthma [1.05]	Congenital [1.15]	URI [1.3]	Diarrhea [0.79]	Skin Viral [0.83]	Iron [2.39]	ASD [1.09]	Urticaria [0.54]
Bolton	Dermatitis [1.45]	Neonatal [1.02]	Asthma [1.08]	Congenital [1.16]	URI [1.29]	Diarrhea [0.95]	Skin Viral [0.84]	Iron [4.15]	ASD [1.09]	Urticaria [0.57]
Bury	Dermatitis [1.44]	Neonatal [0.99]	Asthma [1.08]	Congenital [1.18]	URI [1.28]	Diarrhea [0.99]	Iron [5.53]	Skin Viral [0.84]	ASD [1.1]	Urticaria [0.58]
Cheshire E	Dermatitis [1.43]	Neonatal [1.37]	Asthma [1.21]	Congenital [1.34]	URI [1.28]	Diarrhea [1.06]	Skin Viral [0.88]	ASD [1.11]	Urticaria [0.66]	Falls [0.91]
Cheshire W & Chester	Dermatitis [1.43]	Neonatal [1.13]	Asthma [1.18]	Congenital [1.33]	URI [1.28]	Diarrhea [1.05]	Skin Viral [0.87]	ASD [1.11]	Iron [5.81]	Urticaria [0.64]
Cumbria	Dermatitis [1.44]	Neonatal [1.08]	Asthma [1.12]	Congenital [1.19]	URI [1.28]	Diarrhea [1.07]	Skin Viral [0.85]	Iron [5.68]	ASD [1.1]	Urticaria [0.6]
Halton	Dermatitis [1.44]	Neonatal [1.12]	Asthma [1.12]	Congenital [1.18]	URI [1.28]	Diarrhea [0.98]	Skin Viral [0.85]	Iron [5.57]	ASD [1.08]	Urticaria [0.6]
Knowsley	Dermatitis [1.44]	Neonatal [1.06]	Asthma [1.1]	Congenital [1.29]	URI [1.28]	Diarrhea [0.93]	Skin Viral [0.84]	ASD [1.1]	Iron [3.24]	Urticaria [0.58]
Lancashire	Dermatitis [1.44]	Neonatal [1.07]	Asthma [1.12]	Congenital [1.19]	URI [1.28]	Diarrhea [1.11]	Skin Viral [0.85]	ASD [1.1]	Iron [3.83]	Urticaria [0.6]
Liverpool	Dermatitis [1.43]	Neonatal [1.21]	Congenital [1.35]	Asthma [1.17]	URI [1.28]	Skin Viral [0.87]	Diarrhea [0.9]	ASD [1.1]	Iron [5.5]	Urticaria [0.64]
Manchester	Dermatitis [1.43]	Neonatal [1.25]	Asthma [1.29]	Congenital [1.28]	URI [1.26]	Diarrhea [1.21]	Skin Viral [0.9]	ASD [1.1]	Iron [7.9]	Urticaria [0.71]
Oldham	Dermatitis [1.46]	Neonatal [0.8]	Asthma [1.07]	Congenital [1.16]	URI [1.29]	Diarrhea [0.92]	Skin Viral [0.83]	ASD [1.09]	Iron [2.41]	Urticaria [0.55]
Rochdale	Dermatitis [1.45]	Neonatal [0.83]	Asthma [1.07]	Congenital [1.15]	URI [1.29]	Iron [5.08]	Diarrhea [0.96]	Skin Viral [0.83]	ASD [1.1]	Urticaria [0.56]
Salford	Dermatitis [1.43]	Neonatal [1.24]	Asthma [1.16]	Congenital [1.21]	URI [1.28]	Diarrhea [0.94]	Skin Viral [0.86]	ASD [1.1]	Urticaria [0.62]	Falls [0.99]
Sefton	Dermatitis [1.44]	Neonatal [1.08]	Asthma [1.08]	Congenital [1.28]	URI [1.29]	Diarrhea [0.86]	Skin Viral [0.84]	ASD [1.11]	Iron [3.82]	Urticaria [0.57]
St Helens	Dermatitis [1.45]	Neonatal [1.09]	Asthma [1.07]	Congenital [1.27]	URI [1.29]	Diarrhea [0.89]	Skin Viral [0.84]	ASD [1.1]	Iron [3.01]	Urticaria [0.57]
Stockport	Dermatitis [1.43]	Neonatal [0.95]	Asthma [1.15]	Congenital [1.22]	URI [1.28]	Diarrhea [1.15]	Skin Viral [0.86]	Iron [6.08]	ASD [1.11]	Urticaria [0.62]
Tameside	Dermatitis [1.45]	Neonatal [0.89]	Asthma [1.06]	Congenital [1.15]	URI [1.29]	Diarrhea [0.96]	Skin Viral [0.83]	ASD [1.1]	Iron [2.45]	Urticaria [0.55]
Trafford	Dermatitis [1.43]	Neonatal [1.24]	Asthma [1.24]	Congenital [1.25]	URI [1.27]	Skin Viral [0.89]	Diarrhea [1.03]	ASD [1.1]	Iron [6.61]	Urticaria [0.68]
Warrington	Dermatitis [1.43]	Neonatal [1.3]	Asthma [1.2]	Congenital [1.23]	URI [1.27]	Diarrhea [1.04]	Skin Viral [0.88]	ASD [1.1]	Iron [6.32]	Urticaria [0.66]
Wigan	Dermatitis [1.45]	Neonatal [1.08]	Asthma [1.06]	Congenital [1.16]	URI [1.3]	Iron [4.1]	Diarrhea [0.84]	Skin Viral [0.83]	ASD [1.11]	Urticaria [0.56]
Wirral	Dermatitis [1.44]	Neonatal [1.19]	Asthma [1.07]	Congenital [1.28]	URI [1.29]	Diarrhea [0.94]	Skin Viral [0.83]	ASD [1.1]	Iron [3.05]	Urticaria [0.57]
SE England	Dermatitis [1.54]	Neonatal [1.04]	Asthma [1.26]	Congenital [1.12]	URI [1.28]	Skin Viral [0.87]	Diarrhea [0.91]	ASD [1.19]	Iron [5.11]	Urticaria [0.65]
Bracknell Forest	Dermatitis [1.43]	Neonatal [0.85]	Asthma [1.2]	Congenital [1.13]	URI [1.28]	Skin Viral [0.89]	Iron [8.48]	Diarrhea [0.87]	ASD [1.1]	Urticaria [0.67]
Brighton & Hove	Dermatitis [1.65]	Neonatal [1.15]	Asthma [1.24]	Congenital [1.18]	URI [1.27]	Skin Viral [0.9]	ASD [1.1]	Diarrhea [0.86]	Urticaria [0.7]	Falls [0.86]
Buckinghamshire	Dermatitis [1.43]	Neonatal [1.22]	Asthma [1.18]	Congenital [1.13]	URI [1.28]	Skin Viral [0.88]	Diarrhea [0.98]	Epilepsy [1.85]	ASD [1.11]	Iron [6.94]
E Sussex	Dermatitis [1.64]	Neonatal [1.06]	Asthma [1.03]	Congenital [1.08]	URI [1.29]	Diarrhea [0.88]	Skin Viral [0.84]	ASD [1.18]	Iron [4.08]	Urticaria [0.58]
Hampshire	Dermatitis [1.43]	Neonatal [1.01]	Asthma [1.69]	Congenital [1.11]	URI [1.29]	Skin Viral [0.87]	Diarrhea [0.92]	Iron [6.7]	ASD [1.11]	Urticaria [0.64]
Isle of Wight	Dermatitis [1.42]	Neonatal [0.93]	Asthma [1.58]	Congenital [1.06]	URI [1.29]	Skin Viral [0.84]	Diarrhea [0.82]	ASD [1.1]	Iron [3.24]	Urticaria [0.58]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Kent	Dermatitis [1.63]	Neonatal [0.99]	Asthma [1.1]	Congenital [1.08]	URI [1.29]	ASD [1.55]	Skin Viral [0.85]	Diarrhea [0.85]	Urticaria [0.6]	Iron [3.54]
Medway	Dermatitis [1.44]	Neonatal [1.04]	Asthma [1.06]	Congenital [1.07]	URI [1.29]	Diarrhea [0.89]	Skin Viral [0.84]	ASD [1.1]	Iron [3.12]	Urticaria [0.57]
Milton Keynes	Dermatitis [1.43]	Neonatal [0.92]	Asthma [1.19]	Congenital [1.12]	URI [1.27]	Diarrhea [1.01]	Skin Viral [0.88]	ASD [1.11]	Iron [6.08]	Urticaria [0.66]
Oxfordshire	Dermatitis [1.79]	Neonatal [0.98]	Asthma [1.23]	Congenital [1.15]	URI [1.27]	Skin Viral [0.9]	Diarrhea [0.9]	ASD [1.11]	Urticaria [0.7]	Falls [0.87]
Portsmouth	Dermatitis [1.43]	Neonatal [1.01]	Asthma [1.17]	Congenital [1.1]	URI [1.27]	Skin Viral [0.88]	Diarrhea [0.99]	ASD [1.1]	Urticaria [0.65]	Falls [0.92]
Reading	Dermatitis [1.79]	Neonatal [1.27]	Asthma [1.29]	Congenital [1.17]	URI [1.26]	Skin Viral [0.91]	Diarrhea [1.02]	ASD [1.1]	Iron [8.64]	Urticaria [0.73]
Slough	Dermatitis [1.43]	Neonatal [1.1]	Asthma [1.21]	Congenital [1.12]	URI [1.27]	Diarrhea [1.03]	Skin Viral [0.88]	ASD [1.1]	Urticaria [0.66]	Falls [0.93]
Southampton	Dermatitis [1.43]	Neonatal [1.0]	Asthma [1.17]	Congenital [1.12]	URI [1.28]	Skin Viral [0.87]	Diarrhea [0.94]	ASD [1.11]	Urticaria [0.66]	Falls [0.93]
Surrey	Dermatitis [1.61]	Neonatal [1.16]	Asthma [1.24]	Congenital [1.16]	URI [1.28]	Skin Viral [0.9]	ASD [1.12]	Diarrhea [0.89]	Iron [7.35]	Urticaria [0.7]
West Berkshire	Dermatitis [1.43]	Neonatal [0.97]	Asthma [1.21]	Congenital [1.14]	URI [1.27]	Skin Viral [0.88]	Diarrhea [0.92]	ASD [1.12]	Urticaria [0.68]	Falls [0.91]
W Sussex	Dermatitis [1.48]	Neonatal [1.02]	Asthma [1.29]	Congenital [1.11]	URI [1.29]	Skin Viral [0.86]	Diarrhea [0.87]	ASD [1.11]	Urticaria [0.63]	Falls [0.97]
Windsor & Maidenhead	Dermatitis [1.43]	Neonatal [1.03]	Asthma [1.26]	Congenital [1.17]	URI [1.27]	Skin Viral [0.9]	Diarrhea [1.01]	ASD [1.12]	Urticaria [0.72]	Falls [0.84]
Wokingham	Dermatitis [1.43]	Neonatal [1.05]	Asthma [1.24]	Congenital [1.17]	URI [1.27]	Skin Viral [0.9]	Diarrhea [0.98]	ASD [1.13]	Iron [8.37]	Urticaria [0.7]
SW England	Dermatitis [1.44]	Neonatal [1.07]	Asthma [1.13]	Congenital [1.01]	URI [1.28]	Skin Viral [0.86]	Diarrhea [0.88]	ASD [1.15]	Iron [5.66]	Urticaria [0.62]
Bath & NE Somerset	Dermatitis [1.43]	Neonatal [1.44]	Asthma [1.22]	Congenital [1.04]	URI [1.27]	Skin Viral [0.89]	ASD [1.32]	Diarrhea [0.99]	Iron [6.35]	Urticaria [0.68]
Bournemouth	Dermatitis [1.43]	Neonatal [1.08]	Asthma [1.17]	Congenital [1.03]	URI [1.28]	Skin Viral [0.88]	Diarrhea [0.95]	Iron [7.49]	ASD [1.1]	Urticaria [0.66]
Bristol	Dermatitis [1.43]	Neonatal [1.27]	Asthma [1.26]	Congenital [1.06]	URI [1.27]	Skin Viral [0.9]	ASD [1.31]	Diarrhea [0.88]	Urticaria [0.71]	Falls [0.84]
Cornwall	Dermatitis [1.44]	Neonatal [1.04]	Asthma [1.06]	Congenital [0.99]	URI [1.29]	Diarrhea [0.89]	Iron [5.03]	Skin Viral [0.84]	ASD [1.11]	Urticaria [0.58]
Devon	Dermatitis [1.44]	Neonatal [0.96]	Asthma [1.1]	Congenital [1.0]	URI [1.28]	Iron [7.6]	Skin Viral [0.85]	Diarrhea [0.9]	ASD [1.11]	Urticaria [0.61]
Dorset	Dermatitis [1.44]	Neonatal [1.02]	Asthma [1.09]	Congenital [0.99]	URI [1.29]	Skin Viral [0.85]	Diarrhea [0.86]	ASD [1.1]	Urticaria [0.6]	Falls [1.05]
Gloucestershire	Dermatitis [1.43]	Neonatal [0.99]	Asthma [1.15]	Congenital [1.01]	URI [1.28]	Iron [9.51]	Diarrhea [0.96]	Skin Viral [0.87]	ASD [1.1]	Urticaria [0.64]
N Somerset	Dermatitis [1.44]	Neonatal [1.14]	Asthma [1.1]	Congenital [1.01]	URI [1.28]	Skin Viral [0.85]	ASD [1.32]	Diarrhea [0.74]	Urticaria [0.6]	Iron [3.41]
Plymouth	Dermatitis [1.44]	Neonatal [1.05]	Asthma [1.1]	Congenital [1.0]	URI [1.28]	Diarrhea [0.95]	Skin Viral [0.85]	ASD [1.1]	Urticaria [0.61]	Falls [1.0]
Poole	Dermatitis [1.43]	Neonatal [1.05]	Asthma [1.13]	Congenital [1.01]	URI [1.28]	Skin Viral [0.86]	Diarrhea [0.9]	ASD [1.12]	Iron [4.01]	Urticaria [0.62]
Somerset	Dermatitis [1.44]	Neonatal [1.08]	Asthma [1.07]	Congenital [0.98]	URI [1.3]	Iron [6.08]	Skin Viral [0.84]	Diarrhea [0.84]	ASD [1.1]	Urticaria [0.58]
S Gloucestershire	Dermatitis [1.43]	Neonatal [1.13]	Asthma [1.2]	Congenital [1.03]	URI [1.28]	Skin Viral [0.88]	ASD [1.3]	Diarrhea [0.78]	Urticaria [0.66]	Falls [0.9]
Swindon	Dermatitis [1.44]	Neonatal [0.79]	Asthma [1.15]	Congenital [1.0]	URI [1.28]	Skin Viral [0.86]	Diarrhea [0.87]	ASD [1.11]	Urticaria [0.63]	Falls [0.97]
Torbay	Dermatitis [1.46]	Neonatal [0.85]	Asthma [1.03]	Congenital [0.97]	URI [1.3]	Iron [4.39]	Skin Viral [0.83]	Diarrhea [0.77]	ASD [1.09]	Urticaria [0.55]
Wiltshire	Dermatitis [1.44]	Neonatal [1.2]	Asthma [1.1]	Congenital [0.99]	URI [1.28]	Skin Viral [0.85]	Diarrhea [0.79]	ASD [1.1]	Iron [4.17]	Urticaria [0.6]
W Midlands	Dermatitis [1.44]	Neonatal [1.0]	Asthma [1.11]	Congenital [1.07]	URI [1.28]	Diarrhea [0.94]	Skin Viral [0.85]	ASD [1.02]	Falls [1.07]	Urticaria [0.6]
Birmingham	Dermatitis [1.44]	Neonatal [0.99]	Asthma [1.13]	Congenital [1.09]	URI [1.27]	Diarrhea [0.97]	Skin Viral [0.86]	ASD [0.81]	Falls [1.05]	Urticaria [0.62]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Coventry	Dermatitis [1.43]	Neonatal [0.97]	Asthma [1.16]	Congenital [1.09]	URI [1.27]	Skin Viral [0.86]	Diarrhea [0.87]	ASD [1.11]	Urticaria [0.64]	Falls [0.96]
Dudley	Dermatitis [1.45]	Neonatal [1.07]	Asthma [1.05]	Congenital [1.04]	URI [1.29]	Diarrhea [0.92]	Skin Viral [0.84]	ASD [1.1]	Urticaria [0.56]	Falls [1.18]
Herefordshire	Dermatitis [1.43]	Neonatal [1.03]	Asthma [1.11]	Congenital [1.07]	URI [1.28]	Diarrhea [0.96]	Skin Viral [0.85]	ASD [1.11]	Urticaria [0.6]	Falls [1.03]
Sandwell	Dermatitis [1.45]	Neonatal [1.04]	Asthma [1.06]	Congenital [1.03]	URI [1.29]	Diarrhea [0.92]	Skin Viral [0.83]	ASD [1.1]	Urticaria [0.56]	Falls [1.21]
Shropshire	Dermatitis [1.44]	Neonatal [0.99]	Asthma [1.11]	Congenital [1.06]	URI [1.28]	Diarrhea [0.92]	Skin Viral [0.85]	ASD [1.11]	Urticaria [0.6]	Falls [1.03]
Solihull	Dermatitis [1.43]	Neonatal [0.76]	Asthma [1.17]	Congenital [1.1]	URI [1.28]	Skin Viral [0.87]	Diarrhea [0.89]	ASD [1.11]	Falls [0.98]	Urticaria [0.65]
Staffordshire	Dermatitis [1.44]	Neonatal [0.97]	Asthma [1.1]	Congenital [1.06]	URI [1.29]	Diarrhea [1.02]	Skin Viral [0.85]	ASD [1.04]	Falls [1.09]	Urticaria [0.6]
Stoke-on-Trent	Dermatitis [1.45]	Neonatal [1.14]	Asthma [1.06]	Congenital [1.05]	URI [1.28]	Diarrhea [1.0]	Skin Viral [0.84]	ASD [1.09]	Falls [1.22]	Urticaria [0.57]
Telford & Wrekin	Dermatitis [1.44]	Neonatal [0.99]	Asthma [1.1]	Congenital [1.05]	URI [1.28]	Diarrhea [0.92]	Skin Viral [0.84]	Iron [5.17]	ASD [1.1]	Urticaria [0.59]
Walsall	Dermatitis [1.45]	Neonatal [0.97]	Asthma [1.04]	Congenital [1.03]	URI [1.29]	Diarrhea [0.81]	Skin Viral [0.83]	ASD [1.1]	Iron [2.23]	Urticaria [0.55]
Warwickshire	Dermatitis [1.43]	Neonatal [1.03]	Asthma [1.17]	Congenital [1.09]	URI [1.28]	Skin Viral [0.87]	Diarrhea [0.89]	ASD [1.1]	Urticaria [0.65]	Falls [0.97]
Wolverhampton	Dermatitis [1.45]	Neonatal [0.73]	Asthma [1.07]	Congenital [1.05]	URI [1.28]	Diarrhea [1.0]	Skin Viral [0.84]	ASD [1.09]	Urticaria [0.57]	Falls [1.12]
Worcestershire	Dermatitis [1.43]	Neonatal [1.11]	Asthma [1.12]	Congenital [1.07]	URI [1.28]	Skin Viral [0.85]	Diarrhea [0.84]	ASD [1.11]	Urticaria [0.61]	Falls [1.04]
Yorkshire & Humber	Dermatitis [1.44]	Neonatal [0.94]	Asthma [1.13]	Congenital [1.07]	URI [1.28]	Diarrhea [0.97]	Skin Viral [0.85]	ASD [1.1]	Iron [3.96]	Urticaria [0.6]
Barnsley	Dermatitis [1.46]	Neonatal [0.96]	Asthma [1.06]	Congenital [1.02]	URI [1.3]	Diarrhea [0.95]	Skin Viral [0.83]	ASD [1.11]	Iron [2.57]	Urticaria [0.54]
Bradford	Dermatitis [1.45]	Neonatal [1.0]	Asthma [1.08]	Congenital [1.05]	URI [1.29]	Diarrhea [0.92]	Skin Viral [0.84]	ASD [1.1]	Urticaria [0.57]	Iron [2.4]
Calderdale	Dermatitis [1.44]	Neonatal [0.91]	Asthma [1.12]	Congenital [1.06]	URI [1.28]	Diarrhea [0.99]	Skin Viral [0.85]	ASD [1.08]	Iron [3.7]	Urticaria [0.6]
Doncaster	Dermatitis [1.46]	Neonatal [1.17]	Asthma [1.05]	Congenital [1.04]	URI [1.3]	Diarrhea [0.9]	Skin Viral [0.83]	ASD [1.1]	Urticaria [0.55]	Iron [1.93]
E Riding of Yorkshire	Dermatitis [1.44]	Neonatal [0.92]	Asthma [1.1]	Congenital [1.06]	URI [1.29]	Diarrhea [0.88]	Skin Viral [0.84]	ASD [1.11]	Urticaria [0.59]	Falls [1.07]
Kingston upon Hull	Dermatitis [1.44]	Neonatal [0.86]	Asthma [1.11]	Congenital [1.05]	URI [1.29]	Diarrhea [0.92]	Skin Viral [0.84]	ASD [1.1]	Iron [3.82]	Urticaria [0.58]
Kirklees	Dermatitis [1.45]	Neonatal [0.87]	Asthma [1.1]	Congenital [1.06]	URI [1.28]	Diarrhea [0.98]	Skin Viral [0.84]	Iron [4.88]	ASD [1.09]	Urticaria [0.58]
Leeds	Dermatitis [1.43]	Neonatal [0.89]	Asthma [1.23]	Congenital [1.12]	URI [1.27]	Skin Viral [0.89]	Diarrhea [0.96]	ASD [1.1]	Urticaria [0.68]	Iron [5.38]
NE Lincolnshire	Dermatitis [1.45]	Neonatal [0.89]	Asthma [1.09]	Congenital [1.05]	URI [1.29]	Skin Viral [0.84]	Diarrhea [0.78]	ASD [1.1]	Urticaria [0.57]	Falls [1.12]
N Lincolnshire	Dermatitis [1.44]	Neonatal [0.83]	Asthma [1.09]	Congenital [1.05]	URI [1.29]	Diarrhea [0.87]	Skin Viral [0.84]	ASD [1.1]	Iron [3.46]	Urticaria [0.57]
N Yorkshire	Dermatitis [1.43]	Neonatal [1.06]	Asthma [1.15]	Congenital [1.08]	URI [1.28]	Diarrhea [1.06]	Skin Viral [0.86]	ASD [1.11]	Urticaria [0.62]	Falls [0.99]
Rotherham	Dermatitis [1.45]	Neonatal [0.84]	Asthma [1.07]	Congenital [1.04]	URI [1.29]	Diarrhea [0.88]	Skin Viral [0.83]	ASD [1.11]	Iron [2.6]	Urticaria [0.55]
Sheffield	Dermatitis [1.43]	Neonatal [1.01]	Asthma [1.18]	Congenital [1.1]	URI [1.28]	Diarrhea [1.02]	Skin Viral [0.87]	ASD [1.11]	Iron [6.22]	Urticaria [0.65]
Wakefield	Dermatitis [1.45]	Neonatal [0.74]	Asthma [1.09]	Congenital [1.04]	URI [1.29]	Diarrhea [1.01]	Skin Viral [0.84]	ASD [1.1]	Iron [2.87]	Urticaria [0.57]
York	Dermatitis [1.43]	Neonatal [0.9]	Asthma [1.26]	Congenital [1.13]	URI [1.26]	Diarrhea [1.06]	Skin Viral [0.9]	ASD [1.1]	Urticaria [0.7]	Falls [0.85]
N Ireland	Dermatitis [1.19]	Neonatal [0.88]	Asthma [0.99]	Congenital [1.03]	URI [1.29]	Skin Viral [0.94]	Diarrhea [0.75]	ASD [1.03]	Falls [0.98]	Urticaria [0.56]
Scotland	Dermatitis [1.29]	Neonatal [0.82]	Asthma [1.02]	Congenital [1.2]	URI [1.3]	Skin Viral [0.91]	Diarrhea [0.68]	ASD [1.04]	Iron [2.56]	Urticaria [0.52]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Wales	Dermatitis [1.21]	Neonatal [0.82]	Asthma [1.02]	Congenital [1.02]	URI [1.31]	Skin Viral [1.02]	Diarrhea [0.74]	ASD [0.98]	Falls [1.12]	Vit A [1.03]
Latin America and Caribbean	Neonatal [1.13]	Asthma [1.32]	Dermatitis [0.88]	Diarrhea [1.36]	Vit A [0.85]	Iron [0.98]	Urticaria [0.91]	Congenital [0.75]	Epilepsy [1.28]	Skin Viral [0.82]
Andean Latin America	Neonatal [1.09]	Dermatitis [1.43]	Asthma [1.81]	Iron [1.92]	Diarrhea [1.46]	Vit A [0.79]	Urticaria [0.88]	Congenital [0.68]	URI [1.06]	Skin Viral [0.82]
Bolivia	Iron [2.5]	Neonatal [1.06]	Asthma [1.98]	Dermatitis [1.53]	Diarrhea [1.42]	Vit A [0.72]	Urticaria [0.87]	Congenital [0.7]	Skin Viral [0.85]	URI [0.97]
Ecuador	Neonatal [1.12]	Dermatitis [1.3]	Asthma [1.66]	Diarrhea [1.14]	Urticaria [0.89]	Congenital [0.69]	Vit A [0.52]	Epilepsy [1.24]	Skin Viral [0.82]	URI [1.01]
Peru	Neonatal [1.1]	Dermatitis [1.47]	Asthma [1.8]	Iron [2.1]	Diarrhea [1.57]	Vit A [0.88]	Urticaria [0.89]	Congenital [0.68]	URI [1.12]	Skin Viral [0.82]
Caribbean	Asthma [2.08]	Neonatal [0.94]	Iron [2.5]	Dermatitis [1.11]	Diarrhea [1.41]	Vit A [1.16]	Urticaria [0.89]	Congenital [0.71]	Skin Viral [0.81]	URI [0.91]
Antigua	Asthma [2.4]	Neonatal [0.95]	Dermatitis [1.03]	Iron [4.03]	Diarrhea [0.92]	Vit A [0.95]	Urticaria [0.98]	Congenital [0.66]	Skin Viral [0.81]	URI [0.87]
Bahamas	Asthma [2.6]	Neonatal [0.98]	Dermatitis [1.01]	Diarrhea [1.12]	Urticaria [1.06]	Congenital [0.67]	Skin Viral [0.81]	URI [0.85]	Iron [1.71]	Epilepsy [1.19]
Barbados	Asthma [2.25]	Neonatal [1.04]	Dermatitis [1.0]	Diarrhea [1.11]	Urticaria [1.03]	Congenital [0.66]	Skin Viral [0.81]	URI [0.86]	Iron [1.32]	Epilepsy [1.08]
Belize	Asthma [2.23]	Neonatal [0.96]	Dermatitis [1.19]	Iron [1.18]	Vit A [0.76]	Urticaria [0.87]	Diarrhea [0.57]	Congenital [0.68]	Skin Viral [0.84]	URI [0.98]
Bermuda	Asthma [3.24]	Neonatal [1.02]	Dermatitis [0.98]	Diarrhea [1.46]	Urticaria [1.17]	Congenital [0.67]	Skin Viral [0.83]	Iron [4.08]	URI [0.83]	Epilepsy [1.26]
Cuba	Asthma [2.42]	Neonatal [0.88]	Dermatitis [1.06]	Iron [1.55]	Urticaria [0.94]	Congenital [0.65]	Diarrhea [0.63]	Skin Viral [0.81]	URI [0.9]	Scabies [2.29]
Dominica	Neonatal [1.1]	Asthma [2.19]	Dermatitis [1.07]	Iron [1.78]	Diarrhea [0.81]	Urticaria [0.94]	Congenital [0.69]	Skin Viral [0.81]	Epilepsy [1.19]	URI [0.89]
Dominican Rep	Neonatal [0.99]	Asthma [1.57]	Dermatitis [1.2]	Diarrhea [1.61]	Vit A [0.62]	Urticaria [0.87]	Congenital [0.71]	Skin Viral [0.84]	Iron [0.4]	Epilepsy [0.82]
Grenada	Asthma [2.03]	Neonatal [1.01]	Dermatitis [1.11]	Iron [2.28]	Diarrhea [1.14]	Vit A [0.78]	Urticaria [0.89]	Congenital [0.67]	Skin Viral [0.82]	URI [0.93]
Guyana	Asthma [2.03]	Neonatal [1.02]	Dermatitis [1.2]	Iron [1.11]	Vit A [0.57]	Diarrhea [0.75]	Urticaria [0.87]	Congenital [0.69]	Skin Viral [0.85]	URI [0.95]
Haiti	Iron [1.47]	Asthma [2.16]	Vit A [0.8]	Neonatal [0.98]	Dermatitis [1.25]	Diarrhea [1.21]	Congenital [0.74]	Urticaria [0.89]	Skin Viral [0.87]	URI [1.1]
Jamaica	Asthma [2.31]	Neonatal [1.02]	Dermatitis [1.07]	Iron [2.02]	Vit A [0.98]	Urticaria [0.93]	Congenital [0.66]	Diarrhea [0.63]	Skin Viral [0.81]	Epilepsy [1.17]
Puerto Rico	Asthma [3.96]	Neonatal [1.08]	Dermatitis [0.97]	Diarrhea [1.4]	Urticaria [1.19]	Congenital [0.73]	Skin Viral [0.83]	URI [0.83]	Epilepsy [1.26]	Vit A [1.39]
St Lucia	Asthma [2.2]	Neonatal [1.03]	Dermatitis [1.1]	Diarrhea [1.18]	Urticaria [0.91]	Congenital [0.66]	Iron [0.72]	Skin Viral [0.81]	Vit A [0.49]	URI [0.91]
St Vincent	Asthma [2.1]	Neonatal [0.97]	Dermatitis [1.17]	Vit A [0.93]	Iron [0.76]	Diarrhea [0.7]	Urticaria [0.88]	Congenital [0.67]	Skin Viral [0.83]	URI [0.96]
Suriname	Asthma [2.27]	Neonatal [1.01]	Dermatitis [1.12]	Vit A [0.64]	Urticaria [0.89]	Congenital [0.69]	Iron [0.69]	Diarrhea [0.58]	Skin Viral [0.82]	URI [0.93]
Trinidad Tobago	Asthma [2.49]	Neonatal [1.02]	Dermatitis [1.05]	Urticaria [0.96]	Congenital [0.66]	Diarrhea [0.64]	Skin Viral [0.81]	URI [0.89]	Iron [0.87]	Epilepsy [1.02]
Virgin Isl US	Asthma [2.91]	Neonatal [1.04]	Dermatitis [0.98]	Diarrhea [1.63]	Urticaria [1.17]	Congenital [0.66]	Skin Viral [0.83]	URI [0.83]	Epilepsy [1.32]	Vit A [1.35]
Central Latin America	Neonatal [1.34]	Diarrhea [1.49]	Dermatitis [0.78]	Asthma [0.87]	Vit A [0.67]	Epilepsy [1.59]	Urticaria [0.9]	Congenital [0.71]	Iron [0.54]	Skin Viral [0.82]
Colombia	Neonatal [1.36]	Dermatitis [0.86]	Diarrhea [1.38]	Asthma [0.95]	Epilepsy [1.61]	Urticaria [0.89]	URI [1.16]	Congenital [0.66]	Skin Viral [0.82]	Vit A [0.37]
Costa Rica	Neonatal [1.25]	Asthma [1.38]	Diarrhea [1.69]	Dermatitis [0.81]	Urticaria [0.91]	Epilepsy [1.47]	Congenital [0.64]	Vit A [0.54]	Skin Viral [0.81]	URI [0.92]
El Salvador	Neonatal [1.35]	Diarrhea [1.56]	Asthma [1.2]	Dermatitis [0.82]	Vit A [0.53]	Urticaria [0.87]	Epilepsy [1.32]	Congenital [0.72]	Skin Viral [0.85]	Iron [0.41]
Guatemala	Neonatal [1.32]	Diarrhea [2.09]	Dermatitis [1.01]	Iron [0.66]	Vit A [0.55]	Asthma [0.8]	Urticaria [0.88]	Congenital [0.7]	Skin Viral [0.87]	Epilepsy [0.96]
Honduras	Neonatal [1.45]	Diarrhea [1.68]	Dermatitis [1.01]	Asthma [1.21]	Vit A [0.55]	Epilepsy [1.41]	Iron [0.32]	Urticaria [0.88]	Congenital [0.69]	Skin Viral [0.87]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Mexico	Neonatal [1.33]	Dermatitis [0.65]	Diarrhea [1.08]	Vit A [0.88]	Asthma [0.75]	Epilepsy [1.78]	Urticaria [0.93]	Congenital [0.74]	Iron [0.64]	Skin Viral [0.82]
Aguascalientes	Neonatal [1.35]	Dermatitis [0.64]	Diarrhea [1.14]	Asthma [0.87]	Epilepsy [1.9]	Congenital [0.81]	Urticaria [0.95]	Vit A [0.68]	Skin Viral [0.81]	URI [0.92]
Baja CA	Neonatal [1.31]	Dermatitis [0.64]	Vit A [0.92]	Diarrhea [0.9]	Epilepsy [1.84]	Asthma [0.65]	Urticaria [0.95]	Congenital [0.74]	Skin Viral [0.81]	URI [0.93]
Baja CA Sur	Neonatal [1.4]	Diarrhea [1.27]	Dermatitis [0.64]	Vit A [1.12]	Asthma [0.84]	Epilepsy [1.86]	Urticaria [0.95]	Congenital [0.76]	Skin Viral [0.81]	URI [0.92]
Campeche	Neonatal [1.44]	Vit A [0.95]	Diarrhea [1.14]	Dermatitis [0.67]	Asthma [0.76]	Epilepsy [1.64]	Urticaria [0.92]	Congenital [0.73]	Iron [0.55]	Skin Viral [0.83]
Chiapas	Neonatal [1.35]	Diarrhea [1.24]	Vit A [0.76]	Dermatitis [0.72]	Asthma [0.74]	Epilepsy [1.58]	Urticaria [0.92]	Congenital [0.69]	Iron [0.28]	Skin Viral [0.86]
Chihuahua	Neonatal [1.24]	Diarrhea [1.23]	Asthma [0.87]	Dermatitis [0.56]	Vit A [0.83]	Epilepsy [1.84]	Congenital [0.82]	Urticaria [0.94]	Skin Viral [0.81]	URI [0.94]
Coahuila	Neonatal [1.14]	Diarrhea [1.45]	Dermatitis [0.65]	Asthma [0.87]	Epilepsy [1.82]	Vit A [0.74]	Urticaria [0.94]	Congenital [0.71]	Skin Viral [0.81]	URI [0.93]
Colima	Neonatal [1.43]	Dermatitis [0.64]	Asthma [0.8]	Vit A [0.84]	Diarrhea [0.89]	Epilepsy [1.87]	Urticaria [0.95]	Congenital [0.7]	Skin Viral [0.81]	URI [0.92]
Mexico City	Neonatal [1.44]	Dermatitis [0.77]	Diarrhea [1.17]	Epilepsy [2.3]	Vit A [1.26]	Asthma [0.69]	Congenital [0.8]	Urticaria [1.03]	Skin Viral [0.8]	URI [0.88]
Durango	Neonatal [1.2]	Dermatitis [0.86]	Diarrhea [1.11]	Asthma [0.84]	Epilepsy [1.76]	Vit A [0.6]	Urticaria [0.92]	Congenital [0.74]	Iron [0.66]	Skin Viral [0.82]
Guanajuato	Neonatal [1.2]	Vit A [0.99]	Dermatitis [0.67]	Asthma [0.83]	Diarrhea [0.91]	Epilepsy [1.78]	Urticaria [0.92]	Congenital [0.75]	ASD [1.54]	Skin Viral [0.82]
Guerrero	Neonatal [1.42]	Dermatitis [0.71]	Diarrhea [0.97]	Asthma [0.76]	Vit A [0.54]	Epilepsy [1.59]	Iron [0.41]	Urticaria [0.92]	Congenital [0.7]	Skin Viral [0.9]
Hidalgo	Neonatal [1.61]	Dermatitis [0.7]	Asthma [0.79]	Diarrhea [0.77]	Epilepsy [1.65]	Vit A [0.49]	Urticaria [0.91]	Congenital [0.73]	Skin Viral [0.85]	Iron [0.38]
Jalisco	Neonatal [1.3]	Dermatitis [0.65]	Vit A [0.95]	Epilepsy [2.19]	Diarrhea [0.95]	Asthma [0.67]	Congenital [0.79]	Urticaria [0.94]	Skin Viral [0.81]	URI [0.93]
Mexico	Neonatal [1.56]	Vit A [1.23]	Iron [1.25]	Diarrhea [1.11]	Dermatitis [0.57]	Epilepsy [1.76]	Asthma [0.64]	Urticaria [0.93]	Congenital [0.67]	Skin Viral [0.82]
Michoacan	Neonatal [1.15]	Dermatitis [0.7]	Asthma [0.79]	Vit A [0.59]	Diarrhea [0.78]	Epilepsy [1.61]	Urticaria [0.91]	Congenital [0.72]	Skin Viral [0.85]	Iron [0.36]
Morelos	Neonatal [1.3]	Dermatitis [0.56]	Asthma [0.71]	Vit A [0.76]	Epilepsy [1.8]	Diarrhea [0.8]	Congenital [0.79]	Urticaria [0.93]	Iron [0.61]	Skin Viral [0.82]
Nayarit	Neonatal [1.43]	Dermatitis [0.67]	Diarrhea [1.12]	Asthma [0.79]	Epilepsy [1.68]	Urticaria [0.92]	Congenital [0.76]	Vit A [0.43]	Skin Viral [0.82]	URI [0.96]
Nuevo Leon	Neonatal [1.1]	Diarrhea [1.21]	Dermatitis [0.54]	Epilepsy [1.96]	Asthma [0.66]	Vit A [0.79]	Urticaria [0.97]	Congenital [0.74]	Iron [0.98]	Skin Viral [0.81]
Oaxaca	Neonatal [1.33]	Diarrhea [1.14]	Dermatitis [0.71]	Asthma [0.76]	Vit A [0.51]	Epilepsy [1.71]	Urticaria [0.92]	Congenital [0.78]	Skin Viral [0.86]	Iron [0.29]
Puebla	Neonatal [1.25]	Dermatitis [0.7]	Diarrhea [0.96]	Asthma [0.79]	Vit A [0.59]	Urticaria [0.91]	Congenital [0.74]	Epilepsy [1.17]	Skin Viral [0.85]	Iron [0.35]
Queretaro	Neonatal [1.4]	Dermatitis [0.65]	Vit A [0.93]	Asthma [0.83]	Iron [1.0]	Epilepsy [1.79]	Diarrhea [0.8]	Urticaria [0.93]	Congenital [0.72]	Skin Viral [0.82]
Quintana Roo	Neonatal [1.67]	Diarrhea [1.41]	Dermatitis [0.67]	Vit A [0.88]	Asthma [0.76]	Epilepsy [1.77]	Urticaria [0.92]	Congenital [0.77]	Skin Viral [0.82]	URI [0.95]
San Luis Potosi	Neonatal [1.16]	Vit A [1.06]	Dermatitis [0.67]	Asthma [0.82]	Diarrhea [0.89]	Epilepsy [1.8]	Congenital [0.81]	Urticaria [0.92]	Skin Viral [0.83]	URI [0.96]
Sinaloa	Neonatal [1.22]	Vit A [1.31]	Dermatitis [0.64]	Diarrhea [1.15]	Asthma [0.8]	Epilepsy [1.78]	Iron [0.97]	Urticaria [0.94]	Congenital [0.7]	Skin Viral [0.81]
Sonora	Neonatal [1.19]	Vit A [1.19]	Dermatitis [0.64]	Diarrhea [1.13]	Asthma [0.84]	Epilepsy [1.87]	Congenital [0.8]	Urticaria [0.94]	Iron [0.69]	Skin Viral [0.81]
Tabasco	Neonatal [1.44]	Diarrhea [1.22]	Dermatitis [0.67]	Vit A [0.79]	Iron [0.92]	Asthma [0.69]	Epilepsy [1.71]	Congenital [0.83]	Urticaria [0.92]	Skin Viral [0.83]
Tamaulipas	Neonatal [1.46]	Vit A [1.24]	Diarrhea [1.34]	Asthma [0.79]	Dermatitis [0.54]	Epilepsy [1.77]	Urticaria [0.94]	Congenital [0.75]	Iron [0.74]	Skin Viral [0.81]
Tlaxcala	Neonatal [1.42]	Dermatitis [0.69]	Asthma [0.81]	Diarrhea [0.95]	Epilepsy [1.76]	Congenital [0.81]	Urticaria [0.92]	Vit A [0.45]	Iron [0.48]	Skin Viral [0.83]
Veracruz	Neonatal [1.41]	Dermatitis [0.7]	Iron [0.83]	Diarrhea [1.0]	Asthma [0.75]	Epilepsy [1.68]	Vit A [0.54]	Urticaria [0.91]	Congenital [0.77]	Skin Viral [0.84]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Yucatan	Neonatal [1.24]	Dermatitis [0.63]	Diarrhea [0.99]	Vit A [0.83]	Asthma [0.73]	Epilepsy [1.77]	Congenital [0.78]	Urticaria [0.93]	Skin Viral [0.82]	URI [0.94]
Zacatecas	Neonatal [0.93]	Dermatitis [0.68]	Asthma [0.83]	Diarrhea [0.9]	Vit A [0.67]	Epilepsy [1.77]	Urticaria [0.92]	Congenital [0.69]	Skin Viral [0.83]	URI [0.98]
Nicaragua	Neonatal [1.35]	Diarrhea [1.48]	Dermatitis [1.01]	Asthma [0.92]	Iron [0.51]	Congenital [0.75]	Urticaria [0.88]	Epilepsy [1.17]	Skin Viral [0.87]	URI [0.88]
Panama	Neonatal [1.24]	Diarrhea [2.19]	Dermatitis [1.01]	Asthma [1.33]	Iron [1.53]	Urticaria [0.92]	Vit A [0.7]	Congenital [0.65]	Skin Viral [0.81]	Epilepsy [1.25]
Venezuela	Neonatal [1.34]	Diarrhea [2.4]	Dermatitis [0.9]	Asthma [1.02]	Epilepsy [1.5]	Urticaria [0.9]	Congenital [0.67]	Skin Viral [0.81]	URI [0.92]	ASD [0.78]
Tropical Latin America	Neonatal [0.89]	Asthma [1.62]	Dermatitis [0.77]	Vit A [1.1]	Diarrhea [1.08]	Congenital [0.85]	Urticaria [0.95]	Iron [0.82]	Skin Viral [0.81]	Scabies [2.96]
Brazil	Neonatal [0.89]	Asthma [1.62]	Dermatitis [0.75]	Vit A [1.13]	Diarrhea [1.03]	Congenital [0.85]	Urticaria [0.95]	Iron [0.84]	Skin Viral [0.81]	Scabies [3.06]
Acre	Neonatal [0.93]	Asthma [1.38]	Iron [1.37]	Dermatitis [0.83]	Diarrhea [1.15]	Vit A [0.84]	Congenital [0.99]	Urticaria [0.91]	Skin Viral [0.83]	URI [0.94]
Alagoas	Neonatal [0.79]	Asthma [1.22]	Vit A [0.66]	Diarrhea [1.02]	Dermatitis [0.71]	Iron [0.57]	Congenital [0.87]	Urticaria [0.92]	Skin Viral [0.85]	Scabies [1.87]
Amapa	Neonatal [0.92]	Asthma [1.53]	Dermatitis [0.76]	Vit A [1.04]	Iron [1.29]	Congenital [0.83]	Diarrhea [0.76]	Urticaria [0.95]	Skin Viral [0.81]	Scabies [2.89]
Amazonas	Neonatal [0.79]	Asthma [1.5]	Dermatitis [0.79]	Vit A [0.96]	Diarrhea [0.88]	Iron [0.82]	Congenital [0.84]	Urticaria [0.93]	Skin Viral [0.82]	Scabies [2.51]
Bahia	Neonatal [0.87]	Dermatitis [1.09]	Asthma [1.38]	Vit A [1.09]	Diarrhea [1.21]	Congenital [0.86]	Urticaria [0.91]	Skin Viral [0.84]	Scabies [2.01]	URI [0.95]
Ceara	Neonatal [0.82]	Asthma [1.41]	Dermatitis [0.83]	Vit A [0.92]	Diarrhea [1.02]	Iron [0.68]	Congenital [0.88]	Urticaria [0.91]	Scabies [2.47]	Skin Viral [0.83]
Distrito Federal	Neonatal [1.03]	Asthma [2.02]	Dermatitis [0.68]	Congenital [0.93]	Urticaria [1.18]	Diarrhea [0.94]	Vit A [1.63]	Skin Viral [0.82]	Scabies [7.38]	URI [0.8]
Espirito Santo	Asthma [1.87]	Neonatal [0.87]	Dermatitis [0.75]	Vit A [1.15]	Diarrhea [0.87]	Congenital [0.84]	Iron [1.18]	Urticaria [0.97]	Skin Viral [0.8]	Scabies [3.18]
Goias	Asthma [1.65]	Neonatal [0.8]	Dermatitis [0.77]	Vit A [0.99]	Diarrhea [0.96]	Congenital [0.84]	Urticaria [0.94]	Skin Viral [0.81]	Scabies [2.75]	Iron [0.61]
Maranhao	Vit A [0.95]	Neonatal [0.84]	Asthma [1.23]	Dermatitis [0.86]	Diarrhea [0.85]	Iron [0.32]	Congenital [0.82]	Urticaria [0.92]	Skin Viral [0.86]	Scabies [1.76]
Mato Grosso	Asthma [1.72]	Neonatal [0.84]	Dermatitis [0.76]	Diarrhea [1.02]	Vit A [0.89]	Iron [1.07]	Congenital [0.83]	Urticaria [0.95]	Skin Viral [0.81]	Scabies [2.92]
Mato Grosso do Sul	Neonatal [0.94]	Asthma [1.57]	Dermatitis [0.77]	Vit A [1.3]	Diarrhea [1.08]	Congenital [0.95]	Iron [1.0]	Urticaria [0.94]	Skin Viral [0.81]	Scabies [2.75]
Minas Gerais	Neonatal [0.93]	Asthma [1.72]	Dermatitis [0.66]	Diarrhea [1.14]	Vit A [1.01]	Congenital [0.84]	Urticaria [0.95]	Skin Viral [0.81]	Scabies [2.91]	URI [0.88]
Para	Neonatal [0.82]	Asthma [1.42]	Diarrhea [1.37]	Iron [1.02]	Vit A [0.92]	Dermatitis [0.85]	Congenital [0.84]	Urticaria [0.91]	Scabies [2.1]	Skin Viral [0.84]
Paraiba	Neonatal [0.77]	Asthma [1.31]	Dermatitis [0.85]	Diarrhea [1.12]	Vit A [0.72]	Congenital [0.86]	Iron [0.45]	Urticaria [0.91]	Skin Viral [0.85]	Scabies [1.94]
Parana	Asthma [1.87]	Neonatal [0.91]	Dermatitis [0.67]	Vit A [1.22]	Diarrhea [0.93]	Congenital [0.91]	Urticaria [0.97]	Skin Viral [0.8]	Iron [0.86]	Scabies [3.3]
Pernambuco	Neonatal [0.82]	Asthma [1.47]	Dermatitis [0.81]	Vit A [0.81]	Diarrhea [0.88]	Congenital [0.91]	Urticaria [0.91]	Iron [0.49]	Skin Viral [0.84]	Scabies [2.06]
Piaui	Neonatal [0.89]	Asthma [1.37]	Dermatitis [0.86]	Diarrhea [0.94]	Vit A [0.47]	Congenital [0.88]	Urticaria [0.92]	Skin Viral [0.86]	Scabies [1.85]	URI [0.97]
Rio de Janeiro	Neonatal [1.13]	Asthma [1.71]	Dermatitis [0.73]	Vit A [1.21]	Congenital [0.83]	Urticaria [1.02]	Diarrhea [0.78]	Epilepsy [1.34]	Skin Viral [0.8]	Scabies [4.09]
Rio Grande do Norte	Neonatal [0.75]	Asthma [1.41]	Vit A [1.22]	Dermatitis [0.82]	Diarrhea [1.3]	Congenital [0.84]	Urticaria [0.91]	Skin Viral [0.83]	Iron [0.44]	Scabies [2.13]
Rio Grande do Sul	Asthma [1.99]	Neonatal [0.95]	Dermatitis [0.95]	Congenital [1.4]	Epilepsy [2.23]	Vit A [0.99]	Diarrhea [0.83]	Urticaria [0.99]	Iron [1.21]	Skin Viral [0.8]
Rondonia	Neonatal [0.96]	Asthma [1.44]	Dermatitis [0.81]	Congenital [1.42]	Vit A [0.98]	Diarrhea [0.76]	Urticaria [0.92]	Scabies [2.55]	Skin Viral [0.82]	URI [0.92]
Roraima	Neonatal [0.97]	Asthma [1.47]	Dermatitis [0.78]	Vit A [0.9]	Diarrhea [0.88]	Iron [1.01]	Congenital [0.84]	Urticaria [0.94]	Skin Viral [0.81]	Scabies [2.67]
Santa Catarina	Asthma [2.06]	Neonatal [0.85]	Dermatitis [0.73]	Vit A [1.29]	Congenital [0.89]	Diarrhea [0.83]	Iron [1.39]	Urticaria [1.0]	Skin Viral [0.8]	Scabies [3.8]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Sao Paulo	Neonatal [0.98]	Asthma [1.91]	Dermatitis [0.63]	Urticaria [1.04]	Congenital [0.72]	Diarrhea [0.77]	Skin Viral [0.8]	Scabies [4.36]	URI [0.84]	Vit A [0.67]
Sergipe	Neonatal [0.95]	Asthma [1.49]	Vit A [1.21]	Dermatitis [0.68]	Diarrhea [0.81]	Congenital [0.84]	Iron [0.66]	Urticaria [0.92]	Skin Viral [0.83]	Scabies [2.25]
Tocantins	Neonatal [0.93]	Asthma [1.41]	Vit A [1.26]	Dermatitis [0.82]	Iron [1.04]	Diarrhea [0.92]	Congenital [0.83]	Urticaria [0.91]	Skin Viral [0.83]	Scabies [2.19]
Paraguay	Asthma [1.83]	Diarrhea [2.11]	Neonatal [0.77]	Dermatitis [1.04]	Vit A [0.84]	Iron [0.86]	Congenital [0.89]	Urticaria [0.88]	Skin Viral [0.83]	Scabies [2.31]
North Africa and Middle East	Neonatal [1.01]	Iron [2.44]	Diarrhea [1.89]	Asthma [1.07]	Dermatitis [0.64]	Vit A [0.95]	Congenital [0.84]	Urticaria [0.96]	Epilepsy [1.3]	Skin Viral [0.8]
Afghanistan	Diarrhea [1.52]	Neonatal [1.08]	Vit A [0.4]	Iron [0.36]	Dermatitis [0.94]	Asthma [1.2]	ID [4.19]	Congenital [0.85]	Urticaria [1.03]	Epilepsy [0.9]
Algeria	Neonatal [1.11]	Asthma [1.25]	Diarrhea [1.52]	Dermatitis [0.64]	Iron [1.46]	Congenital [0.82]	Urticaria [1.02]	Epilepsy [1.36]	Vit A [0.66]	Skin Viral [0.79]
Bahrain	Neonatal [1.04]	Dermatitis [0.72]	Asthma [1.17]	Diarrhea [1.59]	Urticaria [1.05]	Congenital [0.75]	Epilepsy [1.4]	Skin Viral [0.79]	URI [0.86]	Blindness [1.36]
Egypt	Neonatal [1.05]	Diarrhea [1.73]	Asthma [1.27]	Iron [1.03]	Dermatitis [0.57]	Urticaria [0.98]	Congenital [0.81]	Epilepsy [1.42]	Skin Viral [0.82]	Vit A [0.37]
Iran	Neonatal [1.32]	Diarrhea [1.27]	Asthma [0.86]	Dermatitis [0.51]	Congenital [0.93]	Iron [1.61]	Urticaria [1.07]	Epilepsy [1.59]	Skin Viral [0.78]	URI [0.89]
Iraq	Neonatal [1.12]	Iron [1.33]	Asthma [1.1]	Vit A [0.8]	Dermatitis [0.65]	Diarrhea [0.94]	Congenital [0.82]	Urticaria [0.94]	Epilepsy [1.22]	Skin Viral [0.83]
Jordan	Neonatal [1.41]	Asthma [1.46]	Diarrhea [1.53]	Dermatitis [0.64]	Vit A [1.17]	Iron [1.75]	Congenital [0.8]	Urticaria [1.02]	Epilepsy [1.28]	Skin Viral [0.79]
Kuwait	Neonatal [1.21]	Asthma [1.53]	Diarrhea [1.94]	Dermatitis [0.61]	Urticaria [1.2]	Congenital [0.83]	Skin Viral [0.8]	Epilepsy [1.55]	URI [0.83]	Vit A [1.28]
Lebanon	Neonatal [1.06]	Asthma [1.64]	Diarrhea [1.83]	Dermatitis [0.73]	Congenital [0.86]	Urticaria [1.08]	Iron [1.59]	Skin Viral [0.79]	Epilepsy [1.29]	URI [0.86]
Libya	Neonatal [1.09]	Diarrhea [2.24]	Dermatitis [0.69]	Asthma [1.24]	Iron [3.77]	Congenital [0.84]	Urticaria [1.14]	Skin Viral [0.8]	Vit A [1.06]	URI [0.84]
Morocco	Neonatal [1.06]	Iron [0.93]	Diarrhea [1.2]	Dermatitis [0.78]	Asthma [0.81]	Vit A [0.62]	Congenital [0.85]	Urticaria [0.94]	Epilepsy [1.14]	Skin Viral [0.83]
Palestine	Neonatal [1.06]	Asthma [1.15]	Diarrhea [1.18]	Dermatitis [0.77]	Vit A [0.53]	Congenital [0.81]	Urticaria [0.94]	Iron [0.32]	Epilepsy [1.04]	Skin Viral [0.85]
Oman	Neonatal [1.11]	Iron [4.92]	Diarrhea [1.99]	Asthma [1.09]	Dermatitis [0.57]	Congenital [0.84]	Urticaria [1.11]	Vit A [1.09]	Skin Viral [0.79]	Epilepsy [1.4]
Qatar	Neonatal [1.02]	Dermatitis [0.69]	Asthma [1.1]	Diarrhea [1.16]	Congenital [0.82]	Urticaria [1.16]	Epilepsy [1.53]	Skin Viral [0.8]	URI [0.84]	Blindness [1.54]
Saudi Arabia	Neonatal [0.78]	Dermatitis [0.69]	Diarrhea [2.01]	Asthma [0.94]	Congenital [0.91]	Urticaria [1.19]	Epilepsy [1.66]	Skin Viral [0.8]	URI [0.83]	Blindness [1.12]
Sudan	Iron [1.29]	Diarrhea [2.34]	Neonatal [0.86]	Vit A [0.66]	Asthma [1.08]	PEM [8.25]	Dermatitis [0.72]	Congenital [0.84]	ID [4.5]	Urticaria [0.94]
Syria	Neonatal [0.99]	PEM [127.54]	Iron [1.37]	Conflict Terror [17710.55]	Asthma [0.99]	Diarrhea [1.04]	Dermatitis [0.54]	Vit A [0.66]	Congenital [0.82]	Urticaria [0.94]
Tunisia	Neonatal [1.04]	Dermatitis [0.72]	Diarrhea [1.36]	Asthma [0.96]	Iron [1.31]	Urticaria [0.99]	Congenital [0.76]	Skin Viral [0.8]	URI [0.89]	Epilepsy [1.06]
Turkey	Neonatal [0.81]	Asthma [1.09]	Dermatitis [0.58]	Diarrhea [1.28]	Vit A [1.09]	Urticaria [1.05]	Congenital [0.78]	Epilepsy [1.52]	URI [1.01]	Skin Viral [0.79]
UAE	Neonatal [1.09]	Asthma [1.7]	Diarrhea [2.16]	Dermatitis [0.68]	Congenital [0.88]	PEM [3624.32]	Urticaria [1.22]	Epilepsy [1.82]	Skin Viral [0.81]	URI [0.82]
Yemen	Iron [3.88]	Vit A [1.27]	Diarrhea [2.39]	Neonatal [1.12]	PEM [5.8]	Dermatitis [0.86]	Oth NTD [2.58]	Asthma [0.87]	Hemog [2.92]	Oth Un Inf [4.13]
South Asia	Iron [1.94]	Neonatal [1.42]	Vit A [1.16]	PEM [30.67]	Dermatitis [0.54]	Congenital [1.0]	ID [5.5]	Diarrhea [0.58]	Urticaria [0.92]	Skin Viral [0.84]
Bangladesh	Neonatal [1.37]	Iron [0.96]	Vit A [0.46]	Dermatitis [0.75]	PEM [6.2]	Congenital [0.95]	Urticaria [0.94]	Diarrhea [0.4]	Skin Viral [0.85]	URI [1.1]
Bhutan	Iron [4.45]	Neonatal [1.33]	Vit A [1.33]	Dermatitis [0.73]	Diarrhea [0.82]	Congenital [0.8]	Urticaria [0.91]	Oth NTD [4.42]	Skin Viral [0.83]	Epilepsy [1.01]
India	Iron [2.09]	Neonatal [1.44]	Vit A [1.34]	PEM [44.45]	ID [7.17]	Congenital [1.07]	Dermatitis [0.47]	Urticaria [0.92]	Diarrhea [0.49]	Skin Viral [0.84]
Andhra Pradesh	Iron [2.01]	Neonatal [1.54]	PEM [41.43]	Vit A [1.31]	Congenital [1.02]	ID [5.93]	Dermatitis [0.48]	Urticaria [0.92]	Skin Viral [0.84]	Hemog [2.38]

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Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Arunachal Pradesh	Neonatal [1.48]	Iron [1.77]	PEM [56.38]	Vit A [1.21]	Congenital [1.04]	ID [5.83]	Dermatitis [0.48]	Urticaria [0.92]	Skin Viral [0.84]	Diarrhea [0.42]
Assam	Neonatal [1.39]	PEM [26.06]	Vit A [0.74]	ID [7.6]	Iron [0.51]	Congenital [1.11]	Dermatitis [0.49]	Urticaria [0.93]	Skin Fung [2.42]	Diarrhea [0.45]
Bihar	Iron [1.21]	Neonatal [1.51]	Vit A [0.94]	PEM [7.21]	ID [7.79]	Congenital [1.05]	Dermatitis [0.5]	Diarrhea [0.45]	Urticaria [0.94]	Skin Viral [0.86]
Chhattisgarh	Neonatal [1.47]	PEM [25.8]	Vit A [0.91]	Iron [0.81]	ID [6.55]	Congenital [1.05]	Dermatitis [0.49]	Urticaria [0.92]	Skin Viral [0.84]	Skin Fung [1.94]
Delhi	Iron [13.69]	Neonatal [1.48]	Vit A [3.77]	PEM [1231.65]	Congenital [0.9]	Dermatitis [0.37]	Urticaria [1.02]	Diarrhea [0.72]	Hemog [8.76]	Oth NTD [2813.93]
Goa	Neonatal [1.8]	Iron [7.18]	PEM [2650.78]	Vit A [2.4]	Congenital [0.96]	Dermatitis [0.4]	Urticaria [1.08]	Diarrhea [0.73]	Skin Viral [0.79]	URI [0.8]
Gujarat	Iron [3.13]	Neonatal [1.48]	PEM [121.78]	Vit A [1.59]	Congenital [1.03]	Dermatitis [0.47]	ID [5.79]	Urticaria [0.91]	Diarrhea [0.49]	Skin Viral [0.83]
Haryana	Iron [5.03]	Neonatal [1.47]	Vit A [2.03]	PEM [73.48]	Congenital [1.0]	Dermatitis [0.46]	Urticaria [0.9]	ID [5.12]	Hemog [4.18]	Oth NTD [7.64]
Himachal Pradesh	Iron [4.54]	Neonatal [1.61]	Vit A [2.12]	PEM [95.49]	Congenital [0.97]	Dermatitis [0.44]	ID [5.95]	Urticaria [0.93]	Diarrhea [0.54]	Skin Viral [0.8]
Jammu & Kashmir	Iron [2.98]	Neonatal [1.44]	Vit A [1.7]	ID [7.1]	Congenital [1.05]	Dermatitis [0.47]	Urticaria [0.91]	PEM [23.52]	Skin Viral [0.82]	Hemog [3.11]
Jharkhand	Iron [1.71]	Neonatal [1.51]	PEM [24.97]	Vit A [1.12]	ID [6.54]	Congenital [1.05]	Dermatitis [0.49]	Urticaria [0.92]	Diarrhea [0.44]	Skin Viral [0.84]
Karnataka	Neonatal [1.67]	Iron [2.26]	PEM [84.13]	Vit A [1.38]	Congenital [1.0]	ID [5.97]	Dermatitis [0.47]	Urticaria [0.91]	Diarrhea [0.48]	Epilepsy [1.06]
Kerala	Neonatal [1.95]	PEM [425.56]	Iron [2.36]	Vit A [1.39]	Congenital [0.97]	Dermatitis [0.43]	Urticaria [0.96]	ID [5.71]	Skin Viral [0.79]	Diarrhea [0.54]
Madhya Pradesh	Iron [1.82]	Neonatal [1.37]	PEM [22.21]	Vit A [1.21]	ID [7.18]	Congenital [1.05]	Dermatitis [0.49]	Urticaria [0.92]	Hemog [2.24]	Diarrhea [0.42]
Maharashtra	Neonatal [1.57]	Iron [3.26]	PEM [246.67]	Vit A [1.57]	Congenital [1.0]	ID [5.94]	Urticaria [0.92]	Dermatitis [0.38]	Diarrhea [0.65]	Skin Viral [0.81]
Manipur	Neonatal [1.61]	ID [7.8]	Vit A [0.68]	Congenital [1.06]	Dermatitis [0.47]	Urticaria [0.92]	Iron [0.51]	Diarrhea [0.61]	Skin Viral [0.83]	PEM [20.84]
Meghalaya	Neonatal [1.56]	Iron [1.25]	Vit A [1.07]	PEM [35.27]	ID [7.04]	Congenital [1.06]	Dermatitis [0.48]	Urticaria [0.92]	Diarrhea [0.49]	Skin Viral [0.84]
Mizoram	Neonatal [1.61]	PEM [118.47]	Vit A [0.84]	Congenital [1.03]	ID [6.99]	Dermatitis [0.46]	Urticaria [0.93]	Diarrhea [0.65]	Skin Viral [0.81]	URI [0.91]
Nagaland	Neonatal [1.7]	Vit A [1.23]	PEM [151.12]	Congenital [1.01]	Dermatitis [0.44]	ID [6.13]	Urticaria [0.94]	Iron [0.74]	Iodine [76.98]	Skin Viral [0.8]
Odisha	Neonatal [1.38]	PEM [33.93]	Vit A [0.93]	Iron [0.92]	ID [7.15]	Congenital [1.07]	Dermatitis [0.49]	Urticaria [0.92]	Diarrhea [0.53]	Skin Fung [2.11]
Punjab	Iron [3.6]	Neonatal [1.51]	Vit A [1.78]	PEM [85.86]	Congenital [1.01]	Dermatitis [0.44]	ID [5.82]	Urticaria [0.92]	Skin Viral [0.81]	Diarrhea [0.47]
Rajasthan	Iron [1.62]	Neonatal [1.34]	PEM [23.8]	Vit A [1.13]	ID [6.75]	Congenital [1.04]	Dermatitis [0.49]	Urticaria [0.92]	Diarrhea [0.41]	Skin Viral [0.84]
Sikkim	Neonatal [1.63]	Iron [2.75]	Vit A [1.57]	Congenital [0.98]	Dermatitis [0.45]	Urticaria [0.93]	ID [5.19]	Diarrhea [0.6]	Skin Viral [0.8]	URI [0.88]
Tamil Nadu	Neonatal [1.51]	PEM [207.66]	Iron [2.4]	Vit A [1.55]	Dermatitis [0.45]	ID [6.13]	Congenital [0.83]	Urticaria [0.92]	Skin Viral [0.81]	Diarrhea [0.45]
Telangana	Iron [2.96]	Neonatal [1.55]	PEM [103.93]	Vit A [1.61]	Congenital [1.02]	ID [5.96]	Dermatitis [0.47]	Urticaria [0.91]	Skin Viral [0.83]	Hemog [2.99]
Tripura	Neonatal [1.51]	PEM [41.7]	Iron [1.03]	Vit A [0.97]	ID [7.04]	Congenital [1.04]	Dermatitis [0.48]	Urticaria [0.92]	Diarrhea [0.49]	Skin Viral [0.84]
Uttar Pradesh	Iron [1.88]	Neonatal [1.32]	Vit A [1.2]	PEM [11.87]	ID [7.29]	Congenital [1.14]	Dermatitis [0.47]	Urticaria [0.92]	Diarrhea [0.47]	Hemog [2.3]
Uttarakhand	Iron [4.04]	Neonatal [1.6]	Vit A [1.82]	PEM [63.93]	Congenital [1.02]	Dermatitis [0.46]	ID [5.65]	Urticaria [0.89]	Diarrhea [0.57]	Skin Viral [0.81]
W Bengal	Neonatal [1.4]	Iron [1.43]	Vit A [1.14]	PEM [27.01]	ID [7.67]	Congenital [1.06]	Dermatitis [0.48]	Urticaria [0.92]	Skin Viral [0.92]	URI [0.95]
UTs other than Delhi	Iron [5.65]	Neonatal [1.72]	Vit A [2.3]	PEM [293.26]	Congenital [0.97]	Dermatitis [0.43]	Urticaria [0.94]	ID [5.19]	Skin Viral [0.79]	Diarrhea [0.49]
Nepal	Neonatal [1.62]	Iron [0.67]	Vit A [0.48]	Dermatitis [0.76]	Congenital [0.8]	Diarrhea [0.48]	Urticaria [0.97]	Epilepsy [1.03]	Skin Viral [0.85]	PEM [1.71]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Pakistan	Iron [1.95]	Neonatal [1.38]	Vit A [0.86]	Diarrhea [1.06]	PEM [9.85]	Dermatitis [0.77]	Urticaria [0.92]	Congenital [0.7]	Epilepsy [1.0]	Hemog [2.11]
Southeast Asia, East Asia, and Oceania	Neonatal [1.08]	Dermatitis [0.67]	Asthma [0.98]	Diarrhea [1.24]	Congenital [0.87]	Skin Viral [0.98]	Vit A [0.74]	Urticaria [0.89]	URI [0.88]	Scabies [3.27]
East Asia	Neonatal [1.35]	Dermatitis [0.55]	Diarrhea [1.09]	Asthma [0.78]	Skin Viral [1.02]	Congenital [0.71]	Urticaria [0.91]	Vit A [0.64]	URI [0.8]	Hernia [2.34]
China	Neonatal [1.36]	Dermatitis [0.55]	Asthma [0.75]	Diarrhea [1.04]	Skin Viral [1.02]	Congenital [0.71]	Urticaria [0.9]	Vit A [0.61]	URI [0.81]	Hernia [2.36]
N Korea	Diarrhea [2.02]	Neonatal [0.67]	Vit A [0.64]	Dermatitis [0.72]	Iron [0.56]	Asthma [0.77]	Congenital [0.75]	Skin Viral [1.05]	Urticaria [0.79]	Scabies [1.59]
Taiwan	Asthma [2.63]	Diarrhea [2.74]	Dermatitis [0.62]	Neonatal [0.63]	Congenital [0.86]	Skin Viral [1.04]	Urticaria [1.24]	URI [0.73]	Scabies [11.75]	Epilepsy [1.05]
Oceania	Iron [1.23]	Asthma [2.16]	Diarrhea [1.41]	Dermatitis [1.08]	Neonatal [0.72]	Vit A [0.52]	PEM [7.25]	Congenital [0.92]	Skin Viral [1.01]	Urticaria [0.83]
Am Samoa	Asthma [2.57]	Diarrhea [2.25]	Dermatitis [0.91]	Neonatal [0.68]	Vit A [1.63]	Congenital [0.8]	Skin Viral [0.94]	Urticaria [0.9]	URI [0.8]	Scabies [2.72]
Micronesia	Asthma [2.02]	Diarrhea [1.63]	Dermatitis [1.05]	Vit A [1.04]	Neonatal [0.67]	Iron [0.56]	Congenital [0.91]	Skin Viral [0.99]	Urticaria [0.82]	Scabies [1.92]
Fiji	Asthma [2.04]	Iron [2.37]	Diarrhea [1.99]	Dermatitis [0.97]	Neonatal [0.66]	Vit A [1.0]	Congenital [0.82]	Skin Viral [0.95]	Urticaria [0.84]	Scabies [2.77]
Guam	Diarrhea [5.05]	Asthma [2.73]	Dermatitis [0.85]	Neonatal [0.78]	Vit A [2.28]	Congenital [0.79]	Skin Viral [0.96]	Urticaria [1.07]	Scabies [7.23]	URI [0.76]
Kiribati	Asthma [2.09]	Vit A [0.67]	Diarrhea [1.28]	Dermatitis [1.11]	Neonatal [0.72]	PEM [3.26]	Iron [0.28]	Congenital [0.91]	Skin Viral [1.02]	Urticaria [0.84]
Marshall	Iron [1.54]	Asthma [1.87]	Vit A [1.21]	Dermatitis [1.07]	Neonatal [0.68]	Diarrhea [1.36]	Congenital [0.91]	Skin Viral [1.0]	Urticaria [0.82]	Scabies [1.85]
N Mariana	Asthma [2.76]	Diarrhea [3.53]	Neonatal [0.82]	Dermatitis [0.87]	Congenital [0.81]	Skin Viral [0.95]	Urticaria [1.0]	Scabies [5.53]	URI [0.78]	Vit A [0.84]
PNG	Iron [1.12]	Asthma [2.25]	Diarrhea [1.27]	Dermatitis [1.1]	Neonatal [0.76]	PEM [4.85]	Vit A [0.41]	Congenital [0.91]	Skin Viral [1.02]	Urticaria [0.84]
Samoa	Asthma [1.94]	Diarrhea [1.8]	Vit A [1.11]	Dermatitis [1.05]	Neonatal [0.68]	Iron [0.92]	Congenital [0.87]	Skin Viral [0.99]	Urticaria [0.82]	Scabies [1.91]
Solomon	Iron [0.87]	Asthma [1.99]	Vit A [0.65]	Diarrhea [1.19]	Dermatitis [1.1]	Neonatal [0.76]	Congenital [0.9]	Skin Viral [1.02]	Urticaria [0.84]	Scabies [1.98]
Tonga	Asthma [2.66]	Diarrhea [1.77]	Dermatitis [0.99]	Neonatal [0.67]	Vit A [1.06]	Congenital [0.86]	Skin Viral [0.96]	Urticaria [0.83]	Scabies [2.44]	URI [0.87]
Vanuatu	Asthma [2.17]	Iron [0.86]	Dermatitis [1.08]	Diarrhea [1.22]	Vit A [0.67]	Neonatal [0.72]	Congenital [0.88]	Skin Viral [1.01]	Urticaria [0.83]	Scabies [1.72]
Southeast Asia	Neonatal [0.73]	Asthma [1.21]	Dermatitis [0.84]	Diarrhea [1.36]	Congenital [1.09]	PEM [110.33]	Vit A [0.76]	Iron [0.79]	Urticaria [0.87]	Skin Viral [0.94]
Cambodia	Iron [1.26]	Neonatal [0.74]	Dermatitis [1.05]	Vit A [0.61]	Diarrhea [1.03]	Asthma [1.03]	Congenital [1.12]	Urticaria [0.85]	Skin Viral [1.0]	Epilepsy [1.04]
Indonesia	Neonatal [0.74]	Diarrhea [1.76]	PEM [255.61]	Asthma [1.14]	Dermatitis [0.64]	Congenital [0.99]	Vit A [0.66]	Urticaria [0.91]	Skin Viral [0.93]	URI [1.14]
Laos	Dermatitis [1.04]	Asthma [1.15]	Neonatal [0.61]	Vit A [0.62]	Diarrhea [1.02]	Congenital [1.17]	Iron [0.38]	Urticaria [0.85]	Skin Viral [1.0]	Scabies [1.86]
Malaysia	Neonatal [0.84]	Dermatitis [0.93]	Diarrhea [2.32]	Asthma [1.16]	PEM [2010.56]	Congenital [1.06]	Urticaria [1.02]	Skin Viral [0.94]	Scabies [5.62]	Epilepsy [1.26]
Maldives	Dermatitis [0.93]	Neonatal [0.66]	Asthma [1.12]	Congenital [1.03]	Vit A [0.81]	Diarrhea [0.81]	PEM [117.25]	Urticaria [0.87]	Skin Viral [0.94]	Scabies [3.21]
Mauritius	Neonatal [0.83]	Dermatitis [0.87]	Iron [4.14]	Asthma [1.45]	Diarrhea [1.77]	PEM [917.63]	Congenital [1.02]	Urticaria [0.95]	Skin Viral [0.93]	Vit A [0.86]
Myanmar	Neonatal [0.75]	Dermatitis [1.04]	Vit A [0.82]	Congenital [1.59]	Diarrhea [1.13]	Asthma [1.02]	Iron [0.54]	Urticaria [0.84]	Skin Viral [0.99]	Scabies [2.05]
Philippines	Asthma [1.69]	Neonatal [0.79]	Dermatitis [1.06]	Vit A [0.8]	Congenital [1.14]	Diarrhea [0.96]	Iron [0.81]	URI [1.29]	Urticaria [0.84]	Skin Viral [0.96]
Sri Lanka	Neonatal [0.74]	Dermatitis [0.9]	Asthma [1.14]	Congenital [1.21]	Diarrhea [1.04]	PEM [247.2]	Vit A [0.87]	Skin Viral [0.96]	Epilepsy [1.48]	Urticaria [0.89]
Seychelles	Neonatal [0.8]	Dermatitis [0.9]	Asthma [1.17]	Diarrhea [1.28]	Congenital [1.02]	Urticaria [0.91]	Skin Viral [0.93]	Epilepsy [1.2]	Scabies [3.49]	URI [0.81]
Thailand	Dermatitis [0.98]	Neonatal [0.68]	Asthma [1.19]	Congenital [1.09]	Diarrhea [0.87]	Urticaria [0.9]	Skin Viral [0.94]	Vit A [0.69]	Scabies [3.92]	PEM [179.61]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Timor-Leste	Iron [1.92]	Vit A [0.94]	PEM [17.77]	Dermatitis [1.04]	Neonatal [0.66]	Diarrhea [1.13]	Asthma [1.04]	Congenital [1.13]	Urticaria [0.84]	Skin Viral [0.99]
Vietnam	Dermatitis [0.88]	Neonatal [0.6]	Asthma [0.87]	Diarrhea [1.03]	Iron [0.82]	Congenital [1.01]	Vit A [0.58]	Urticaria [0.84]	Skin Viral [0.97]	Scabies [2.09]
Sub-Saharan Africa	Iron [1.27]	Vit A [0.99]	Neonatal [1.11]	Diarrhea [1.06]	Dermatitis [0.94]	Congenital [1.16]	Asthma [0.71]	Malaria [13.68]	PEM [3.5]	Epilepsy [1.16]
Central Sub-Saharan Africa	Iron [1.04]	Vit A [1.09]	Neonatal [1.24]	Diarrhea [1.45]	Dermatitis [1.13]	Asthma [0.99]	Malaria [24.01]	Congenital [1.08]	Epilepsy [1.55]	Urticaria [0.86]
Angola	Iron [2.04]	Vit A [1.15]	Neonatal [1.34]	Diarrhea [1.41]	Dermatitis [1.12]	Asthma [1.17]	Congenital [1.12]	Epilepsy [1.73]	Malaria [16.56]	Hemog [2.3]
C African Rep	Iron [1.33]	Vit A [1.24]	Diarrhea [1.28]	Neonatal [1.2]	Malaria [4.99]	Dermatitis [1.19]	Asthma [1.17]	Congenital [1.06]	Epilepsy [1.51]	Hemog [1.75]
Congo	Neonatal [1.44]	Vit A [1.68]	Diarrhea [1.99]	Iron [1.39]	Dermatitis [1.09]	Asthma [1.25]	Epilepsy [1.98]	Congenital [1.01]	Malaria [185.54]	PEM [22.0]
Congo DR	Vit A [0.77]	Neonatal [1.32]	Diarrhea [1.22]	Iron [0.48]	Dermatitis [1.18]	Malaria [5.13]	Asthma [0.97]	Congenital [1.04]	Epilepsy [1.36]	Urticaria [0.9]
Eq Guinea	Neonatal [1.05]	Iron [2.44]	Vit A [1.86]	Dermatitis [1.02]	Diarrhea [1.75]	Malaria [841.23]	Asthma [1.15]	Epilepsy [2.17]	Congenital [0.94]	URI [1.22]
Gabon	Neonatal [1.51]	Iron [4.2]	Diarrhea [2.24]	Vit A [2.0]	Dermatitis [0.99]	Asthma [1.23]	Epilepsy [2.31]	Malaria [1189.82]	Congenital [0.92]	URI [1.26]
Eastern Sub-Saharan Africa	Iron [0.81]	Neonatal [1.38]	Vit A [0.76]	Dermatitis [1.01]	Diarrhea [0.89]	Congenital [1.18]	Asthma [0.89]	Epilepsy [1.06]	Urticaria [0.9]	Skin Viral [0.99]
Burundi	Vit A [0.62]	Neonatal [1.24]	Iron [0.45]	Dermatitis [1.09]	Diarrhea [0.77]	Congenital [1.13]	Asthma [0.91]	Malaria [1.58]	Epilepsy [1.12]	Urticaria [0.93]
Comoros	Neonatal [1.53]	Vit A [0.72]	Iron [0.59]	Dermatitis [1.02]	Diarrhea [1.04]	Asthma [0.96]	Congenital [1.04]	PEM [3.59]	Urticaria [0.87]	Epilepsy [1.08]
Djibouti	Neonatal [1.42]	PEM [24.12]	Iron [1.28]	Dermatitis [0.99]	Vit A [0.53]	Asthma [0.8]	Diarrhea [0.71]	Congenital [1.04]	Epilepsy [1.19]	Urticaria [0.85]
Eritrea	Iron [1.15]	Neonatal [1.55]	Vit A [0.84]	Dermatitis [1.02]	Diarrhea [0.9]	Congenital [1.07]	Asthma [0.8]	PEM [2.84]	Epilepsy [1.09]	Urticaria [0.87]
Ethiopia	Iron [0.9]	Vit A [0.8]	Neonatal [1.45]	Dermatitis [1.05]	Diarrhea [0.73]	Congenital [1.08]	Asthma [0.78]	PEM [1.03]	Urticaria [0.95]	Skin Viral [1.12]
Kenya	Neonatal [1.55]	Vit A [0.97]	Dermatitis [1.05]	Diarrhea [1.1]	Congenital [1.52]	Iron [0.52]	Asthma [0.61]	Urticaria [0.89]	Skin Viral [0.92]	Epilepsy [0.99]
Baringo	Neonatal [1.56]	Vit A [1.07]	Dermatitis [1.04]	Diarrhea [1.08]	Iron [0.46]	Congenital [1.49]	Asthma [0.61]	Urticaria [0.9]	Skin Viral [0.93]	URI [1.08]
Bomet	Neonatal [1.7]	Vit A [0.79]	Dermatitis [1.03]	Congenital [1.47]	Diarrhea [0.84]	Iron [0.45]	Asthma [0.63]	Urticaria [0.89]	Skin Viral [0.93]	URI [1.07]
Bungoma	Neonatal [1.58]	Vit A [1.01]	Iron [0.72]	Dermatitis [1.03]	Diarrhea [1.06]	Congenital [1.49]	PEM [4.61]	Asthma [0.61]	Urticaria [0.89]	Skin Viral [0.93]
Busia	Neonatal [1.59]	Vit A [0.57]	Dermatitis [1.05]	Diarrhea [1.02]	Congenital [1.5]	Malaria [12.08]	Asthma [0.6]	Iron [0.24]	Urticaria [0.91]	Skin Viral [0.94]
Elgeyo-Marakwet	Neonatal [1.67]	Dermatitis [1.03]	Vit A [0.63]	Congenital [1.5]	Diarrhea [0.98]	Asthma [0.62]	Iron [0.33]	Urticaria [0.89]	Skin Viral [0.93]	Epilepsy [0.97]
Embu	Neonatal [1.66]	Dermatitis [1.02]	Vit A [0.8]	Diarrhea [1.22]	Iron [0.71]	Congenital [1.5]	Asthma [0.61]	Urticaria [0.89]	Skin Viral [0.92]	Epilepsy [1.05]
Garissa	Neonatal [1.85]	Vit A [0.57]	Dermatitis [1.11]	Congenital [1.49]	Iron [0.33]	Diarrhea [0.57]	Asthma [0.68]	Urticaria [0.96]	Skin Viral [0.98]	Epilepsy [0.84]
HomaBay	Neonatal [1.2]	Vit A [0.78]	Iron [0.6]	Diarrhea [1.2]	Dermatitis [1.05]	Congenital [1.54]	HIV [53.56]	Asthma [0.65]	PEM [2.5]	Urticaria [0.91]
Isiolo	Iron [1.08]	Vit A [0.92]	Neonatal [1.49]	Dermatitis [1.07]	Diarrhea [0.93]	PEM [3.42]	Congenital [1.49]	Asthma [0.62]	Urticaria [0.92]	Skin Viral [0.95]
Kajiado	Neonatal [1.73]	Iron [2.07]	Vit A [1.93]	Dermatitis [1.02]	Congenital [1.5]	Diarrhea [0.93]	Asthma [0.61]	Hemog [3.18]	Urticaria [0.88]	Skin Viral [0.92]
Kakamega	Neonatal [1.46]	Vit A [0.86]	Iron [0.79]	Diarrhea [1.19]	Dermatitis [1.04]	Congenital [1.5]	Asthma [0.63]	Urticaria [0.9]	Skin Viral [0.93]	Epilepsy [0.91]
Kericho	Neonatal [1.79]	Dermatitis [1.03]	Diarrhea [1.22]	Vit A [0.59]	Congenital [1.49]	Asthma [0.63]	Urticaria [0.89]	Skin Viral [0.93]	URI [1.07]	Epilepsy [0.93]
Kiambu	Neonatal [1.72]	Dermatitis [1.0]	Congenital [1.52]	Diarrhea [1.18]	Asthma [0.62]	Vit A [0.5]	Urticaria [0.88]	Skin Viral [0.91]	Epilepsy [1.15]	URI [1.06]
Kilifi	Neonatal [1.52]	Vit A [0.92]	Dermatitis [1.04]	Diarrhea [1.05]	Congenital [1.49]	Iron [0.31]	Asthma [0.57]	Urticaria [0.9]	Skin Viral [0.93]	URI [1.08]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Kirinyaga	Neonatal [1.7]	Diarrhea [1.46]	Dermatitis [1.02]	Vit A [0.75]	Congenital [1.52]	Asthma [0.63]	Urticaria [0.89]	Skin Viral [0.92]	Epilepsy [1.05]	URI [1.07]
Kisii	Neonatal [1.45]	Vit A [0.95]	Dermatitis [1.03]	Diarrhea [1.12]	Congenital [1.53]	Asthma [0.61]	Urticaria [0.89]	Skin Viral [0.92]	Epilepsy [0.98]	URI [1.08]
Kisumu	Neonatal [1.2]	Vit A [1.17]	Iron [0.87]	Dermatitis [0.89]	Congenital [1.55]	Diarrhea [1.04]	Asthma [0.62]	Urticaria [0.88]	Epilepsy [1.11]	Hemog [2.42]
Kitui	Neonatal [1.73]	Vit A [0.78]	Iron [0.62]	Dermatitis [1.04]	Diarrhea [1.07]	Congenital [1.47]	Asthma [0.6]	Urticaria [0.9]	Skin Viral [0.93]	URI [1.08]
Kwale	Neonatal [1.59]	Vit A [0.77]	Dermatitis [1.04]	Iron [0.5]	Congenital [1.48]	Diarrhea [0.87]	Asthma [0.6]	Urticaria [0.9]	Skin Viral [0.93]	Epilepsy [0.94]
Laikipia	Neonatal [1.76]	Dermatitis [1.02]	Diarrhea [1.18]	Congenital [1.5]	Asthma [0.66]	Vit A [0.44]	Urticaria [0.89]	Skin Viral [0.92]	Epilepsy [1.04]	URI [1.08]
Lamu	Neonatal [1.46]	Iron [0.75]	Vit A [0.61]	Dermatitis [1.04]	Diarrhea [1.08]	Congenital [1.49]	Asthma [0.62]	Urticaria [0.9]	Epilepsy [1.02]	Skin Viral [0.93]
Machakos	Neonatal [1.67]	Dermatitis [1.02]	Diarrhea [1.31]	Vit A [0.79]	Congenital [1.49]	Iron [0.53]	Asthma [0.6]	Urticaria [0.89]	Skin Viral [0.92]	Epilepsy [1.01]
Makueni	Neonatal [1.65]	Dermatitis [1.04]	Congenital [1.49]	Vit A [0.44]	Diarrhea [0.74]	Asthma [0.62]	Urticaria [0.9]	Skin Viral [0.93]	HIV [48.42]	Epilepsy [0.93]
Mandera	Vit A [0.91]	Neonatal [1.68]	Iron [0.48]	Dermatitis [1.12]	Diarrhea [0.69]	Congenital [1.47]	PEM [1.06]	Asthma [0.64]	Urticaria [0.97]	Skin Viral [0.99]
Marsabit	Neonatal [1.89]	PEM [4.22]	Vit A [0.58]	Dermatitis [1.11]	Diarrhea [0.78]	Congenital [1.48]	Iron [0.19]	Asthma [0.62]	Urticaria [0.95]	Skin Viral [0.98]
Meru	Neonatal [1.7]	Vit A [1.17]	Diarrhea [1.43]	Dermatitis [1.02]	Congenital [1.5]	Asthma [0.63]	Iron [0.34]	Urticaria [0.89]	Skin Viral [0.92]	Epilepsy [0.99]
Migori	Vit A [0.84]	Neonatal [1.14]	Diarrhea [1.12]	Dermatitis [1.05]	Congenital [1.53]	Iron [0.28]	Asthma [0.66]	Urticaria [0.91]	HIV [41.45]	PEM [2.02]
Mombasa	Neonatal [1.5]	Vit A [1.23]	Dermatitis [1.01]	Diarrhea [1.34]	Congenital [1.52]	Iron [0.53]	Asthma [0.59]	Urticaria [0.88]	Epilepsy [1.16]	Skin Viral [0.91]
Murang'a	Neonatal [1.71]	Dermatitis [1.03]	Congenital [1.51]	Diarrhea [1.06]	Vit A [0.56]	Asthma [0.62]	Urticaria [0.89]	Skin Viral [0.92]	URI [1.16]	Epilepsy [1.01]
Nairobi	Neonatal [1.66]	Dermatitis [1.15]	Congenital [1.43]	Vit A [1.17]	Diarrhea [1.13]	Asthma [0.67]	Urticaria [0.93]	Epilepsy [1.42]	Skin Viral [0.86]	URI [0.96]
Nakuru	Neonatal [1.83]	Dermatitis [1.02]	Diarrhea [1.31]	Congenital [1.53]	Vit A [0.69]	Asthma [0.65]	Epilepsy [1.61]	Urticaria [0.89]	Skin Viral [0.92]	Iron [0.3]
Nandi	Neonatal [1.72]	Dermatitis [1.03]	Congenital [1.5]	Diarrhea [0.96]	Vit A [0.48]	Asthma [0.63]	Urticaria [0.89]	Skin Viral [0.93]	Epilepsy [0.96]	URI [1.08]
Narok	Neonatal [1.89]	Vit A [1.05]	Iron [0.49]	Dermatitis [1.06]	Congenital [1.46]	Diarrhea [0.75]	Asthma [0.67]	Urticaria [0.92]	Skin Viral [0.95]	Epilepsy [0.89]
Nyamira	Neonatal [1.6]	Dermatitis [1.03]	Diarrhea [1.16]	Congenital [1.54]	Asthma [0.62]	Urticaria [0.89]	Epilepsy [1.14]	Skin Viral [0.93]	URI [1.08]	Vit A [0.27]
Nyandarua	Neonatal [1.79]	Dermatitis [1.02]	Diarrhea [1.15]	Congenital [1.53]	Vit A [0.47]	Asthma [0.64]	PEM [10.7]	Urticaria [0.89]	Epilepsy [1.16]	Skin Viral [0.92]
Nyeri	Neonatal [1.71]	Dermatitis [1.02]	Congenital [1.53]	Diarrhea [1.13]	Vit A [0.47]	Asthma [0.62]	Urticaria [0.89]	Epilepsy [1.19]	Skin Viral [0.92]	URI [1.07]
Samburu	Neonatal [1.98]	Vit A [0.83]	Iron [0.51]	Dermatitis [1.12]	Diarrhea [0.79]	Congenital [1.48]	PEM [0.83]	Asthma [0.68]	Urticaria [0.96]	Skin Viral [0.99]
Siaya	Vit A [1.13]	Neonatal [1.26]	Iron [0.75]	Diarrhea [1.16]	Dermatitis [1.03]	Congenital [1.51]	Malaria [23.46]	Asthma [0.66]	Urticaria [0.9]	Skin Viral [0.93]
TaitaTaveta	Neonatal [1.59]	Dermatitis [1.03]	Diarrhea [1.2]	Congenital [1.52]	Vit A [0.53]	Asthma [0.61]	Urticaria [0.89]	Epilepsy [1.15]	Skin Viral [0.92]	URI [1.07]
TanaRiver	Vit A [0.99]	Neonatal [1.68]	Iron [0.89]	Dermatitis [1.07]	Diarrhea [0.95]	Congenital [1.5]	PEM [2.0]	Asthma [0.62]	Urticaria [0.92]	Skin Viral [0.96]
TharakaNithi	Neonatal [1.47]	Vit A [0.86]	Diarrhea [1.39]	Dermatitis [1.02]	Congenital [1.53]	Iron [0.51]	Asthma [0.62]	Urticaria [0.88]	Epilepsy [1.12]	Skin Viral [0.92]
TransNzoia	Neonatal [1.64]	Vit A [0.87]	Diarrhea [1.31]	Dermatitis [1.03]	Congenital [1.48]	Iron [0.39]	Asthma [0.62]	Urticaria [0.89]	Skin Viral [0.93]	URI [1.07]
Turkana	Neonatal [1.83]	PEM [2.5]	Vit A [0.5]	Diarrhea [0.91]	Dermatitis [1.12]	Congenital [1.52]	Asthma [0.64]	Urticaria [0.97]	Iron [0.13]	Skin Viral [1.0]
UasinGishu	Neonatal [1.62]	Dermatitis [1.44]	Vit A [0.92]	Diarrhea [1.29]	Iron [0.8]	Congenital [1.49]	Asthma [0.62]	Urticaria [0.89]	Skin Viral [0.92]	URI [1.07]
Vihiga	Neonatal [1.6]	Vit A [1.05]	Dermatitis [1.03]	Diarrhea [1.0]	Congenital [1.5]	Iron [0.41]	Asthma [0.63]	Urticaria [0.9]	Malaria [19.48]	Skin Viral [0.93]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Wajir	Neonatal [1.94]	Vit A [0.63]	Dermatitis [1.14]	Iron [0.3]	Congenital [1.51]	Diarrhea [0.56]	Asthma [0.66]	Urticaria [0.98]	Skin Viral [1.0]	URI [1.23]
WestPokot	Neonatal [1.8]	Vit A [0.96]	Iron [0.59]	Dermatitis [1.08]	Diarrhea [0.96]	Congenital [1.47]	PEM [1.8]	Asthma [0.64]	Urticaria [0.93]	Skin Viral [0.96]
Madagascar	Neonatal [1.52]	Congenital [2.43]	Diarrhea [1.21]	Vit A [0.48]	Iron [0.42]	Dermatitis [1.08]	PEM [1.63]	Asthma [1.08]	Epilepsy [1.17]	Urticaria [0.92]
Malawi	Iron [0.91]	Vit A [0.74]	Neonatal [1.39]	Diarrhea [1.48]	Dermatitis [1.07]	Congenital [1.12]	Asthma [0.89]	Malaria [2.64]	Epilepsy [1.02]	Urticaria [0.91]
Mozambique	Iron [0.87]	Vit A [0.8]	Neonatal [1.29]	Dermatitis [0.94]	Malaria [3.32]	Diarrhea [0.6]	Asthma [0.92]	Congenital [1.09]	Epilepsy [1.39]	HIV [29.72]
Rwanda	Neonatal [1.36]	Iron [0.56]	Vit A [0.55]	Asthma [1.19]	Diarrhea [0.87]	Dermatitis [0.77]	Congenital [1.09]	Epilepsy [1.16]	Urticaria [0.88]	Skin Viral [0.95]
Somalia	Iron [0.75]	Vit A [0.63]	Neonatal [1.5]	Dermatitis [1.11]	PEM [0.85]	Diarrhea [0.61]	Congenital [1.08]	Asthma [0.86]	Epilepsy [0.91]	Urticaria [0.94]
S Sudan	Vit A [0.95]	Iron [0.89]	PEM [2.17]	Neonatal [1.4]	Diarrhea [1.01]	Dermatitis [1.09]	Asthma [1.07]	Malaria [1.26]	Congenital [1.02]	Epilepsy [0.98]
Tanzania	Iron [0.9]	Neonatal [1.33]	Vit A [0.69]	Dermatitis [0.91]	Asthma [1.16]	Diarrhea [0.71]	Congenital [0.91]	Epilepsy [1.11]	Urticaria [0.87]	Skin Viral [0.91]
Uganda	Neonatal [1.37]	Iron [0.58]	Vit A [0.6]	Dermatitis [1.03]	Diarrhea [0.92]	Asthma [0.98]	Malaria [7.12]	Congenital [0.94]	Epilepsy [1.35]	Urticaria [0.89]
Zambia	Iron [1.35]	Neonatal [1.24]	Vit A [1.11]	Diarrhea [1.25]	Dermatitis [1.0]	Congenital [1.08]	Asthma [0.73]	Epilepsy [1.39]	Malaria [21.49]	Urticaria [0.86]
Southern Sub-Saharan Africa	Neonatal [1.17]	Dermatitis [1.19]	Vit A [1.06]	Congenital [1.17]	Iron [1.14]	Diarrhea [0.85]	Urticaria [0.89]	Skin Viral [0.83]	URI [0.9]	Epilepsy [1.0]
Botswana	Neonatal [1.31]	Dermatitis [1.17]	Vit A [1.31]	Iron [1.78]	Diarrhea [1.07]	Congenital [0.82]	Urticaria [0.89]	Skin Viral [0.83]	Asthma [0.41]	Epilepsy [1.06]
Lesotho	Iron [1.15]	Neonatal [1.07]	Vit A [0.95]	Dermatitis [1.33]	Diarrhea [0.96]	Congenital [0.91]	HIV [81.41]	Urticaria [0.85]	Skin Viral [0.88]	Skin Fung [1.79]
Namibia	Neonatal [1.19]	Iron [2.52]	Dermatitis [1.24]	Diarrhea [1.63]	Vit A [1.05]	Congenital [0.85]	PEM [49.17]	Urticaria [0.85]	Skin Viral [0.85]	URI [1.0]
S Africa	Neonatal [1.22]	Dermatitis [1.14]	Congenital [1.37]	Vit A [1.08]	Urticaria [0.94]	Skin Viral [0.82]	URI [0.89]	Epilepsy [1.09]	Iron [0.71]	ASD [0.87]
Swaziland	Neonatal [1.02]	Dermatitis [1.3]	Diarrhea [1.49]	Iron [1.08]	Vit A [0.77]	Congenital [0.88]	Urticaria [0.85]	HIV [122.68]	Asthma [0.43]	Skin Viral [0.87]
Zimbabwe	Neonatal [1.15]	Dermatitis [1.34]	Diarrhea [1.44]	Iron [0.67]	Vit A [0.6]	Congenital [0.78]	Urticaria [0.87]	Skin Viral [0.89]	Skin Fung [1.66]	URI [0.94]
Western Sub-Saharan Africa	Iron [1.67]	Vit A [1.07]	Neonatal [0.89]	Diarrhea [1.06]	Dermatitis [0.82]	PEM [5.0]	Congenital [1.16]	Malaria [16.69]	Hemog [2.33]	Asthma [0.56]
Benin	Iron [0.82]	Vit A [0.82]	Neonatal [1.23]	Malaria [7.19]	Dermatitis [0.88]	PEM [2.14]	Diarrhea [0.55]	Congenital [0.98]	Epilepsy [1.22]	Asthma [0.6]
Burkina Faso	Iron [1.82]	Vit A [1.02]	Malaria [2.66]	Neonatal [1.05]	Diarrhea [0.81]	Dermatitis [0.91]	PEM [1.05]	Hemog [1.92]	Congenital [0.99]	Asthma [0.76]
Cameroon	Iron [1.04]	Vit A [1.03]	Diarrhea [1.69]	Neonatal [0.91]	Dermatitis [0.87]	Malaria [37.55]	Congenital [1.03]	Epilepsy [1.4]	Asthma [0.54]	Urticaria [0.86]
Cape Verde	Neonatal [1.5]	Iron [1.44]	Dermatitis [0.83]	Diarrhea [0.76]	Congenital [0.93]	Asthma [0.58]	Epilepsy [1.32]	Urticaria [0.85]	Skin Viral [0.88]	URI [0.7]
Chad	Iron [1.55]	Vit A [0.8]	Diarrhea [1.39]	Neonatal [0.89]	PEM [1.07]	Dermatitis [0.92]	Congenital [0.96]	Malaria [0.83]	Oth NTD [0.84]	Epilepsy [1.0]
Cote d'Ivoire	Iron [1.36]	Vit A [1.12]	Neonatal [1.04]	Diarrhea [1.33]	Dermatitis [0.85]	Congenital [1.01]	Hemog [2.31]	Asthma [0.65]	Epilepsy [1.28]	Malaria [6.92]
Gambia	Iron [1.77]	Vit A [1.03]	Neonatal [1.53]	Diarrhea [1.15]	Dermatitis [0.86]	PEM [2.6]	Congenital [0.95]	Asthma [0.57]	Urticaria [0.87]	Hemog [1.71]
Ghana	Iron [1.84]	Vit A [1.6]	Neonatal [1.22]	Diarrhea [1.26]	Congenital [1.02]	Dermatitis [0.54]	Malaria [104.25]	Epilepsy [1.41]	Urticaria [0.85]	Asthma [0.45]
Guinea	Iron [1.34]	Vit A [0.86]	Neonatal [1.06]	Diarrhea [0.98]	Malaria [3.45]	Dermatitis [0.9]	Congenital [1.0]	Hemog [1.98]	Asthma [0.75]	Epilepsy [1.05]
Guinea-Bissau	Iron [1.35]	Vit A [0.98]	Neonatal [1.3]	Diarrhea [0.77]	Dermatitis [0.89]	Congenital [1.06]	Epilepsy [1.16]	Asthma [0.58]	Urticaria [0.91]	Skin Viral [0.93]
Liberia	Iron [1.2]	Vit A [0.68]	Diarrhea [1.48]	Neonatal [1.23]	Dermatitis [0.9]	Malaria [2.22]	Congenital [1.0]	Hemog [1.93]	Epilepsy [1.38]	Asthma [0.63]
Mali	Iron [1.67]	Vit A [0.89]	Neonatal [1.02]	PEM [1.04]	Diarrhea [0.61]	Malaria [1.55]	Dermatitis [0.85]	Congenital [0.97]	Oth NTD [0.93]	Urticaria [0.93]

eFigure 9c. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 1-4 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.72]	(0.72-0.84]	(0.84-0.92]	(0.92-1.01]	(1.01-1.09]	(1.09-1.17]	(1.17-1.32]	(1.32-1.67]	1.67+
	1	2	3	4	5	6	7	8	9	10
Mauritania	PEM [53.68]	Iron [1.83]	Vit A [1.32]	Neonatal [1.36]	Diarrhea [1.04]	Dermatitis [0.83]	Asthma [0.76]	Congenital [0.94]	Epilepsy [1.25]	Urticaria [0.84]
Niger	Iron [0.86]	Vit A [0.65]	PEM [0.89]	Neonatal [1.01]	Diarrhea [0.67]	Malaria [1.32]	Dermatitis [0.95]	Congenital [0.95]	Asthma [0.68]	Hemog [0.86]
Nigeria	Iron [2.01]	Vit A [1.2]	Neonatal [0.74]	Dermatitis [0.81]	PEM [10.78]	Diarrhea [0.96]	Congenital [1.38]	Malaria [48.34]	Hemog [3.21]	Asthma [0.54]
Sao Tome Principe	Neonatal [1.37]	Vit A [0.83]	Diarrhea [1.24]	Dermatitis [0.84]	Iron [0.54]	Congenital [1.0]	Asthma [0.56]	Epilepsy [1.29]	Urticaria [0.86]	Skin Viral [0.89]
Senegal	Iron [1.26]	Neonatal [1.52]	Vit A [0.85]	Diarrhea [1.3]	Dermatitis [0.88]	Congenital [0.98]	Epilepsy [1.12]	Urticaria [0.89]	Asthma [0.5]	Skin Viral [0.92]
Sierra Leone	Iron [1.6]	Vit A [0.87]	Malaria [6.98]	Neonatal [0.89]	Diarrhea [0.76]	Dermatitis [0.88]	Hemog [2.53]	Congenital [0.9]	Epilepsy [1.26]	Asthma [0.62]
Togo	Iron [1.35]	Vit A [0.97]	Neonatal [1.26]	Diarrhea [1.29]	Malaria [21.01]	Dermatitis [0.85]	PEM [3.06]	Congenital [1.0]	Asthma [0.66]	Epilepsy [1.23]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Global	Iron [2.11]	Vit A [1.74]	Neonatal [1.07]	Dermatitis [0.78]	Asthma [0.74]	Skin Viral [0.9]	Congenital [0.99]	Conduct [0.86]	Anxiety [0.85]	Diarrhea [1.06]
Low SDI	Iron [1.24]	Vit A [1.04]	Neonatal [1.42]	Dermatitis [0.85]	Congenital [1.05]	Asthma [0.66]	Skin Viral [0.93]	Diarrhea [0.91]	Conduct [0.92]	Epilepsy [0.92]
Low-middle SDI	Iron [1.77]	Vit A [1.32]	Neonatal [1.13]	Dermatitis [0.77]	Asthma [0.65]	Congenital [1.06]	Skin Viral [0.89]	Conduct [0.9]	Diarrhea [1.0]	Hemog [2.18]
Middle SDI	Neonatal [1.18]	Iron [1.07]	Vit A [1.14]	Asthma [0.87]	Dermatitis [0.69]	Skin Viral [0.93]	Congenital [0.92]	Conduct [0.81]	Anxiety [0.76]	Epilepsy [0.94]
High-middle SDI	Neonatal [1.31]	Asthma [1.0]	Dermatitis [0.59]	Iron [3.49]	Skin Viral [0.94]	Conduct [0.86]	Vit A [2.36]	Congenital [0.91]	Anxiety [0.71]	Diarrhea [1.9]
High SDI	Dermatitis [1.18]	Neonatal [0.88]	Asthma [0.97]	Anxiety [1.16]	Skin Viral [1.01]	Conduct [1.0]	Congenital [0.89]	URI [1.16]	Falls [1.28]	ASD [1.2]
Central Europe, Eastern Europe, and Central Asia	Neonatal [1.35]	Iron [2.39]	Dermatitis [0.59]	Vit A [1.28]	Congenital [1.06]	Conduct [0.92]	Asthma [0.61]	Upper Digest [6.45]	Falls [1.62]	Skin Viral [0.8]
Central Asia	Iron [2.18]	Vit A [1.53]	Neonatal [0.94]	Dermatitis [0.52]	Congenital [1.04]	Conduct [0.91]	Asthma [0.55]	Skin Viral [0.81]	Epilepsy [1.28]	Urticaria [1.1]
Armenia	Iron [3.52]	Neonatal [0.96]	Dermatitis [0.52]	Congenital [1.04]	Conduct [0.91]	Diarrhea [1.44]	Skin Viral [0.81]	Asthma [0.53]	Epilepsy [1.21]	Urticaria [1.15]
Azerbaijan	Neonatal [0.92]	Iron [1.07]	Vit A [0.88]	Dermatitis [0.52]	Congenital [1.02]	Conduct [0.92]	Skin Viral [0.81]	Epilepsy [1.34]	Asthma [0.52]	Diarrhea [1.27]
Georgia	Neonatal [0.96]	Iron [1.08]	Vit A [1.07]	Congenital [1.06]	Conduct [0.91]	Dermatitis [0.47]	Skin Viral [0.81]	Diarrhea [1.43]	Epilepsy [1.26]	Asthma [0.5]
Kazakhstan	Vit A [3.06]	Neonatal [1.02]	Iron [1.74]	Congenital [1.08]	Dermatitis [0.47]	Conduct [0.9]	Skin Viral [0.8]	Epilepsy [1.45]	Asthma [0.45]	Urticaria [1.25]
Kyrgyzstan	Iron [1.79]	Vit A [1.2]	Neonatal [1.01]	Dermatitis [0.56]	Congenital [1.07]	Asthma [0.6]	Hernia [5.31]	Conduct [0.93]	Skin Viral [0.85]	Epilepsy [1.06]
Mongolia	Vit A [2.03]	Iron [1.5]	Neonatal [0.98]	Dermatitis [0.54]	Congenital [1.07]	Conduct [0.91]	Epilepsy [1.27]	Skin Viral [0.82]	Asthma [0.53]	Urticaria [1.08]
Tajikistan	Iron [1.02]	Vit A [1.15]	Neonatal [1.05]	Dermatitis [0.58]	Congenital [1.07]	Conduct [0.96]	Epilepsy [1.08]	Skin Viral [0.87]	Diarrhea [0.93]	Asthma [0.47]
Turkmenistan	Iron [1.36]	Neonatal [0.84]	Vit A [1.29]	Dermatitis [0.52]	Congenital [1.05]	Conduct [0.91]	Skin Viral [0.81]	Epilepsy [1.3]	Asthma [0.52]	Urticaria [1.15]
Uzbekistan	Iron [2.48]	Neonatal [0.9]	Vit A [0.99]	Dermatitis [0.55]	Asthma [0.62]	Congenital [1.03]	Conduct [0.92]	Epilepsy [1.22]	Skin Viral [0.83]	Urticaria [1.04]
Central Europe	Neonatal [1.39]	Dermatitis [0.64]	Vit A [2.77]	Falls [2.06]	Diarrhea [2.76]	Congenital [1.19]	Asthma [0.67]	Conduct [0.9]	Iron [1.98]	Skin Viral [0.79]
Albania	Neonatal [1.17]	Vit A [1.65]	Falls [3.22]	Congenital [1.13]	Iron [0.66]	Conduct [0.91]	Diarrhea [1.44]	Dermatitis [0.46]	Skin Viral [0.8]	Upper Digest [5.33]
Bosnia	Neonatal [1.35]	Vit A [1.87]	Falls [3.05]	Dermatitis [0.58]	Congenital [1.15]	Iron [0.83]	Asthma [0.64]	Conduct [0.9]	Diarrhea [1.49]	Skin Viral [0.8]
Bulgaria	Neonatal [1.24]	Vit A [2.07]	Falls [2.12]	Congenital [1.23]	Dermatitis [0.52]	Diarrhea [2.32]	Conduct [0.9]	Skin Viral [0.79]	Asthma [0.54]	Anxiety [0.69]
Croatia	Neonatal [1.51]	Dermatitis [0.54]	Congenital [1.17]	Diarrhea [2.42]	Conduct [0.9]	Falls [1.34]	Asthma [0.63]	Vit A [1.96]	Skin Viral [0.8]	Anxiety [0.64]
Czech	Neonatal [0.93]	Falls [2.31]	Dermatitis [0.66]	Diarrhea [3.24]	Congenital [1.16]	Conduct [0.91]	Skin Viral [0.81]	Asthma [0.54]	Anxiety [0.63]	Urticaria [1.65]
Hungary	Neonatal [1.34]	Diarrhea [4.17]	Dermatitis [0.75]	Falls [2.11]	Congenital [1.23]	Vit A [2.02]	Conduct [0.9]	Skin Viral [0.8]	Asthma [0.52]	Anxiety [0.64]
Macedonia	Neonatal [1.33]	Vit A [2.38]	Iron [1.79]	Falls [2.44]	Dermatitis [0.54]	Congenital [1.13]	Diarrhea [1.96]	Asthma [0.66]	Conduct [0.9]	Skin Viral [0.8]
Montenegro	Neonatal [1.31]	Vit A [2.67]	Falls [2.22]	Dermatitis [0.56]	Congenital [1.15]	Iron [1.57]	Conduct [0.9]	Skin Viral [0.79]	Asthma [0.59]	Upper Digest [5.32]
Poland	Neonatal [1.55]	Dermatitis [0.73]	Falls [1.86]	Asthma [0.87]	Congenital [1.2]	Diarrhea [2.71]	Vit A [2.68]	Upper Digest [7.88]	Conduct [0.91]	Skin Viral [0.81]
Romania	Neonatal [1.43]	Iron [4.52]	Vit A [3.43]	Diarrhea [3.1]	Upper Digest [9.95]	Falls [2.17]	Dermatitis [0.6]	Congenital [1.18]	Asthma [0.7]	Conduct [0.89]
Serbia	Neonatal [1.72]	Vit A [1.57]	Falls [2.6]	Dermatitis [0.56]	Congenital [1.22]	Conduct [0.91]	Diarrhea [1.73]	Skin Viral [0.8]	Anxiety [0.7]	Asthma [0.45]
Slovakia	Neonatal [1.03]	Dermatitis [0.66]	Diarrhea [3.52]	Vit A [3.42]	Falls [1.89]	Congenital [1.26]	Upper Digest [8.12]	Conduct [0.91]	Skin Viral [0.8]	Anxiety [0.63]
Slovenia	Neonatal [1.1]	Falls [2.23]	Diarrhea [3.23]	Dermatitis [0.54]	Congenital [1.26]	Asthma [0.77]	Vit A [2.75]	Conduct [0.92]	Skin Viral [0.81]	Upper Digest [6.21]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Eastern Europe	Neonatal [1.62]	Iron [2.37]	Upper Digest [10.59]	Dermatitis [0.62]	Conduct [0.94]	Falls [1.64]	Congenital [1.01]	Asthma [0.62]	Skin Viral [0.79]	Diarrhea [1.58]
Belarus	Neonatal [1.59]	Dermatitis [0.74]	Upper Digest [11.12]	Asthma [0.73]	Falls [1.65]	Conduct [0.9]	Congenital [0.99]	Skin Viral [0.8]	Urticaria [1.35]	Iron [0.84]
Estonia	Neonatal [1.69]	Dermatitis [0.91]	Upper Digest [11.64]	Iron [3.49]	Falls [1.3]	Conduct [0.92]	Diarrhea [2.52]	Congenital [1.04]	Skin Viral [0.82]	Asthma [0.52]
Latvia	Neonatal [1.52]	Upper Digest [11.97]	Dermatitis [0.64]	Diarrhea [2.46]	Asthma [0.73]	Falls [1.44]	Conduct [0.9]	Iron [2.29]	Congenital [0.96]	Skin Viral [0.81]
Lithuania	Neonatal [1.74]	Upper Digest [14.1]	Diarrhea [2.89]	Congenital [1.11]	Falls [1.37]	Conduct [0.91]	Skin Viral [0.81]	Asthma [0.63]	Dermatitis [0.37]	Urticaria [1.59]
Moldova	Neonatal [1.67]	Iron [1.67]	Upper Digest [11.88]	Dermatitis [0.79]	Falls [2.61]	Congenital [0.99]	Conduct [0.9]	Asthma [0.56]	Skin Viral [0.81]	Urticaria [1.11]
Russian Federation	Neonatal [1.62]	Iron [2.55]	Upper Digest [10.45]	Dermatitis [0.62]	Falls [1.63]	Conduct [0.94]	Congenital [1.0]	Skin Viral [0.79]	Asthma [0.58]	Diarrhea [1.8]
Ukraine	Neonatal [1.6]	Iron [1.66]	Upper Digest [10.12]	Dermatitis [0.64]	Asthma [0.71]	Congenital [1.06]	Conduct [0.95]	Falls [1.84]	Skin Viral [0.8]	Urticaria [1.37]
High-income	Dermatitis [1.16]	Neonatal [0.89]	Asthma [1.1]	Anxiety [1.08]	Skin Viral [1.03]	Conduct [1.02]	Congenital [0.92]	URI [1.07]	Falls [0.81]	ASD [1.14]
Australasia	Asthma [2.05]	Dermatitis [1.07]	Falls [2.43]	Neonatal [0.9]	Anxiety [1.15]	Conduct [1.07]	Skin Viral [1.01]	URI [0.95]	Congenital [0.76]	Mech [5.31]
Australia	Asthma [2.09]	Dermatitis [1.01]	Neonatal [0.88]	Falls [2.31]	Anxiety [1.11]	Conduct [1.07]	Skin Viral [1.01]	URI [0.94]	Congenital [0.76]	ASD [1.02]
New Zealand	Dermatitis [1.36]	Asthma [1.82]	Falls [3.16]	Neonatal [1.01]	Anxiety [1.38]	Conduct [1.09]	Skin Viral [0.98]	Mech [7.47]	URI [0.99]	Congenital [0.76]
High-income Asia Pacific	Dermatitis [1.24]	Neonatal [1.16]	Asthma [0.93]	Skin Viral [1.01]	Anxiety [0.8]	Falls [1.16]	Conduct [0.88]	Diarrhea [2.36]	Congenital [0.94]	URI [0.97]
Brunei	Dermatitis [1.16]	Neonatal [1.13]	Iron [5.03]	Asthma [0.85]	Skin Viral [1.0]	Anxiety [0.83]	Conduct [0.85]	Diarrhea [2.32]	Falls [1.1]	Congenital [0.76]
Japan	Dermatitis [1.3]	Neonatal [1.14]	Asthma [0.94]	Skin Viral [1.0]	Falls [1.25]	Conduct [0.91]	Congenital [1.04]	Anxiety [0.78]	Diarrhea [2.22]	URI [0.99]
Aichi	Dermatitis [1.31]	Neonatal [1.17]	Asthma [0.96]	Skin Viral [1.01]	ASD [1.98]	Falls [1.21]	Conduct [0.91]	Anxiety [0.78]	Congenital [0.95]	Diarrhea [2.35]
Akita	Dermatitis [1.31]	Neonatal [1.23]	Asthma [0.91]	Skin Viral [0.98]	Congenital [1.13]	Falls [1.37]	Conduct [0.89]	Anxiety [0.81]	Diarrhea [2.08]	Iron [1.95]
Aomori	Dermatitis [1.31]	Neonatal [1.15]	Asthma [0.9]	Skin Viral [0.98]	Falls [1.39]	Conduct [0.89]	Anxiety [0.81]	Diarrhea [2.07]	Vit A [1.9]	Congenital [0.86]
Chiba	Dermatitis [1.31]	Neonatal [1.13]	Asthma [0.94]	Skin Viral [1.0]	Falls [1.27]	Congenital [1.07]	Conduct [0.9]	Anxiety [0.79]	URI [1.0]	Vit A [2.06]
Ehime	Dermatitis [1.31]	Neonatal [0.94]	Asthma [0.9]	Skin Viral [0.98]	Falls [1.33]	Conduct [0.9]	Anxiety [0.8]	Congenital [0.95]	Vit A [1.94]	URI [1.01]
Fukui	Dermatitis [1.31]	Neonatal [1.12]	Asthma [0.92]	Skin Viral [0.99]	Falls [1.29]	Conduct [0.9]	Anxiety [0.79]	Diarrhea [2.31]	Congenital [0.92]	URI [1.0]
Fukuoka	Dermatitis [1.31]	Neonatal [1.12]	Asthma [0.94]	Skin Viral [1.0]	Falls [1.28]	Conduct [0.9]	Anxiety [0.79]	Congenital [0.98]	Diarrhea [1.95]	Iron [2.35]
Fukushima	Dermatitis [1.31]	Neonatal [1.06]	Asthma [0.89]	Skin Viral [0.98]	Diarrhea [2.38]	Falls [1.37]	Congenital [1.03]	Conduct [0.89]	Anxiety [0.8]	URI [1.01]
Gifu	Dermatitis [1.31]	Neonatal [1.16]	Asthma [0.93]	Skin Viral [0.99]	Iron [3.04]	Falls [1.3]	Conduct [0.9]	Diarrhea [2.33]	Anxiety [0.79]	Congenital [0.82]
Gunma	Dermatitis [1.3]	Neonatal [1.1]	Asthma [0.93]	Skin Viral [0.99]	Falls [1.3]	Conduct [0.9]	Diarrhea [2.34]	Anxiety [0.79]	Congenital [0.98]	Iron [2.23]
Hiroshima	Dermatitis [1.31]	Neonatal [1.18]	Asthma [0.95]	Skin Viral [1.0]	Falls [1.23]	Conduct [0.91]	Anxiety [0.78]	Diarrhea [2.3]	Congenital [0.92]	URI [0.99]
Hokkaido	Dermatitis [1.31]	Neonatal [1.1]	Asthma [0.92]	Skin Viral [0.98]	Falls [1.34]	Diarrhea [2.34]	Conduct [0.89]	Congenital [1.02]	Anxiety [0.8]	Vit A [2.18]
Hyogo	Dermatitis [1.31]	Neonatal [1.15]	Asthma [0.8]	Skin Viral [1.0]	Falls [1.25]	Conduct [0.9]	Anxiety [0.78]	Diarrhea [2.35]	URI [1.0]	Iron [2.39]
Ibaraki	Dermatitis [1.31]	Neonatal [1.19]	Asthma [0.93]	Skin Viral [0.99]	Congenital [1.09]	Falls [1.28]	Conduct [0.9]	Anxiety [0.79]	Vit A [2.37]	Diarrhea [1.99]
Ishikawa	Dermatitis [1.31]	Neonatal [1.1]	Asthma [0.94]	Skin Viral [0.99]	Falls [1.28]	Conduct [0.89]	Congenital [1.02]	Anxiety [0.79]	Diarrhea [2.32]	URI [1.0]
Iwate	Dermatitis [1.31]	Neonatal [1.18]	Asthma [0.9]	Skin Viral [0.97]	Congenital [1.08]	Falls [1.39]	Conduct [0.89]	Anxiety [0.81]	Diarrhea [2.07]	Vit A [1.62]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Kagawa	Dermatitis [1.3]	Neonatal [1.08]	Asthma [0.92]	Diarrhea [3.07]	Skin Viral [0.99]	Falls [1.28]	Conduct [0.9]	Anxiety [0.79]	Congenital [0.99]	URI [1.0]
Kagoshima	Dermatitis [1.31]	Neonatal [0.98]	Asthma [0.89]	Skin Viral [0.98]	Congenital [1.14]	Falls [1.36]	Conduct [0.89]	Diarrhea [2.17]	Anxiety [0.81]	Iron [2.0]
Kanagawa	Dermatitis [1.31]	Neonatal [1.19]	Asthma [0.98]	Skin Viral [1.01]	Congenital [1.2]	Falls [1.23]	Conduct [0.91]	Anxiety [0.78]	ASD [1.59]	URI [0.99]
Kochi	Dermatitis [1.31]	Neonatal [1.05]	Asthma [0.89]	Skin Viral [0.98]	Falls [1.36]	Conduct [0.88]	Congenital [0.97]	Anxiety [0.81]	Diarrhea [2.09]	Iron [1.79]
Kumamoto	Dermatitis [1.31]	Neonatal [1.03]	Asthma [0.9]	Skin Viral [0.98]	Falls [1.37]	Conduct [0.89]	Anxiety [0.81]	Congenital [0.92]	Iron [2.05]	Diarrhea [1.87]
Kyoto	Neonatal [1.19]	Dermatitis [1.04]	Asthma [0.97]	Congenital [1.29]	Skin Viral [1.01]	Falls [1.22]	Conduct [0.92]	Anxiety [0.77]	Diarrhea [2.39]	URI [0.98]
Mie	Dermatitis [1.31]	Neonatal [1.17]	Asthma [0.93]	Skin Viral [0.99]	Diarrhea [2.73]	Falls [1.26]	Conduct [0.9]	Anxiety [0.79]	Congenital [0.91]	URI [1.0]
Miyagi	Dermatitis [1.31]	Neonatal [1.09]	Skin Viral [0.99]	Asthma [0.77]	Congenital [1.15]	Falls [1.3]	Conduct [0.9]	Anxiety [0.79]	Diarrhea [2.1]	URI [1.0]
Miyazaki	Dermatitis [1.31]	Neonatal [1.03]	Asthma [0.89]	Skin Viral [0.98]	Falls [1.4]	Congenital [1.02]	Conduct [0.89]	Anxiety [0.81]	URI [1.01]	ASD [1.34]
Nagano	Dermatitis [1.31]	Neonatal [1.19]	Asthma [0.93]	Diarrhea [2.84]	Skin Viral [0.99]	Falls [1.31]	Conduct [0.9]	Anxiety [0.79]	Congenital [0.95]	URI [1.01]
Nagasaki	Dermatitis [1.31]	Neonatal [1.03]	Asthma [0.89]	Congenital [1.15]	Skin Viral [0.98]	Falls [1.39]	Conduct [0.89]	Anxiety [0.81]	Diarrhea [1.72]	URI [1.02]
Nara	Dermatitis [1.31]	Neonatal [1.02]	Asthma [0.92]	Congenital [1.26]	Skin Viral [0.99]	Falls [1.31]	Conduct [0.9]	Anxiety [0.8]	Diarrhea [2.26]	Vit A [2.1]
Niigata	Dermatitis [1.3]	Neonatal [1.15]	Asthma [0.93]	Skin Viral [0.99]	Iron [2.9]	Congenital [1.07]	Falls [1.33]	Conduct [0.89]	Anxiety [0.8]	Diarrhea [2.16]
Oita	Dermatitis [1.3]	Neonatal [1.2]	Asthma [0.91]	Skin Viral [0.99]	Diarrhea [2.5]	Falls [1.31]	Conduct [0.9]	Anxiety [0.79]	Congenital [0.88]	URI [1.0]
Okayama	Dermatitis [1.3]	Neonatal [1.21]	Asthma [0.94]	Skin Viral [0.99]	Falls [1.27]	Conduct [0.91]	Anxiety [0.79]	Diarrhea [2.08]	Congenital [0.87]	URI [0.99]
Okinawa	Dermatitis [1.31]	Neonatal [1.08]	Skin Viral [0.98]	Asthma [0.75]	Vit A [2.04]	Falls [1.43]	Conduct [0.88]	Anxiety [0.81]	Diarrhea [1.76]	Congenital [0.79]
Osaka	Dermatitis [1.31]	Neonatal [1.09]	Asthma [0.97]	Skin Viral [1.01]	Congenital [1.12]	Falls [1.25]	Conduct [0.91]	Anxiety [0.78]	Diarrhea [2.15]	URI [0.99]
Saga	Dermatitis [1.31]	Neonatal [1.08]	Asthma [0.91]	Skin Viral [0.98]	Falls [1.35]	Conduct [0.89]	Anxiety [0.8]	Congenital [0.93]	Diarrhea [2.07]	URI [1.01]
Saitama	Dermatitis [1.31]	Neonatal [1.12]	Asthma [0.94]	Skin Viral [0.99]	Falls [1.32]	Conduct [0.9]	Anxiety [0.79]	Diarrhea [2.08]	Congenital [0.88]	URI [1.0]
Shiga	Dermatitis [1.59]	Neonatal [1.08]	Asthma [0.96]	Skin Viral [1.0]	Falls [1.24]	Conduct [0.91]	Congenital [1.05]	Anxiety [0.78]	Diarrhea [2.38]	URI [0.99]
Shimane	Dermatitis [1.31]	Neonatal [1.06]	Asthma [0.89]	Skin Viral [0.98]	Falls [1.36]	Conduct [0.9]	Anxiety [0.8]	Diarrhea [2.12]	Congenital [0.86]	URI [1.01]
Shizuoka	Dermatitis [1.31]	Neonatal [1.25]	Asthma [0.94]	Skin Viral [1.0]	Falls [1.25]	Conduct [0.91]	Anxiety [0.79]	Congenital [0.94]	Diarrhea [2.15]	Vit A [2.24]
Tochigi	Dermatitis [1.31]	Neonatal [1.2]	Asthma [0.94]	Congenital [1.4]	Skin Viral [0.99]	Falls [1.27]	Conduct [0.9]	Anxiety [0.79]	URI [0.99]	ASD [1.33]
Tokushima	Dermatitis [1.3]	Neonatal [1.14]	Asthma [0.91]	Skin Viral [0.99]	Diarrhea [2.49]	Falls [1.29]	Conduct [0.9]	Anxiety [0.79]	Congenital [0.95]	URI [1.0]
Tokyo	Dermatitis [1.33]	Neonatal [1.25]	Asthma [1.08]	Congenital [1.3]	Skin Viral [1.05]	Falls [1.08]	Conduct [0.95]	Anxiety [0.76]	URI [0.97]	Diarrhea [2.49]
Tottori	Dermatitis [1.3]	Neonatal [1.14]	Asthma [0.9]	Skin Viral [0.98]	Congenital [1.11]	Falls [1.34]	Conduct [0.9]	Anxiety [0.8]	Iron [2.27]	Diarrhea [1.78]
Toyama	Dermatitis [1.3]	Neonatal [1.1]	Asthma [0.95]	Skin Viral [1.0]	Falls [1.25]	Conduct [0.91]	Iron [3.01]	Diarrhea [2.43]	Anxiety [0.78]	Congenital [0.96]
Wakayama	Dermatitis [1.31]	Neonatal [1.19]	Asthma [0.9]	Skin Viral [0.98]	Falls [1.33]	Conduct [0.9]	Iron [2.56]	Anxiety [0.8]	Diarrhea [2.12]	Vit A [1.91]
Yamagata	Dermatitis [1.31]	Neonatal [0.97]	Asthma [0.91]	Skin Viral [0.98]	Diarrhea [2.48]	Falls [1.4]	Conduct [0.89]	Anxiety [0.8]	Congenital [0.92]	URI [1.01]
Yamaguchi	Dermatitis [1.31]	Neonatal [1.01]	Asthma [0.92]	Skin Viral [0.99]	Falls [1.28]	Conduct [0.9]	Diarrhea [2.36]	Anxiety [0.79]	Congenital [0.87]	URI [1.0]
Yamanashi	Dermatitis [1.31]	Neonatal [1.26]	Asthma [0.94]	Skin Viral [1.0]	Falls [1.27]	Conduct [0.9]	Congenital [1.0]	Anxiety [0.79]	Diarrhea [2.13]	URI [1.0]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
S Korea	Neonatal [1.18]	Dermatitis [1.11]	Asthma [0.9]	Skin Viral [1.01]	Anxiety [0.85]	Diarrhea [2.58]	Conduct [0.82]	Iron [2.97]	Falls [1.01]	URI [0.93]
Singapore	Neonatal [1.17]	Dermatitis [1.03]	Asthma [0.88]	Skin Viral [1.01]	Anxiety [0.83]	Diarrhea [2.45]	Conduct [0.85]	Falls [1.06]	Iron [2.96]	URI [0.95]
High-income North America	Dermatitis [1.28]	Neonatal [0.88]	Asthma [1.4]	Skin Viral [1.16]	Conduct [1.18]	Anxiety [0.92]	Psoriasis [3.75]	Congenital [0.86]	URI [0.98]	ASD [1.24]
Canada	Dermatitis [1.38]	Asthma [1.59]	Skin Viral [1.28]	Neonatal [0.61]	Conduct [0.97]	Anxiety [0.77]	Psoriasis [3.73]	ASD [1.51]	URI [1.03]	Congenital [0.75]
Greenland	Dermatitis [1.33]	Asthma [1.42]	Neonatal [0.6]	Skin Viral [1.18]	Conduct [1.0]	Anxiety [0.96]	Vit A [0.85]	URI [1.13]	Iron [0.81]	Psoriasis [3.65]
USA	Dermatitis [1.27]	Neonatal [0.9]	Asthma [1.37]	Conduct [1.19]	Skin Viral [1.15]	Anxiety [0.94]	Psoriasis [3.76]	Congenital [0.86]	URI [0.97]	ASD [1.21]
Alabama	Dermatitis [1.12]	Neonatal [0.89]	Asthma [1.33]	Skin Viral [1.2]	Conduct [1.14]	Anxiety [0.96]	Iron [2.52]	Psoriasis [3.43]	URI [0.99]	Epilepsy [1.35]
Alaska	Dermatitis [1.12]	Neonatal [0.85]	Asthma [1.01]	Conduct [1.16]	Anxiety [0.94]	Skin Viral [0.83]	Congenital [0.93]	URI [0.97]	Psoriasis [3.07]	ASD [1.14]
Arizona	Dermatitis [1.3]	Asthma [1.45]	Neonatal [0.89]	Conduct [1.15]	Anxiety [0.95]	Skin Viral [0.89]	Iron [2.81]	Congenital [0.84]	Psoriasis [3.42]	URI [0.98]
Arkansas	Dermatitis [1.03]	Neonatal [0.78]	Asthma [0.97]	Conduct [1.14]	Anxiety [0.97]	Skin Viral [0.97]	Iron [1.99]	URI [0.99]	Congenital [0.71]	ASD [1.24]
California	Dermatitis [1.42]	Asthma [1.33]	Neonatal [0.75]	Conduct [1.18]	Anxiety [0.93]	Skin Viral [0.97]	Psoriasis [3.89]	ASD [1.39]	Congenital [0.81]	URI [0.97]
Colorado	Dermatitis [1.14]	Neonatal [0.92]	Asthma [1.32]	Conduct [1.18]	Anxiety [0.93]	Skin Viral [0.98]	Congenital [0.89]	URI [0.97]	Psoriasis [2.68]	Headaches [1.0]
Connecticut	Dermatitis [1.44]	Asthma [1.92]	Neonatal [1.08]	Skin Viral [1.53]	Conduct [1.19]	Anxiety [0.91]	Psoriasis [4.13]	Congenital [0.88]	URI [0.96]	Epilepsy [1.58]
Delaware	Dermatitis [1.14]	Asthma [1.55]	Neonatal [0.88]	Skin Viral [1.36]	Conduct [1.17]	Anxiety [0.93]	Psoriasis [4.09]	Congenital [0.89]	URI [0.97]	Epilepsy [1.62]
DC	Dermatitis [1.69]	Asthma [1.53]	Neonatal [0.93]	Skin Viral [1.36]	Conduct [1.17]	Anxiety [0.93]	Psoriasis [3.68]	Congenital [0.88]	URI [0.95]	ASD [1.1]
Florida	Dermatitis [1.28]	Neonatal [1.01]	Asthma [1.5]	Skin Viral [1.35]	Conduct [1.16]	Anxiety [0.94]	Psoriasis [4.71]	Iron [2.76]	Congenital [0.84]	URI [0.97]
Georgia	Dermatitis [1.39]	Asthma [1.44]	Neonatal [0.83]	Skin Viral [1.19]	Conduct [1.15]	Anxiety [0.95]	Psoriasis [4.18]	URI [0.98]	Congenital [0.78]	Epilepsy [1.45]
Hawaii	Dermatitis [1.49]	Asthma [1.52]	Neonatal [0.82]	Skin Viral [1.37]	Conduct [1.17]	Anxiety [0.94]	Psoriasis [3.86]	Congenital [0.84]	URI [0.98]	ASD [1.14]
Idaho	Dermatitis [1.04]	Neonatal [0.74]	Skin Viral [1.26]	Conduct [1.15]	Anxiety [0.96]	Asthma [0.72]	URI [0.99]	Congenital [0.77]	Psoriasis [2.82]	ASD [1.15]
Illinois	Dermatitis [1.12]	Neonatal [1.06]	Asthma [1.27]	Skin Viral [1.16]	Conduct [1.17]	Anxiety [0.93]	Congenital [0.93]	Psoriasis [3.57]	URI [0.97]	Epilepsy [1.5]
Indiana	Dermatitis [1.09]	Neonatal [0.85]	Asthma [1.28]	Iron [3.79]	Conduct [1.15]	Anxiety [0.95]	Skin Viral [1.0]	Congenital [0.94]	Psoriasis [3.24]	URI [0.98]
Iowa	Dermatitis [1.0]	Neonatal [0.87]	Skin Viral [1.17]	Conduct [1.17]	Anxiety [0.94]	Asthma [0.78]	Iron [3.53]	Congenital [0.84]	URI [0.97]	Psoriasis [2.86]
Kansas	Dermatitis [1.06]	Neonatal [0.92]	Asthma [1.33]	Conduct [1.16]	Skin Viral [1.05]	Anxiety [0.94]	URI [0.97]	Psoriasis [3.14]	Congenital [0.78]	ASD [1.14]
Kentucky	Dermatitis [1.12]	Neonatal [0.87]	Asthma [1.32]	Skin Viral [1.21]	Conduct [1.14]	Anxiety [0.97]	Iron [2.03]	Congenital [0.86]	Psoriasis [3.52]	URI [0.99]
Louisiana	Dermatitis [1.2]	Neonatal [0.81]	Skin Viral [1.59]	Asthma [1.04]	Conduct [1.14]	Anxiety [0.97]	Psoriasis [4.06]	Congenital [0.83]	URI [0.99]	Epilepsy [1.47]
Maine	Dermatitis [0.97]	Asthma [1.47]	Neonatal [0.91]	Conduct [1.17]	Skin Viral [1.05]	Anxiety [0.94]	Psoriasis [3.46]	Congenital [0.86]	URI [0.98]	ASD [1.15]
Maryland	Dermatitis [1.44]	Neonatal [1.06]	Asthma [1.6]	Skin Viral [1.18]	Conduct [1.19]	Anxiety [0.92]	Psoriasis [4.11]	Congenital [0.86]	URI [0.96]	ASD [1.23]
Massachusetts	Dermatitis [1.29]	Neonatal [1.03]	Asthma [1.65]	Skin Viral [1.42]	Conduct [1.2]	Anxiety [0.91]	Psoriasis [4.13]	Congenital [0.97]	ASD [1.5]	URI [0.97]
Michigan	Dermatitis [1.13]	Asthma [1.48]	Neonatal [0.89]	Skin Viral [1.36]	Conduct [1.16]	Anxiety [0.94]	Iron [3.26]	Congenital [0.95]	Psoriasis [3.59]	URI [0.97]
Minnesota	Dermatitis [1.0]	Neonatal [0.96]	Asthma [1.13]	Skin Viral [1.34]	Conduct [1.19]	Anxiety [0.93]	Congenital [0.94]	ASD [1.34]	URI [0.96]	Psoriasis [3.1]
Mississippi	Dermatitis [1.02]	Neonatal [0.85]	Asthma [0.89]	Conduct [1.13]	Iron [2.62]	Anxiety [0.98]	Skin Viral [0.97]	URI [0.99]	Psoriasis [3.08]	Congenital [0.66]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Missouri	Dermatitis [1.01]	Neonatal [0.92]	Asthma [1.27]	Conduct [1.16]	Skin Viral [1.04]	Anxiety [0.95]	Congenital [0.88]	URI [0.98]	Psoriasis [3.22]	ASD [1.2]
Montana	Dermatitis [0.99]	Neonatal [0.87]	Skin Viral [1.19]	Asthma [0.93]	Conduct [1.16]	Anxiety [0.94]	Iron [2.55]	Congenital [0.8]	URI [0.96]	Psoriasis [2.85]
Nebraska	Dermatitis [1.0]	Neonatal [0.87]	Skin Viral [1.18]	Conduct [1.17]	Asthma [0.88]	Anxiety [0.94]	Congenital [0.88]	URI [0.97]	Psoriasis [3.01]	ASD [1.15]
Nevada	Dermatitis [1.23]	Neonatal [0.84]	Asthma [1.16]	Conduct [1.15]	Anxiety [0.96]	Skin Viral [0.71]	URI [0.99]	Psoriasis [2.99]	Congenital [0.7]	ASD [1.14]
New Hampshire	Dermatitis [1.01]	Neonatal [0.87]	Asthma [1.41]	Skin Viral [1.2]	Conduct [1.19]	Anxiety [0.92]	Psoriasis [3.83]	Congenital [0.9]	URI [0.97]	Iron [3.13]
New Jersey	Dermatitis [1.57]	Asthma [1.92]	Neonatal [0.97]	Skin Viral [1.4]	Conduct [1.19]	Anxiety [0.92]	Psoriasis [4.59]	ASD [1.65]	Congenital [1.03]	URI [0.96]
New Mexico	Dermatitis [1.13]	Neonatal [0.95]	Asthma [1.42]	Conduct [1.14]	Anxiety [0.97]	Skin Viral [0.72]	Congenital [0.83]	URI [0.99]	Epilepsy [1.28]	ASD [1.15]
New York	Dermatitis [1.62]	Asthma [2.07]	Neonatal [1.01]	Skin Viral [1.45]	Conduct [1.18]	Psoriasis [5.0]	Anxiety [0.92]	Congenital [1.04]	URI [0.96]	Epilepsy [1.6]
N Carolina	Dermatitis [1.18]	Neonatal [0.9]	Asthma [1.23]	Skin Viral [1.16]	Conduct [1.06]	Anxiety [0.9]	Psoriasis [3.76]	Congenital [0.83]	URI [0.98]	ASD [1.33]
N Dakota	Dermatitis [0.96]	Neonatal [0.95]	Asthma [1.12]	Skin Viral [1.14]	Conduct [1.18]	Anxiety [0.93]	Congenital [1.11]	URI [0.97]	Iron [2.63]	Psoriasis [2.9]
Ohio	Dermatitis [1.2]	Neonatal [0.86]	Asthma [1.36]	Conduct [1.16]	Skin Viral [1.12]	Anxiety [0.94]	Congenital [0.97]	Psoriasis [3.44]	URI [0.98]	Epilepsy [1.54]
Oklahoma	Dermatitis [1.25]	Asthma [1.41]	Neonatal [0.81]	Conduct [1.15]	Anxiety [0.96]	Skin Viral [0.94]	Congenital [0.81]	Iron [1.98]	URI [0.98]	Epilepsy [1.42]
Oregon	Dermatitis [1.32]	Neonatal [0.78]	Asthma [1.04]	Skin Viral [1.16]	Conduct [1.02]	Anxiety [0.87]	Psoriasis [3.64]	Congenital [0.85]	URI [0.97]	ASD [1.14]
Pennsylvania	Dermatitis [1.24]	Asthma [1.55]	Neonatal [0.9]	Skin Viral [1.2]	Conduct [1.17]	Anxiety [0.93]	Congenital [1.0]	Psoriasis [3.7]	URI [0.97]	Iron [2.72]
Rhode Island	Dermatitis [1.14]	Asthma [1.55]	Neonatal [0.88]	Skin Viral [1.43]	Conduct [1.18]	Anxiety [0.92]	Psoriasis [3.87]	Congenital [0.88]	URI [0.97]	ASD [1.14]
S Carolina	Dermatitis [1.37]	Neonatal [0.85]	Asthma [1.23]	Iron [4.38]	Skin Viral [1.19]	Conduct [1.14]	Anxiety [0.96]	Psoriasis [3.97]	Congenital [0.79]	URI [0.98]
S Dakota	Dermatitis [0.97]	Neonatal [0.77]	Skin Viral [1.29]	Conduct [1.16]	Anxiety [0.95]	Asthma [0.79]	Iron [2.43]	Congenital [0.81]	URI [0.97]	Psoriasis [2.92]
Tennessee	Dermatitis [1.12]	Neonatal [0.84]	Asthma [1.03]	Conduct [1.14]	Skin Viral [1.01]	Anxiety [0.96]	ASD [1.49]	Psoriasis [3.39]	URI [0.99]	Congenital [0.77]
Texas	Dermatitis [1.33]	Neonatal [0.96]	Asthma [1.44]	Conduct [1.49]	Anxiety [0.96]	Skin Viral [1.0]	Psoriasis [3.97]	ASD [1.6]	Congenital [0.79]	URI [0.98]
Utah	Dermatitis [1.06]	Neonatal [0.83]	Skin Viral [1.3]	Conduct [1.15]	Asthma [0.81]	Anxiety [0.95]	ASD [1.9]	Iron [3.2]	Congenital [0.81]	URI [0.98]
Vermont	Dermatitis [0.99]	Neonatal [0.97]	Asthma [1.26]	Conduct [1.19]	Anxiety [0.92]	Skin Viral [1.04]	Congenital [0.88]	Psoriasis [3.31]	URI [0.96]	ASD [1.14]
Virginia	Dermatitis [1.45]	Neonatal [0.98]	Asthma [1.43]	Conduct [1.18]	Skin Viral [1.06]	Anxiety [0.93]	Psoriasis [3.75]	URI [0.96]	Congenital [0.79]	Epilepsy [1.48]
Washington	Dermatitis [1.28]	Neonatal [0.83]	Asthma [1.02]	Skin Viral [1.22]	Conduct [1.18]	Anxiety [0.93]	Psoriasis [3.56]	Congenital [0.92]	URI [0.97]	ASD [1.14]
W Virginia	Dermatitis [1.14]	Asthma [1.35]	Neonatal [0.85]	Conduct [1.14]	Anxiety [0.97]	Skin Viral [0.97]	Iron [2.25]	Epilepsy [1.51]	Psoriasis [3.43]	Congenital [0.77]
Wisconsin	Dermatitis [1.0]	Neonatal [0.96]	Asthma [1.03]	Skin Viral [1.2]	Conduct [1.18]	Anxiety [0.93]	Congenital [0.94]	Psoriasis [3.2]	URI [0.97]	Epilepsy [1.52]
Wyoming	Dermatitis [1.05]	Neonatal [0.73]	Asthma [1.0]	Conduct [1.17]	Anxiety [0.94]	Skin Viral [0.91]	Congenital [0.87]	URI [0.97]	ASD [1.13]	Headaches [0.99]
Southern Latin America	Neonatal [0.95]	Dermatitis [1.0]	Asthma [0.98]	Anxiety [1.37]	Diarrhea [1.97]	Skin Viral [0.99]	Conduct [0.92]	Congenital [0.73]	Iron [0.5]	URI [0.89]
Argentina	Neonatal [0.94]	Dermatitis [0.94]	Asthma [0.96]	Anxiety [1.38]	Diarrhea [1.94]	Skin Viral [0.99]	Conduct [0.93]	Iron [0.54]	Congenital [0.74]	URI [0.89]
Chile	Dermatitis [1.19]	Neonatal [1.0]	Asthma [1.02]	Anxiety [1.32]	Diarrhea [2.24]	Skin Viral [0.99]	Conduct [0.89]	Congenital [0.72]	Epilepsy [1.15]	Vit A [0.62]
Uruguay	Neonatal [1.0]	Dermatitis [0.93]	Asthma [1.11]	Anxiety [1.39]	Skin Viral [0.99]	Conduct [0.93]	Iron [0.6]	Congenital [0.69]	Vit A [0.52]	Diarrhea [0.98]
Western Europe	Dermatitis [1.08]	Neonatal [0.81]	Anxiety [1.29]	Asthma [0.83]	Skin Viral [0.95]	Conduct [0.95]	Congenital [1.03]	URI [1.27]	Falls [0.92]	Headaches [0.96]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Andorra	Dermatitis [1.48]	Neonatal [0.86]	Anxiety [1.22]	Asthma [1.0]	Skin Viral [0.99]	Conduct [0.96]	URI [1.24]	Congenital [1.07]	Falls [0.83]	Headaches [1.03]
Austria	Neonatal [1.34]	Dermatitis [0.75]	Anxiety [1.24]	Skin Viral [0.96]	Asthma [0.75]	Conduct [0.95]	Congenital [1.05]	URI [1.26]	Falls [0.93]	Headaches [1.01]
Belgium	Dermatitis [0.91]	Anxiety [1.19]	Neonatal [0.56]	Skin Viral [0.98]	Conduct [0.96]	URI [1.24]	Asthma [0.7]	Congenital [1.0]	Falls [1.02]	Headaches [1.28]
Cyprus	Neonatal [1.07]	Dermatitis [0.77]	Anxiety [1.23]	Asthma [0.77]	Skin Viral [0.96]	Conduct [0.95]	URI [1.26]	Congenital [0.98]	Falls [0.9]	Headaches [0.99]
Denmark	Dermatitis [1.26]	Anxiety [1.2]	Neonatal [0.69]	Skin Viral [1.15]	Asthma [0.93]	Iron [5.37]	Congenital [1.16]	URI [1.22]	Conduct [0.9]	Falls [0.79]
Finland	Neonatal [1.68]	Dermatitis [1.32]	Asthma [0.91]	Anxiety [0.9]	Skin Viral [1.01]	Conduct [0.93]	Congenital [1.08]	URI [1.23]	Falls [0.96]	Headaches [1.02]
France	Dermatitis [1.2]	Anxiety [1.46]	Neonatal [0.65]	Asthma [0.78]	Skin Viral [0.96]	Conduct [0.94]	URI [1.26]	Congenital [1.01]	Falls [0.93]	Epilepsy [1.17]
Germany	Neonatal [0.93]	Dermatitis [0.91]	Anxiety [1.45]	Skin Viral [0.98]	Conduct [0.95]	URI [1.25]	Congenital [1.02]	Epilepsy [2.05]	Asthma [0.57]	Falls [0.91]
Greece	Neonatal [0.84]	Anxiety [1.39]	Dermatitis [0.64]	Skin Viral [0.94]	Asthma [0.69]	Conduct [0.92]	URI [1.31]	Congenital [0.97]	Headaches [1.16]	Falls [1.03]
Iceland	Dermatitis [1.38]	Neonatal [0.87]	Asthma [1.4]	Anxiety [1.21]	Skin Viral [1.09]	Conduct [0.97]	URI [1.23]	Congenital [0.98]	Falls [0.82]	Headaches [1.03]
Ireland	Dermatitis [1.12]	Anxiety [1.33]	Asthma [1.18]	Neonatal [0.72]	Skin Viral [0.97]	Congenital [1.14]	Conduct [0.95]	URI [1.24]	Falls [0.92]	Headaches [1.01]
Israel	Dermatitis [1.0]	Neonatal [0.92]	Blindness [2.66]	Asthma [0.73]	Skin Viral [0.91]	Conduct [0.92]	Congenital [1.0]	URI [1.29]	Anxiety [0.81]	Falls [1.07]
Italy	Dermatitis [0.91]	Anxiety [1.32]	Neonatal [0.64]	Skin Viral [0.95]	Conduct [0.94]	URI [1.27]	Congenital [0.98]	Headaches [1.21]	Asthma [0.42]	Falls [0.79]
Luxembourg	Dermatitis [1.48]	Neonatal [1.13]	Anxiety [1.2]	Asthma [1.11]	Skin Viral [1.0]	Conduct [0.98]	URI [1.23]	Congenital [1.05]	Falls [0.79]	Headaches [1.16]
Malta	Dermatitis [0.79]	Neonatal [0.71]	Anxiety [1.27]	Asthma [0.83]	Congenital [1.19]	Skin Viral [0.94]	Conduct [0.93]	URI [1.27]	Falls [1.21]	Iron [1.96]
Netherlands	Dermatitis [1.18]	Neonatal [0.87]	Anxiety [1.43]	Asthma [0.92]	Conduct [1.09]	Skin Viral [0.92]	URI [1.23]	Congenital [1.08]	Headaches [1.14]	Falls [0.7]
Norway	Dermatitis [1.33]	Neonatal [1.04]	Anxiety [1.6]	Asthma [1.36]	Congenital [1.48]	Skin Viral [1.07]	Conduct [0.98]	URI [1.24]	Falls [1.05]	Headaches [1.04]
Portugal	Dermatitis [0.86]	Asthma [1.15]	Anxiety [1.34]	Neonatal [0.59]	Conduct [0.92]	Skin Viral [0.84]	Vit A [1.25]	URI [1.32]	Congenital [0.81]	Iron [0.96]
Spain	Neonatal [0.68]	Dermatitis [0.67]	Anxiety [1.21]	Skin Viral [0.92]	Conduct [0.93]	Asthma [0.68]	URI [1.29]	Congenital [0.93]	Iron [1.91]	Headaches [1.18]
Sweden	Dermatitis [1.69]	Asthma [1.26]	Neonatal [0.76]	Anxiety [1.19]	Skin Viral [1.07]	Congenital [1.2]	Conduct [0.98]	URI [1.25]	Falls [1.09]	ASD [1.1]
Stockholm	Dermatitis [1.35]	Neonatal [0.75]	Asthma [1.18]	Anxiety [1.17]	Skin Viral [1.1]	Congenital [1.25]	Conduct [0.99]	URI [1.23]	Falls [1.01]	ASD [1.38]
Sweden w/o Stockholm	Dermatitis [1.79]	Asthma [1.28]	Neonatal [0.77]	Anxiety [1.2]	Skin Viral [1.06]	Congenital [1.18]	Conduct [0.97]	URI [1.26]	Falls [1.12]	Headaches [0.96]
Switzerland	Dermatitis [1.47]	Neonatal [0.83]	Anxiety [1.22]	Asthma [0.9]	Skin Viral [0.98]	Conduct [0.96]	URI [1.24]	Congenital [1.04]	Falls [0.66]	ASD [1.02]
UK	Dermatitis [1.43]	Neonatal [0.97]	Asthma [1.38]	Iron [4.12]	Anxiety [1.08]	Congenital [1.15]	Conduct [0.98]	Skin Viral [0.89]	URI [1.28]	Falls [0.99]
England	Dermatitis [1.46]	Neonatal [0.99]	Asthma [1.41]	Iron [4.26]	Anxiety [1.05]	Congenital [1.15]	Conduct [0.98]	Skin Viral [0.88]	URI [1.27]	Falls [0.97]
E Midlands	Dermatitis [1.44]	Neonatal [0.94]	Asthma [1.3]	Iron [3.51]	Anxiety [1.07]	Congenital [1.19]	Conduct [0.97]	Skin Viral [0.87]	URI [1.29]	Falls [1.04]
Derby	Dermatitis [1.43]	Neonatal [0.95]	Asthma [1.33]	Iron [3.85]	Anxiety [1.05]	Congenital [1.2]	Conduct [0.98]	Skin Viral [0.88]	URI [1.27]	Falls [0.99]
Derbyshire	Dermatitis [1.44]	Neonatal [0.86]	Asthma [1.27]	Iron [3.92]	Anxiety [1.08]	Congenital [1.17]	Conduct [0.97]	Skin Viral [0.87]	URI [1.31]	Falls [1.09]
Leicester	Dermatitis [1.44]	Asthma [1.34]	Neonatal [0.81]	Anxiety [1.06]	Congenital [1.2]	Conduct [0.98]	Iron [2.84]	Skin Viral [0.88]	URI [1.27]	Falls [1.01]
Leicestershire	Dermatitis [1.44]	Asthma [1.32]	Neonatal [0.79]	Iron [4.19]	Anxiety [1.05]	Congenital [1.21]	Conduct [0.98]	Skin Viral [0.88]	URI [1.28]	Falls [0.99]
Lincolnshire	Dermatitis [1.44]	Neonatal [0.92]	Asthma [1.27]	Iron [2.98]	Anxiety [1.09]	Congenital [1.16]	Conduct [0.96]	Skin Viral [0.87]	URI [1.31]	Falls [1.1]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Northamptonshire	Dermatitis [1.44]	Neonatal [1.03]	Asthma [1.3]	Iron [3.52]	Anxiety [1.07]	Congenital [1.19]	Conduct [0.97]	Skin Viral [0.87]	URI [1.29]	Falls [1.03]
Nottingham	Dermatitis [1.44]	Neonatal [1.15]	Asthma [1.4]	Anxiety [1.03]	Iron [3.96]	Congenital [1.22]	Conduct [1.0]	Skin Viral [0.89]	URI [1.26]	Falls [0.93]
Nottinghamshire	Dermatitis [1.44]	Neonatal [1.03]	Asthma [1.28]	Anxiety [1.08]	Iron [2.48]	Congenital [1.18]	Conduct [0.97]	Skin Viral [0.87]	URI [1.31]	Falls [1.09]
Rutland	Dermatitis [1.44]	Asthma [1.3]	Iron [3.92]	Neonatal [0.66]	Anxiety [1.07]	Congenital [1.18]	Conduct [0.97]	Skin Viral [0.88]	URI [1.3]	Falls [1.03]
E England	Dermatitis [1.44]	Neonatal [0.9]	Asthma [1.32]	Anxiety [1.06]	Iron [2.97]	Conduct [0.98]	Congenital [1.08]	Skin Viral [0.88]	URI [1.29]	Falls [1.01]
Bedford	Dermatitis [1.44]	Neonatal [1.1]	Asthma [1.32]	Iron [3.44]	Anxiety [1.06]	Conduct [0.98]	Congenital [1.08]	Skin Viral [0.88]	URI [1.27]	Falls [0.99]
Cambridgeshire	Dermatitis [1.43]	Neonatal [0.92]	Asthma [1.39]	Anxiety [1.03]	Conduct [1.0]	Congenital [1.12]	Skin Viral [0.89]	URI [1.27]	ASD [1.65]	Iron [2.92]
Cen Bedfordshire	Dermatitis [1.44]	Neonatal [0.98]	Asthma [1.3]	Anxiety [1.07]	Conduct [0.97]	Congenital [1.05]	Skin Viral [0.88]	Iron [2.51]	URI [1.29]	Falls [1.02]
Essex	Dermatitis [1.44]	Neonatal [0.89]	Asthma [1.3]	Anxiety [1.08]	Conduct [0.97]	Congenital [1.08]	Skin Viral [0.88]	URI [1.3]	Iron [2.3]	Falls [1.04]
Hertfordshire	Dermatitis [1.43]	Neonatal [0.89]	Asthma [1.39]	Anxiety [1.03]	Conduct [1.0]	Iron [3.54]	Congenital [1.09]	Skin Viral [0.89]	URI [1.28]	Falls [0.92]
Luton	Dermatitis [1.43]	Neonatal [1.02]	Asthma [1.33]	Anxiety [1.06]	Conduct [0.99]	Congenital [1.09]	Skin Viral [0.87]	URI [1.28]	Iron [2.29]	Falls [1.03]
Norfolk	Dermatitis [1.44]	Asthma [1.29]	Neonatal [0.76]	Iron [2.99]	Anxiety [1.07]	Conduct [0.98]	Congenital [1.07]	Skin Viral [0.87]	URI [1.3]	Falls [1.05]
Peterborough	Dermatitis [1.44]	Asthma [1.32]	Neonatal [0.71]	Iron [2.94]	Anxiety [1.07]	Conduct [0.98]	Congenital [1.06]	Skin Viral [0.87]	URI [1.29]	Falls [1.07]
Southend-on-Sea	Dermatitis [1.44]	Neonatal [1.06]	Asthma [1.28]	Iron [2.78]	Anxiety [1.09]	Conduct [0.97]	Congenital [1.06]	Skin Viral [0.87]	URI [1.31]	Falls [1.1]
Suffolk	Dermatitis [1.44]	Neonatal [0.94]	Asthma [1.29]	Iron [3.15]	Anxiety [1.07]	Conduct [0.97]	Congenital [1.06]	Skin Viral [0.87]	URI [1.31]	Falls [1.07]
Thurrock	Dermatitis [1.45]	Neonatal [0.99]	Asthma [1.29]	Iron [2.41]	Anxiety [1.1]	Conduct [0.96]	Congenital [1.05]	Skin Viral [0.87]	URI [1.32]	Falls [1.12]
Greater London	Dermatitis [1.46]	Asthma [1.72]	Neonatal [1.05]	Iron [6.32]	Anxiety [1.02]	Conduct [1.01]	Congenital [1.15]	Skin Viral [0.91]	URI [1.24]	Falls [0.85]
Barking & Dagenham	Dermatitis [1.87]	Iron [4.98]	Neonatal [0.98]	Asthma [1.49]	Anxiety [1.09]	Conduct [0.97]	Congenital [1.05]	Skin Viral [0.86]	URI [1.31]	Falls [1.14]
Barnet	Dermatitis [1.43]	Asthma [1.63]	Neonatal [0.97]	Iron [5.0]	Anxiety [1.04]	Conduct [0.99]	Congenital [1.08]	Skin Viral [0.89]	URI [1.27]	Falls [0.92]
Bexley	Dermatitis [1.43]	Asthma [1.54]	Neonatal [0.92]	Iron [4.25]	Anxiety [1.07]	Conduct [0.97]	Congenital [1.06]	Skin Viral [0.87]	URI [1.3]	Falls [1.05]
Brent	Dermatitis [1.43]	Neonatal [1.03]	Asthma [1.6]	Iron [5.4]	Anxiety [1.04]	Conduct [0.99]	Congenital [1.06]	Skin Viral [0.88]	URI [1.26]	Falls [0.95]
Bromley	Dermatitis [1.44]	Neonatal [1.1]	Asthma [1.59]	Anxiety [1.05]	Conduct [0.98]	Congenital [1.1]	Skin Viral [0.89]	URI [1.29]	Falls [0.97]	Iron [2.14]
Camden	Dermatitis [1.46]	Asthma [1.85]	Neonatal [0.92]	Anxiety [1.0]	Iron [6.63]	Conduct [1.04]	Congenital [1.19]	Skin Viral [0.94]	URI [1.23]	Falls [0.78]
Croydon	Dermatitis [1.44]	Asthma [1.56]	Neonatal [0.98]	Iron [4.66]	Anxiety [1.06]	Conduct [0.97]	Congenital [1.08]	Skin Viral [0.88]	URI [1.29]	Falls [1.01]
Ealing	Dermatitis [1.43]	Neonatal [1.11]	Asthma [1.64]	Iron [6.63]	Anxiety [1.04]	Conduct [0.99]	Congenital [1.08]	Skin Viral [0.89]	URI [1.26]	Falls [0.92]
Enfield	Dermatitis [1.44]	Neonatal [1.03]	Asthma [1.57]	Iron [4.61]	Anxiety [1.06]	Conduct [0.98]	Congenital [1.08]	Skin Viral [0.88]	URI [1.28]	Falls [1.0]
Greenwich	Dermatitis [1.43]	Asthma [1.55]	Neonatal [0.95]	Iron [3.76]	Anxiety [1.06]	Conduct [0.98]	Congenital [1.09]	Skin Viral [0.87]	URI [1.28]	Falls [1.0]
Hackney	Dermatitis [1.45]	Asthma [1.76]	Neonatal [1.02]	Anxiety [1.03]	Iron [4.28]	Conduct [0.99]	Congenital [1.14]	Skin Viral [0.91]	URI [1.24]	Falls [0.87]
Hammersmith & Fulham	Dermatitis [1.46]	Asthma [1.83]	Neonatal [1.03]	Anxiety [1.01]	Conduct [1.03]	Congenital [1.18]	Skin Viral [0.94]	URI [1.23]	Falls [0.78]	Iron [3.1]
Haringey	Dermatitis [1.44]	Neonatal [1.08]	Asthma [1.6]	Iron [4.5]	Anxiety [1.05]	Conduct [0.98]	Congenital [1.11]	Skin Viral [0.89]	URI [1.25]	Falls [0.93]
Harrow	Dermatitis [1.44]	Neonatal [1.12]	Asthma [1.58]	Iron [5.13]	Anxiety [1.05]	Conduct [0.98]	Congenital [1.1]	Skin Viral [0.89]	URI [1.28]	Falls [0.96]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Havering	Dermatitis [1.44]	Asthma [1.54]	Neonatal [0.97]	Iron [3.14]	Anxiety [1.07]	Conduct [0.97]	Congenital [1.07]	Skin Viral [0.87]	URI [1.3]	Falls [1.06]
Hillingdon	Dermatitis [1.44]	Neonatal [1.15]	Asthma [1.71]	Iron [5.48]	Anxiety [1.03]	Conduct [1.0]	Congenital [1.12]	Skin Viral [0.9]	URI [1.24]	Falls [0.88]
Hounslow	Dermatitis [1.44]	Neonatal [1.09]	Asthma [1.68]	Iron [5.0]	Anxiety [1.03]	Conduct [1.0]	Congenital [1.11]	Skin Viral [0.9]	URI [1.24]	Falls [0.89]
Islington	Dermatitis [1.45]	Asthma [1.83]	Neonatal [0.89]	Anxiety [1.01]	Conduct [1.03]	Congenital [1.19]	Skin Viral [0.94]	URI [1.22]	Iron [4.37]	Falls [0.8]
Kensington & Chelsea	Dermatitis [1.45]	Asthma [1.85]	Neonatal [0.89]	Iron [8.37]	Anxiety [0.99]	Conduct [1.05]	Congenital [1.18]	Skin Viral [0.94]	URI [1.23]	Falls [0.78]
Kingston upon Thames	Dermatitis [1.44]	Neonatal [1.09]	Asthma [1.71]	Anxiety [1.02]	Conduct [1.0]	Congenital [1.16]	Iron [4.1]	Skin Viral [0.91]	URI [1.26]	Falls [0.86]
Lambeth	Dermatitis [1.44]	Asthma [1.73]	Iron [7.47]	Neonatal [0.75]	Anxiety [1.02]	Conduct [1.01]	Congenital [1.17]	Skin Viral [0.92]	URI [1.23]	Falls [0.83]
Lewisham	Dermatitis [1.43]	Neonatal [1.18]	Asthma [1.58]	Iron [3.96]	Anxiety [1.06]	Conduct [0.98]	Congenital [1.1]	Skin Viral [0.88]	URI [1.28]	Falls [0.97]
Merton	Dermatitis [1.43]	Neonatal [1.04]	Asthma [1.67]	Iron [5.71]	Anxiety [1.03]	Conduct [0.99]	Congenital [1.12]	Skin Viral [0.9]	URI [1.26]	Falls [0.89]
Newham	Dermatitis [1.44]	Neonatal [1.06]	Asthma [1.58]	Anxiety [1.06]	Iron [3.29]	Conduct [0.98]	Congenital [1.08]	Skin Viral [0.88]	URI [1.27]	Falls [0.98]
Redbridge	Dermatitis [1.44]	Asthma [1.55]	Neonatal [0.98]	Iron [4.4]	Anxiety [1.06]	Congenital [1.15]	Conduct [0.98]	Skin Viral [0.87]	URI [1.29]	Falls [1.03]
Richmond upon Thames	Dermatitis [1.44]	Neonatal [1.15]	Asthma [1.73]	Iron [6.01]	Anxiety [1.02]	Conduct [1.01]	Congenital [1.17]	Skin Viral [0.91]	URI [1.25]	Falls [0.84]
Southwark	Dermatitis [1.45]	Asthma [1.79]	Neonatal [0.77]	Anxiety [1.01]	Iron [5.39]	Conduct [1.02]	Congenital [1.19]	Skin Viral [0.92]	URI [1.23]	Falls [0.83]
Sutton	Dermatitis [1.43]	Neonatal [1.25]	Asthma [1.59]	Iron [4.31]	Anxiety [1.05]	Conduct [0.98]	Congenital [1.09]	Skin Viral [0.88]	URI [1.28]	Falls [0.99]
Tower Hamlets	Dermatitis [1.45]	Neonatal [1.13]	Asthma [1.79]	Anxiety [1.01]	Iron [5.16]	Conduct [1.01]	Congenital [1.17]	Skin Viral [0.92]	URI [1.23]	Falls [0.83]
Waltham Forest	Dermatitis [1.44]	Neonatal [0.99]	Asthma [1.51]	Iron [4.15]	Anxiety [1.07]	Conduct [0.97]	Congenital [1.08]	Skin Viral [0.87]	URI [1.28]	Falls [1.05]
Wandsworth	Dermatitis [1.45]	Asthma [1.75]	Neonatal [0.92]	Anxiety [1.01]	Iron [5.41]	Conduct [1.02]	Congenital [1.19]	Skin Viral [0.93]	URI [1.24]	Falls [0.81]
Westminster	Dermatitis [1.46]	Asthma [1.87]	Neonatal [0.83]	Iron [6.92]	Anxiety [1.0]	Conduct [1.04]	Congenital [1.18]	Skin Viral [0.94]	URI [1.22]	Falls [0.79]
NE England	Dermatitis [1.55]	Iron [4.59]	Neonatal [0.88]	Asthma [1.3]	Congenital [1.35]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [1.06]
County Durham	Dermatitis [1.72]	Iron [4.73]	Neonatal [0.95]	Asthma [1.3]	Congenital [1.34]	Anxiety [1.09]	Conduct [0.96]	Skin Viral [0.87]	URI [1.31]	Falls [1.1]
Darlington	Dermatitis [1.43]	Iron [5.15]	Neonatal [0.86]	Asthma [1.33]	Congenital [1.36]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.87]	URI [1.3]	Falls [1.04]
Gateshead	Dermatitis [1.69]	Iron [5.85]	Neonatal [0.98]	Asthma [1.32]	Congenital [1.36]	Anxiety [1.07]	Conduct [0.96]	Skin Viral [0.87]	URI [1.29]	Falls [1.05]
Hartlepool	Dermatitis [1.45]	Neonatal [1.0]	Asthma [1.29]	Iron [2.77]	Congenital [1.33]	Anxiety [1.1]	Conduct [0.97]	Skin Viral [0.86]	URI [1.32]	Falls [1.14]
Middlesbrough	Dermatitis [1.44]	Asthma [1.31]	Neonatal [0.77]	Iron [3.06]	Congenital [1.35]	Anxiety [1.09]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [1.09]
Newcastle upon Tyne	Dermatitis [1.43]	Asthma [1.43]	Neonatal [0.84]	Iron [5.02]	Congenital [1.42]	Anxiety [1.03]	Conduct [1.0]	Skin Viral [0.89]	URI [1.26]	Falls [0.91]
N Tyneside	Dermatitis [1.43]	Iron [4.64]	Asthma [1.32]	Neonatal [0.82]	Congenital [1.36]	Anxiety [1.07]	Conduct [0.98]	Skin Viral [0.87]	URI [1.29]	Falls [1.06]
Northumberland	Dermatitis [1.44]	Neonatal [0.85]	Asthma [1.3]	Iron [3.64]	Congenital [1.36]	Anxiety [1.08]	Conduct [0.98]	Skin Viral [0.86]	URI [1.31]	Falls [1.11]
Redcar & Cleveland	Dermatitis [1.45]	Iron [3.71]	Asthma [1.28]	Neonatal [0.8]	Congenital [1.33]	Anxiety [1.1]	Conduct [0.98]	Skin Viral [0.86]	URI [1.33]	Falls [1.18]
S Tyneside	Dermatitis [1.73]	Iron [3.29]	Neonatal [0.84]	Asthma [1.27]	Congenital [1.33]	Anxiety [1.1]	Conduct [0.96]	Skin Viral [0.87]	URI [1.33]	Falls [1.16]
Stockton-on-Tees	Dermatitis [1.44]	Neonatal [1.07]	Iron [4.7]	Asthma [1.34]	Congenital [1.35]	Anxiety [1.08]	Conduct [0.97]	Skin Viral [0.87]	URI [1.29]	Falls [1.05]
Sunderland	Dermatitis [1.71]	Iron [4.99]	Neonatal [0.75]	Asthma [1.15]	Congenital [1.35]	Anxiety [1.08]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [1.08]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
NW England	Dermatitis [1.44]	Neonatal [1.09]	Asthma [1.34]	Iron [3.3]	Anxiety [1.06]	Congenital [1.29]	Conduct [0.98]	Skin Viral [0.88]	URI [1.28]	Falls [1.02]
Blackburn with Darwen	Dermatitis [1.45]	Neonatal [1.07]	Asthma [1.29]	Iron [2.41]	Anxiety [1.1]	Congenital [1.21]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [1.13]
Blackpool	Dermatitis [1.46]	Neonatal [1.03]	Asthma [1.28]	Iron [2.14]	Anxiety [1.12]	Congenital [1.21]	Conduct [0.97]	Skin Viral [0.87]	URI [1.33]	Falls [1.24]
Bolton	Dermatitis [1.44]	Neonatal [1.02]	Asthma [1.28]	Iron [2.58]	Anxiety [1.09]	Congenital [1.22]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [1.11]
Bury	Dermatitis [1.44]	Neonatal [0.98]	Asthma [1.29]	Iron [3.34]	Anxiety [1.07]	Congenital [1.24]	Conduct [0.98]	Skin Viral [0.87]	URI [1.29]	Falls [1.08]
Cheshire E	Dermatitis [1.43]	Neonatal [1.35]	Asthma [1.41]	Congenital [1.42]	Anxiety [1.03]	Conduct [1.0]	Skin Viral [0.89]	URI [1.27]	Iron [3.15]	Falls [0.93]
Cheshire W & Chester	Dermatitis [1.44]	Neonatal [1.11]	Asthma [1.37]	Congenital [1.41]	Anxiety [1.05]	Iron [3.29]	Conduct [0.99]	Skin Viral [0.89]	URI [1.27]	Falls [0.96]
Cumbria	Dermatitis [1.43]	Neonatal [1.08]	Asthma [1.32]	Iron [3.23]	Anxiety [1.07]	Congenital [1.24]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [1.04]
Halton	Dermatitis [1.44]	Neonatal [1.11]	Asthma [1.33]	Iron [3.56]	Anxiety [1.08]	Congenital [1.23]	Conduct [0.97]	Skin Viral [0.87]	URI [1.28]	Falls [1.04]
Knowsley	Dermatitis [1.44]	Neonatal [1.05]	Asthma [1.31]	Iron [3.6]	Congenital [1.35]	Anxiety [1.08]	Conduct [0.97]	Skin Viral [0.87]	URI [1.29]	Falls [1.08]
Lancashire	Dermatitis [1.43]	Neonatal [1.05]	Asthma [1.32]	Iron [3.21]	Anxiety [1.07]	Congenital [1.24]	Conduct [0.98]	Skin Viral [0.87]	URI [1.29]	Falls [1.04]
Liverpool	Dermatitis [1.44]	Neonatal [1.19]	Asthma [1.36]	Congenital [1.42]	Anxiety [0.97]	Conduct [0.98]	Skin Viral [0.88]	URI [1.27]	Iron [2.39]	Falls [0.98]
Manchester	Dermatitis [1.44]	Neonatal [1.2]	Asthma [1.47]	Anxiety [1.02]	Congenital [1.32]	Conduct [1.0]	Skin Viral [0.91]	URI [1.24]	Iron [3.07]	Falls [0.88]
Oldham	Dermatitis [1.45]	Asthma [1.31]	Neonatal [0.8]	Iron [2.06]	Anxiety [1.12]	Congenital [1.22]	Conduct [0.96]	Skin Viral [0.87]	URI [1.32]	Falls [1.18]
Rochdale	Dermatitis [1.44]	Iron [3.26]	Asthma [1.29]	Neonatal [0.83]	Anxiety [1.1]	Congenital [1.21]	Conduct [0.97]	Skin Viral [0.86]	URI [1.32]	Falls [1.15]
Salford	Dermatitis [1.44]	Neonatal [1.22]	Asthma [1.36]	Anxiety [1.06]	Congenital [1.26]	Conduct [0.98]	Skin Viral [0.88]	URI [1.27]	Iron [2.18]	Falls [1.0]
Sefton	Dermatitis [1.44]	Neonatal [1.08]	Asthma [1.29]	Iron [3.1]	Congenital [1.36]	Anxiety [1.08]	Conduct [0.97]	Skin Viral [0.86]	URI [1.31]	Falls [1.12]
St Helens	Dermatitis [1.44]	Neonatal [1.09]	Asthma [1.28]	Iron [2.86]	Congenital [1.34]	Anxiety [1.09]	Conduct [0.96]	Skin Viral [0.87]	URI [1.31]	Falls [1.12]
Stockport	Dermatitis [1.43]	Neonatal [0.92]	Asthma [1.34]	Iron [3.93]	Anxiety [1.05]	Congenital [1.28]	Conduct [0.99]	Skin Viral [0.88]	URI [1.29]	Falls [1.0]
Tameside	Dermatitis [1.44]	Neonatal [0.89]	Asthma [1.28]	Iron [2.32]	Anxiety [1.1]	Congenital [1.21]	Conduct [0.97]	Skin Viral [0.87]	URI [1.32]	Falls [1.15]
Trafford	Dermatitis [1.44]	Neonatal [1.21]	Asthma [1.42]	Iron [4.83]	Anxiety [1.03]	Congenital [1.29]	Conduct [1.0]	Skin Viral [0.9]	URI [1.25]	Falls [0.9]
Warrington	Dermatitis [1.43]	Neonatal [1.28]	Asthma [1.39]	Iron [5.78]	Anxiety [1.04]	Congenital [1.28]	Conduct [0.99]	Skin Viral [0.89]	URI [1.26]	Falls [0.94]
Wigan	Dermatitis [1.44]	Neonatal [1.08]	Asthma [1.28]	Iron [2.34]	Anxiety [1.09]	Congenital [1.22]	Conduct [0.97]	Skin Viral [0.86]	URI [1.33]	Falls [1.14]
Wirral	Dermatitis [1.44]	Neonatal [1.21]	Asthma [1.28]	Congenital [1.36]	Anxiety [1.09]	Iron [1.98]	Conduct [0.97]	Skin Viral [0.87]	URI [1.31]	Falls [1.11]
SE England	Dermatitis [1.57]	Neonatal [1.02]	Asthma [1.47]	Anxiety [1.05]	Iron [3.57]	Congenital [1.16]	Conduct [0.99]	Skin Viral [0.89]	URI [1.28]	Falls [0.96]
Bracknell Forest	Dermatitis [1.43]	Asthma [1.37]	Neonatal [0.8]	Anxiety [1.04]	Congenital [1.17]	Conduct [1.0]	Skin Viral [0.9]	URI [1.27]	Falls [0.92]	Iron [2.17]
Brighton & Hove	Dermatitis [1.7]	Neonatal [1.12]	Asthma [1.41]	Iron [5.15]	Anxiety [1.03]	Congenital [1.21]	Conduct [1.0]	Skin Viral [0.91]	URI [1.24]	Falls [0.88]
Buckinghamshire	Dermatitis [1.43]	Neonatal [1.15]	Asthma [1.34]	Anxiety [1.04]	Iron [3.68]	Congenital [1.17]	Conduct [0.99]	Skin Viral [0.89]	URI [1.27]	Epilepsy [1.74]
E Sussex	Dermatitis [1.67]	Neonatal [1.06]	Asthma [1.22]	Iron [2.83]	Anxiety [1.08]	Congenital [1.13]	Conduct [0.98]	Skin Viral [0.86]	URI [1.31]	Falls [1.08]
Hampshire	Dermatitis [1.43]	Asthma [2.08]	Neonatal [0.99]	Iron [3.84]	Anxiety [1.05]	Congenital [1.15]	Conduct [0.98]	Skin Viral [0.88]	URI [1.29]	Falls [0.98]
Isle of Wight	Dermatitis [1.41]	Asthma [1.98]	Neonatal [0.92]	Iron [3.33]	Anxiety [1.08]	Congenital [1.1]	Conduct [0.97]	Skin Viral [0.87]	URI [1.3]	Falls [1.08]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Kent	Dermatitis [1.67]	Neonatal [0.98]	Asthma [1.26]	Anxiety [1.07]	Iron [2.67]	Congenital [1.13]	Conduct [0.98]	Skin Viral [0.87]	URI [1.3]	ASD [1.55]
Medway	Dermatitis [1.44]	Neonatal [1.03]	Asthma [1.25]	Iron [2.98]	Anxiety [1.09]	Congenital [1.1]	Conduct [0.96]	Skin Viral [0.87]	URI [1.31]	Falls [1.1]
Milton Keynes	Dermatitis [1.43]	Neonatal [0.88]	Asthma [1.37]	Anxiety [1.04]	Congenital [1.16]	Conduct [0.99]	Skin Viral [0.89]	URI [1.26]	Iron [2.87]	Falls [0.96]
Oxfordshire	Dermatitis [1.87]	Neonatal [0.94]	Asthma [1.39]	Iron [5.55]	Anxiety [1.03]	Congenital [1.18]	Conduct [0.99]	Skin Viral [0.9]	URI [1.26]	Falls [0.89]
Portsmouth	Dermatitis [1.44]	Neonatal [0.97]	Asthma [1.34]	Iron [4.95]	Anxiety [1.05]	Conduct [0.99]	Congenital [1.13]	Skin Viral [0.89]	URI [1.26]	Falls [0.95]
Reading	Dermatitis [1.87]	Neonatal [1.22]	Asthma [1.46]	Anxiety [1.02]	Congenital [1.21]	Conduct [1.01]	Skin Viral [0.91]	URI [1.23]	Iron [3.78]	Falls [0.85]
Slough	Dermatitis [1.43]	Neonatal [1.06]	Asthma [1.4]	Anxiety [1.05]	Congenital [1.15]	Conduct [0.99]	Skin Viral [0.89]	URI [1.26]	Iron [2.41]	Falls [0.94]
Southampton	Dermatitis [1.43]	Neonatal [0.96]	Asthma [1.34]	Iron [4.07]	Anxiety [1.04]	Congenital [1.15]	Conduct [0.99]	Skin Viral [0.89]	URI [1.27]	Falls [0.94]
Surrey	Dermatitis [1.66]	Neonatal [1.11]	Asthma [1.4]	Anxiety [1.02]	Congenital [1.2]	Conduct [1.0]	Skin Viral [0.91]	URI [1.26]	Falls [0.88]	Iron [2.81]
West Berkshire	Dermatitis [1.43]	Neonatal [0.93]	Asthma [1.38]	Anxiety [1.04]	Congenital [1.17]	Iron [3.72]	Conduct [1.0]	Skin Viral [0.89]	URI [1.26]	Falls [0.93]
W Sussex	Dermatitis [1.48]	Neonatal [1.02]	Asthma [1.52]	Iron [4.18]	Anxiety [1.05]	Congenital [1.15]	Conduct [0.99]	Skin Viral [0.88]	URI [1.29]	Falls [0.99]
Windsor & Maidenhead	Dermatitis [1.44]	Neonatal [0.97]	Asthma [1.43]	Anxiety [1.02]	Congenital [1.21]	Conduct [1.02]	Skin Viral [0.9]	URI [1.25]	Iron [3.45]	Falls [0.87]
Wokingham	Dermatitis [1.44]	Neonatal [1.0]	Asthma [1.4]	Anxiety [1.02]	Iron [4.25]	Congenital [1.21]	Conduct [1.01]	Skin Viral [0.91]	URI [1.27]	Falls [0.89]
SW England	Dermatitis [1.43]	Neonatal [1.05]	Iron [5.7]	Asthma [1.3]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.88]	Congenital [1.03]	URI [1.29]	Falls [1.0]
Bath & NE Somerset	Dermatitis [1.43]	Neonatal [1.41]	Iron [8.02]	Asthma [1.37]	Anxiety [1.03]	Conduct [1.0]	Skin Viral [0.89]	Congenital [1.06]	URI [1.26]	Falls [0.9]
Bournemouth	Dermatitis [1.44]	Iron [7.82]	Neonatal [1.04]	Asthma [1.34]	Anxiety [1.05]	Conduct [0.98]	Skin Viral [0.89]	Congenital [1.05]	URI [1.27]	Falls [0.94]
Bristol	Dermatitis [1.44]	Neonatal [1.22]	Iron [8.25]	Asthma [1.42]	Anxiety [1.03]	Conduct [1.0]	Skin Viral [0.9]	Congenital [1.08]	URI [1.25]	Falls [0.87]
Cornwall	Dermatitis [1.44]	Iron [6.67]	Neonatal [1.03]	Asthma [1.26]	Anxiety [1.08]	Conduct [0.97]	Congenital [1.02]	Skin Viral [0.87]	URI [1.3]	Falls [1.09]
Devon	Dermatitis [1.43]	Neonatal [0.95]	Asthma [1.28]	Iron [4.2]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.87]	Congenital [1.03]	URI [1.29]	Falls [1.03]
Dorset	Dermatitis [1.44]	Iron [5.78]	Neonatal [1.01]	Asthma [1.28]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.87]	Congenital [1.02]	URI [1.29]	Falls [1.05]
Gloucestershire	Dermatitis [1.43]	Neonatal [0.97]	Asthma [1.33]	Iron [3.94]	Anxiety [1.06]	Conduct [0.98]	Skin Viral [0.88]	Congenital [1.04]	URI [1.28]	Falls [0.97]
N Somerset	Dermatitis [1.43]	Neonatal [1.13]	Iron [6.29]	Asthma [1.29]	Anxiety [1.06]	Conduct [0.98]	Congenital [1.03]	Skin Viral [0.87]	URI [1.29]	Falls [1.02]
Plymouth	Dermatitis [1.44]	Neonatal [1.04]	Asthma [1.29]	Iron [4.17]	Anxiety [1.06]	Conduct [0.97]	Skin Viral [0.88]	Congenital [1.02]	URI [1.28]	Falls [1.01]
Poole	Dermatitis [1.43]	Neonatal [1.03]	Iron [5.41]	Asthma [1.31]	Anxiety [1.05]	Conduct [0.99]	Skin Viral [0.87]	Congenital [1.03]	URI [1.29]	Falls [1.0]
Somerset	Dermatitis [1.44]	Neonatal [1.09]	Asthma [1.26]	Anxiety [1.09]	Iron [2.52]	Conduct [0.97]	Skin Viral [0.87]	Congenital [1.02]	URI [1.31]	Falls [1.09]
S Gloucestershire	Dermatitis [1.44]	Neonatal [1.1]	Asthma [1.36]	Iron [5.57]	Anxiety [1.04]	Conduct [0.99]	Skin Viral [0.89]	Congenital [1.05]	URI [1.27]	Falls [0.92]
Swindon	Dermatitis [1.43]	Iron [8.33]	Asthma [1.34]	Neonatal [0.75]	Anxiety [1.05]	Conduct [0.98]	Skin Viral [0.88]	Congenital [1.02]	URI [1.27]	Falls [0.98]
Torbay	Dermatitis [1.45]	Neonatal [0.85]	Iron [2.96]	Asthma [1.24]	Anxiety [1.11]	Conduct [0.97]	Skin Viral [0.87]	Congenital [1.0]	URI [1.34]	Falls [1.19]
Wiltshire	Dermatitis [1.43]	Iron [7.49]	Neonatal [1.2]	Asthma [1.28]	Anxiety [1.07]	Conduct [0.97]	Skin Viral [0.87]	Congenital [1.02]	URI [1.29]	Falls [1.03]
W Midlands	Dermatitis [1.44]	Neonatal [0.98]	Asthma [1.3]	Iron [3.62]	Anxiety [1.07]	Conduct [0.98]	Congenital [1.1]	Skin Viral [0.87]	URI [1.29]	Falls [1.06]
Birmingham	Dermatitis [1.44]	Neonatal [0.96]	Asthma [1.32]	Iron [3.55]	Anxiety [1.06]	Conduct [0.98]	Congenital [1.12]	Skin Viral [0.88]	URI [1.28]	Falls [1.04]

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Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Coventry	Dermatitis [1.44]	Neonatal [0.93]	Asthma [1.35]	Anxiety [1.05]	Iron [3.23]	Conduct [0.98]	Congenital [1.12]	Skin Viral [0.88]	URI [1.26]	Falls [0.97]
Dudley	Dermatitis [1.45]	Neonatal [1.07]	Asthma [1.27]	Iron [2.44]	Anxiety [1.1]	Congenital [1.08]	Conduct [0.96]	Skin Viral [0.87]	URI [1.31]	Falls [1.15]
Herefordshire	Dermatitis [1.43]	Neonatal [1.01]	Asthma [1.3]	Iron [3.93]	Anxiety [1.07]	Conduct [0.98]	Congenital [1.1]	Skin Viral [0.87]	URI [1.29]	Falls [1.03]
Sandwell	Dermatitis [1.45]	Neonatal [1.06]	Asthma [1.28]	Iron [2.69]	Anxiety [1.1]	Conduct [0.97]	Congenital [1.07]	Skin Viral [0.86]	URI [1.31]	Falls [1.18]
Shropshire	Dermatitis [1.44]	Neonatal [0.98]	Asthma [1.29]	Anxiety [1.07]	Iron [2.82]	Conduct [0.97]	Congenital [1.1]	Skin Viral [0.87]	URI [1.29]	Falls [1.03]
Solihull	Dermatitis [1.43]	Asthma [1.35]	Neonatal [0.72]	Iron [3.96]	Anxiety [1.05]	Conduct [0.99]	Congenital [1.12]	Skin Viral [0.89]	URI [1.27]	Falls [0.98]
Staffordshire	Dermatitis [1.44]	Neonatal [0.95]	Iron [4.87]	Asthma [1.28]	Anxiety [1.07]	Conduct [0.98]	Congenital [1.1]	Skin Viral [0.87]	URI [1.3]	Falls [1.09]
Stoke-on-Trent	Dermatitis [1.45]	Neonatal [1.17]	Asthma [1.26]	Iron [2.63]	Anxiety [1.09]	Conduct [0.96]	Congenital [1.08]	Skin Viral [0.87]	URI [1.3]	Falls [1.18]
Telford & Wrekin	Dermatitis [1.44]	Neonatal [0.99]	Asthma [1.29]	Anxiety [1.08]	Iron [2.59]	Conduct [0.96]	Congenital [1.08]	Skin Viral [0.87]	URI [1.29]	Falls [1.07]
Walsall	Dermatitis [1.45]	Neonatal [0.98]	Asthma [1.27]	Iron [2.26]	Anxiety [1.1]	Conduct [0.97]	Congenital [1.07]	Skin Viral [0.86]	URI [1.32]	Falls [1.2]
Warwickshire	Dermatitis [1.44]	Neonatal [1.0]	Asthma [1.35]	Iron [4.97]	Anxiety [1.05]	Conduct [0.99]	Congenital [1.13]	Skin Viral [0.89]	URI [1.28]	Falls [0.97]
Wolverhampton	Dermatitis [1.44]	Asthma [1.27]	Neonatal [0.72]	Iron [2.44]	Anxiety [1.09]	Conduct [0.97]	Congenital [1.08]	Skin Viral [0.87]	URI [1.3]	Falls [1.11]
Worcestershire	Dermatitis [1.44]	Neonatal [1.1]	Asthma [1.3]	Iron [3.6]	Anxiety [1.07]	Conduct [0.98]	Congenital [1.11]	Skin Viral [0.88]	URI [1.29]	Falls [1.04]
Yorkshire & Humber	Dermatitis [1.44]	Neonatal [0.92]	Asthma [1.33]	Iron [3.62]	Anxiety [1.07]	Conduct [0.97]	Congenital [1.1]	Skin Viral [0.87]	URI [1.29]	Falls [1.03]
Barnsley	Dermatitis [1.45]	Neonatal [0.97]	Asthma [1.28]	Iron [2.31]	Anxiety [1.12]	Conduct [0.97]	Congenital [1.06]	Skin Viral [0.87]	URI [1.34]	Falls [1.19]
Bradford	Dermatitis [1.44]	Neonatal [1.02]	Asthma [1.29]	Iron [2.89]	Anxiety [1.1]	Conduct [0.97]	Congenital [1.09]	Skin Viral [0.87]	URI [1.3]	Falls [1.11]
Calderdale	Dermatitis [1.44]	Neonatal [0.89]	Asthma [1.32]	Anxiety [1.08]	Conduct [0.96]	Congenital [1.09]	Skin Viral [0.88]	URI [1.29]	Iron [2.18]	Falls [1.04]
Doncaster	Dermatitis [1.45]	Neonatal [1.19]	Asthma [1.29]	Anxiety [1.11]	Iron [1.8]	Congenital [1.08]	Conduct [0.96]	Skin Viral [0.87]	URI [1.33]	Falls [1.18]
E Riding of Yorkshire	Dermatitis [1.44]	Neonatal [0.91]	Asthma [1.3]	Iron [3.21]	Anxiety [1.08]	Conduct [0.98]	Congenital [1.1]	Skin Viral [0.87]	URI [1.3]	Falls [1.07]
Kingston upon Hull	Dermatitis [1.44]	Asthma [1.33]	Neonatal [0.84]	Anxiety [1.08]	Conduct [0.97]	Congenital [1.09]	Iron [2.16]	Skin Viral [0.87]	URI [1.3]	Falls [1.08]
Kirklees	Dermatitis [1.44]	Neonatal [0.86]	Asthma [1.3]	Iron [3.18]	Anxiety [1.08]	Congenital [1.1]	Conduct [0.97]	Skin Viral [0.87]	URI [1.29]	Falls [1.08]
Leeds	Dermatitis [1.43]	Asthma [1.41]	Neonatal [0.84]	Iron [5.7]	Anxiety [1.03]	Congenital [1.15]	Conduct [0.99]	Skin Viral [0.9]	URI [1.26]	Falls [0.91]
NE Lincolnshire	Dermatitis [1.44]	Neonatal [0.88]	Asthma [1.31]	Iron [3.3]	Anxiety [1.1]	Conduct [0.97]	Congenital [1.08]	Skin Viral [0.87]	URI [1.31]	Falls [1.11]
N Lincolnshire	Dermatitis [1.44]	Asthma [1.31]	Neonatal [0.82]	Iron [3.44]	Anxiety [1.09]	Conduct [0.97]	Congenital [1.08]	Skin Viral [0.87]	URI [1.3]	Falls [1.09]
N Yorkshire	Dermatitis [1.43]	Neonatal [1.05]	Asthma [1.32]	Iron [3.75]	Anxiety [1.06]	Conduct [0.98]	Congenital [1.11]	Skin Viral [0.88]	URI [1.28]	Falls [1.0]
Rotherham	Dermatitis [1.44]	Asthma [1.29]	Neonatal [0.83]	Iron [2.29]	Anxiety [1.1]	Conduct [0.97]	Congenital [1.08]	Skin Viral [0.86]	URI [1.32]	Falls [1.15]
Sheffield	Dermatitis [1.44]	Neonatal [0.97]	Asthma [1.36]	Iron [4.14]	Anxiety [1.05]	Conduct [0.98]	Congenital [1.13]	Skin Viral [0.89]	URI [1.28]	Falls [0.95]
Wakefield	Dermatitis [1.44]	Asthma [1.31]	Iron [3.62]	Neonatal [0.73]	Anxiety [1.09]	Conduct [0.97]	Congenital [1.08]	Skin Viral [0.86]	URI [1.31]	Falls [1.12]
York	Dermatitis [1.44]	Asthma [1.43]	Neonatal [0.86]	Anxiety [1.03]	Conduct [0.99]	Congenital [1.16]	Iron [3.89]	Skin Viral [0.9]	URI [1.26]	Falls [0.89]
N Ireland	Dermatitis [1.19]	Anxiety [1.71]	Neonatal [0.84]	Asthma [1.13]	Skin Viral [0.94]	Congenital [1.02]	Conduct [0.88]	URI [1.27]	Falls [0.98]	Headaches [0.97]
Scotland	Dermatitis [1.29]	Iron [3.4]	Asthma [1.22]	Neonatal [0.79]	Anxiety [1.17]	Congenital [1.19]	Skin Viral [0.93]	Conduct [0.95]	Vit A [1.78]	URI [1.3]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Wales	Dermatitis [1.2]	Neonatal [0.81]	Iron [3.27]	Asthma [1.16]	Anxiety [1.19]	Skin Viral [1.01]	Conduct [0.95]	Congenital [1.03]	URI [1.31]	Falls [1.22]
Latin America and Caribbean	Neonatal [1.15]	Asthma [1.34]	Dermatitis [0.9]	Vit A [0.94]	Iron [0.72]	Diarrhea [1.37]	Epilepsy [1.23]	Skin Viral [0.82]	Headaches [1.36]	Conduct [0.79]
Andean Latin America	Asthma [1.71]	Dermatitis [1.48]	Iron [1.31]	Neonatal [1.09]	Vit A [0.77]	Headaches [1.46]	Diarrhea [1.18]	Skin Viral [0.83]	Conduct [0.78]	Epilepsy [1.08]
Bolivia	Iron [1.64]	Asthma [1.94]	Dermatitis [1.58]	Neonatal [1.07]	Vit A [0.63]	Diarrhea [1.38]	Headaches [1.53]	Skin Viral [0.86]	Conduct [0.8]	Anxiety [0.94]
Ecuador	Asthma [1.57]	Neonatal [1.12]	Dermatitis [1.3]	Headaches [1.73]	Diarrhea [1.46]	Epilepsy [1.3]	Skin Viral [0.83]	Conduct [0.78]	Anxiety [0.88]	Congenital [0.71]
Peru	Iron [1.63]	Dermatitis [1.54]	Asthma [1.7]	Neonatal [1.1]	Vit A [1.0]	Skin Viral [0.82]	Headaches [1.31]	Conduct [0.78]	Anxiety [0.87]	Epilepsy [1.03]
Caribbean	Iron [1.84]	Asthma [1.79]	Dermatitis [1.15]	Neonatal [0.93]	Vit A [1.02]	Skin Viral [0.82]	Diarrhea [1.19]	Anxiety [0.96]	Headaches [1.3]	Conduct [0.7]
Antigua	Iron [4.36]	Asthma [2.02]	Dermatitis [1.08]	Neonatal [0.96]	Vit A [0.97]	Skin Viral [0.8]	Anxiety [0.88]	Headaches [1.3]	Diarrhea [1.27]	Conduct [0.68]
Bahamas	Asthma [2.15]	Dermatitis [1.07]	Neonatal [0.96]	Iron [1.35]	Skin Viral [0.8]	Anxiety [0.85]	Headaches [1.32]	Diarrhea [1.48]	Conduct [0.68]	Epilepsy [1.21]
Barbados	Asthma [1.88]	Neonatal [1.04]	Dermatitis [1.05]	Iron [1.04]	Skin Viral [0.8]	Anxiety [0.86]	Headaches [1.31]	Vit A [0.7]	Conduct [0.69]	Diarrhea [1.28]
Belize	Iron [1.58]	Asthma [1.96]	Neonatal [1.02]	Dermatitis [1.21]	Vit A [0.48]	Skin Viral [0.85]	Anxiety [1.03]	Headaches [1.33]	Conduct [0.71]	Diarrhea [0.89]
Bermuda	Asthma [2.58]	Dermatitis [1.03]	Neonatal [0.98]	Skin Viral [0.79]	Anxiety [0.79]	Iron [1.57]	Headaches [1.33]	Diarrhea [1.76]	Conduct [0.68]	Vit A [1.26]
Cuba	Asthma [2.06]	Dermatitis [1.11]	Neonatal [0.92]	Iron [1.31]	Skin Viral [0.81]	Anxiety [0.91]	Headaches [1.3]	Conduct [0.69]	Congenital [0.67]	Urticaria [1.01]
Dominica	Iron [2.17]	Asthma [1.89]	Neonatal [1.1]	Dermatitis [1.11]	Vit A [0.78]	Skin Viral [0.8]	Anxiety [0.92]	Epilepsy [1.26]	Headaches [1.3]	Diarrhea [1.14]
Dominican Rep	Iron [1.37]	Asthma [1.4]	Neonatal [1.03]	Dermatitis [1.21]	Vit A [0.61]	Diarrhea [1.35]	Skin Viral [0.85]	Anxiety [1.03]	Headaches [1.33]	Conduct [0.72]
Grenada	Asthma [1.65]	Neonatal [1.06]	Dermatitis [1.15]	Iron [0.96]	Vit A [0.96]	Diarrhea [1.54]	Skin Viral [0.82]	Anxiety [0.97]	Headaches [1.31]	Conduct [0.7]
Guyana	Iron [1.41]	Asthma [1.81]	Neonatal [1.1]	Dermatitis [1.22]	Vit A [0.69]	Skin Viral [0.86]	Anxiety [1.05]	Headaches [1.35]	Epilepsy [0.93]	Conduct [0.72]
Haiti	Iron [1.22]	Vit A [0.74]	Asthma [1.78]	Dermatitis [1.2]	Neonatal [1.08]	Disaster [963.73]	Diarrhea [1.05]	Skin Viral [0.87]	Anxiety [1.09]	Headaches [1.52]
Jamaica	Asthma [1.97]	Neonatal [1.02]	Dermatitis [1.12]	Iron [0.99]	Vit A [0.89]	Skin Viral [0.81]	Anxiety [0.93]	Headaches [1.3]	Epilepsy [1.17]	Conduct [0.69]
Puerto Rico	Asthma [3.13]	Neonatal [1.04]	Dermatitis [1.03]	Iron [2.02]	Vit A [1.84]	Skin Viral [0.79]	Anxiety [0.78]	Headaches [1.32]	Diarrhea [1.76]	Conduct [0.69]
St Lucia	Asthma [1.91]	Neonatal [1.08]	Dermatitis [1.14]	Iron [0.88]	Diarrhea [1.39]	Vit A [0.61]	Skin Viral [0.81]	Anxiety [0.95]	Headaches [1.31]	Conduct [0.69]
St Vincent	Iron [1.79]	Asthma [1.85]	Neonatal [1.03]	Dermatitis [1.19]	Vit A [0.67]	Skin Viral [0.84]	Anxiety [1.02]	Headaches [1.32]	Diarrhea [0.94]	Epilepsy [0.95]
Suriname	Asthma [2.0]	Iron [1.55]	Neonatal [1.02]	Dermatitis [1.15]	Vit A [0.84]	Skin Viral [0.82]	Anxiety [0.97]	Headaches [1.3]	Epilepsy [1.03]	Conduct [0.7]
Trinidad Tobago	Asthma [2.13]	Neonatal [1.04]	Dermatitis [1.1]	Skin Viral [0.8]	Anxiety [0.9]	Headaches [1.3]	Vit A [0.62]	Iron [0.55]	Conduct [0.69]	Epilepsy [1.06]
Virgin Isl US	Asthma [2.29]	Neonatal [1.0]	Dermatitis [1.03]	Iron [2.2]	Diarrhea [2.15]	Skin Viral [0.79]	Anxiety [0.79]	Headaches [1.33]	Conduct [0.69]	Epilepsy [1.31]
Central Latin America	Neonatal [1.37]	Asthma [0.93]	Dermatitis [0.81]	Vit A [0.69]	Diarrhea [1.53]	Epilepsy [1.54]	Conduct [0.85]	Skin Viral [0.83]	Iron [0.38]	Congenital [0.73]
Colombia	Neonatal [1.37]	Dermatitis [0.89]	Asthma [0.95]	Diarrhea [1.81]	Epilepsy [1.57]	Skin Viral [0.83]	Conduct [0.81]	Headaches [1.22]	URI [1.26]	Vit A [0.41]
Costa Rica	Neonatal [1.27]	Asthma [1.36]	Dermatitis [0.83]	Diarrhea [2.07]	Epilepsy [1.45]	Skin Viral [0.82]	Conduct [0.81]	Vit A [0.48]	Headaches [1.15]	Congenital [0.67]
El Salvador	Neonatal [1.39]	Iron [1.16]	Vit A [1.07]	Asthma [1.21]	Dermatitis [0.82]	Diarrhea [1.6]	Epilepsy [1.31]	Skin Viral [0.85]	Conduct [0.84]	Headaches [1.17]
Guatemala	Neonatal [1.46]	Iron [0.71]	Dermatitis [1.07]	Diarrhea [1.79]	Asthma [0.8]	Vit A [0.39]	Skin Viral [0.87]	Conduct [0.86]	Epilepsy [0.97]	Headaches [1.25]
Honduras	Iron [0.88]	Neonatal [1.58]	Asthma [1.18]	Dermatitis [1.06]	Vit A [0.6]	Diarrhea [1.81]	Epilepsy [1.42]	Skin Viral [0.87]	Conduct [0.86]	Headaches [1.26]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Mexico	Neonatal [1.38]	Vit A [0.83]	Asthma [0.87]	Dermatitis [0.66]	Epilepsy [1.67]	Conduct [0.87]	Skin Viral [0.82]	Congenital [0.77]	Headaches [1.07]	Urticaria [1.02]
Aguascalientes	Neonatal [1.36]	Asthma [0.96]	Dermatitis [0.65]	Epilepsy [1.78]	Vit A [0.68]	Conduct [0.87]	Skin Viral [0.81]	Congenital [0.83]	Iron [0.4]	Headaches [1.07]
Baja CA	Neonatal [1.34]	Vit A [1.1]	Asthma [0.84]	Dermatitis [0.65]	Epilepsy [1.73]	Conduct [0.87]	Skin Viral [0.81]	Congenital [0.77]	Headaches [1.07]	Urticaria [1.05]
Baja CA Sur	Neonatal [1.42]	Vit A [1.09]	Asthma [0.93]	Dermatitis [0.65]	Epilepsy [1.76]	Conduct [0.87]	Skin Viral [0.81]	Congenital [0.8]	Headaches [1.07]	Urticaria [1.05]
Campeche	Neonatal [1.51]	Vit A [0.97]	Asthma [0.86]	Dermatitis [0.68]	Epilepsy [1.56]	Iron [0.51]	Conduct [0.88]	Skin Viral [0.83]	Congenital [0.76]	Diarrhea [0.89]
Chiapas	Neonatal [1.45]	Vit A [0.62]	Asthma [0.85]	Dermatitis [0.7]	Epilepsy [1.49]	Conduct [0.91]	Skin Viral [0.87]	Diarrhea [0.97]	Congenital [0.7]	Headaches [1.15]
Chihuahua	Neonatal [1.27]	Asthma [0.98]	Epilepsy [1.71]	Dermatitis [0.56]	Vit A [0.61]	Conduct [0.87]	Skin Viral [0.82]	Congenital [0.85]	Diarrhea [1.01]	Headaches [1.07]
Coahuila	Neonatal [1.16]	Asthma [0.97]	Dermatitis [0.66]	Epilepsy [1.71]	Vit A [0.72]	Iron [0.5]	Conduct [0.87]	Diarrhea [1.23]	Skin Viral [0.82]	Congenital [0.75]
Colima	Neonatal [1.45]	Vit A [0.98]	Asthma [0.9]	Dermatitis [0.65]	Epilepsy [1.76]	Conduct [0.87]	Skin Viral [0.81]	Congenital [0.72]	Headaches [1.07]	Urticaria [1.04]
Mexico City	Neonatal [1.45]	Dermatitis [0.81]	Asthma [0.85]	Epilepsy [2.12]	Vit A [0.77]	Skin Viral [0.8]	Conduct [0.81]	Congenital [0.83]	Headaches [1.07]	Urticaria [1.16]
Durango	Neonatal [1.22]	Dermatitis [0.88]	Asthma [0.96]	Vit A [0.79]	Epilepsy [1.65]	Conduct [0.87]	Skin Viral [0.83]	Congenital [0.77]	Diarrhea [0.92]	Headaches [1.08]
Guanajuato	Neonatal [1.25]	Vit A [1.01]	Asthma [0.93]	Dermatitis [0.68]	Epilepsy [1.68]	Conduct [0.88]	Skin Viral [0.83]	Congenital [0.77]	ASD [1.63]	Headaches [1.08]
Guerrero	Neonatal [1.49]	Vit A [0.67]	Asthma [0.86]	Dermatitis [0.71]	Epilepsy [1.52]	Iron [0.31]	Skin Viral [0.92]	Conduct [0.91]	Congenital [0.73]	Headaches [1.13]
Hidalgo	Neonatal [1.72]	Asthma [0.91]	Vit A [0.6]	Dermatitis [0.7]	Epilepsy [1.57]	Conduct [0.9]	Skin Viral [0.86]	Congenital [0.75]	Headaches [1.11]	Urticaria [0.99]
Jalisco	Neonatal [1.31]	Epilepsy [2.02]	Asthma [0.8]	Vit A [0.8]	Dermatitis [0.66]	Conduct [0.87]	Skin Viral [0.81]	Congenital [0.83]	Headaches [1.07]	Urticaria [1.04]
Mexico	Neonatal [1.63]	Vit A [0.79]	Asthma [0.8]	Epilepsy [1.67]	Dermatitis [0.57]	Conduct [0.87]	Skin Viral [0.82]	Congenital [0.7]	Iron [0.33]	Urticaria [1.02]
Michoacan	Neonatal [1.2]	Vit A [0.74]	Asthma [0.9]	Dermatitis [0.7]	Epilepsy [1.51]	Conduct [0.9]	Skin Viral [0.86]	Congenital [0.75]	Headaches [1.11]	Urticaria [0.99]
Morelos	Neonatal [1.34]	Vit A [0.85]	Asthma [0.83]	Epilepsy [1.72]	Dermatitis [0.57]	Conduct [0.87]	Skin Viral [0.82]	Congenital [0.83]	Headaches [1.07]	Urticaria [1.02]
Nayarit	Neonatal [1.47]	Vit A [0.95]	Asthma [0.89]	Dermatitis [0.67]	Epilepsy [1.59]	Conduct [0.88]	Skin Viral [0.83]	Iron [0.38]	Congenital [0.79]	Headaches [1.08]
Nuevo Leon	Neonatal [1.1]	Vit A [1.34]	Asthma [0.83]	Epilepsy [1.84]	Dermatitis [0.55]	Conduct [0.86]	Skin Viral [0.8]	Congenital [0.78]	Diarrhea [1.01]	Headaches [1.07]
Oaxaca	Neonatal [1.42]	Asthma [0.87]	Dermatitis [0.71]	Vit A [0.51]	Epilepsy [1.58]	Conduct [0.91]	Skin Viral [0.87]	Congenital [0.81]	Headaches [1.13]	Urticaria [0.99]
Puebla	Neonatal [1.32]	Asthma [0.9]	Vit A [0.61]	Dermatitis [0.7]	Epilepsy [1.17]	Conduct [0.9]	Skin Viral [0.85]	Congenital [0.76]	Headaches [1.11]	Urticaria [0.99]
Queretaro	Neonatal [1.44]	Asthma [0.93]	Dermatitis [0.66]	Epilepsy [1.7]	Vit A [0.62]	Conduct [0.87]	Skin Viral [0.82]	Congenital [0.76]	Headaches [1.07]	Urticaria [1.03]
Quintana Roo	Neonatal [1.73]	Vit A [1.11]	Iron [0.67]	Asthma [0.86]	Dermatitis [0.67]	Epilepsy [1.69]	Diarrhea [1.22]	Conduct [0.87]	Skin Viral [0.82]	Congenital [0.81]
San Luis Potosi	Neonatal [1.19]	Asthma [0.92]	Vit A [0.83]	Dermatitis [0.68]	Epilepsy [1.64]	Conduct [0.88]	Skin Viral [0.83]	Congenital [0.84]	Headaches [1.08]	Urticaria [1.0]
Sinaloa	Neonatal [1.24]	Vit A [1.05]	Asthma [0.9]	Dermatitis [0.66]	Epilepsy [1.69]	Iron [0.48]	Conduct [0.87]	Skin Viral [0.81]	Congenital [0.74]	Headaches [1.07]
Sonora	Neonatal [1.21]	Vit A [0.97]	Asthma [0.94]	Dermatitis [0.66]	Epilepsy [1.76]	Iron [0.51]	Conduct [0.87]	Skin Viral [0.81]	Congenital [0.83]	Headaches [1.07]
Tabasco	Neonatal [1.49]	Vit A [1.04]	Iron [0.77]	Asthma [0.8]	Dermatitis [0.67]	Epilepsy [1.6]	Conduct [0.88]	Skin Viral [0.83]	Congenital [0.86]	Diarrhea [0.97]
Tamaulipas	Neonatal [1.52]	Asthma [0.9]	Vit A [0.88]	Epilepsy [1.68]	Dermatitis [0.55]	Conduct [0.87]	Skin Viral [0.82]	Diarrhea [1.16]	Congenital [0.79]	Headaches [1.07]
Tlaxcala	Neonatal [1.48]	Asthma [0.93]	Vit A [0.77]	Dermatitis [0.69]	Epilepsy [1.65]	Conduct [0.88]	Skin Viral [0.84]	Congenital [0.84]	Headaches [1.09]	Urticaria [0.99]
Veracruz	Neonatal [1.48]	Vit A [0.74]	Asthma [0.85]	Dermatitis [0.7]	Epilepsy [1.62]	Conduct [0.89]	Skin Viral [0.85]	Congenital [0.81]	Headaches [1.1]	Urticaria [0.99]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Yucatan	Neonatal [1.27]	Asthma [0.83]	Vit A [0.77]	Epilepsy [1.68]	Dermatitis [0.63]	Iron [0.51]	Conduct [0.87]	Skin Viral [0.82]	Congenital [0.81]	Headaches [1.08]
Zacatecas	Neonatal [0.95]	Asthma [0.94]	Vit A [0.71]	Dermatitis [0.68]	Epilepsy [1.66]	Conduct [0.88]	Skin Viral [0.84]	Iron [0.33]	Congenital [0.71]	Headaches [1.08]
Nicaragua	Neonatal [1.47]	Dermatitis [1.07]	Diarrhea [2.11]	Asthma [0.94]	Epilepsy [1.19]	Iron [0.26]	Skin Viral [0.87]	Conduct [0.86]	Vit A [0.29]	Congenital [0.77]
Panama	Neonatal [1.25]	Dermatitis [1.1]	Asthma [1.28]	Iron [1.17]	Diarrhea [2.78]	Vit A [0.71]	Skin Viral [0.81]	Epilepsy [1.27]	Conduct [0.81]	Headaches [1.15]
Venezuela	Neonatal [1.36]	Diarrhea [3.49]	Dermatitis [0.95]	Asthma [1.01]	Epilepsy [1.5]	Vit A [0.62]	Skin Viral [0.82]	Conduct [0.82]	Headaches [1.14]	Congenital [0.7]
Tropical Latin America	Asthma [1.69]	Vit A [1.38]	Neonatal [0.91]	Dermatitis [0.77]	Iron [0.74]	Headaches [1.67]	Anxiety [1.06]	Congenital [0.92]	Skin Viral [0.81]	Back Pain [2.48]
Brazil	Asthma [1.69]	Vit A [1.42]	Neonatal [0.92]	Dermatitis [0.75]	Iron [0.75]	Headaches [1.66]	Anxiety [1.05]	Congenital [0.92]	Skin Viral [0.8]	Back Pain [2.5]
Acre	Iron [1.07]	Asthma [1.47]	Neonatal [0.99]	Vit A [1.07]	Dermatitis [0.8]	Diarrhea [1.43]	Headaches [1.7]	Congenital [1.04]	Anxiety [1.15]	Skin Viral [0.84]
Alagoas	Vit A [1.22]	Asthma [1.38]	Neonatal [0.85]	Dermatitis [0.68]	Iron [0.36]	Headaches [1.77]	Anxiety [1.2]	Diarrhea [1.1]	Congenital [0.93]	Skin Viral [0.86]
Amapa	Asthma [1.6]	Neonatal [0.96]	Iron [1.0]	Vit A [1.04]	Dermatitis [0.76]	Headaches [1.67]	Anxiety [1.06]	Congenital [0.9]	Skin Viral [0.81]	Back Pain [2.41]
Amazonas	Asthma [1.57]	Vit A [1.33]	Iron [1.1]	Neonatal [0.82]	Dermatitis [0.78]	Headaches [1.68]	Anxiety [1.1]	Congenital [0.91]	Skin Viral [0.82]	Back Pain [2.57]
Bahia	Vit A [1.46]	Asthma [1.43]	Iron [0.82]	Neonatal [0.91]	Dermatitis [1.09]	Diarrhea [1.36]	Headaches [1.71]	Anxiety [1.16]	Congenital [0.92]	Skin Viral [0.84]
Ceara	Vit A [1.51]	Asthma [1.51]	Neonatal [0.86]	Dermatitis [0.81]	Headaches [1.7]	Diarrhea [1.26]	Anxiety [1.15]	Scabies [2.67]	Congenital [0.93]	Skin Viral [0.84]
Distrito Federal	Asthma [1.97]	Neonatal [1.01]	Dermatitis [0.69]	Vit A [1.85]	Headaches [1.68]	Anxiety [0.9]	Congenital [0.98]	Skin Viral [0.79]	Back Pain [2.34]	Conduct [0.74]
Espirito Santo	Asthma [1.94]	Vit A [2.01]	Neonatal [0.9]	Iron [1.0]	Dermatitis [0.75]	Headaches [1.66]	Anxiety [1.04]	Congenital [0.9]	Skin Viral [0.8]	Back Pain [2.42]
Goias	Asthma [1.72]	Neonatal [0.83]	Vit A [1.16]	Dermatitis [0.77]	Iron [0.66]	Headaches [1.68]	Anxiety [1.07]	Congenital [0.9]	Skin Viral [0.81]	Back Pain [2.53]
Maranhao	Vit A [1.09]	Asthma [1.37]	Iron [0.55]	Neonatal [0.95]	Dermatitis [0.81]	Headaches [1.82]	Anxiety [1.21]	Diarrhea [1.02]	Skin Viral [0.86]	Congenital [0.87]
Mato Grosso	Asthma [1.81]	Vit A [1.35]	Neonatal [0.87]	Dermatitis [0.76]	Headaches [1.67]	Anxiety [1.06]	Congenital [0.9]	Skin Viral [0.81]	Diarrhea [1.25]	Back Pain [2.53]
Mato Grosso do Sul	Asthma [1.66]	Neonatal [1.0]	Vit A [0.98]	Dermatitis [0.77]	Headaches [1.68]	Congenital [1.01]	Anxiety [1.07]	Diarrhea [1.26]	Skin Viral [0.81]	Back Pain [2.56]
Minas Gerais	Asthma [1.78]	Neonatal [0.96]	Vit A [1.31]	Dermatitis [0.65]	Headaches [1.66]	Iron [0.55]	Anxiety [1.06]	Diarrhea [1.3]	Congenital [0.91]	Skin Viral [0.81]
Para	Asthma [1.54]	Vit A [0.99]	Iron [0.79]	Neonatal [0.88]	Dermatitis [0.83]	Diarrhea [1.67]	Headaches [1.73]	Anxiety [1.18]	Congenital [0.91]	Skin Viral [0.85]
Paraiba	Vit A [1.52]	Asthma [1.44]	Neonatal [0.82]	Dermatitis [0.82]	Diarrhea [1.48]	Headaches [1.74]	Iron [0.35]	Anxiety [1.18]	Congenital [0.93]	Skin Viral [0.86]
Parana	Asthma [1.91]	Neonatal [0.94]	Vit A [1.18]	Dermatitis [0.67]	Headaches [1.67]	Anxiety [1.03]	Congenital [0.97]	Skin Viral [0.8]	Back Pain [2.5]	Diarrhea [1.23]
Pernambuco	Vit A [1.4]	Iron [1.05]	Asthma [1.55]	Neonatal [0.86]	Dermatitis [0.79]	Headaches [1.69]	Anxiety [1.16]	Congenital [0.97]	Skin Viral [0.84]	Back Pain [2.61]
Piaui	Asthma [1.48]	Vit A [0.83]	Neonatal [0.98]	Dermatitis [0.83]	Headaches [1.78]	Diarrhea [1.2]	Anxiety [1.21]	Congenital [0.95]	Skin Viral [0.87]	Back Pain [2.81]
Rio de Janeiro	Asthma [1.74]	Neonatal [1.14]	Dermatitis [0.73]	Headaches [1.67]	Vit A [0.84]	Anxiety [0.99]	Congenital [0.9]	Skin Viral [0.79]	Conduct [0.75]	Epilepsy [1.2]
Rio Grande do Norte	Asthma [1.51]	Vit A [1.12]	Neonatal [0.79]	Iron [0.69]	Dermatitis [0.8]	Diarrhea [1.47]	Headaches [1.69]	Anxiety [1.14]	Skin Viral [0.84]	Congenital [0.89]
Rio Grande do Sul	Asthma [1.95]	Neonatal [0.96]	Dermatitis [0.98]	Congenital [1.57]	Epilepsy [2.11]	Vit A [1.01]	Back Pain [3.24]	Headaches [1.71]	Anxiety [1.01]	Iron [0.66]
Rondonia	Asthma [1.55]	Neonatal [1.01]	Vit A [1.09]	Iron [0.71]	Congenital [1.6]	Dermatitis [0.79]	Headaches [1.68]	Anxiety [1.11]	Skin Viral [0.82]	Hearing [2.16]
Roraima	Asthma [1.58]	Neonatal [1.01]	Vit A [1.38]	Iron [0.83]	Dermatitis [0.77]	Headaches [1.67]	Anxiety [1.07]	Congenital [0.91]	Skin Viral [0.81]	Back Pain [2.55]
Santa Catarina	Asthma [2.07]	Vit A [1.63]	Neonatal [0.86]	Iron [1.1]	Dermatitis [0.74]	Headaches [2.07]	Anxiety [1.01]	Congenital [0.95]	Skin Viral [0.79]	Back Pain [2.4]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Sao Paulo	Asthma [1.91]	Neonatal [0.98]	Vit A [1.26]	Dermatitis [0.63]	Headaches [1.6]	Anxiety [0.97]	Iron [0.74]	Skin Viral [0.79]	Back Pain [2.44]	Conduct [0.75]
Sergipe	Vit A [1.59]	Asthma [1.63]	Neonatal [1.0]	Iron [0.59]	Dermatitis [0.66]	Headaches [1.69]	Anxiety [1.13]	Congenital [0.9]	Skin Viral [0.83]	Back Pain [2.56]
Tocantins	Asthma [1.52]	Neonatal [0.98]	Vit A [1.09]	Dermatitis [0.8]	Iron [0.5]	Headaches [1.69]	Anxiety [1.13]	Skin Viral [0.83]	Congenital [0.89]	Back Pain [2.62]
Paraguay	Asthma [1.77]	Dermatitis [1.05]	Iron [0.82]	Neonatal [0.78]	Vit A [0.89]	Diarrhea [2.06]	Headaches [1.72]	Anxiety [1.14]	Congenital [0.97]	Skin Viral [0.83]
North Africa and Middle East	Iron [1.81]	Neonatal [0.96]	Vit A [1.04]	Asthma [0.98]	Dermatitis [0.7]	Diarrhea [1.67]	Conduct [1.08]	Anxiety [1.02]	Skin Viral [0.8]	Congenital [0.84]
Afghanistan	Vit A [0.47]	Iron [0.38]	Diarrhea [1.65]	Dermatitis [0.99]	Neonatal [1.35]	Asthma [1.12]	ID [3.72]	Conduct [1.16]	Leish [1508.77]	Conflict Terror [62.7]
Algeria	Neonatal [1.07]	Asthma [1.12]	Iron [1.1]	Dermatitis [0.68]	Vit A [0.98]	Conduct [1.07]	Anxiety [0.97]	Skin Viral [0.78]	Congenital [0.83]	Epilepsy [1.18]
Bahrain	Neonatal [1.03]	Dermatitis [0.9]	Asthma [1.04]	Conduct [1.06]	Diarrhea [1.85]	Vit A [0.8]	Anxiety [0.95]	Skin Viral [0.78]	Epilepsy [1.19]	Congenital [0.77]
Egypt	Iron [1.38]	Neonatal [1.04]	Asthma [1.17]	Conduct [1.1]	Dermatitis [0.57]	Diarrhea [1.18]	Vit A [0.46]	Epilepsy [1.19]	Skin Viral [0.82]	Anxiety [0.98]
Iran	Neonatal [1.24]	Iron [1.1]	Asthma [0.85]	Diarrhea [2.01]	Anxiety [1.26]	Conduct [1.12]	Dermatitis [0.54]	Congenital [0.94]	Epilepsy [1.37]	Skin Viral [0.77]
Iraq	Iron [1.59]	Neonatal [1.12]	Vit A [0.97]	Asthma [1.03]	Dermatitis [0.66]	Conduct [1.12]	Diarrhea [1.22]	Anxiety [1.05]	Conflict Terror [1304.79]	Skin Viral [0.83]
Jordan	Neonatal [1.39]	Asthma [1.32]	Iron [1.23]	Vit A [1.07]	Dermatitis [0.68]	Conduct [1.06]	Anxiety [0.97]	Diarrhea [1.44]	Skin Viral [0.78]	Congenital [0.82]
Kuwait	Neonatal [1.16]	Asthma [1.3]	Iron [2.31]	Dermatitis [0.67]	Conduct [1.06]	Diarrhea [2.33]	Anxiety [0.87]	Skin Viral [0.77]	Congenital [0.85]	Epilepsy [1.29]
Lebanon	Neonatal [1.03]	Asthma [1.45]	Dermatitis [0.8]	Iron [1.26]	Anxiety [1.11]	Conduct [1.02]	Diarrhea [1.88]	Congenital [0.89]	Skin Viral [0.78]	Epilepsy [1.11]
Libya	Iron [2.54]	Neonatal [1.03]	Dermatitis [0.87]	Asthma [1.07]	Diarrhea [3.09]	Conduct [1.06]	Anxiety [0.89]	Skin Viral [0.78]	Congenital [0.86]	Conflict Terror [7017.37]
Morocco	Iron [1.11]	Vit A [1.24]	Neonatal [1.06]	Dermatitis [0.82]	Asthma [0.76]	Conduct [1.11]	Diarrhea [1.35]	Anxiety [1.13]	Skin Viral [0.84]	Congenital [0.86]
Palestine	Neonatal [1.14]	Iron [0.58]	Asthma [1.08]	Dermatitis [0.79]	Vit A [0.47]	Conduct [1.13]	Anxiety [1.15]	Diarrhea [1.07]	Skin Viral [0.85]	Congenital [0.82]
Oman	Iron [2.35]	Neonatal [1.07]	Asthma [0.95]	Diarrhea [2.36]	Dermatitis [0.6]	Conduct [1.06]	Anxiety [0.91]	Skin Viral [0.78]	Congenital [0.86]	Vit A [0.79]
Qatar	Neonatal [0.97]	Dermatitis [0.87]	Asthma [0.95]	Iron [1.36]	Conduct [1.06]	Anxiety [0.89]	Skin Viral [0.78]	Congenital [0.85]	Epilepsy [1.28]	Blindness [1.39]
Saudi Arabia	Dermatitis [0.85]	Neonatal [0.73]	Asthma [0.84]	Conduct [1.07]	Diarrhea [2.27]	Anxiety [0.88]	Congenital [0.92]	Skin Viral [0.78]	Epilepsy [1.38]	Iron [0.92]
Sudan	Iron [1.09]	Vit A [0.7]	Diarrhea [1.93]	Asthma [1.02]	Neonatal [0.86]	Dermatitis [0.72]	Conduct [1.12]	ID [4.23]	Hemog [2.14]	Anxiety [1.16]
Syria	Iron [1.53]	Conflict Terror [6366.83]	Neonatal [0.93]	Asthma [0.91]	Vit A [0.7]	Conduct [1.08]	Dermatitis [0.54]	Anxiety [1.08]	Diarrhea [1.18]	Skin Viral [0.82]
Tunisia	Neonatal [1.03]	Dermatitis [0.79]	Asthma [0.87]	Conduct [1.07]	Anxiety [1.0]	Diarrhea [1.3]	Skin Viral [0.79]	Congenital [0.77]	Urticaria [1.04]	Epilepsy [0.91]
Turkey	Neonatal [0.75]	Iron [1.24]	Asthma [0.92]	Vit A [1.24]	Dermatitis [0.61]	Conduct [1.04]	Diarrhea [1.7]	Skin Viral [0.78]	Epilepsy [1.31]	Congenital [0.78]
UAE	Neonatal [1.02]	Asthma [1.45]	Iron [3.32]	Dermatitis [0.85]	Diarrhea [2.39]	Conduct [1.02]	Anxiety [0.82]	Skin Viral [0.77]	Congenital [0.9]	Epilepsy [1.53]
Yemen	Iron [3.47]	Vit A [1.37]	Neonatal [1.29]	Diarrhea [2.06]	Dermatitis [0.97]	Oth NTD [1.98]	Hemog [2.56]	Asthma [0.82]	Conduct [1.1]	Oth Un Inf [3.63]
South Asia	Iron [1.96]	Vit A [1.56]	Neonatal [1.5]	Dermatitis [0.6]	ID [4.93]	Congenital [1.03]	Skin Viral [0.85]	Conduct [0.84]	Hemog [2.19]	Diarrhea [0.82]
Bangladesh	Iron [0.99]	Neonatal [1.56]	Vit A [0.48]	Dermatitis [0.89]	Congenital [0.99]	Nematode [3.53]	Skin Viral [0.84]	Anxiety [1.06]	Conduct [0.81]	Headaches [1.17]
Bhutan	Iron [3.55]	Vit A [1.46]	Neonatal [1.33]	Dermatitis [0.9]	Diarrhea [1.31]	Oth NTD [3.29]	Skin Viral [0.83]	Conduct [0.79]	Epilepsy [0.99]	Congenital [0.82]

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Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
India	Iron [2.09]	Vit A [1.89]	Neonatal [1.52]	ID [6.37]	Congenital [1.1]	Dermatitis [0.51]	Hemog [2.47]	Skin Viral [0.86]	Conduct [0.85]	Diarrhea [0.79]
Andhra Pradesh	Iron [1.62]	Vit A [1.51]	Neonatal [1.69]	ID [5.32]	Congenital [1.06]	Dermatitis [0.52]	Skin Viral [0.85]	Conduct [0.85]	Hemog [1.93]	Urticaria [0.98]
Arunachal Pradesh	Iron [1.78]	Vit A [1.71]	Neonatal [1.59]	ID [5.2]	Congenital [1.08]	Dermatitis [0.53]	Skin Viral [0.85]	Conduct [0.84]	Hemog [2.18]	Urticaria [0.99]
Assam	Iron [1.47]	Vit A [1.47]	Neonatal [1.47]	ID [6.72]	Congenital [1.12]	Dermatitis [0.52]	Skin Viral [0.85]	Conduct [0.85]	Hemog [1.92]	Skin Fung [2.28]
Bihar	Iron [1.46]	Vit A [1.35]	Neonatal [1.79]	ID [6.89]	Congenital [1.07]	Dermatitis [0.51]	Hemog [1.81]	Skin Viral [0.86]	Conduct [0.85]	Diarrhea [0.85]
Chhattisgarh	Iron [1.33]	Vit A [1.12]	Neonatal [1.59]	ID [5.82]	Congenital [1.08]	Dermatitis [0.52]	Skin Viral [0.85]	Conduct [0.85]	Urticaria [0.98]	Blindness [1.3]
Delhi	Iron [6.17]	Vit A [3.26]	Neonatal [1.46]	Congenital [0.96]	Dermatitis [0.41]	Skin Viral [0.78]	Conduct [0.8]	Hemog [5.26]	Blindness [1.62]	Oth NTD [1899.88]
Goa	Neonatal [1.8]	Vit A [3.35]	Congenital [1.01]	Dermatitis [0.46]	Skin Viral [0.79]	Conduct [0.81]	Iron [0.77]	Urticaria [1.23]	Diarrhea [1.21]	Epilepsy [1.05]
Gujarat	Iron [3.69]	Vit A [2.16]	Neonatal [1.53]	Congenital [1.07]	ID [5.12]	Hemog [3.12]	Dermatitis [0.52]	Skin Viral [0.84]	Conduct [0.84]	Diarrhea [0.81]
Haryana	Iron [4.72]	Vit A [2.53]	Neonatal [1.51]	Oth NTD [6.72]	Hemog [3.72]	Congenital [1.04]	Dermatitis [0.51]	Skin Viral [0.82]	ID [4.52]	Conduct [0.83]
Himachal Pradesh	Iron [5.53]	Vit A [2.49]	Neonatal [1.63]	Congenital [1.01]	Hemog [3.97]	Dermatitis [0.49]	ID [5.11]	Skin Viral [0.8]	Conduct [0.81]	Oth Un Inf [5.37]
Jammu & Kashmir	Iron [1.95]	Vit A [2.1]	Neonatal [1.51]	ID [6.22]	Congenital [1.09]	Dermatitis [0.52]	Skin Viral [0.84]	Conduct [0.84]	Hemog [2.46]	Diarrhea [0.83]
Jharkhand	Iron [1.8]	Vit A [1.55]	Neonatal [1.7]	ID [5.83]	Congenital [1.07]	Conduct [0.98]	Dermatitis [0.51]	Hemog [2.07]	Skin Viral [0.85]	Diarrhea [0.81]
Karnataka	Iron [1.84]	Vit A [1.92]	Neonatal [1.77]	ID [5.35]	Congenital [1.05]	Dermatitis [0.52]	Skin Viral [0.85]	Epilepsy [0.98]	Hemog [2.36]	Conduct [0.7]
Kerala	Neonatal [2.01]	Vit A [2.41]	Iron [1.54]	Congenital [1.03]	Dermatitis [0.48]	Skin Viral [0.8]	Conduct [0.78]	ID [4.9]	Anxiety [0.78]	Urticaria [1.06]
Madhya Pradesh	Iron [2.13]	Vit A [1.67]	Neonatal [1.51]	ID [6.39]	Congenital [1.07]	Hemog [2.31]	Dermatitis [0.51]	Skin Viral [0.85]	Conduct [0.85]	Oth NTD [1.39]
Maharashtra	Iron [3.24]	Vit A [2.29]	Neonatal [1.62]	Congenital [1.04]	ID [5.18]	Conduct [0.86]	Skin Viral [0.81]	Dermatitis [0.42]	Hemog [2.79]	Urticaria [1.0]
Manipur	Neonatal [1.69]	Vit A [1.36]	Iron [0.7]	ID [6.81]	Congenital [1.1]	Dermatitis [0.52]	Skin Viral [0.84]	Conduct [0.84]	Anxiety [0.88]	Diarrhea [0.85]
Meghalaya	Iron [2.3]	Vit A [2.07]	Neonatal [1.63]	ID [6.25]	Congenital [1.1]	Dermatitis [0.52]	Hemog [2.61]	Skin Viral [0.85]	Conduct [0.84]	Oth NTD [2.07]
Mizoram	Neonatal [1.66]	Vit A [1.85]	Iron [0.63]	ID [6.14]	Congenital [1.07]	Dermatitis [0.51]	Skin Viral [0.82]	Conduct [0.82]	Diarrhea [1.05]	Urticaria [1.0]
Nagaland	Iron [2.14]	Neonatal [1.72]	Vit A [1.81]	Congenital [1.05]	Dermatitis [0.49]	ID [5.36]	Skin Viral [0.81]	Conduct [0.81]	Iodine [37.31]	Urticaria [1.02]
Odisha	Vit A [1.7]	Neonatal [1.48]	Iron [0.73]	ID [6.39]	Congenital [1.09]	Dermatitis [0.52]	Skin Viral [0.85]	Conduct [0.85]	Diarrhea [0.89]	Hemog [1.94]
Punjab	Iron [3.8]	Vit A [2.38]	Neonatal [1.54]	Congenital [1.04]	Dermatitis [0.48]	ID [5.05]	Hemog [3.3]	Conduct [0.83]	Skin Viral [0.81]	Oth NTD [10.2]
Rajasthan	Iron [1.8]	Vit A [1.58]	Neonatal [1.48]	ID [6.0]	Congenital [1.07]	Dermatitis [0.52]	Hemog [2.03]	Skin Viral [0.85]	Conduct [0.85]	Oth NTD [1.19]
Sikkim	Iron [3.65]	Vit A [2.31]	Neonatal [1.67]	Congenital [1.02]	Dermatitis [0.49]	Skin Viral [0.81]	Conduct [0.81]	ID [4.49]	Hemog [3.11]	Oth NTD [14.76]
Tamil Nadu	Iron [3.36]	Vit A [2.4]	Neonatal [1.57]	ID [5.27]	Dermatitis [0.5]	Hemog [3.18]	Skin Viral [0.82]	Conduct [0.82]	Congenital [0.86]	Urticaria [0.99]
Telangana	Iron [2.67]	Vit A [1.93]	Neonatal [1.65]	ID [5.31]	Congenital [1.07]	Dermatitis [0.52]	Skin Viral [0.84]	Hemog [2.58]	Conduct [0.84]	Oth NTD [2.6]
Tripura	Iron [1.76]	Vit A [2.04]	Neonatal [1.62]	ID [6.25]	Congenital [1.08]	Dermatitis [0.52]	Hemog [2.43]	Skin Viral [0.85]	Conduct [0.85]	Asthma [0.42]
Uttar Pradesh	Iron [1.66]	Vit A [1.67]	Neonatal [1.46]	ID [6.51]	Congenital [1.17]	Hemog [2.18]	Dermatitis [0.5]	Skin Viral [0.85]	Conduct [0.85]	Diarrhea [0.78]
Uttarakhand	Iron [2.99]	Vit A [1.94]	Neonatal [1.64]	Congenital [1.06]	Dermatitis [0.51]	ID [4.99]	Skin Viral [0.82]	Conduct [0.83]	Hemog [2.67]	Diarrhea [0.91]
W Bengal	Iron [1.61]	Vit A [1.84]	Neonatal [1.5]	ID [6.74]	Congenital [1.09]	Skin Viral [0.96]	Dermatitis [0.52]	Conduct [0.85]	Hemog [2.22]	Anxiety [0.84]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
UTs other than Delhi	Iron [4.77]	Vit A [2.89]	Neonatal [1.75]	Congenital [1.02]	Dermatitis [0.48]	Hemog [3.99]	Skin Viral [0.79]	Conduct [0.81]	ID [4.45]	Urticaria [1.04]
Nepal	Iron [0.81]	Neonatal [1.9]	Vit A [0.65]	Dermatitis [0.89]	Epilepsy [1.03]	Congenital [0.82]	Skin Viral [0.84]	Conduct [0.82]	Headaches [1.46]	Anxiety [0.96]
Pakistan	Iron [1.95]	Neonatal [1.42]	Vit A [0.8]	Dermatitis [0.86]	Diarrhea [1.12]	Epilepsy [0.98]	Skin Viral [0.84]	Hemog [1.88]	Conduct [0.81]	Asthma [0.47]
Southeast Asia, East Asia, and Oceania	Neonatal [1.06]	Asthma [0.96]	Dermatitis [0.64]	Skin Viral [1.05]	Vit A [0.78]	Congenital [0.89]	Conduct [0.75]	Anxiety [0.74]	Scabies [3.21]	Iron [0.4]
East Asia	Neonatal [1.35]	Asthma [0.84]	Skin Viral [1.11]	Dermatitis [0.52]	Hernia [4.49]	Vit A [0.61]	Anxiety [0.76]	Conduct [0.67]	Congenital [0.72]	Scabies [3.43]
China	Neonatal [1.37]	Asthma [0.83]	Skin Viral [1.11]	Dermatitis [0.51]	Hernia [4.49]	Vit A [0.59]	Anxiety [0.76]	Conduct [0.66]	Congenital [0.71]	Scabies [3.31]
N Korea	Vit A [0.58]	Neonatal [0.72]	Asthma [0.79]	Diarrhea [1.49]	Dermatitis [0.65]	Skin Viral [1.16]	Anxiety [1.0]	Conduct [0.77]	Hernia [4.4]	Congenital [0.75]
Taiwan	Asthma [1.92]	Dermatitis [0.6]	Neonatal [0.57]	Skin Viral [1.04]	Conduct [0.81]	Anxiety [0.72]	Diarrhea [2.07]	Congenital [0.84]	Urticaria [1.35]	Scabies [10.23]
Oceania	Iron [1.23]	Asthma [1.92]	Dermatitis [1.02]	Vit A [0.48]	Neonatal [0.79]	Diarrhea [1.4]	Skin Viral [1.07]	Congenital [0.92]	Conduct [0.85]	Blindness [1.52]
Am Samoa	Asthma [2.26]	Iron [2.17]	Dermatitis [0.93]	Diarrhea [2.68]	Vit A [1.25]	Neonatal [0.69]	Skin Viral [0.99]	Conduct [0.8]	Congenital [0.84]	Anxiety [0.77]
Micronesia	Iron [1.64]	Vit A [1.67]	Asthma [1.87]	Dermatitis [1.03]	Neonatal [0.71]	Diarrhea [1.89]	Skin Viral [1.06]	Congenital [0.92]	Conduct [0.83]	Anxiety [0.91]
Fiji	Iron [1.86]	Asthma [1.82]	Dermatitis [0.97]	Neonatal [0.65]	Vit A [0.86]	Diarrhea [1.93]	Skin Viral [1.01]	Conduct [0.8]	Congenital [0.83]	Anxiety [0.84]
Guam	Asthma [2.27]	Diarrhea [6.1]	Iron [3.91]	Dermatitis [0.87]	Neonatal [0.74]	Skin Viral [0.97]	Conduct [0.79]	Congenital [0.81]	Anxiety [0.69]	Vit A [1.07]
Kiribati	Iron [1.28]	Vit A [0.95]	Asthma [1.91]	Dermatitis [1.02]	Neonatal [0.82]	Diarrhea [1.42]	Skin Viral [1.08]	Congenital [0.9]	Conduct [0.85]	Nematode [2.2]
Marshall	Vit A [1.17]	Asthma [1.74]	Dermatitis [1.04]	Iron [0.57]	Neonatal [0.74]	Diarrhea [1.77]	Skin Viral [1.07]	Congenital [0.93]	Conduct [0.84]	Anxiety [0.94]
N Mariana	Asthma [2.35]	Neonatal [0.84]	Dermatitis [0.9]	Diarrhea [3.45]	Vit A [1.94]	Iron [1.24]	Skin Viral [0.98]	Conduct [0.79]	Congenital [0.84]	Anxiety [0.73]
PNG	Iron [1.09]	Asthma [1.99]	Dermatitis [1.02]	Neonatal [0.89]	Vit A [0.34]	Diarrhea [1.29]	Skin Viral [1.08]	Congenital [0.91]	Conduct [0.86]	Blindness [1.69]
Samoa	Iron [1.55]	Vit A [1.34]	Asthma [1.81]	Dermatitis [1.04]	Diarrhea [1.97]	Neonatal [0.73]	Skin Viral [1.06]	Congenital [0.9]	Conduct [0.83]	Anxiety [0.92]
Solomon	Iron [1.62]	Vit A [0.77]	Asthma [1.84]	Dermatitis [1.02]	Neonatal [0.94]	Diarrhea [1.45]	Skin Viral [1.08]	Congenital [0.91]	Conduct [0.85]	Oth NTD [0.91]
Tonga	Asthma [2.42]	Dermatitis [1.0]	Iron [0.79]	Diarrhea [2.17]	Vit A [0.88]	Neonatal [0.69]	Skin Viral [1.02]	Congenital [0.89]	Conduct [0.81]	Anxiety [0.87]
Vanuatu	Iron [1.09]	Vit A [0.98]	Asthma [2.03]	Dermatitis [1.02]	Neonatal [0.83]	Diarrhea [1.3]	Skin Viral [1.07]	Congenital [0.9]	Conduct [0.85]	Anxiety [0.94]
Southeast Asia	Asthma [1.08]	Neonatal [0.72]	Dermatitis [0.82]	Vit A [0.89]	Congenital [1.14]	Skin Viral [0.99]	Iron [0.48]	Conduct [0.87]	Scabies [2.77]	Epilepsy [0.96]
Cambodia	Iron [1.59]	Vit A [0.71]	Dermatitis [1.02]	Asthma [0.95]	Neonatal [0.79]	Congenital [1.16]	Skin Viral [1.06]	Conduct [0.88]	Epilepsy [0.97]	Diarrhea [0.85]
Indonesia	Asthma [1.12]	Vit A [1.07]	Neonatal [0.73]	Dermatitis [0.61]	Skin Viral [0.97]	Congenital [1.01]	Conduct [0.9]	Scabies [3.0]	Diarrhea [0.99]	Epilepsy [0.97]
Laos	Vit A [0.99]	Iron [0.53]	Dermatitis [1.03]	Asthma [1.0]	Neonatal [0.58]	Congenital [1.19]	Skin Viral [1.06]	Conduct [0.89]	Anxiety [1.02]	Scabies [1.85]
Malaysia	Dermatitis [0.95]	Neonatal [0.81]	Asthma [0.99]	Diarrhea [2.31]	Congenital [1.12]	Skin Viral [0.98]	Conduct [0.84]	Anxiety [0.79]	Iron [0.81]	Epilepsy [1.17]
Maldives	Dermatitis [0.96]	Asthma [1.01]	Neonatal [0.66]	Iron [0.69]	Congenital [1.1]	Skin Viral [1.0]	Conduct [0.85]	Scabies [3.21]	Vit A [0.42]	Hearing [1.81]
Mauritius	Iron [2.61]	Asthma [1.27]	Dermatitis [0.91]	Neonatal [0.82]	Diarrhea [1.99]	Skin Viral [0.98]	Congenital [1.09]	Conduct [0.83]	Vit A [0.7]	Epilepsy [1.2]
Myanmar	Iron [0.83]	Vit A [0.82]	Dermatitis [1.04]	Congenital [1.71]	Neonatal [0.74]	Asthma [0.89]	Skin Viral [1.06]	Conduct [0.88]	Scabies [2.05]	Blindness [1.56]
Philippines	Asthma [1.4]	Dermatitis [1.05]	Neonatal [0.77]	Vit A [0.8]	Congenital [1.19]	Skin Viral [1.02]	Conduct [0.86]	Scabies [2.42]	Epilepsy [0.98]	Iron [0.32]
Sri Lanka	Dermatitis [0.9]	Neonatal [0.74]	Asthma [1.01]	Vit A [1.15]	Iron [1.02]	Congenital [1.31]	Skin Viral [1.02]	Epilepsy [1.32]	Conduct [0.83]	Hearing [1.96]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Seychelles	Dermatitis [0.94]	Neonatal [0.81]	Asthma [1.04]	Vit A [0.8]	Skin Viral [0.99]	Congenital [1.1]	Conduct [0.84]	Iron [0.52]	Diarrhea [1.2]	Epilepsy [1.11]
Thailand	Dermatitis [0.98]	Asthma [0.98]	Neonatal [0.67]	Congenital [1.15]	Skin Viral [0.99]	Conduct [0.84]	Scabies [3.92]	Anxiety [0.7]	Hearing [1.91]	Vit A [0.47]
Timor-Leste	Iron [1.05]	Vit A [0.66]	Dermatitis [1.02]	Asthma [0.94]	Neonatal [0.67]	Congenital [1.18]	Skin Viral [1.06]	Conduct [0.89]	Diarrhea [0.95]	Blindness [1.55]
Vietnam	Dermatitis [0.84]	Neonatal [0.61]	Asthma [0.8]	Skin Viral [1.04]	Congenital [1.06]	Vit A [0.5]	Conduct [0.87]	Iron [0.31]	Diarrhea [0.89]	Scabies [2.09]
Sub-Saharan Africa	Iron [1.43]	Vit A [1.22]	Dermatitis [1.0]	Neonatal [0.99]	Asthma [0.82]	Congenital [1.17]	Epilepsy [1.19]	Malaria [9.81]	Skin Viral [0.96]	Conduct [0.94]
Central Sub-Saharan Africa	Iron [1.51]	Vit A [1.34]	Dermatitis [1.16]	Neonatal [1.04]	Asthma [0.99]	Malaria [17.57]	Oncho [203.01]	Epilepsy [1.59]	Hemog [2.15]	Congenital [1.02]
Angola	Iron [1.97]	Vit A [1.16]	Neonatal [1.21]	Dermatitis [1.16]	Asthma [1.17]	Epilepsy [1.71]	Diarrhea [1.18]	Congenital [1.08]	Hemog [2.09]	Conduct [0.93]
C African Rep	Iron [1.66]	Vit A [1.06]	Malaria [3.33]	Dermatitis [1.16]	Asthma [1.11]	Epilepsy [1.46]	Neonatal [1.05]	Diarrhea [1.13]	Oncho [61.24]	Hemog [1.68]
Congo	Iron [2.16]	Vit A [2.43]	Neonatal [1.13]	Asthma [1.28]	Dermatitis [1.17]	Epilepsy [1.99]	Malaria [118.46]	Diarrhea [1.19]	Congenital [0.98]	Conduct [0.92]
Congo DR	Iron [1.07]	Vit A [1.03]	Oncho [144.34]	Dermatitis [1.16]	Neonatal [1.21]	Malaria [4.25]	Asthma [0.95]	Epilepsy [1.43]	Hemog [1.76]	Congenital [0.98]
Eq Guinea	Iron [1.59]	Vit A [1.3]	Dermatitis [1.12]	Asthma [1.14]	Neonatal [0.73]	Epilepsy [2.15]	Malaria [258.23]	Diarrhea [1.35]	Conduct [0.93]	Skin Viral [0.85]
Gabon	Iron [5.13]	Vit A [2.23]	Neonatal [1.22]	Dermatitis [1.1]	Asthma [1.22]	Epilepsy [2.25]	Malaria [469.95]	Oth NTD [49.58]	Conduct [0.87]	Diarrhea [1.27]
Eastern Sub-Saharan Africa	Vit A [0.89]	Iron [0.79]	Neonatal [1.46]	Dermatitis [1.06]	Asthma [1.01]	Congenital [1.19]	Epilepsy [1.13]	Skin Viral [1.07]	Conduct [0.96]	Diarrhea [0.88]
Burundi	Iron [0.61]	Vit A [0.43]	Dermatitis [1.18]	Neonatal [1.17]	Asthma [1.0]	Epilepsy [1.18]	Congenital [1.09]	Skin Viral [1.03]	Diarrhea [0.89]	Conduct [0.94]
Comoros	Iron [1.39]	Vit A [0.87]	Neonatal [1.61]	Dermatitis [1.16]	Asthma [1.09]	Epilepsy [1.17]	Congenital [1.05]	Skin Viral [0.99]	Conduct [0.92]	Diarrhea [0.89]
Djibouti	Iron [0.69]	Neonatal [1.35]	Dermatitis [1.16]	Asthma [0.92]	Epilepsy [1.29]	Vit A [0.32]	Congenital [1.06]	Skin Viral [0.99]	Conduct [0.95]	Anxiety [0.96]
Eritrea	Iron [1.37]	Vit A [0.74]	Neonatal [1.64]	Dermatitis [1.16]	Asthma [0.88]	Epilepsy [1.19]	Congenital [1.06]	Skin Viral [1.0]	Diarrhea [0.97]	Conduct [0.93]
Ethiopia	Vit A [0.97]	Iron [0.6]	Neonatal [1.77]	Dermatitis [1.05]	Asthma [0.94]	Skin Viral [1.28]	Congenital [1.07]	Conduct [1.0]	Diarrhea [0.88]	Epilepsy [0.83]
Kenya	Neonatal [1.73]	Vit A [1.02]	Dermatitis [1.15]	Congenital [1.61]	Asthma [0.76]	Iron [0.3]	Skin Viral [0.98]	Conduct [0.98]	Epilepsy [1.1]	Diarrhea [1.0]
Baringo	Vit A [0.95]	Neonatal [1.88]	Dermatitis [1.12]	Congenital [1.58]	Asthma [0.77]	Diarrhea [1.05]	Skin Viral [0.99]	Conduct [0.99]	Epilepsy [0.95]	Iron [0.17]
Bomet	Neonatal [2.03]	Vit A [0.68]	Dermatitis [1.12]	Congenital [1.58]	Asthma [0.79]	Skin Viral [0.98]	Conduct [0.98]	Diarrhea [0.97]	Epilepsy [0.99]	HIV [103.16]
Bungoma	Vit A [1.31]	Neonatal [1.89]	Iron [0.52]	Dermatitis [1.12]	Congenital [1.58]	Asthma [0.77]	Skin Viral [0.98]	Conduct [0.97]	Epilepsy [0.97]	Diarrhea [0.88]
Busia	Vit A [1.16]	Neonatal [1.89]	Dermatitis [1.12]	Iron [0.39]	Congenital [1.57]	Asthma [0.75]	Malaria [9.7]	Skin Viral [0.99]	Conduct [0.97]	Diarrhea [0.96]
Elgeyo-Marakwet	Neonatal [2.01]	Dermatitis [1.13]	Vit A [0.62]	Congenital [1.59]	Asthma [0.76]	Skin Viral [0.98]	Conduct [0.98]	Epilepsy [1.1]	Diarrhea [0.99]	Anxiety [0.95]
Embu	Vit A [1.51]	Neonatal [1.87]	Iron [0.62]	Dermatitis [1.13]	Congenital [1.59]	Asthma [0.76]	Skin Viral [0.98]	Conduct [0.97]	Epilepsy [1.16]	Diarrhea [1.04]
Garissa	Neonatal [2.59]	Vit A [0.58]	Dermatitis [1.13]	Congenital [1.59]	Asthma [0.84]	Skin Viral [1.02]	Conduct [1.02]	Epilepsy [0.94]	Diarrhea [0.71]	Anxiety [0.99]
HomaBay	Vit A [1.34]	Iron [0.65]	Dermatitis [1.11]	Neonatal [1.14]	Congenital [1.59]	HIV [115.51]	Asthma [0.79]	Diarrhea [1.12]	Epilepsy [1.08]	Skin Viral [0.99]
Isiolo	Vit A [0.73]	Neonatal [1.76]	Dermatitis [1.12]	Congenital [1.58]	Asthma [0.78]	Skin Viral [1.0]	Conduct [1.0]	Diarrhea [0.93]	Epilepsy [0.95]	Anxiety [0.98]
Kajiado	Neonatal [2.03]	Vit A [0.89]	Dermatitis [1.13]	Congenital [1.62]	Asthma [0.77]	Epilepsy [1.23]	Skin Viral [0.98]	Conduct [0.98]	Anxiety [0.95]	Diarrhea [0.87]
Kakamega	Vit A [1.28]	Neonatal [1.61]	Dermatitis [1.12]	Iron [0.41]	Congenital [1.58]	Asthma [0.78]	Diarrhea [1.06]	Skin Viral [0.99]	Conduct [0.98]	Epilepsy [1.01]
Kericho	Neonatal [2.14]	Vit A [0.91]	Dermatitis [1.12]	Congenital [1.61]	Asthma [0.78]	Skin Viral [0.98]	Conduct [0.98]	Diarrhea [1.03]	Epilepsy [1.04]	Anxiety [0.95]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Kiambu	Neonatal [1.93]	Dermatitis [1.14]	Vit A [0.68]	Congenital [1.62]	Asthma [0.77]	Epilepsy [1.29]	Skin Viral [0.98]	Conduct [0.97]	Diarrhea [0.94]	Anxiety [0.92]
Kilifi	Vit A [0.99]	Neonatal [1.79]	Iron [0.61]	Dermatitis [1.12]	Congenital [1.57]	Asthma [0.72]	Skin Viral [0.98]	Conduct [0.98]	Epilepsy [0.97]	Diarrhea [0.92]
Kirinyaga	Neonatal [1.94]	Dermatitis [1.14]	Congenital [1.62]	Asthma [0.77]	Vit A [0.47]	Diarrhea [1.15]	Skin Viral [0.98]	Epilepsy [1.18]	Conduct [0.98]	Anxiety [0.94]
Kisii	Neonatal [1.56]	Dermatitis [1.13]	Vit A [0.7]	Congenital [1.61]	Asthma [0.75]	Skin Viral [0.98]	Conduct [0.98]	Diarrhea [1.06]	Epilepsy [1.1]	Anxiety [0.95]
Kisumu	Vit A [1.21]	Neonatal [1.1]	Iron [0.5]	Dermatitis [0.94]	Congenital [1.61]	Asthma [0.76]	Epilepsy [1.19]	Skin Viral [0.98]	Conduct [0.97]	Diarrhea [0.99]
Kitui	Neonatal [2.15]	Dermatitis [1.12]	Congenital [1.58]	Vit A [0.39]	Asthma [0.75]	Skin Viral [0.99]	Conduct [0.99]	Diarrhea [1.03]	Epilepsy [1.02]	Anxiety [0.97]
Kwale	Vit A [0.95]	Neonatal [1.84]	Dermatitis [1.12]	Iron [0.36]	Congenital [1.57]	Asthma [0.75]	Skin Viral [0.98]	Conduct [0.98]	Epilepsy [1.05]	Diarrhea [0.89]
Laikipia	Neonatal [2.01]	Vit A [0.94]	Dermatitis [1.14]	Congenital [1.61]	Asthma [0.82]	Skin Viral [0.98]	Conduct [0.98]	Iron [0.29]	Epilepsy [1.16]	Diarrhea [1.02]
Lamu	Neonatal [1.6]	Vit A [0.72]	Dermatitis [1.12]	Congenital [1.57]	Asthma [0.76]	Epilepsy [1.11]	Skin Viral [0.99]	Conduct [0.99]	Diarrhea [0.95]	Conflict Terror [336.32]
Machakos	Neonatal [1.95]	Dermatitis [1.13]	Vit A [0.66]	Congenital [1.59]	Asthma [0.76]	Skin Viral [0.98]	Conduct [0.98]	Epilepsy [1.13]	Diarrhea [1.01]	Anxiety [0.94]
Makueni	Neonatal [2.0]	Dermatitis [1.12]	Vit A [0.57]	Congenital [1.58]	Asthma [0.77]	HIV [115.12]	Skin Viral [0.98]	Conduct [0.98]	Epilepsy [1.02]	Diarrhea [0.87]
Mandera	Vit A [0.87]	Iron [0.55]	Neonatal [2.19]	Dermatitis [1.12]	Congenital [1.57]	Asthma [0.79]	Skin Viral [1.02]	Conduct [1.01]	Epilepsy [0.85]	Diarrhea [0.74]
Marsabit	Neonatal [2.69]	Vit A [0.59]	Dermatitis [1.13]	Congenital [1.58]	Asthma [0.77]	Skin Viral [1.02]	Conduct [1.01]	Diarrhea [0.85]	Epilepsy [0.89]	Anxiety [0.99]
Meru	Neonatal [1.94]	Vit A [0.85]	Dermatitis [1.13]	Congenital [1.61]	Asthma [0.77]	Diarrhea [1.13]	Skin Viral [0.98]	Conduct [0.98]	Epilepsy [1.11]	Anxiety [0.95]
Migori	Vit A [0.98]	Dermatitis [1.12]	Neonatal [1.06]	Iron [0.33]	Congenital [1.58]	Asthma [0.79]	HIV [83.32]	Diarrhea [1.06]	Skin Viral [0.99]	Epilepsy [1.04]
Mombasa	Neonatal [1.57]	Dermatitis [1.14]	Vit A [0.86]	Congenital [1.62]	Asthma [0.74]	Epilepsy [1.29]	Skin Viral [0.98]	Conduct [0.97]	Diarrhea [1.05]	Iron [0.28]
Murang'a	Neonatal [1.95]	Dermatitis [1.13]	Congenital [1.62]	Vit A [0.52]	Asthma [0.77]	Skin Viral [0.98]	Conduct [0.98]	Diarrhea [1.09]	Epilepsy [1.11]	Anxiety [0.94]
Nairobi	Neonatal [1.73]	Dermatitis [1.37]	Vit A [1.24]	Congenital [1.51]	Asthma [0.81]	Epilepsy [1.61]	Skin Viral [0.91]	Conduct [0.92]	Iron [0.5]	Anxiety [0.81]
Nakuru	Neonatal [1.82]	Dermatitis [1.14]	Vit A [0.7]	Congenital [1.64]	Epilepsy [1.71]	Asthma [0.81]	Skin Viral [0.98]	Diarrhea [1.14]	Conduct [0.98]	Anxiety [0.95]
Nandi	Neonatal [2.05]	Vit A [0.88]	Dermatitis [1.12]	Congenital [1.6]	Asthma [0.78]	Iron [0.26]	Skin Viral [0.98]	Conduct [0.98]	Epilepsy [1.07]	Diarrhea [0.94]
Narok	Vit A [0.9]	Neonatal [2.59]	Dermatitis [1.12]	Congenital [1.58]	Asthma [0.83]	Skin Viral [1.0]	Conduct [1.0]	Diarrhea [0.95]	Epilepsy [0.99]	Iron [0.18]
Nyamira	Neonatal [1.77]	Dermatitis [1.14]	Congenital [1.63]	Vit A [0.53]	Asthma [0.77]	Epilepsy [1.31]	Diarrhea [1.23]	Skin Viral [0.98]	Conduct [0.99]	Anxiety [0.94]
Nyandarua	Neonatal [2.06]	Vit A [0.82]	Dermatitis [1.14]	Congenital [1.63]	Asthma [0.78]	Iron [0.33]	Epilepsy [1.31]	Skin Viral [0.98]	Conduct [0.98]	Diarrhea [1.01]
Nyeri	Neonatal [1.92]	Dermatitis [1.14]	Congenital [1.64]	Asthma [0.77]	Vit A [0.48]	Epilepsy [1.3]	Skin Viral [0.98]	Conduct [0.98]	Diarrhea [0.97]	Anxiety [0.94]
Samburu	Neonatal [3.02]	Vit A [0.35]	Dermatitis [1.13]	Congenital [1.59]	Asthma [0.84]	Diarrhea [0.95]	Skin Viral [1.03]	Conduct [1.01]	Epilepsy [0.82]	Anxiety [1.0]
Siaya	Vit A [0.87]	Neonatal [1.22]	Dermatitis [1.12]	Congenital [1.59]	Asthma [0.82]	Skin Viral [0.99]	Conduct [0.98]	Diarrhea [1.01]	Epilepsy [0.97]	Malaria [10.19]
TaitaTaveta	Neonatal [1.79]	Dermatitis [1.14]	Congenital [1.61]	Asthma [0.75]	Epilepsy [1.29]	Skin Viral [0.98]	Conduct [0.98]	Vit A [0.34]	Diarrhea [1.0]	Anxiety [0.94]
TanaRiver	Vit A [1.31]	Iron [1.08]	Neonatal [2.16]	Dermatitis [1.11]	Congenital [1.58]	Asthma [0.75]	Skin Viral [1.0]	Epilepsy [1.0]	Conduct [0.98]	Hemog [1.58]
TharakaNithi	Neonatal [1.52]	Dermatitis [1.13]	Vit A [0.64]	Congenital [1.59]	Asthma [0.76]	Epilepsy [1.22]	Skin Viral [0.98]	Conduct [0.98]	Diarrhea [1.0]	Anxiety [0.95]
TransNzoia	Neonatal [1.95]	Vit A [1.0]	Dermatitis [1.12]	Congenital [1.58]	Asthma [0.77]	Diarrhea [1.16]	Skin Viral [0.98]	Conduct [0.98]	Epilepsy [1.01]	Anxiety [0.94]
Turkana	Vit A [0.7]	Neonatal [2.63]	Dermatitis [1.12]	Congenital [1.6]	Iron [0.25]	Asthma [0.79]	Diarrhea [0.98]	Skin Viral [1.02]	Conduct [1.01]	HIV [28.79]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
UasinGishu	Neonatal [1.83]	Dermatitis [1.66]	Vit A [0.96]	Congenital [1.6]	Asthma [0.78]	Skin Viral [0.98]	Conduct [0.98]	Diarrhea [1.09]	Epilepsy [1.13]	Anxiety [0.94]
Vihiga	Vit A [1.05]	Neonatal [1.84]	Dermatitis [1.12]	Congenital [1.59]	Iron [0.36]	Asthma [0.77]	Diarrhea [1.09]	Skin Viral [0.98]	Epilepsy [1.09]	Conduct [0.98]
Wajir	Neonatal [2.97]	Vit A [0.41]	Dermatitis [1.12]	Congenital [1.6]	Asthma [0.81]	Skin Viral [1.03]	Conduct [1.02]	Diarrhea [0.76]	Epilepsy [0.76]	Anxiety [0.99]
WestPokot	Neonatal [2.49]	Vit A [0.62]	Dermatitis [1.12]	Congenital [1.58]	Asthma [0.8]	Diarrhea [0.99]	Skin Viral [1.01]	Conduct [1.0]	Epilepsy [0.87]	Anxiety [0.99]
Madagascar	Iron [0.96]	Vit A [0.71]	Congenital [2.69]	Dermatitis [1.17]	Neonatal [1.52]	Asthma [1.11]	Epilepsy [1.23]	Diarrhea [1.0]	Hearing [1.89]	Skin Viral [1.02]
Malawi	Iron [1.16]	Vit A [0.86]	Dermatitis [1.17]	Neonatal [1.33]	HIV [77.0]	Asthma [1.0]	Congenital [1.09]	Epilepsy [1.1]	Malaria [1.86]	Diarrhea [0.96]
Mozambique	Iron [1.06]	Vit A [0.87]	HIV [84.89]	Neonatal [1.27]	Dermatitis [0.93]	Asthma [1.02]	Malaria [2.3]	Epilepsy [1.41]	Congenital [1.06]	Skin Viral [1.02]
Rwanda	Iron [0.78]	Vit A [0.75]	Neonatal [1.34]	Asthma [1.36]	Dermatitis [0.75]	Epilepsy [1.22]	Congenital [1.07]	Skin Viral [1.01]	Conduct [0.93]	Anxiety [1.0]
Somalia	Vit A [0.81]	Iron [0.72]	Dermatitis [1.16]	Neonatal [1.76]	Asthma [0.95]	Congenital [1.06]	Epilepsy [1.0]	Skin Viral [1.04]	Conduct [0.95]	Diarrhea [0.75]
S Sudan	Iron [0.89]	Vit A [0.62]	Oncho [91.03]	Dermatitis [1.16]	Neonatal [1.51]	Asthma [1.12]	Diarrhea [1.15]	Congenital [1.03]	Epilepsy [1.02]	Skin Viral [1.03]
Tanzania	Iron [1.17]	Vit A [0.75]	Neonatal [1.28]	Asthma [1.31]	Dermatitis [0.93]	Epilepsy [1.15]	Skin Viral [0.94]	Conduct [0.93]	Congenital [0.87]	Anxiety [0.99]
Uganda	Vit A [0.73]	Iron [0.67]	Neonatal [1.31]	Dermatitis [1.07]	Asthma [1.12]	Malaria [5.22]	Epilepsy [1.43]	Skin Viral [1.01]	HIV [58.19]	Conduct [0.94]
Zambia	Vit A [1.5]	Iron [0.77]	Dermatitis [1.16]	Neonatal [1.04]	Asthma [0.81]	Epilepsy [1.47]	Congenital [1.06]	Malaria [15.52]	Skin Viral [0.99]	HIV [98.74]
Southern Sub-Saharan Africa	Vit A [1.77]	Dermatitis [1.31]	Neonatal [1.02]	Iron [1.16]	Congenital [1.22]	Conduct [0.93]	HIV [334.16]	Skin Viral [0.85]	Anxiety [0.9]	Epilepsy [0.99]
Botswana	Vit A [2.36]	Iron [2.06]	Neonatal [1.26]	Dermatitis [1.3]	Asthma [0.63]	Conduct [0.89]	Skin Viral [0.85]	Congenital [0.83]	Diarrhea [1.15]	Anxiety [0.85]
Lesotho	Vit A [1.5]	Iron [1.06]	Dermatitis [1.39]	Neonatal [0.93]	HIV [194.7]	Conduct [0.94]	Skin Viral [0.9]	Congenital [0.9]	Diarrhea [0.94]	Epilepsy [0.91]
Namibia	Iron [1.71]	Dermatitis [1.36]	Neonatal [1.07]	Vit A [1.09]	Conduct [0.9]	HIV [276.29]	Diarrhea [1.18]	Skin Viral [0.87]	Asthma [0.53]	Congenital [0.85]
S Africa	Vit A [1.89]	Dermatitis [1.27]	Neonatal [1.05]	Iron [0.96]	Congenital [1.45]	Conduct [0.94]	HIV [448.8]	Skin Viral [0.84]	Anxiety [0.91]	Epilepsy [1.06]
Swaziland	Iron [1.65]	Vit A [1.75]	Dermatitis [1.4]	Neonatal [0.84]	HIV [439.91]	Asthma [0.65]	Conduct [0.93]	Diarrhea [1.14]	Skin Viral [0.9]	Congenital [0.88]
Zimbabwe	Iron [0.82]	Vit A [0.96]	Dermatitis [1.39]	Neonatal [1.15]	Conduct [0.94]	Skin Viral [0.91]	Diarrhea [0.96]	HIV [83.37]	Asthma [0.46]	Congenital [0.75]
Western Sub-Saharan Africa	Iron [1.97]	Vit A [1.35]	Dermatitis [0.85]	Malaria [12.13]	Hemog [2.51]	Neonatal [0.69]	Congenital [1.17]	Asthma [0.68]	Epilepsy [1.14]	Diarrhea [0.96]
Benin	Vit A [1.13]	Iron [1.03]	Malaria [5.49]	Neonatal [1.18]	Dermatitis [0.95]	Epilepsy [1.24]	Asthma [0.75]	Hemog [1.66]	Congenital [0.97]	Conduct [0.95]
Burkina Faso	Iron [1.6]	Vit A [0.97]	Malaria [1.76]	Dermatitis [0.95]	Asthma [0.94]	Hemog [1.75]	Diarrhea [1.05]	Neonatal [0.96]	Epilepsy [1.02]	Congenital [0.96]
Cameroon	Iron [1.55]	Vit A [1.57]	Dermatitis [0.91]	Malaria [28.93]	Neonatal [0.65]	Epilepsy [1.38]	Diarrhea [1.3]	Asthma [0.68]	Oncho [182.69]	Congenital [1.01]
Cape Verde	Iron [1.64]	Neonatal [1.41]	Dermatitis [0.97]	Asthma [0.73]	Diarrhea [1.29]	Epilepsy [1.34]	Conduct [0.94]	Congenital [0.97]	Skin Viral [0.91]	Anxiety [0.91]
Chad	Iron [1.92]	Vit A [0.88]	Dermatitis [0.94]	Diarrhea [1.16]	Oth NTD [0.79]	Epilepsy [0.98]	Asthma [0.72]	Congenital [0.93]	Malaria [0.66]	Neonatal [0.81]
Cote d'Ivoire	Iron [1.58]	Vit A [1.34]	Dermatitis [0.94]	Neonatal [0.86]	Hemog [2.32]	Asthma [0.81]	Epilepsy [1.27]	Diarrhea [1.16]	Congenital [1.0]	Malaria [5.08]
Gambia	Iron [1.52]	Vit A [1.4]	Neonatal [1.64]	Dermatitis [0.95]	Diarrhea [1.17]	Asthma [0.71]	Hemog [1.72]	Congenital [0.95]	Conduct [0.94]	Skin Viral [0.91]
Ghana	Iron [2.18]	Vit A [2.23]	Neonatal [0.99]	Epilepsy [1.44]	Malaria [67.67]	Diarrhea [1.19]	Dermatitis [0.54]	Congenital [1.01]	Asthma [0.55]	Hemog [2.44]
Guinea	Iron [1.16]	Vit A [0.93]	Malaria [2.44]	Dermatitis [0.95]	Asthma [0.94]	Hemog [1.87]	Neonatal [0.97]	Epilepsy [1.06]	Diarrhea [0.95]	Congenital [0.97]
Guinea-Bissau	Iron [1.33]	Vit A [1.13]	Dermatitis [0.95]	Neonatal [1.21]	Epilepsy [1.2]	Asthma [0.73]	Congenital [1.03]	LF [11.78]	Conduct [0.95]	Skin Viral [0.93]

eFigure 9d. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 5-9 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.8]	(0.8-0.89]	(0.89-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.24]	(1.24-1.42]	(1.42-1.91]	1.91+
	1	2	3	4	5	6	7	8	9	10
Liberia	**Iron** [1.47]	**Vit A** [0.84]	**Oncho** [211.61]	**Dermatitis** [0.95]	**Neonatal** [1.22]	**Hemog** [2.19]	**Diarrhea** [1.4]	**Epilepsy** [1.4]	**Malaria** [1.77]	**Asthma** [0.78]
Mali	**Iron** [1.82]	**Vit A** [1.11]	**Malaria** [1.3]	**Dermatitis** [0.79]	**Oth NTD** [0.76]	**Neonatal** [0.93]	**Diarrhea** [0.91]	**Congenital** [0.94]	**Skin Fung** [1.44]	**Hemog** [1.19]
Mauritania	**Iron** [1.41]	**Vit A** [1.25]	**Neonatal** [1.24]	**Dermatitis** [0.95]	**Asthma** [0.97]	**Diarrhea** [1.28]	**Epilepsy** [1.29]	**Congenital** [0.97]	**Conduct** [0.94]	**Skin Viral** [0.9]
Niger	**Iron** [1.3]	**Vit A** [0.7]	**Malaria** [1.04]	**Dermatitis** [0.94]	**Asthma** [0.82]	**Hemog** [1.13]	**Congenital** [0.9]	**Diarrhea** [0.81]	**Neonatal** [0.98]	**Epilepsy** [0.83]
Nigeria	**Iron** [2.58]	**Vit A** [1.56]	**Hemog** [3.49]	**Dermatitis** [0.83]	**Congenital** [1.41]	**Malaria** [34.81]	**Asthma** [0.62]	**Epilepsy** [1.14]	**Neonatal** [0.49]	**Oth NTD** [1.71]
Sao Tome Principe	**Vit A** [1.53]	**Iron** [1.23]	**Neonatal** [1.24]	**Dermatitis** [0.95]	**Diarrhea** [1.31]	**Asthma** [0.7]	**Epilepsy** [1.3]	**Congenital** [0.99]	**Conduct** [0.93]	**Skin Viral** [0.9]
Senegal	**Iron** [1.45]	**Vit A** [0.99]	**Neonatal** [1.54]	**Dermatitis** [0.95]	**Diarrhea** [1.26]	**Epilepsy** [1.15]	**Congenital** [0.98]	**Asthma** [0.63]	**Conduct** [0.96]	**Skin Viral** [0.92]
Sierra Leone	**Iron** [1.68]	**Vit A** [1.09]	**Malaria** [5.31]	**Hemog** [2.75]	**Dermatitis** [0.95]	**Epilepsy** [1.21]	**Asthma** [0.76]	**Diarrhea** [1.06]	**Neonatal** [0.76]	**Oncho** [60.2]
Togo	**Vit A** [1.15]	**Iron** [1.02]	**Malaria** [15.05]	**Neonatal** [1.12]	**Dermatitis** [0.95]	**Asthma** [0.84]	**Epilepsy** [1.27]	**Diarrhea** [1.17]	**Hemog** [1.93]	**Congenital** [0.99]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Global	Headaches [0.85]	Iron [1.82]	Neonatal [1.09]	Conduct [0.9]	Anxiety [0.88]	Depression [0.9]	Back Pain [0.82]	Dermatitis [0.82]	Congenital [0.99]	Vit A [2.88]
Low SDI	Iron [1.17]	Headaches [0.92]	Conduct [0.9]	Neonatal [1.43]	Anxiety [0.94]	Depression [0.92]	Back Pain [0.77]	Vit A [1.33]	Dermatitis [0.9]	Congenital [1.04]
Low-middle SDI	Iron [1.53]	Headaches [0.95]	Neonatal [1.15]	Conduct [0.89]	Anxiety [0.92]	Back Pain [0.91]	Depression [0.9]	Dermatitis [0.85]	Congenital [1.05]	Vit A [1.92]
Middle SDI	Headaches [0.81]	Neonatal [1.21]	Conduct [0.88]	Anxiety [0.78]	Back Pain [0.75]	Iron [1.1]	Depression [0.73]	Congenital [0.93]	Dermatitis [0.7]	Asthma [0.71]
High-middle SDI	Headaches [0.79]	Neonatal [1.25]	Back Pain [0.82]	Anxiety [0.76]	Conduct [0.95]	Depression [0.87]	Iron [2.32]	Dermatitis [0.63]	Congenital [0.91]	Asthma [0.65]
High SDI	Headaches [0.93]	Anxiety [1.16]	Depression [1.33]	Back Pain [1.05]	Conduct [0.98]	Drugs [3.14]	Neonatal [0.89]	Acne [1.63]	Dermatitis [1.12]	Asthma [0.97]
Central Europe, Eastern Europe, and Central Asia	Headaches [0.9]	Neonatal [1.38]	Conduct [1.03]	Back Pain [0.8]	Falls [1.9]	Anxiety [0.62]	Depression [0.71]	Iron [2.19]	Upper Digest [3.35]	Congenital [1.11]
Central Asia	Headaches [0.88]	Iron [2.39]	Conduct [0.98]	Neonatal [0.93]	Back Pain [0.74]	Depression [0.79]	Anxiety [0.59]	Falls [1.64]	Epilepsy [1.45]	Congenital [1.1]
Armenia	Headaches [0.86]	Conduct [1.0]	Neonatal [0.98]	Iron [1.82]	Back Pain [0.74]	Depression [0.71]	Anxiety [0.57]	Falls [1.47]	Congenital [1.11]	Epilepsy [1.32]
Azerbaijan	Headaches [0.87]	Conduct [1.0]	Neonatal [0.89]	Iron [1.74]	Back Pain [0.72]	Depression [0.66]	Anxiety [0.57]	Falls [1.48]	Congenital [1.07]	Epilepsy [1.43]
Georgia	Headaches [0.87]	Conduct [1.0]	Neonatal [0.97]	Depression [0.72]	Back Pain [0.64]	Anxiety [0.58]	Iron [1.27]	Congenital [1.13]	Epilepsy [1.36]	Falls [1.23]
Kazakhstan	Headaches [0.86]	Conduct [1.01]	Neonatal [1.01]	Depression [0.91]	Back Pain [0.75]	Iron [2.14]	Anxiety [0.56]	Falls [1.3]	Congenital [1.12]	Epilepsy [1.54]
Kyrgyzstan	Headaches [0.9]	Iron [1.86]	Conduct [0.97]	Neonatal [1.03]	Depression [0.84]	Back Pain [0.78]	Anxiety [0.64]	Falls [2.16]	Congenital [1.12]	Epilepsy [1.15]
Mongolia	Headaches [0.88]	Conduct [0.98]	Neonatal [0.98]	Depression [0.96]	Iron [1.27]	Back Pain [0.74]	Anxiety [0.61]	Falls [2.08]	Vit A [4.49]	Congenital [1.12]
Tajikistan	Headaches [0.93]	Conduct [0.97]	Iron [0.94]	Neonatal [1.04]	Back Pain [0.8]	Depression [0.71]	Anxiety [0.67]	Falls [2.82]	Epilepsy [1.26]	Congenital [1.12]
Turkmenistan	Headaches [0.87]	Conduct [0.99]	Iron [1.83]	Neonatal [0.83]	Back Pain [0.71]	Depression [0.76]	Anxiety [0.58]	Falls [1.56]	Congenital [1.1]	Epilepsy [1.45]
Uzbekistan	Iron [2.73]	Headaches [0.89]	Conduct [0.97]	Neonatal [0.91]	Back Pain [0.76]	Depression [0.81]	Anxiety [0.63]	Falls [1.92]	Epilepsy [1.41]	Congenital [1.08]
Central Europe	Headaches [0.87]	Neonatal [1.43]	Falls [2.28]	Back Pain [0.91]	Conduct [1.03]	Anxiety [0.69]	Depression [0.59]	Congenital [1.28]	Upper Digest [3.4]	Dermatitis [0.7]
Albania	Headaches [0.9]	Back Pain [1.13]	Neonatal [1.19]	Falls [3.35]	Conduct [0.97]	Anxiety [0.79]	Depression [0.65]	Congenital [1.23]	Iron [0.8]	Upper Digest [2.93]
Bosnia	Headaches [0.89]	Neonatal [1.42]	Falls [3.19]	Conduct [0.98]	Back Pain [0.92]	Anxiety [0.77]	Depression [0.66]	Congenital [1.24]	Upper Digest [2.57]	Iron [0.84]
Bulgaria	Headaches [0.87]	Neonatal [1.26]	Conduct [1.02]	Falls [2.35]	Back Pain [0.86]	Anxiety [0.74]	Depression [0.61]	Congenital [1.33]	Upper Digest [2.65]	Dermatitis [0.56]
Croatia	Headaches [0.88]	Neonatal [1.55]	Conduct [1.03]	Back Pain [0.89]	Anxiety [0.69]	Depression [0.71]	Falls [1.39]	Congenital [1.27]	Acne [0.69]	Dermatitis [0.6]
Czech	Headaches [0.87]	Falls [2.55]	Back Pain [1.01]	Conduct [1.06]	Neonatal [0.93]	Anxiety [0.67]	Depression [0.65]	Congenital [1.16]	Dermatitis [0.71]	Drugs [1.21]
Hungary	Headaches [0.88]	Neonatal [1.37]	Back Pain [1.01]	Falls [2.33]	Conduct [1.03]	Anxiety [0.69]	Depression [0.62]	Congenital [1.28]	Dermatitis [0.83]	Diarrhea [3.64]
Macedonia	Headaches [0.88]	Neonatal [1.38]	Falls [2.66]	Conduct [1.0]	Anxiety [0.73]	Back Pain [0.69]	Depression [0.61]	Iron [1.74]	Congenital [1.22]	Upper Digest [2.57]
Montenegro	Headaches [0.88]	Neonatal [1.35]	Back Pain [0.96]	Falls [2.44]	Conduct [1.02]	Anxiety [0.71]	Depression [0.64]	Congenital [1.24]	Upper Digest [2.71]	Dermatitis [0.61]
Poland	Headaches [0.88]	Neonatal [1.59]	Falls [2.11]	Conduct [1.04]	Back Pain [0.74]	Anxiety [0.68]	Depression [0.52]	Upper Digest [3.99]	Congenital [1.28]	Dermatitis [0.8]
Romania	Headaches [0.87]	Neonatal [1.47]	Back Pain [1.06]	Conduct [1.01]	Falls [2.37]	Iron [3.64]	Anxiety [0.67]	Upper Digest [4.92]	Depression [0.61]	Congenital [1.26]
Serbia	Neonatal [1.82]	Headaches [0.87]	Back Pain [1.0]	Falls [2.76]	Conduct [1.01]	Anxiety [0.73]	Depression [0.6]	Congenital [1.34]	Dermatitis [0.61]	Bipolar [0.78]
Slovakia	Headaches [0.88]	Back Pain [1.01]	Falls [2.13]	Conduct [1.04]	Neonatal [1.03]	Anxiety [0.68]	Depression [0.58]	Congenital [1.35]	Upper Digest [3.42]	Dermatitis [0.7]
Slovenia	Headaches [0.88]	Falls [2.44]	Back Pain [1.08]	Conduct [1.06]	Neonatal [1.09]	Anxiety [0.67]	Depression [0.68]	Congenital [1.32]	Upper Digest [3.41]	Acne [0.65]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Eastern Europe	Headaches [0.95]	Neonatal [1.65]	Conduct [1.08]	Back Pain [0.79]	Falls [1.82]	Depression [0.74]	Anxiety [0.6]	Upper Digest [5.16]	Congenital [1.04]	Dermatitis [0.68]
Belarus	Headaches [0.96]	Neonatal [1.66]	Conduct [1.01]	Back Pain [0.82]	Depression [0.82]	Falls [1.85]	Anxiety [0.62]	Upper Digest [4.97]	Dermatitis [0.77]	Congenital [1.03]
Estonia	Headaches [0.97]	Neonatal [1.72]	Conduct [1.07]	Back Pain [0.73]	Depression [0.83]	Falls [1.47]	Anxiety [0.57]	Upper Digest [5.65]	Dermatitis [1.03]	Congenital [1.06]
Latvia	Headaches [0.96]	Neonatal [1.57]	Conduct [1.04]	Back Pain [0.81]	Upper Digest [6.95]	Falls [1.6]	Anxiety [0.59]	Depression [0.68]	Dermatitis [0.72]	Congenital [0.98]
Lithuania	Headaches [1.05]	Neonatal [1.79]	Conduct [1.03]	Back Pain [0.78]	Depression [0.88]	Falls [1.57]	Anxiety [0.59]	Upper Digest [5.59]	Congenital [1.17]	Acne [0.65]
Moldova	Headaches [0.98]	Neonatal [1.79]	Conduct [0.98]	Upper Digest [6.7]	Back Pain [0.89]	Falls [2.65]	Depression [0.76]	Anxiety [0.69]	Iron [1.21]	Dermatitis [0.81]
Russian Federation	Headaches [0.94]	Neonatal [1.65]	Conduct [1.09]	Back Pain [0.73]	Falls [1.81]	Anxiety [0.6]	Depression [0.7]	Upper Digest [5.06]	Congenital [1.03]	Iron [1.7]
Ukraine	Headaches [0.97]	Neonatal [1.65]	Conduct [1.06]	Back Pain [0.98]	Depression [0.85]	Falls [2.06]	Upper Digest [5.21]	Anxiety [0.63]	Congenital [1.09]	Dermatitis [0.69]
High-income	Headaches [0.94]	Anxiety [1.1]	Depression [1.38]	Back Pain [1.03]	Conduct [1.03]	Drugs [2.89]	Neonatal [0.89]	Acne [1.26]	Dermatitis [1.14]	Asthma [0.98]
Australasia	Depression [1.62]	Anxiety [1.26]	Headaches [0.88]	Back Pain [1.22]	Falls [1.94]	Conduct [1.02]	Asthma [1.87]	Neonatal [0.89]	Acne [1.09]	Bipolar [1.48]
Australia	Depression [1.65]	Anxiety [1.21]	Headaches [0.88]	Back Pain [1.17]	Falls [1.87]	Asthma [1.95]	Conduct [1.0]	Neonatal [0.87]	Drugs [2.07]	Acne [1.08]
New Zealand	Anxiety [1.55]	Back Pain [1.51]	Headaches [0.89]	Depression [1.49]	Falls [2.34]	Conduct [1.09]	Neonatal [1.02]	Asthma [1.5]	Dermatitis [1.25]	Bipolar [1.48]
High-income Asia Pacific	Back Pain [1.19]	Headaches [0.75]	Neonatal [1.12]	Anxiety [0.78]	Conduct [0.99]	Depression [0.94]	Acne [1.26]	Falls [1.18]	Dermatitis [1.15]	Iron [2.79]
Brunei	Headaches [0.74]	Back Pain [0.96]	Neonatal [1.13]	Anxiety [0.8]	Conduct [0.93]	Depression [0.86]	Dermatitis [1.07]	Acne [1.08]	Falls [1.07]	Iron [2.28]
Japan	Back Pain [1.27]	Headaches [0.7]	Neonatal [1.11]	Conduct [1.03]	Anxiety [0.77]	Depression [0.92]	Falls [1.31]	Acne [1.27]	Dermatitis [1.21]	Iron [3.33]
Aichi	Back Pain [1.26]	Neonatal [1.13]	Conduct [1.04]	Anxiety [0.76]	Headaches [0.56]	Depression [0.92]	Falls [1.27]	Acne [1.24]	Dermatitis [1.22]	Iron [3.11]
Akita	Back Pain [1.29]	Headaches [0.71]	Neonatal [1.22]	Conduct [1.01]	Depression [0.98]	Anxiety [0.79]	Falls [1.42]	Dermatitis [1.22]	Acne [1.36]	Iron [2.56]
Aomori	Back Pain [1.29]	Headaches [0.71]	Neonatal [1.14]	Conduct [1.0]	Anxiety [0.79]	Depression [0.95]	Falls [1.44]	Dermatitis [1.22]	Acne [1.35]	Iron [3.03]
Chiba	Back Pain [1.26]	Headaches [0.71]	Conduct [1.03]	Neonatal [1.1]	Anxiety [0.77]	Depression [0.92]	Falls [1.32]	Acne [1.28]	Dermatitis [1.22]	Iron [3.33]
Ehime	Back Pain [1.25]	Headaches [0.71]	Conduct [1.02]	Anxiety [0.78]	Depression [0.91]	Neonatal [0.93]	Falls [1.37]	Dermatitis [1.22]	Acne [1.31]	Iron [3.01]
Fukui	Back Pain [1.26]	Headaches [0.71]	Conduct [1.02]	Neonatal [1.1]	Anxiety [0.77]	Depression [0.89]	Falls [1.34]	Acne [1.31]	Dermatitis [1.22]	Iron [3.31]
Fukuoka	Back Pain [1.26]	Headaches [0.71]	Conduct [1.03]	Neonatal [1.09]	Anxiety [0.77]	Depression [0.91]	Falls [1.34]	Acne [1.3]	Dermatitis [1.21]	Iron [3.75]
Fukushima	Back Pain [1.28]	Headaches [0.7]	Conduct [1.01]	Neonatal [1.05]	Anxiety [0.79]	Depression [0.92]	Falls [1.42]	Dermatitis [1.22]	Acne [1.34]	Iron [2.82]
Gifu	Back Pain [1.29]	Headaches [0.71]	Neonatal [1.14]	Conduct [1.02]	Anxiety [0.78]	Depression [0.78]	Falls [1.35]	Dermatitis [1.22]	Acne [1.3]	Iron [3.48]
Gunma	Back Pain [1.28]	Headaches [0.71]	Conduct [1.02]	Neonatal [1.08]	Anxiety [0.78]	Depression [0.95]	Falls [1.36]	Acne [1.3]	Dermatitis [1.21]	Iron [3.95]
Hiroshima	Back Pain [1.24]	Headaches [0.71]	Neonatal [1.15]	Conduct [1.04]	Anxiety [0.76]	Depression [0.88]	Falls [1.29]	Acne [1.26]	Dermatitis [1.22]	Iron [3.68]
Hokkaido	Back Pain [1.28]	Headaches [0.71]	Conduct [1.01]	Neonatal [1.08]	Anxiety [0.78]	Depression [0.93]	Falls [1.39]	Dermatitis [1.21]	Acne [1.33]	Iron [3.66]
Hyogo	Back Pain [1.26]	Headaches [0.72]	Neonatal [1.12]	Conduct [1.03]	Anxiety [0.77]	Depression [0.94]	Falls [1.31]	Acne [1.29]	Dermatitis [1.22]	Iron [3.08]
Ibaraki	Back Pain [1.27]	Headaches [0.62]	Neonatal [1.16]	Conduct [1.03]	Anxiety [0.77]	Depression [0.93]	Falls [1.34]	Acne [1.31]	Dermatitis [1.21]	Iron [2.52]
Ishikawa	Back Pain [1.26]	Headaches [0.72]	Conduct [1.02]	Neonatal [1.08]	Anxiety [0.77]	Depression [0.9]	Falls [1.34]	Acne [1.31]	Dermatitis [1.21]	Iron [3.22]
Iwate	Back Pain [1.29]	Headaches [0.71]	Neonatal [1.17]	Conduct [1.01]	Anxiety [0.79]	Depression [0.96]	Falls [1.43]	Dermatitis [1.22]	Acne [1.35]	Iron [2.93]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Kagawa	Back Pain [1.24]	Headaches [0.71]	Conduct [1.02]	Neonatal [1.06]	Anxiety [0.78]	Depression [0.88]	Falls [1.33]	Dermatitis [1.22]	Acne [1.3]	Iron [3.37]
Kagoshima	Back Pain [1.25]	Headaches [0.7]	Conduct [1.02]	Anxiety [0.79]	Neonatal [0.97]	Depression [0.78]	Falls [1.41]	Dermatitis [1.23]	Acne [1.31]	Iron [2.56]
Kanagawa	Back Pain [1.26]	Headaches [0.72]	Neonatal [1.15]	Conduct [1.04]	Anxiety [0.76]	Depression [0.95]	Falls [1.3]	Acne [1.26]	Dermatitis [1.21]	Iron [3.01]
Kochi	Back Pain [1.27]	Headaches [0.71]	Conduct [1.01]	Neonatal [1.04]	Anxiety [0.79]	Depression [0.9]	Iron [3.9]	Dermatitis [1.22]	Falls [1.41]	Acne [1.35]
Kumamoto	Back Pain [1.25]	Headaches [0.7]	Conduct [1.02]	Anxiety [0.79]	Neonatal [1.02]	Depression [0.89]	Falls [1.42]	Dermatitis [1.22]	Acne [1.34]	Iron [3.14]
Kyoto	Back Pain [1.29]	Headaches [0.73]	Neonatal [1.15]	Conduct [1.03]	Anxiety [0.76]	Depression [0.94]	Falls [1.29]	Acne [1.27]	Dermatitis [0.91]	Iron [3.35]
Mie	Back Pain [1.25]	Headaches [0.71]	Neonatal [1.14]	Conduct [1.03]	Anxiety [0.77]	Depression [0.89]	Falls [1.32]	Acne [1.29]	Dermatitis [1.22]	Iron [4.11]
Miyagi	Back Pain [1.29]	Headaches [0.72]	Conduct [1.02]	Neonatal [1.06]	Anxiety [0.78]	Depression [0.97]	Falls [1.37]	Acne [1.34]	Dermatitis [1.21]	Iron [3.2]
Miyazaki	Back Pain [1.26]	Headaches [0.7]	Conduct [1.01]	Anxiety [0.79]	Neonatal [1.02]	Depression [0.91]	Iron [4.08]	Falls [1.43]	Dermatitis [1.22]	Acne [1.34]
Nagano	Back Pain [1.26]	Headaches [0.71]	Neonatal [1.17]	Conduct [1.03]	Anxiety [0.77]	Depression [0.9]	Falls [1.35]	Acne [1.31]	Dermatitis [1.22]	Iron [3.8]
Nagasaki	Back Pain [1.25]	Headaches [0.71]	Conduct [1.01]	Anxiety [0.79]	Neonatal [1.02]	Depression [0.89]	Falls [1.44]	Dermatitis [1.22]	Acne [1.35]	Iron [3.42]
Nara	Back Pain [1.31]	Headaches [0.72]	Conduct [1.02]	Anxiety [0.78]	Neonatal [1.0]	Depression [0.91]	Falls [1.37]	Acne [1.31]	Dermatitis [1.21]	Iron [3.1]
Niigata	Back Pain [1.43]	Headaches [0.71]	Neonatal [1.13]	Conduct [1.02]	Anxiety [0.78]	Depression [0.97]	Falls [1.37]	Acne [1.33]	Dermatitis [1.22]	Iron [2.89]
Oita	Back Pain [1.25]	Headaches [0.71]	Neonatal [1.17]	Conduct [1.02]	Anxiety [0.78]	Depression [0.91]	Falls [1.36]	Dermatitis [1.22]	Acne [1.32]	Iron [3.49]
Okayama	Back Pain [1.27]	Headaches [0.72]	Neonatal [1.18]	Conduct [1.03]	Anxiety [0.77]	Depression [0.9]	Falls [1.33]	Acne [1.3]	Dermatitis [1.21]	Asthma [0.68]
Okinawa	Back Pain [1.25]	Headaches [0.7]	Conduct [1.01]	Neonatal [1.08]	Anxiety [0.79]	Depression [0.88]	Falls [1.47]	Dermatitis [1.22]	Acne [1.34]	Iron [3.46]
Osaka	Back Pain [1.28]	Headaches [0.72]	Conduct [1.03]	Anxiety [0.76]	Neonatal [1.05]	Depression [0.96]	Falls [1.31]	Acne [1.26]	Dermatitis [1.21]	Congenital [1.07]
Saga	Back Pain [1.26]	Headaches [0.71]	Conduct [1.01]	Neonatal [1.06]	Anxiety [0.79]	Depression [0.88]	Falls [1.39]	Dermatitis [1.22]	Acne [1.33]	Iron [3.3]
Saitama	Back Pain [1.31]	Headaches [0.71]	Conduct [1.02]	Neonatal [1.09]	Anxiety [0.78]	Depression [0.95]	Falls [1.38]	Acne [1.31]	Dermatitis [1.21]	Iron [3.41]
Shiga	Back Pain [1.26]	Headaches [0.71]	Conduct [1.04]	Anxiety [0.76]	Neonatal [1.04]	Depression [0.89]	Dermatitis [1.5]	Falls [1.29]	Acne [1.26]	Iron [3.47]
Shimane	Back Pain [1.18]	Headaches [0.7]	Conduct [1.02]	Neonatal [1.05]	Anxiety [0.79]	Depression [0.92]	Falls [1.41]	Dermatitis [1.21]	Acne [1.33]	Iron [3.08]
Shizuoka	Back Pain [1.24]	Headaches [0.71]	Neonatal [1.22]	Conduct [1.04]	Anxiety [0.77]	Depression [0.9]	Falls [1.3]	Acne [1.28]	Dermatitis [1.22]	Iron [3.65]
Tochigi	Back Pain [1.27]	Headaches [0.71]	Neonatal [1.17]	Conduct [1.03]	Anxiety [0.77]	Depression [0.9]	Falls [1.32]	Dermatitis [1.22]	Acne [1.29]	Congenital [1.36]
Tokushima	Back Pain [1.26]	Headaches [0.72]	Neonatal [1.11]	Conduct [1.01]	Anxiety [0.78]	Depression [0.91]	Falls [1.35]	Dermatitis [1.22]	Acne [1.3]	Iron [2.88]
Tokyo	Back Pain [1.24]	Headaches [0.73]	Neonatal [1.15]	Conduct [1.08]	Anxiety [0.73]	Depression [0.88]	Acne [1.16]	Falls [1.15]	Dermatitis [1.23]	Congenital [1.19]
Tottori	Back Pain [1.26]	Headaches [0.66]	Neonatal [1.13]	Conduct [1.01]	Anxiety [0.79]	Depression [0.91]	Falls [1.39]	Dermatitis [1.22]	Acne [1.33]	Iron [2.68]
Toyama	Back Pain [1.25]	Headaches [0.71]	Conduct [1.04]	Neonatal [1.07]	Anxiety [0.77]	Depression [0.91]	Falls [1.3]	Acne [1.28]	Dermatitis [1.22]	Iron [4.23]
Wakayama	Back Pain [1.44]	Headaches [0.71]	Neonatal [1.17]	Conduct [1.02]	Anxiety [0.78]	Depression [0.92]	Falls [1.38]	Dermatitis [1.22]	Acne [1.31]	Iron [3.13]
Yamagata	Back Pain [1.28]	Headaches [0.71]	Conduct [1.01]	Anxiety [0.79]	Neonatal [0.96]	Depression [0.88]	Falls [1.44]	Dermatitis [1.22]	Acne [1.35]	Iron [3.56]
Yamaguchi	Back Pain [1.25]	Headaches [0.71]	Conduct [1.02]	Anxiety [0.78]	Neonatal [0.98]	Depression [0.91]	Falls [1.33]	Acne [1.31]	Dermatitis [1.22]	Iron [3.22]
Yamanashi	Back Pain [1.28]	Headaches [0.71]	Neonatal [1.23]	Conduct [1.03]	Anxiety [0.77]	Depression [0.91]	Falls [1.33]	Acne [1.29]	Dermatitis [1.2]	Iron [3.84]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
S Korea	Headaches [0.86]	Back Pain [1.06]	Neonatal [1.14]	Anxiety [0.83]	Depression [0.97]	Conduct [0.89]	Acne [1.29]	Dermatitis [1.03]	Falls [0.97]	Drugs [1.22]
Singapore	Headaches [0.72]	Depression [1.24]	Back Pain [0.91]	Neonatal [1.14]	Anxiety [0.82]	Conduct [0.89]	Acne [1.23]	Falls [1.03]	Dermatitis [0.95]	Drugs [1.25]
High-income North America	Depression [1.83]	Headaches [1.02]	Drugs [5.6]	Anxiety [1.02]	Conduct [1.2]	Back Pain [0.83]	Neonatal [0.86]	Acne [1.21]	Dermatitis [1.18]	Oth MSK [5.79]
Canada	Headaches [1.04]	Drugs [5.09]	Depression [1.36]	Back Pain [0.93]	Anxiety [0.83]	Conduct [1.02]	Acne [1.25]	Dermatitis [1.22]	Neonatal [0.6]	Asthma [0.99]
Greenland	Depression [2.51]	Headaches [1.01]	Drugs [4.51]	Anxiety [1.04]	Conduct [0.98]	Back Pain [0.79]	Dermatitis [1.17]	Neonatal [0.59]	Asthma [1.1]	Acne [1.28]
USA	Depression [1.87]	Drugs [5.66]	Headaches [1.01]	Anxiety [1.05]	Conduct [1.21]	Back Pain [0.82]	Neonatal [0.88]	Oth MSK [5.98]	Acne [1.21]	Dermatitis [1.17]
Alabama	Drugs [6.86]	Depression [1.84]	Headaches [1.02]	Anxiety [1.08]	Back Pain [1.05]	Conduct [1.17]	Neonatal [0.87]	Oth MSK [6.4]	Dermatitis [1.02]	Acne [1.08]
Alaska	Depression [1.87]	Drugs [5.81]	Headaches [1.01]	Anxiety [1.05]	Conduct [1.21]	Back Pain [0.93]	Neonatal [0.84]	Oth MSK [6.43]	Dermatitis [1.0]	Acne [0.85]
Arizona	Drugs [7.34]	Depression [2.13]	Headaches [1.01]	Anxiety [1.07]	Conduct [1.18]	Back Pain [0.9]	Neonatal [0.88]	Dermatitis [1.19]	Oth MSK [6.22]	Acne [1.23]
Arkansas	Depression [2.15]	Drugs [6.93]	Headaches [1.02]	Anxiety [1.09]	Conduct [1.17]	Back Pain [0.82]	Neonatal [0.77]	Dermatitis [0.94]	Oth MSK [4.93]	Acne [0.98]
California	Depression [1.83]	Headaches [1.02]	Drugs [4.25]	Anxiety [1.02]	Conduct [1.21]	Back Pain [0.7]	Dermatitis [1.31]	Acne [1.3]	Neonatal [0.73]	Oth MSK [5.39]
Colorado	Depression [2.07]	Headaches [1.02]	Drugs [4.84]	Anxiety [1.04]	Conduct [1.22]	Back Pain [0.83]	Neonatal [0.89]	Oth MSK [6.29]	Acne [1.13]	Dermatitis [1.03]
Connecticut	Drugs [7.08]	Headaches [1.04]	Depression [1.67]	Anxiety [1.02]	Conduct [1.23]	Neonatal [1.03]	Back Pain [0.7]	Dermatitis [1.37]	Acne [1.27]	Oth MSK [6.07]
Delaware	Drugs [7.67]	Depression [1.97]	Headaches [1.03]	Anxiety [1.05]	Conduct [1.2]	Back Pain [0.72]	Neonatal [0.85]	Oth MSK [5.99]	Dermatitis [1.06]	Acne [1.04]
DC	Drugs [5.92]	Headaches [1.06]	Depression [1.63]	Anxiety [1.06]	Conduct [1.2]	Dermatitis [1.53]	Acne [1.45]	Neonatal [0.89]	Back Pain [0.52]	Oth MSK [4.76]
Florida	Drugs [5.83]	Depression [1.83]	Headaches [1.03]	Anxiety [1.06]	Conduct [1.2]	Neonatal [0.98]	Back Pain [0.73]	Acne [1.24]	Dermatitis [1.14]	Oth MSK [4.74]
Georgia	Headaches [1.02]	Depression [1.77]	Drugs [5.37]	Anxiety [1.07]	Conduct [1.19]	Back Pain [0.8]	Neonatal [0.81]	Dermatitis [1.26]	Acne [1.28]	Oth MSK [5.7]
Hawaii	Depression [1.85]	Headaches [1.02]	Anxiety [1.04]	Conduct [1.21]	Drugs [2.92]	Dermatitis [1.41]	Neonatal [0.81]	Acne [1.32]	Back Pain [0.58]	Oth MSK [4.42]
Idaho	Depression [2.07]	Headaches [1.01]	Drugs [5.5]	Anxiety [1.07]	Conduct [1.19]	Back Pain [0.84]	Oth MSK [6.93]	Neonatal [0.73]	Acne [1.14]	Dermatitis [0.95]
Illinois	Headaches [1.03]	Depression [1.7]	Drugs [4.84]	Anxiety [1.04]	Conduct [1.21]	Back Pain [0.9]	Neonatal [1.03]	Oth MSK [6.49]	Acne [1.2]	Dermatitis [1.03]
Indiana	Drugs [6.67]	Depression [1.98]	Headaches [1.02]	Anxiety [1.07]	Conduct [1.18]	Back Pain [0.96]	Neonatal [0.84]	Oth MSK [6.68]	Dermatitis [1.04]	Acne [1.11]
Iowa	Headaches [1.02]	Depression [1.78]	Back Pain [1.43]	Anxiety [1.05]	Conduct [1.2]	Oth MSK [7.81]	Drugs [2.84]	Neonatal [0.85]	Acne [1.09]	Dermatitis [0.95]
Kansas	Depression [1.89]	Headaches [1.02]	Back Pain [1.13]	Anxiety [1.05]	Conduct [1.2]	Drugs [3.56]	Neonatal [0.9]	Oth MSK [6.45]	Acne [1.06]	Dermatitis [0.99]
Kentucky	Drugs [10.19]	Depression [1.99]	Headaches [1.01]	Anxiety [1.08]	Back Pain [1.09]	Conduct [1.17]	Neonatal [0.86]	Oth MSK [7.19]	Acne [1.33]	Dermatitis [1.05]
Louisiana	Drugs [7.58]	Headaches [1.02]	Depression [1.78]	Anxiety [1.08]	Conduct [1.18]	Back Pain [0.87]	Neonatal [0.79]	Acne [1.39]	Dermatitis [1.11]	Oth MSK [5.93]
Maine	Drugs [7.37]	Depression [1.95]	Headaches [1.02]	Anxiety [1.05]	Conduct [1.2]	Back Pain [0.89]	Oth MSK [8.35]	Neonatal [0.88]	Asthma [1.03]	Acne [0.91]
Maryland	Depression [1.78]	Headaches [1.03]	Drugs [4.57]	Anxiety [1.03]	Conduct [1.23]	Neonatal [1.02]	Back Pain [0.66]	Dermatitis [1.33]	Acne [1.16]	Oth MSK [5.14]
Massachusetts	Drugs [7.04]	Depression [1.81]	Headaches [1.05]	Anxiety [1.02]	Conduct [1.24]	Neonatal [0.98]	Back Pain [0.68]	Oth MSK [5.94]	Acne [1.15]	Dermatitis [1.23]
Michigan	Drugs [6.32]	Depression [1.93]	Headaches [0.83]	Anxiety [1.05]	Conduct [1.2]	Back Pain [0.79]	Neonatal [0.87]	Oth MSK [6.61]	Acne [1.23]	Dermatitis [1.08]
Minnesota	Depression [1.83]	Headaches [1.03]	Anxiety [1.03]	Conduct [1.23]	Drugs [2.85]	Back Pain [0.72]	Neonatal [0.92]	Oth MSK [6.05]	Acne [1.07]	Dermatitis [0.92]
Mississippi	Drugs [6.4]	Headaches [1.02]	Depression [1.8]	Anxiety [1.1]	Conduct [1.17]	Back Pain [0.74]	Neonatal [0.84]	Dermatitis [0.93]	Oth MSK [4.75]	Acne [0.93]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Missouri	Depression [2.01]	Drugs [5.75]	Headaches [1.02]	Anxiety [1.06]	Conduct [1.19]	Back Pain [0.9]	Neonatal [0.9]	Oth MSK [6.69]	Acne [1.14]	Dermatitis [0.98]
Montana	Depression [1.97]	Headaches [1.01]	Drugs [5.31]	Anxiety [1.05]	Conduct [1.21]	Back Pain [0.94]	Oth MSK [7.42]	Neonatal [0.85]	Acne [1.0]	Dermatitis [0.9]
Nebraska	Headaches [1.02]	Depression [1.76]	Back Pain [1.22]	Anxiety [1.04]	Conduct [1.22]	Drugs [3.0]	Neonatal [0.85]	Oth MSK [6.02]	Acne [1.08]	Dermatitis [0.94]
Nevada	Drugs [7.34]	Depression [1.96]	Headaches [1.01]	Anxiety [1.07]	Conduct [1.19]	Back Pain [0.71]	Neonatal [0.83]	Dermatitis [1.11]	Oth MSK [5.5]	Acne [1.03]
New Hampshire	Drugs [7.97]	Depression [2.03]	Headaches [1.04]	Anxiety [1.02]	Conduct [1.23]	Back Pain [0.83]	Oth MSK [6.5]	Neonatal [0.83]	Dermatitis [0.97]	Acne [0.91]
New Jersey	Drugs [5.52]	Headaches [1.03]	Depression [1.57]	Anxiety [1.02]	Conduct [1.23]	Back Pain [0.77]	Neonatal [0.93]	Dermatitis [1.43]	Acne [1.3]	Oth MSK [5.66]
New Mexico	Depression [2.14]	Drugs [6.46]	Headaches [1.01]	Anxiety [1.08]	Conduct [1.18]	Back Pain [0.96]	Neonatal [0.93]	Oth MSK [6.61]	Acne [1.14]	Dermatitis [1.01]
New York	Depression [1.94]	Headaches [1.03]	Drugs [5.1]	Anxiety [1.03]	Conduct [1.22]	Neonatal [0.97]	Acne [1.48]	Dermatitis [1.5]	Back Pain [0.69]	Oth MSK [6.16]
N Carolina	Depression [1.83]	Headaches [1.02]	Drugs [5.72]	Anxiety [1.0]	Conduct [1.11]	Back Pain [0.72]	Neonatal [0.89]	Acne [1.22]	Dermatitis [1.09]	Oth MSK [5.4]
N Dakota	Headaches [1.02]	Depression [1.7]	Anxiety [1.04]	Back Pain [1.02]	Conduct [1.22]	Oth MSK [9.65]	Drugs [2.79]	Neonatal [0.92]	Acne [1.01]	Dermatitis [0.86]
Ohio	Drugs [8.17]	Depression [1.9]	Headaches [1.02]	Anxiety [1.06]	Conduct [1.19]	Back Pain [0.87]	Neonatal [0.83]	Oth MSK [6.53]	Dermatitis [1.13]	Acne [1.14]
Oklahoma	Drugs [7.79]	Depression [1.96]	Headaches [1.01]	Anxiety [1.07]	Conduct [1.18]	Back Pain [0.98]	Oth MSK [7.18]	Neonatal [0.79]	Dermatitis [1.17]	Acne [1.09]
Oregon	Drugs [7.22]	Depression [2.05]	Headaches [1.02]	Anxiety [0.97]	Conduct [1.1]	Back Pain [0.76]	Oth MSK [6.67]	Dermatitis [1.22]	Neonatal [0.76]	Acne [1.08]
Pennsylvania	Drugs [7.93]	Depression [1.84]	Headaches [0.93]	Anxiety [1.04]	Back Pain [1.04]	Conduct [1.21]	Oth MSK [7.09]	Neonatal [0.87]	Acne [1.2]	Dermatitis [1.19]
Rhode Island	Drugs [8.95]	Depression [2.02]	Headaches [1.04]	Anxiety [1.04]	Conduct [1.21]	Back Pain [0.68]	Neonatal [0.84]	Oth MSK [5.74]	Acne [1.13]	Dermatitis [1.08]
S Carolina	Drugs [6.93]	Depression [1.91]	Headaches [1.02]	Anxiety [1.07]	Conduct [1.18]	Back Pain [0.86]	Neonatal [0.83]	Dermatitis [1.26]	Oth MSK [5.96]	Acne [1.21]
S Dakota	Headaches [1.01]	Depression [1.65]	Back Pain [1.23]	Anxiety [1.05]	Conduct [1.21]	Oth MSK [8.25]	Drugs [2.82]	Neonatal [0.75]	Acne [1.12]	Dermatitis [0.88]
Tennessee	Drugs [8.23]	Depression [1.95]	Headaches [1.02]	Anxiety [1.08]	Conduct [1.17]	Back Pain [0.85]	Neonatal [0.83]	Oth MSK [6.0]	Dermatitis [1.07]	Acne [1.12]
Texas	Depression [1.81]	Headaches [1.01]	Anxiety [1.07]	Conduct [1.33]	Drugs [3.63]	Back Pain [0.8]	Neonatal [0.96]	Dermatitis [1.19]	Acne [1.27]	Oth MSK [5.46]
Utah	Depression [2.24]	Drugs [6.51]	Headaches [1.01]	Anxiety [1.06]	Conduct [1.19]	Back Pain [0.83]	Neonatal [0.81]	Acne [1.18]	Oth MSK [5.72]	Dermatitis [0.95]
Vermont	Drugs [5.98]	Depression [1.89]	Headaches [1.04]	Anxiety [1.04]	Conduct [1.23]	Back Pain [0.77]	Neonatal [0.93]	Oth MSK [5.92]	Dermatitis [0.92]	Acne [0.83]
Virginia	Depression [1.98]	Headaches [1.03]	Drugs [4.7]	Anxiety [1.04]	Conduct [1.22]	Back Pain [0.75]	Neonatal [0.95]	Dermatitis [1.33]	Acne [1.11]	Oth MSK [5.4]
Washington	Depression [2.03]	Drugs [5.64]	Headaches [1.02]	Anxiety [1.03]	Conduct [1.22]	Back Pain [0.83]	Oth MSK [7.33]	Neonatal [0.81]	Dermatitis [1.18]	Acne [1.12]
W Virginia	Drugs [12.25]	Depression [2.0]	Headaches [1.01]	Anxiety [1.09]	Conduct [1.16]	Back Pain [0.92]	Neonatal [0.83]	Oth MSK [6.1]	Dermatitis [1.05]	Acne [1.18]
Wisconsin	Depression [1.97]	Drugs [5.96]	Headaches [1.02]	Anxiety [1.04]	Conduct [1.21]	Back Pain [0.94]	Neonatal [0.93]	Oth MSK [6.17]	Acne [1.06]	Dermatitis [0.92]
Wyoming	Depression [2.08]	Headaches [1.01]	Back Pain [1.15]	Anxiety [1.04]	Conduct [1.22]	Drugs [3.5]	Oth MSK [6.89]	Neonatal [0.71]	Dermatitis [0.92]	Acne [0.75]
Southern Latin America	Anxiety [1.36]	Back Pain [1.36]	Depression [1.38]	Headaches [0.66]	Conduct [0.93]	Neonatal [0.99]	Dermatitis [1.02]	Drugs [1.82]	Acne [1.31]	Asthma [0.9]
Argentina	Anxiety [1.38]	Back Pain [1.23]	Depression [1.35]	Headaches [0.63]	Conduct [0.93]	Neonatal [0.97]	Dermatitis [0.95]	Drugs [1.87]	Acne [1.3]	Asthma [0.89]
Chile	Back Pain [1.8]	Anxiety [1.32]	Depression [1.51]	Headaches [0.71]	Conduct [0.92]	Neonatal [1.01]	Dermatitis [1.22]	Acne [1.33]	Drugs [1.73]	Asthma [0.89]
Uruguay	Anxiety [1.39]	Headaches [0.67]	Back Pain [1.08]	Depression [1.12]	Conduct [0.93]	Neonatal [1.03]	Dermatitis [0.93]	Asthma [1.05]	Iron [1.1]	Acne [1.37]
Western Europe	Headaches [1.0]	Anxiety [1.24]	Back Pain [1.1]	Depression [1.09]	Conduct [0.91]	Neonatal [0.81]	Acne [1.34]	Dermatitis [1.13]	Asthma [1.11]	Falls [0.94]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Andorra	Headaches [1.02]	Anxiety [1.14]	Back Pain [1.06]	Depression [1.05]	Conduct [0.92]	Dermatitis [1.4]	Acne [1.27]	Neonatal [0.84]	Asthma [1.19]	Falls [0.86]
Austria	Headaches [1.04]	Anxiety [1.17]	Neonatal [1.36]	Back Pain [0.86]	Conduct [0.89]	Depression [0.77]	Acne [1.35]	Falls [0.95]	Asthma [0.96]	Bipolar [1.11]
Belgium	Headaches [1.25]	Anxiety [1.13]	Back Pain [0.94]	Depression [1.05]	Conduct [0.91]	Acne [1.14]	Falls [1.02]	Dermatitis [0.95]	Neonatal [0.55]	Bipolar [1.09]
Cyprus	Headaches [1.02]	Anxiety [1.18]	Back Pain [1.13]	Neonatal [1.09]	Depression [1.0]	Conduct [0.89]	Acne [1.29]	Falls [0.92]	Asthma [0.98]	Bipolar [1.12]
Denmark	Back Pain [1.38]	Anxiety [1.13]	Headaches [0.85]	Conduct [0.91]	Dermatitis [1.45]	Depression [0.79]	Acne [1.2]	Neonatal [0.66]	Asthma [1.05]	Falls [0.82]
Finland	Headaches [1.01]	Neonatal [1.7]	Depression [1.37]	Anxiety [0.83]	Conduct [0.9]	Dermatitis [1.48]	Back Pain [0.62]	Acne [1.27]	Falls [0.98]	Asthma [1.1]
France	Anxiety [1.41]	Headaches [0.83]	Back Pain [1.08]	Depression [1.12]	Conduct [0.9]	Acne [1.48]	Dermatitis [1.31]	Neonatal [0.64]	Asthma [1.09]	Falls [0.94]
Germany	Anxiety [1.4]	Back Pain [1.38]	Headaches [0.87]	Depression [1.04]	Conduct [0.9]	Neonatal [0.92]	Acne [1.16]	Dermatitis [0.91]	Falls [0.93]	Asthma [0.8]
Greece	Headaches [1.19]	Anxiety [1.33]	Depression [1.35]	Back Pain [0.95]	Conduct [0.87]	Neonatal [0.86]	Acne [1.49]	Falls [1.03]	Asthma [0.95]	Bipolar [1.11]
Iceland	Headaches [1.02]	Anxiety [1.14]	Back Pain [1.01]	Dermatitis [1.55]	Conduct [0.92]	Depression [0.88]	Asthma [1.65]	Acne [1.3]	Neonatal [0.85]	Falls [0.84]
Ireland	Headaches [1.01]	Anxiety [1.27]	Depression [1.21]	Back Pain [0.81]	Conduct [0.9]	Asthma [1.45]	Acne [1.27]	Dermatitis [1.22]	Neonatal [0.72]	Falls [0.91]
Israel	Headaches [0.99]	Back Pain [1.17]	Depression [1.14]	Anxiety [0.74]	Neonatal [0.95]	Conduct [0.87]	Acne [1.29]	Blindness [3.01]	Dermatitis [1.03]	Falls [1.07]
Italy	Headaches [1.24]	Anxiety [1.26]	Back Pain [1.01]	Depression [1.08]	Conduct [0.89]	Acne [1.39]	Neonatal [0.64]	Dermatitis [0.94]	Bipolar [1.1]	Falls [0.82]
Luxembourg	Headaches [1.17]	Anxiety [1.13]	Back Pain [0.99]	Neonatal [1.1]	Depression [0.96]	Conduct [0.93]	Dermatitis [1.41]	Acne [1.27]	Asthma [1.29]	Falls [0.81]
Malta	Headaches [1.02]	Anxiety [1.21]	Back Pain [1.12]	Depression [1.02]	Conduct [0.87]	Acne [1.37]	Neonatal [0.71]	Falls [1.18]	Asthma [1.11]	Congenital [1.21]
Netherlands	Anxiety [1.39]	Headaches [1.06]	Depression [1.08]	Back Pain [0.8]	Conduct [1.01]	Acne [1.27]	Neonatal [0.85]	Dermatitis [1.25]	Asthma [1.19]	Bipolar [1.06]
Norway	Anxiety [1.58]	Headaches [1.07]	Back Pain [0.95]	Depression [1.02]	Conduct [1.0]	Neonatal [1.0]	Dermatitis [1.44]	Acne [1.29]	Asthma [1.49]	Falls [1.1]
Portugal	Headaches [1.0]	Anxiety [1.27]	Depression [1.28]	Back Pain [1.11]	Conduct [0.85]	Asthma [1.65]	Acne [1.49]	Neonatal [0.6]	Dermatitis [0.86]	Bipolar [1.14]
Spain	Headaches [1.18]	Anxiety [1.15]	Back Pain [1.19]	Depression [1.03]	Conduct [0.88]	Acne [1.36]	Neonatal [0.7]	Drugs [1.57]	Falls [0.96]	Asthma [0.92]
Sweden	Headaches [1.06]	Anxiety [1.14]	Depression [1.22]	Back Pain [0.92]	Dermatitis [1.85]	Conduct [1.01]	Acne [1.51]	Asthma [1.65]	Neonatal [0.75]	Falls [1.15]
Stockholm	Headaches [1.06]	Anxiety [1.12]	Conduct [1.04]	Depression [0.99]	Acne [1.43]	Dermatitis [1.46]	Back Pain [0.61]	Asthma [1.42]	Falls [1.07]	Neonatal [0.73]
Sweden w/o Stockholm	Headaches [1.06]	Anxiety [1.15]	Depression [1.28]	Back Pain [1.01]	Dermatitis [1.96]	Conduct [1.0]	Asthma [1.72]	Acne [1.53]	Neonatal [0.76]	Falls [1.18]
Switzerland	Back Pain [2.12]	Anxiety [1.15]	Headaches [0.86]	Depression [0.95]	Conduct [0.91]	Dermatitis [1.4]	Neonatal [0.83]	Acne [1.28]	Asthma [1.1]	Bipolar [1.11]
UK	Headaches [0.93]	Anxiety [1.04]	Depression [1.11]	Back Pain [0.92]	Conduct [0.98]	Neonatal [0.98]	Dermatitis [1.56]	Asthma [1.73]	Acne [1.33]	Drugs [2.14]
England	Headaches [0.92]	Anxiety [1.0]	Back Pain [0.92]	Depression [1.1]	Conduct [1.0]	Neonatal [1.01]	Dermatitis [1.59]	Asthma [1.75]	Acne [1.32]	Drugs [2.22]
E Midlands	Headaches [0.93]	Anxiety [1.02]	Depression [1.1]	Back Pain [0.93]	Conduct [0.99]	Neonatal [0.96]	Dermatitis [1.55]	Asthma [1.68]	Acne [1.37]	Drugs [2.26]
Derby	Headaches [0.92]	Anxiety [1.01]	Back Pain [0.94]	Depression [1.09]	Conduct [1.0]	Neonatal [0.96]	Dermatitis [1.55]	Asthma [1.68]	Acne [1.3]	Drugs [2.24]
Derbyshire	Headaches [0.92]	Anxiety [1.04]	Depression [1.1]	Conduct [0.98]	Back Pain [0.83]	Dermatitis [1.56]	Asthma [1.68]	Neonatal [0.89]	Acne [1.41]	Drugs [2.31]
Leicester	Headaches [0.93]	Anxiety [1.01]	Back Pain [0.95]	Depression [1.11]	Conduct [0.99]	Dermatitis [1.55]	Asthma [1.69]	Neonatal [0.82]	Drugs [2.28]	Acne [1.32]
Leicestershire	Headaches [0.93]	Anxiety [1.01]	Back Pain [0.95]	Depression [1.1]	Conduct [1.0]	Dermatitis [1.55]	Asthma [1.66]	Neonatal [0.8]	Acne [1.39]	Drugs [2.26]
Lincolnshire	Headaches [0.93]	Anxiety [1.05]	Back Pain [0.96]	Depression [1.11]	Conduct [0.97]	Neonatal [0.96]	Dermatitis [1.55]	Asthma [1.68]	Acne [1.44]	Drugs [2.31]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Northamptonshire	Headaches [0.91]	Anxiety [1.02]	Back Pain [0.94]	Depression [1.08]	Conduct [0.99]	Neonatal [1.06]	Dermatitis [1.57]	Asthma [1.68]	Acne [1.35]	Drugs [2.16]
Nottingham	Headaches [0.96]	Anxiety [1.0]	Back Pain [0.97]	Depression [1.13]	Neonatal [1.16]	Conduct [1.0]	Dermatitis [1.54]	Asthma [1.71]	Drugs [2.36]	Acne [1.3]
Nottinghamshire	Headaches [0.91]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.09]	Conduct [0.98]	Neonatal [1.07]	Dermatitis [1.55]	Asthma [1.68]	Acne [1.39]	Drugs [2.23]
Rutland	Headaches [0.93]	Anxiety [1.01]	Back Pain [0.96]	Depression [1.12]	Conduct [0.99]	Dermatitis [1.53]	Asthma [1.67]	Acne [1.42]	Drugs [2.39]	Neonatal [0.67]
E England	Headaches [0.92]	Anxiety [1.01]	Depression [1.09]	Back Pain [0.92]	Conduct [1.0]	Dermatitis [1.55]	Asthma [1.67]	Neonatal [0.92]	Acne [1.37]	Drugs [2.21]
Bedford	Headaches [0.92]	Anxiety [1.01]	Back Pain [0.94]	Depression [1.09]	Neonatal [1.13]	Conduct [0.99]	Dermatitis [1.55]	Asthma [1.66]	Acne [1.35]	Drugs [2.26]
Cambridgeshire	Headaches [0.93]	Anxiety [0.99]	Depression [1.1]	Back Pain [0.86]	Conduct [1.02]	Dermatitis [1.55]	Asthma [1.67]	Neonatal [0.92]	Acne [1.35]	Drugs [2.21]
Cen Bedfordshire	Headaches [0.91]	Anxiety [1.01]	Back Pain [0.92]	Depression [1.08]	Conduct [1.0]	Neonatal [1.0]	Dermatitis [1.56]	Asthma [1.66]	Acne [1.37]	Drugs [2.16]
Essex	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.93]	Depression [1.09]	Conduct [0.99]	Dermatitis [1.55]	Neonatal [0.91]	Asthma [1.67]	Acne [1.4]	Drugs [2.25]
Hertfordshire	Headaches [0.92]	Anxiety [0.99]	Back Pain [0.91]	Depression [1.08]	Conduct [1.02]	Dermatitis [1.56]	Asthma [1.66]	Neonatal [0.9]	Acne [1.3]	Drugs [2.09]
Luton	Headaches [0.91]	Anxiety [1.01]	Back Pain [0.92]	Depression [1.07]	Conduct [1.0]	Neonatal [1.04]	Dermatitis [1.57]	Asthma [1.7]	Acne [1.28]	Drugs [2.07]
Norfolk	Headaches [0.93]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.1]	Conduct [0.98]	Dermatitis [1.55]	Asthma [1.68]	Neonatal [0.78]	Acne [1.43]	Drugs [2.36]
Peterborough	Headaches [0.91]	Anxiety [1.03]	Back Pain [0.93]	Depression [1.07]	Conduct [0.99]	Dermatitis [1.56]	Asthma [1.73]	Neonatal [0.73]	Acne [1.35]	Drugs [2.21]
Southend-on-Sea	Headaches [0.91]	Anxiety [1.04]	Depression [1.09]	Back Pain [0.92]	Neonatal [1.11]	Conduct [0.98]	Dermatitis [1.56]	Asthma [1.68]	Drugs [2.35]	Acne [1.4]
Suffolk	Headaches [0.91]	Anxiety [1.03]	Depression [1.09]	Back Pain [0.93]	Conduct [0.98]	Neonatal [0.97]	Dermatitis [1.55]	Asthma [1.67]	Acne [1.42]	Drugs [2.24]
Thurrock	Headaches [0.91]	Anxiety [1.04]	Depression [1.08]	Back Pain [0.91]	Conduct [0.98]	Neonatal [1.03]	Dermatitis [1.57]	Asthma [1.71]	Acne [1.39]	Drugs [2.15]
Greater London	Headaches [0.93]	Anxiety [0.97]	Back Pain [0.91]	Depression [1.08]	Asthma [1.96]	Conduct [1.04]	Neonatal [1.04]	Dermatitis [1.58]	Acne [1.2]	Drugs [2.07]
Barking & Dagenham	Headaches [0.9]	Anxiety [1.04]	Dermatitis [2.06]	Back Pain [0.94]	Depression [1.07]	Conduct [0.98]	Asthma [1.97]	Neonatal [1.02]	Drugs [2.14]	Acne [1.34]
Barnet	Headaches [0.91]	Anxiety [0.99]	Back Pain [0.91]	Depression [1.07]	Conduct [1.02]	Asthma [1.95]	Neonatal [0.98]	Dermatitis [1.56]	Acne [1.3]	Drugs [2.08]
Bexley	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.1]	Asthma [1.98]	Conduct [0.98]	Dermatitis [1.56]	Neonatal [0.95]	Acne [1.41]	Drugs [2.22]
Brent	Headaches [0.91]	Anxiety [1.0]	Back Pain [0.92]	Depression [1.07]	Conduct [1.01]	Asthma [1.97]	Neonatal [1.05]	Dermatitis [1.56]	Acne [1.32]	Drugs [2.11]
Bromley	Headaches [0.92]	Anxiety [1.0]	Back Pain [0.93]	Depression [1.08]	Neonatal [1.12]	Conduct [1.0]	Asthma [1.95]	Dermatitis [1.56]	Acne [1.35]	Drugs [2.14]
Camden	Headaches [0.97]	Anxiety [0.96]	Back Pain [0.94]	Depression [1.13]	Asthma [1.99]	Conduct [1.05]	Dermatitis [1.57]	Neonatal [0.88]	Acne [1.24]	Drugs [2.25]
Croydon	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.93]	Depression [1.08]	Asthma [1.96]	Conduct [0.99]	Neonatal [1.01]	Dermatitis [1.57]	Acne [1.34]	Drugs [2.1]
Ealing	Headaches [0.91]	Anxiety [0.99]	Back Pain [0.91]	Depression [1.07]	Neonatal [1.13]	Conduct [1.02]	Asthma [1.96]	Dermatitis [1.57]	Acne [1.27]	Drugs [2.05]
Enfield	Headaches [0.91]	Anxiety [1.01]	Back Pain [0.93]	Depression [1.07]	Conduct [1.0]	Asthma [1.96]	Neonatal [1.05]	Dermatitis [1.56]	Acne [1.34]	Drugs [2.11]
Greenwich	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.94]	Depression [1.09]	Conduct [0.99]	Asthma [1.95]	Neonatal [0.97]	Dermatitis [1.56]	Acne [1.34]	Drugs [2.16]
Hackney	Headaches [0.93]	Anxiety [0.98]	Back Pain [0.92]	Depression [1.08]	Asthma [2.07]	Conduct [1.03]	Neonatal [1.01]	Dermatitis [1.57]	Acne [1.21]	Drugs [2.11]
Hammersmith & Fulham	Headaches [0.95]	Anxiety [0.95]	Back Pain [0.91]	Depression [1.1]	Asthma [1.99]	Conduct [1.06]	Neonatal [0.99]	Dermatitis [1.58]	Acne [1.19]	Drugs [2.11]
Haringey	Headaches [0.91]	Anxiety [1.0]	Back Pain [0.92]	Depression [1.07]	Neonatal [1.1]	Conduct [1.01]	Asthma [1.96]	Dermatitis [1.56]	Acne [1.29]	Drugs [2.1]
Harrow	Headaches [0.91]	Anxiety [1.0]	Back Pain [0.92]	Depression [1.08]	Neonatal [1.15]	Conduct [1.01]	Asthma [1.95]	Dermatitis [1.56]	Acne [1.34]	Drugs [2.14]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Havering	Headaches [0.93]	Anxiety [1.03]	Back Pain [0.96]	Depression [1.1]	Asthma [1.98]	Conduct [0.98]	Neonatal [1.0]	Dermatitis [1.55]	Acne [1.4]	Drugs [2.23]
Hillingdon	Headaches [0.93]	Anxiety [0.98]	Back Pain [0.93]	Depression [1.1]	Neonatal [1.15]	Asthma [1.99]	Conduct [1.02]	Dermatitis [1.56]	Acne [1.29]	Drugs [2.16]
Hounslow	Headaches [0.92]	Anxiety [0.98]	Back Pain [0.91]	Depression [1.08]	Asthma [1.97]	Conduct [1.03]	Neonatal [1.09]	Dermatitis [1.57]	Acne [1.24]	Drugs [2.03]
Islington	Headaches [0.96]	Anxiety [0.96]	Back Pain [0.93]	Depression [1.11]	Asthma [2.01]	Conduct [1.04]	Dermatitis [1.58]	Neonatal [0.86]	Acne [1.2]	Drugs [2.19]
Kensington & Chelsea	Headaches [0.96]	Anxiety [0.95]	Back Pain [0.92]	Depression [1.12]	Asthma [1.97]	Conduct [1.05]	Dermatitis [1.58]	Acne [1.25]	Neonatal [0.85]	Drugs [2.24]
Kingston upon Thames	Headaches [0.95]	Anxiety [0.98]	Back Pain [0.93]	Depression [1.11]	Asthma [1.96]	Neonatal [1.08]	Conduct [1.02]	Dermatitis [1.57]	Acne [1.29]	Drugs [2.12]
Lambeth	Headaches [0.94]	Anxiety [0.97]	Back Pain [0.91]	Depression [1.08]	Asthma [1.96]	Conduct [1.04]	Dermatitis [1.58]	Acne [1.19]	Neonatal [0.73]	Drugs [2.06]
Lewisham	Headaches [0.92]	Anxiety [1.01]	Neonatal [1.21]	Back Pain [0.93]	Depression [1.08]	Conduct [1.0]	Asthma [1.96]	Dermatitis [1.56]	Acne [1.29]	Drugs [2.11]
Merton	Headaches [0.91]	Anxiety [0.98]	Back Pain [0.9]	Depression [1.07]	Conduct [1.03]	Asthma [1.95]	Neonatal [1.04]	Dermatitis [1.56]	Acne [1.26]	Drugs [2.04]
Newham	Headaches [0.93]	Anxiety [1.02]	Back Pain [0.95]	Depression [1.1]	Neonatal [1.08]	Asthma [1.96]	Conduct [0.99]	Dermatitis [1.56]	Acne [1.32]	Drugs [2.17]
Redbridge	Headaches [0.9]	Anxiety [1.02]	Back Pain [0.93]	Depression [1.07]	Conduct [1.0]	Asthma [1.96]	Neonatal [1.01]	Dermatitis [1.56]	Acne [1.34]	Drugs [2.1]
Richmond upon Thames	Headaches [0.93]	Anxiety [0.97]	Back Pain [0.9]	Depression [1.07]	Neonatal [1.14]	Conduct [1.04]	Asthma [1.94]	Dermatitis [1.58]	Acne [1.23]	Drugs [1.98]
Southwark	Headaches [0.94]	Anxiety [0.96]	Back Pain [0.91]	Depression [1.1]	Asthma [1.98]	Conduct [1.05]	Dermatitis [1.58]	Acne [1.19]	Neonatal [0.75]	Drugs [2.07]
Sutton	Headaches [0.92]	Anxiety [1.01]	Neonatal [1.29]	Back Pain [0.93]	Depression [1.09]	Asthma [1.96]	Conduct [1.0]	Dermatitis [1.56]	Acne [1.35]	Drugs [2.14]
Tower Hamlets	Headaches [0.94]	Anxiety [0.96]	Back Pain [0.92]	Depression [1.09]	Asthma [2.02]	Neonatal [1.11]	Conduct [1.04]	Dermatitis [1.57]	Acne [1.19]	Drugs [2.09]
Waltham Forest	Headaches [0.91]	Anxiety [1.03]	Back Pain [0.93]	Depression [1.08]	Conduct [0.99]	Asthma [1.95]	Neonatal [1.02]	Dermatitis [1.57]	Acne [1.35]	Drugs [2.15]
Wandsworth	Headaches [0.94]	Anxiety [0.96]	Back Pain [0.9]	Depression [1.09]	Asthma [1.95]	Conduct [1.04]	Dermatitis [1.59]	Neonatal [0.9]	Acne [1.19]	Drugs [1.99]
Westminster	Headaches [0.95]	Anxiety [0.95]	Back Pain [0.93]	Depression [1.11]	Asthma [2.04]	Conduct [1.06]	Dermatitis [1.56]	Acne [1.23]	Drugs [2.31]	Neonatal [0.8]
NE England	Headaches [0.92]	Anxiety [1.03]	Depression [1.1]	Back Pain [0.94]	Conduct [0.98]	Dermatitis [1.68]	Asthma [1.7]	Neonatal [0.91]	Drugs [2.38]	Acne [1.38]
County Durham	Headaches [0.93]	Anxiety [1.04]	Depression [1.11]	Dermatitis [1.87]	Back Pain [0.89]	Conduct [0.97]	Neonatal [0.98]	Asthma [1.73]	Drugs [2.41]	Acne [1.41]
Darlington	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.09]	Conduct [0.99]	Dermatitis [1.56]	Asthma [1.73]	Neonatal [0.88]	Acne [1.34]	Drugs [2.21]
Gateshead	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.96]	Depression [1.1]	Dermatitis [1.85]	Conduct [0.98]	Neonatal [1.01]	Asthma [1.73]	Drugs [2.4]	Acne [1.35]
Hartlepool	Headaches [0.92]	Anxiety [1.05]	Back Pain [0.96]	Depression [1.11]	Conduct [0.96]	Neonatal [1.05]	Dermatitis [1.55]	Asthma [1.75]	Drugs [2.55]	Acne [1.41]
Middlesbrough	Headaches [0.92]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.1]	Conduct [0.97]	Dermatitis [1.55]	Asthma [1.75]	Neonatal [0.8]	Drugs [2.42]	Acne [1.37]
Newcastle upon Tyne	Headaches [0.96]	Anxiety [0.99]	Back Pain [0.97]	Depression [1.14]	Conduct [1.0]	Asthma [1.72]	Dermatitis [1.53]	Drugs [2.48]	Neonatal [0.84]	Acne [1.35]
N Tyneside	Headaches [0.91]	Anxiety [1.02]	Back Pain [0.93]	Depression [1.08]	Conduct [0.99]	Dermatitis [1.56]	Asthma [1.7]	Neonatal [0.84]	Drugs [2.24]	Acne [1.34]
Northumberland	Headaches [0.91]	Anxiety [1.03]	Back Pain [0.94]	Depression [1.09]	Conduct [0.98]	Dermatitis [1.55]	Asthma [1.71]	Neonatal [0.88]	Drugs [2.38]	Acne [1.41]
Redcar & Cleveland	Headaches [0.92]	Anxiety [1.05]	Depression [1.1]	Back Pain [0.95]	Conduct [0.97]	Dermatitis [1.55]	Asthma [1.72]	Neonatal [0.83]	Drugs [2.38]	Acne [1.45]
S Tyneside	Headaches [0.93]	Anxiety [1.06]	Back Pain [0.96]	Depression [1.11]	Dermatitis [1.87]	Conduct [0.96]	Asthma [1.72]	Neonatal [0.88]	Drugs [2.39]	Acne [1.45]
Stockton-on-Tees	Headaches [0.91]	Anxiety [1.02]	Back Pain [0.94]	Depression [1.09]	Neonatal [1.12]	Conduct [0.99]	Dermatitis [1.55]	Asthma [1.72]	Drugs [2.34]	Acne [1.36]
Sunderland	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.1]	Dermatitis [1.87]	Conduct [0.98]	Asthma [1.51]	Neonatal [0.77]	Drugs [2.38]	Acne [1.39]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
NW England	Headaches [0.92]	Anxiety [1.01]	Depression [1.11]	Back Pain [0.93]	Neonatal [1.12]	Conduct [0.99]	Dermatitis [1.55]	Asthma [1.71]	Drugs [2.3]	Acne [1.33]
Blackburn with Darwen	Headaches [0.91]	Anxiety [1.05]	Back Pain [0.95]	Depression [1.08]	Neonatal [1.11]	Conduct [0.98]	Dermatitis [1.56]	Asthma [1.73]	Drugs [2.3]	Acne [1.35]
Blackpool	Headaches [0.92]	Anxiety [1.07]	Back Pain [0.97]	Depression [1.1]	Neonatal [1.08]	Conduct [0.96]	Asthma [1.79]	Dermatitis [1.57]	Drugs [2.62]	Acne [1.39]
Bolton	Headaches [0.91]	Anxiety [1.04]	Back Pain [0.96]	Depression [1.09]	Conduct [0.98]	Neonatal [1.06]	Dermatitis [1.55]	Asthma [1.7]	Drugs [2.41]	Acne [1.37]
Bury	Headaches [0.9]	Anxiety [1.02]	Back Pain [0.95]	Depression [1.08]	Conduct [0.99]	Neonatal [1.01]	Dermatitis [1.55]	Asthma [1.69]	Drugs [2.24]	Acne [1.34]
Cheshire E	Headaches [0.93]	Neonatal [1.38]	Anxiety [0.99]	Back Pain [0.94]	Depression [1.09]	Conduct [1.01]	Dermatitis [1.56]	Asthma [1.7]	Acne [1.3]	Drugs [2.18]
Cheshire W & Chester	Headaches [0.93]	Anxiety [1.0]	Back Pain [0.94]	Depression [1.1]	Neonatal [1.12]	Conduct [1.0]	Dermatitis [1.55]	Asthma [1.69]	Acne [1.33]	Drugs [2.27]
Cumbria	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.94]	Depression [1.1]	Neonatal [1.11]	Conduct [0.99]	Dermatitis [1.55]	Asthma [1.71]	Drugs [2.34]	Acne [1.39]
Halton	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.93]	Depression [1.09]	Neonatal [1.14]	Conduct [0.98]	Dermatitis [1.56]	Asthma [1.72]	Drugs [2.24]	Acne [1.34]
Knowsley	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.1]	Neonatal [1.09]	Conduct [0.98]	Asthma [1.76]	Dermatitis [1.55]	Drugs [2.36]	Acne [1.37]
Lancashire	Headaches [0.93]	Anxiety [1.02]	Depression [1.1]	Back Pain [0.88]	Neonatal [1.08]	Conduct [0.99]	Dermatitis [1.55]	Asthma [1.71]	Drugs [2.34]	Acne [1.37]
Liverpool	Headaches [0.96]	Depression [1.31]	Anxiety [0.93]	Back Pain [0.96]	Neonatal [1.21]	Conduct [0.98]	Dermatitis [1.54]	Asthma [1.7]	Drugs [2.48]	Acne [1.35]
Manchester	Headaches [0.95]	Anxiety [0.98]	Back Pain [0.98]	Neonatal [1.2]	Depression [1.11]	Conduct [1.02]	Asthma [1.73]	Dermatitis [1.55]	Acne [1.22]	Drugs [2.22]
Oldham	Headaches [0.91]	Anxiety [1.05]	Back Pain [0.96]	Depression [1.09]	Conduct [0.97]	Dermatitis [1.56]	Asthma [1.77]	Neonatal [0.83]	Drugs [2.32]	Acne [1.37]
Rochdale	Headaches [0.91]	Anxiety [1.05]	Back Pain [0.96]	Depression [1.09]	Conduct [0.97]	Dermatitis [1.56]	Asthma [1.74]	Neonatal [0.86]	Drugs [2.37]	Acne [1.39]
Salford	Headaches [0.92]	Anxiety [1.02]	Neonatal [1.25]	Back Pain [0.95]	Depression [1.09]	Conduct [0.99]	Dermatitis [1.56]	Asthma [1.72]	Drugs [2.23]	Acne [1.29]
Sefton	Headaches [0.92]	Anxiety [1.04]	Back Pain [0.94]	Depression [1.09]	Neonatal [1.12]	Conduct [0.98]	Dermatitis [1.55]	Asthma [1.71]	Drugs [2.42]	Acne [1.39]
St Helens	Headaches [0.91]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.09]	Neonatal [1.13]	Conduct [0.98]	Dermatitis [1.55]	Asthma [1.71]	Drugs [2.39]	Acne [1.37]
Stockport	Headaches [0.92]	Anxiety [1.01]	Back Pain [0.93]	Depression [1.09]	Conduct [1.0]	Dermatitis [1.56]	Neonatal [0.94]	Asthma [1.68]	Acne [1.31]	Drugs [2.24]
Tameside	Headaches [0.91]	Anxiety [1.05]	Depression [1.09]	Conduct [0.97]	Dermatitis [1.56]	Back Pain [0.77]	Asthma [1.74]	Neonatal [0.92]	Drugs [2.31]	Acne [1.39]
Trafford	Headaches [0.91]	Anxiety [0.98]	Neonatal [1.22]	Back Pain [0.91]	Depression [1.07]	Conduct [1.03]	Dermatitis [1.57]	Asthma [1.7]	Acne [1.25]	Drugs [2.04]
Warrington	Headaches [0.92]	Anxiety [0.99]	Neonatal [1.3]	Back Pain [0.93]	Depression [1.09]	Conduct [1.01]	Dermatitis [1.55]	Asthma [1.72]	Acne [1.29]	Drugs [2.25]
Wigan	Headaches [0.91]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.08]	Neonatal [1.13]	Conduct [0.98]	Dermatitis [1.55]	Asthma [1.71]	Drugs [2.34]	Acne [1.38]
Wirral	Headaches [0.91]	Anxiety [1.04]	Neonatal [1.27]	Back Pain [0.94]	Depression [1.09]	Conduct [0.98]	Dermatitis [1.55]	Asthma [1.7]	Drugs [2.36]	Acne [1.38]
SE England	Headaches [0.92]	Anxiety [1.0]	Depression [1.09]	Back Pain [0.91]	Conduct [1.0]	Dermatitis [1.71]	Neonatal [1.03]	Asthma [1.81]	Acne [1.34]	Drugs [2.19]
Bracknell Forest	Headaches [0.92]	Anxiety [0.99]	Back Pain [0.91]	Depression [1.08]	Conduct [1.02]	Dermatitis [1.56]	Asthma [1.65]	Acne [1.32]	Neonatal [0.8]	Drugs [2.13]
Brighton & Hove	Headaches [0.96]	Anxiety [0.98]	Depression [1.13]	Back Pain [0.93]	Dermatitis [1.85]	Neonatal [1.12]	Conduct [1.01]	Asthma [1.65]	Acne [1.32]	Drugs [2.39]
Buckinghamshire	Headaches [0.92]	Anxiety [0.99]	Back Pain [0.92]	Depression [1.09]	Neonatal [1.15]	Conduct [1.01]	Dermatitis [1.56]	Asthma [1.63]	Acne [1.31]	Drugs [2.12]
E Sussex	Headaches [0.92]	Anxiety [1.04]	Depression [1.1]	Back Pain [0.94]	Dermatitis [1.83]	Neonatal [1.1]	Conduct [0.97]	Asthma [1.59]	Drugs [2.33]	Acne [1.42]
Hampshire	Headaches [0.92]	Asthma [2.51]	Anxiety [1.0]	Back Pain [0.92]	Depression [1.09]	Conduct [1.0]	Neonatal [1.01]	Dermatitis [1.56]	Acne [1.38]	Drugs [2.18]
Isle of Wight	Headaches [0.92]	Asthma [2.54]	Anxiety [1.03]	Depression [1.1]	Back Pain [0.94]	Conduct [0.98]	Neonatal [0.95]	Dermatitis [1.5]	Acne [1.46]	Drugs [2.37]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Kent	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.93]	Depression [1.1]	Dermatitis [1.83]	Conduct [0.99]	Neonatal [1.0]	Asthma [1.63]	Acne [1.39]	Drugs [2.26]
Medway	Headaches [0.92]	Anxiety [1.04]	Depression [1.1]	Back Pain [0.93]	Neonatal [1.07]	Conduct [0.97]	Dermatitis [1.55]	Asthma [1.65]	Drugs [2.31]	Acne [1.4]
Milton Keynes	Headaches [0.91]	Anxiety [1.0]	Back Pain [0.9]	Depression [1.06]	Conduct [1.02]	Dermatitis [1.58]	Asthma [1.68]	Neonatal [0.88]	Acne [1.25]	Drugs [1.99]
Oxfordshire	Headaches [0.94]	Anxiety [0.98]	Dermatitis [2.04]	Back Pain [0.92]	Depression [1.1]	Conduct [1.02]	Neonatal [0.93]	Asthma [1.65]	Acne [1.32]	Drugs [2.17]
Portsmouth	Headaches [0.94]	Anxiety [1.0]	Depression [1.12]	Back Pain [0.93]	Conduct [1.0]	Neonatal [0.98]	Dermatitis [1.54]	Asthma [1.65]	Acne [1.35]	Drugs [2.36]
Reading	Headaches [0.94]	Anxiety [0.97]	Dermatitis [2.06]	Neonatal [1.21]	Back Pain [0.91]	Depression [1.1]	Conduct [1.03]	Asthma [1.68]	Acne [1.23]	Drugs [2.14]
Slough	Headaches [0.9]	Anxiety [0.99]	Back Pain [0.89]	Depression [1.05]	Conduct [1.02]	Neonatal [1.07]	Dermatitis [1.58]	Asthma [1.72]	Acne [1.22]	Drugs [1.96]
Southampton	Headaches [0.94]	Anxiety [1.0]	Depression [1.12]	Back Pain [0.93]	Conduct [1.0]	Neonatal [0.97]	Dermatitis [1.54]	Asthma [1.65]	Acne [1.36]	Drugs [2.38]
Surrey	Headaches [0.93]	Anxiety [0.98]	Depression [1.09]	Dermatitis [1.83]	Neonatal [1.12]	Back Pain [0.84]	Conduct [1.03]	Asthma [1.64]	Acne [1.29]	Drugs [2.08]
West Berkshire	Headaches [0.92]	Anxiety [0.99]	Back Pain [0.92]	Depression [1.09]	Conduct [1.02]	Dermatitis [1.56]	Asthma [1.67]	Neonatal [0.93]	Acne [1.32]	Drugs [2.11]
W Sussex	Headaches [0.91]	Anxiety [1.0]	Back Pain [0.92]	Depression [1.08]	Conduct [1.0]	Neonatal [1.05]	Asthma [1.9]	Dermatitis [1.62]	Acne [1.35]	Drugs [2.19]
Windsor & Maidenhead	Headaches [0.92]	Anxiety [0.96]	Back Pain [0.9]	Depression [1.07]	Conduct [1.04]	Dermatitis [1.56]	Neonatal [0.96]	Asthma [1.65]	Acne [1.24]	Drugs [2.07]
Wokingham	Headaches [0.92]	Anxiety [0.97]	Back Pain [0.9]	Depression [1.08]	Conduct [1.03]	Neonatal [0.99]	Dermatitis [1.57]	Asthma [1.64]	Acne [1.27]	Drugs [2.02]
SW England	Headaches [0.93]	Anxiety [1.01]	Depression [1.1]	Back Pain [0.93]	Neonatal [1.08]	Conduct [0.99]	Dermatitis [1.55]	Asthma [1.66]	Acne [1.39]	Drugs [2.25]
Bath & NE Somerset	Headaches [0.96]	Neonatal [1.43]	Anxiety [0.99]	Back Pain [0.95]	Depression [1.14]	Conduct [1.0]	Dermatitis [1.54]	Asthma [1.66]	Acne [1.4]	Drugs [2.36]
Bournemouth	Headaches [0.95]	Anxiety [1.0]	Depression [1.12]	Back Pain [0.94]	Conduct [1.0]	Neonatal [1.06]	Dermatitis [1.54]	Asthma [1.65]	Acne [1.38]	Drugs [2.37]
Bristol	Headaches [0.95]	Anxiety [0.99]	Neonatal [1.22]	Back Pain [0.92]	Depression [1.12]	Conduct [1.01]	Dermatitis [1.56]	Asthma [1.68]	Acne [1.28]	Drugs [2.17]
Cornwall	Headaches [0.93]	Anxiety [1.04]	Depression [1.11]	Back Pain [0.89]	Neonatal [1.07]	Conduct [0.98]	Dermatitis [1.55]	Asthma [1.65]	Acne [1.44]	Drugs [2.33]
Devon	Headaches [0.92]	Anxiety [1.01]	Back Pain [0.94]	Depression [1.11]	Conduct [0.99]	Neonatal [0.98]	Dermatitis [1.55]	Asthma [1.65]	Acne [1.42]	Drugs [2.28]
Dorset	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.93]	Depression [1.09]	Conduct [0.99]	Neonatal [1.05]	Dermatitis [1.55]	Asthma [1.66]	Acne [1.43]	Drugs [2.27]
Gloucestershire	Headaches [0.93]	Anxiety [1.01]	Back Pain [0.93]	Depression [1.1]	Conduct [1.0]	Neonatal [0.99]	Dermatitis [1.55]	Asthma [1.66]	Acne [1.39]	Drugs [2.21]
N Somerset	Headaches [0.92]	Anxiety [1.02]	Neonatal [1.17]	Depression [1.09]	Back Pain [0.92]	Conduct [0.99]	Dermatitis [1.56]	Asthma [1.66]	Acne [1.35]	Drugs [2.26]
Plymouth	Headaches [0.93]	Anxiety [1.02]	Depression [1.11]	Back Pain [0.93]	Neonatal [1.07]	Conduct [0.98]	Dermatitis [1.55]	Asthma [1.65]	Drugs [2.38]	Acne [1.38]
Poole	Headaches [0.92]	Anxiety [1.01]	Depression [1.09]	Back Pain [0.92]	Conduct [1.0]	Neonatal [1.05]	Dermatitis [1.56]	Asthma [1.66]	Acne [1.37]	Drugs [2.13]
Somerset	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.11]	Neonatal [1.13]	Conduct [0.98]	Dermatitis [1.55]	Asthma [1.66]	Acne [1.45]	Drugs [2.3]
S Gloucestershire	Headaches [0.93]	Anxiety [0.99]	Back Pain [0.92]	Depression [1.09]	Neonatal [1.12]	Conduct [1.01]	Dermatitis [1.55]	Asthma [1.66]	Acne [1.35]	Drugs [2.15]
Swindon	Headaches [0.92]	Anxiety [1.01]	Back Pain [0.93]	Depression [1.08]	Conduct [1.0]	Dermatitis [1.56]	Asthma [1.68]	Neonatal [0.77]	Acne [1.32]	Drugs [2.12]
Torbay	Headaches [0.91]	Anxiety [1.05]	Depression [1.1]	Back Pain [0.94]	Conduct [0.97]	Dermatitis [1.56]	Asthma [1.67]	Neonatal [0.88]	Drugs [2.33]	Acne [1.46]
Wiltshire	Headaches [0.92]	Anxiety [1.02]	Neonatal [1.25]	Back Pain [0.94]	Depression [1.09]	Conduct [0.99]	Dermatitis [1.55]	Asthma [1.66]	Acne [1.41]	Drugs [2.19]
W Midlands	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.93]	Depression [1.09]	Conduct [0.99]	Neonatal [1.01]	Dermatitis [1.55]	Asthma [1.68]	Drugs [2.27]	Acne [1.34]
Birmingham	Headaches [0.92]	Anxiety [1.01]	Back Pain [0.94]	Depression [1.09]	Conduct [0.99]	Neonatal [0.98]	Dermatitis [1.56]	Asthma [1.68]	Drugs [2.24]	Acne [1.3]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Coventry	Headaches [0.94]	Anxiety [1.01]	Back Pain [0.95]	Depression [1.12]	Conduct [0.99]	Dermatitis [1.55]	Neonatal [0.95]	Asthma [1.7]	Acne [1.32]	Drugs [2.28]
Dudley	Headaches [0.91]	Anxiety [1.05]	Back Pain [0.96]	Depression [1.09]	Neonatal [1.12]	Conduct [0.97]	Dermatitis [1.56]	Asthma [1.69]	Drugs [2.27]	Acne [1.38]
Herefordshire	Headaches [0.93]	Anxiety [1.02]	Back Pain [0.95]	Depression [1.1]	Conduct [0.98]	Neonatal [1.03]	Dermatitis [1.56]	Asthma [1.68]	Acne [1.4]	Drugs [2.31]
Sandwell	Headaches [0.9]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.08]	Neonatal [1.1]	Conduct [0.98]	Dermatitis [1.56]	Asthma [1.73]	Drugs [2.22]	Acne [1.34]
Shropshire	Headaches [0.93]	Anxiety [1.02]	Back Pain [0.96]	Depression [1.11]	Conduct [0.98]	Neonatal [1.0]	Dermatitis [1.55]	Asthma [1.67]	Acne [1.41]	Drugs [2.32]
Solihull	Headaches [0.92]	Anxiety [1.0]	Back Pain [0.93]	Depression [1.09]	Conduct [1.01]	Dermatitis [1.55]	Asthma [1.67]	Acne [1.33]	Drugs [2.22]	Neonatal [0.72]
Staffordshire	Headaches [0.92]	Anxiety [1.02]	Depression [1.1]	Conduct [0.99]	Back Pain [0.85]	Neonatal [0.99]	Dermatitis [1.55]	Asthma [1.67]	Acne [1.4]	Drugs [2.32]
Stoke-on-Trent	Headaches [0.91]	Anxiety [1.04]	Neonatal [1.21]	Depression [1.09]	Conduct [0.98]	Back Pain [0.85]	Dermatitis [1.56]	Asthma [1.7]	Drugs [2.34]	Acne [1.34]
Telford & Wrekin	Headaches [0.93]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.1]	Conduct [0.97]	Neonatal [1.01]	Dermatitis [1.56]	Asthma [1.69]	Drugs [2.3]	Acne [1.37]
Walsall	Headaches [0.91]	Anxiety [1.05]	Back Pain [0.97]	Depression [1.09]	Conduct [0.97]	Neonatal [1.02]	Dermatitis [1.56]	Asthma [1.72]	Drugs [2.33]	Acne [1.38]
Warwickshire	Headaches [0.92]	Anxiety [1.0]	Back Pain [0.93]	Depression [1.09]	Conduct [1.01]	Neonatal [1.02]	Dermatitis [1.56]	Asthma [1.69]	Acne [1.32]	Drugs [2.24]
Wolverhampton	Headaches [0.92]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.1]	Conduct [0.98]	Dermatitis [1.55]	Asthma [1.69]	Neonatal [0.74]	Drugs [2.26]	Acne [1.35]
Worcestershire	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.94]	Depression [1.1]	Neonatal [1.14]	Conduct [0.99]	Dermatitis [1.55]	Asthma [1.67]	Acne [1.36]	Drugs [2.27]
Yorkshire & Humber	Headaches [0.92]	Anxiety [1.02]	Back Pain [0.95]	Depression [1.1]	Conduct [0.99]	Dermatitis [1.55]	Neonatal [0.95]	Asthma [1.71]	Acne [1.36]	Drugs [2.26]
Barnsley	Headaches [0.92]	Anxiety [1.06]	Back Pain [0.97]	Depression [1.1]	Conduct [0.96]	Neonatal [1.01]	Dermatitis [1.56]	Asthma [1.75]	Drugs [2.36]	Acne [1.41]
Bradford	Headaches [0.91]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.08]	Conduct [0.98]	Neonatal [1.07]	Dermatitis [1.56]	Asthma [1.71]	Acne [1.35]	Drugs [2.17]
Calderdale	Headaches [0.92]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.09]	Conduct [0.98]	Dermatitis [1.56]	Asthma [1.71]	Neonatal [0.91]	Acne [1.36]	Drugs [2.23]
Doncaster	Headaches [0.92]	Anxiety [1.06]	Neonatal [1.24]	Back Pain [0.96]	Depression [1.09]	Conduct [0.96]	Dermatitis [1.57]	Asthma [1.74]	Drugs [2.29]	Acne [1.41]
E Riding of Yorkshire	Headaches [0.93]	Anxiety [1.03]	Back Pain [0.95]	Depression [1.11]	Conduct [0.98]	Dermatitis [1.55]	Neonatal [0.94]	Asthma [1.71]	Acne [1.43]	Drugs [2.3]
Kingston upon Hull	Headaches [0.91]	Anxiety [1.03]	Back Pain [0.94]	Depression [1.09]	Conduct [0.98]	Dermatitis [1.55]	Asthma [1.75]	Neonatal [0.87]	Drugs [2.33]	Acne [1.36]
Kirklees	Headaches [0.92]	Anxiety [1.04]	Back Pain [0.95]	Depression [1.1]	Conduct [0.98]	Dermatitis [1.56]	Asthma [1.7]	Neonatal [0.88]	Acne [1.38]	Drugs [2.23]
Leeds	Headaches [0.94]	Anxiety [0.99]	Back Pain [0.94]	Depression [1.11]	Conduct [1.01]	Dermatitis [1.55]	Asthma [1.7]	Neonatal [0.84]	Acne [1.29]	Drugs [2.2]
NE Lincolnshire	Headaches [0.92]	Anxiety [1.04]	Back Pain [0.94]	Depression [1.09]	Conduct [0.97]	Dermatitis [1.56]	Asthma [1.75]	Neonatal [0.91]	Drugs [2.3]	Acne [1.4]
N Lincolnshire	Headaches [0.91]	Anxiety [1.04]	Back Pain [0.94]	Depression [1.08]	Conduct [0.98]	Dermatitis [1.56]	Asthma [1.74]	Neonatal [0.84]	Acne [1.38]	Drugs [2.2]
N Yorkshire	Headaches [0.91]	Anxiety [1.01]	Back Pain [0.94]	Depression [1.09]	Conduct [1.0]	Neonatal [1.08]	Dermatitis [1.55]	Asthma [1.68]	Acne [1.38]	Drugs [2.21]
Rotherham	Headaches [0.92]	Anxiety [1.05]	Back Pain [0.97]	Depression [1.1]	Conduct [0.97]	Dermatitis [1.56]	Asthma [1.75]	Neonatal [0.86]	Drugs [2.34]	Acne [1.41]
Sheffield	Headaches [0.95]	Anxiety [1.0]	Back Pain [0.96]	Depression [1.12]	Conduct [0.99]	Neonatal [0.98]	Dermatitis [1.54]	Asthma [1.69]	Acne [1.35]	Drugs [2.34]
Wakefield	Headaches [0.92]	Anxiety [1.04]	Back Pain [0.96]	Depression [1.09]	Conduct [0.97]	Dermatitis [1.56]	Asthma [1.76]	Neonatal [0.75]	Drugs [2.36]	Acne [1.4]
York	Headaches [0.96]	Anxiety [0.99]	Back Pain [0.96]	Depression [1.14]	Conduct [1.01]	Dermatitis [1.54]	Asthma [1.7]	Neonatal [0.85]	Acne [1.35]	Drugs [2.35]
N Ireland	Anxiety [1.67]	Headaches [1.0]	Depression [1.21]	Back Pain [0.98]	Conduct [0.83]	Neonatal [0.84]	Asthma [1.51]	Dermatitis [1.3]	Acne [1.36]	Bipolar [1.39]
Scotland	Headaches [0.98]	Anxiety [1.12]	Depression [1.14]	Back Pain [0.92]	Conduct [0.91]	Asthma [1.77]	Dermatitis [1.44]	Neonatal [0.81]	Acne [1.4]	Drugs [2.13]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Wales	Headaches [1.0]	Anxiety [1.12]	Depression [1.2]	Conduct [0.9]	Back Pain [0.77]	Neonatal [0.83]	Asthma [1.49]	Dermatitis [1.31]	Acne [1.42]	Falls [1.29]
Latin America and Caribbean	Headaches [1.17]	Back Pain [1.28]	Neonatal [1.18]	Conduct [0.95]	Anxiety [0.94]	Depression [0.93]	Iron [0.88]	Asthma [1.18]	Bipolar [1.36]	Dermatitis [0.89]
Andean Latin America	Headaches [1.12]	Back Pain [1.08]	Neonatal [1.12]	Conduct [0.94]	Anxiety [0.97]	Dermatitis [1.4]	Depression [0.77]	Asthma [1.33]	Iron [0.8]	Bipolar [1.29]
Bolivia	Headaches [1.16]	Back Pain [1.21]	Iron [1.2]	Conduct [0.93]	Neonatal [1.08]	Anxiety [1.02]	Dermatitis [1.46]	Depression [0.8]	Asthma [1.59]	Bipolar [1.33]
Ecuador	Headaches [1.33]	Neonatal [1.13]	Back Pain [1.0]	Conduct [0.93]	Anxiety [0.97]	Depression [0.98]	Dermatitis [1.23]	Asthma [1.21]	Epilepsy [1.51]	Bipolar [1.3]
Peru	Headaches [0.99]	Back Pain [1.08]	Neonatal [1.13]	Conduct [0.94]	Anxiety [0.96]	Dermatitis [1.48]	Iron [0.9]	Asthma [1.3]	Depression [0.64]	Bipolar [1.28]
Caribbean	Headaches [1.15]	Iron [1.79]	Disaster [1042.81]	Anxiety [1.05]	Conduct [0.86]	Depression [0.95]	Neonatal [0.95]	Back Pain [0.79]	Asthma [1.55]	Dermatitis [1.05]
Antigua	Iron [5.53]	Headaches [1.13]	Anxiety [0.97]	Conduct [0.87]	Neonatal [0.98]	Depression [0.83]	Back Pain [0.74]	Asthma [1.57]	Dermatitis [0.98]	Bipolar [1.28]
Bahamas	Headaches [1.13]	Anxiety [0.94]	Conduct [0.89]	Neonatal [0.97]	Asthma [1.61]	Depression [0.82]	Back Pain [0.71]	Dermatitis [0.99]	Bipolar [1.2]	Acne [1.09]
Barbados	Headaches [1.13]	Anxiety [0.95]	Neonatal [1.05]	Conduct [0.88]	Depression [0.87]	Back Pain [0.73]	Asthma [1.44]	Dermatitis [0.96]	Acne [1.22]	Bipolar [1.23]
Belize	Headaches [1.16]	Iron [1.57]	Anxiety [1.1]	Neonatal [1.05]	Conduct [0.86]	Depression [0.94]	Back Pain [0.83]	Asthma [1.75]	Dermatitis [1.1]	Bipolar [1.33]
Bermuda	Headaches [1.13]	Anxiety [0.89]	Conduct [0.91]	Neonatal [0.98]	Asthma [1.77]	Depression [0.87]	Back Pain [0.7]	Acne [1.21]	Dermatitis [0.98]	Bipolar [1.22]
Cuba	Headaches [1.14]	Anxiety [1.01]	Conduct [0.87]	Neonatal [0.96]	Depression [0.93]	Asthma [1.63]	Iron [1.37]	Back Pain [0.64]	Dermatitis [1.0]	Acne [1.52]
Dominica	Headaches [1.13]	Iron [2.3]	Anxiety [1.0]	Neonatal [1.11]	Conduct [0.87]	Back Pain [0.77]	Depression [0.84]	Asthma [1.61]	Dermatitis [1.02]	Epilepsy [1.54]
Dominican Rep	Headaches [1.17]	Anxiety [1.11]	Neonatal [1.05]	Conduct [0.86]	Depression [1.01]	Iron [1.03]	Back Pain [0.85]	Asthma [1.3]	Dermatitis [1.09]	Bipolar [1.37]
Grenada	Headaches [1.15]	Anxiety [1.05]	Neonatal [1.09]	Conduct [0.87]	Depression [0.92]	Back Pain [0.8]	Asthma [1.7]	Dermatitis [1.05]	Iron [0.77]	Bipolar [1.33]
Guyana	Headaches [1.18]	Depression [1.41]	Anxiety [1.12]	Neonatal [1.11]	Conduct [0.85]	Iron [0.99]	Back Pain [0.85]	Asthma [1.65]	Dermatitis [1.09]	Bipolar [1.39]
Haiti	Disaster [1113.3]	Iron [1.4]	Headaches [1.23]	Anxiety [1.14]	Conduct [0.85]	Depression [0.94]	Back Pain [0.94]	Neonatal [1.04]	Asthma [1.65]	Dermatitis [1.07]
Jamaica	Headaches [1.14]	Anxiety [1.01]	Iron [1.91]	Neonatal [1.04]	Conduct [0.86]	Back Pain [0.79]	Depression [0.86]	Asthma [1.62]	Dermatitis [1.01]	Bipolar [1.34]
Puerto Rico	Headaches [1.13]	Anxiety [0.89]	Asthma [2.12]	Neonatal [1.05]	Conduct [0.91]	Back Pain [0.68]	Depression [0.77]	Acne [1.21]	Dermatitis [0.96]	Bipolar [1.26]
St Lucia	Headaches [1.15]	Anxiety [1.04]	Neonatal [1.11]	Conduct [0.86]	Depression [0.94]	Back Pain [0.8]	Asthma [1.64]	Iron [1.1]	Dermatitis [1.04]	Bipolar [1.33]
St Vincent	Headaches [1.16]	Anxiety [1.09]	Neonatal [1.07]	Conduct [0.86]	Depression [0.96]	Back Pain [0.83]	Asthma [1.67]	Iron [0.88]	Dermatitis [1.08]	Bipolar [1.33]
Suriname	Headaches [1.14]	Depression [1.29]	Anxiety [1.05]	Neonatal [1.04]	Conduct [0.87]	Asthma [1.73]	Back Pain [0.77]	Iron [0.98]	Dermatitis [1.05]	Bipolar [1.29]
Trinidad Tobago	Headaches [1.12]	Anxiety [0.98]	Depression [1.05]	Neonatal [1.06]	Conduct [0.88]	Asthma [1.74]	Back Pain [0.75]	Dermatitis [1.01]	Iron [1.14]	Bipolar [1.23]
Virgin Isl US	Headaches [1.12]	Anxiety [0.89]	Neonatal [1.01]	Conduct [0.92]	Depression [0.87]	Asthma [1.59]	Back Pain [0.69]	Dermatitis [0.98]	Acne [1.08]	Bipolar [1.18]
Central Latin America	Headaches [1.0]	Neonatal [1.41]	Conduct [0.98]	Back Pain [0.81]	Depression [0.74]	Anxiety [0.69]	Epilepsy [1.69]	Asthma [1.0]	Dermatitis [0.89]	Bipolar [1.11]
Colombia	Headaches [1.05]	Neonatal [1.39]	Back Pain [1.11]	Conduct [0.95]	Anxiety [0.6]	Depression [0.63]	Epilepsy [1.73]	Dermatitis [1.02]	Asthma [1.01]	Drugs [1.8]
Costa Rica	Headaches [1.0]	Neonatal [1.31]	Conduct [0.95]	Back Pain [0.85]	Depression [0.82]	Anxiety [0.67]	Asthma [1.38]	Iron [1.0]	Epilepsy [1.58]	Dermatitis [0.96]
El Salvador	Headaches [1.02]	Neonatal [1.41]	Conduct [0.94]	Back Pain [0.92]	Depression [0.95]	Anxiety [0.72]	Asthma [1.32]	Epilepsy [1.43]	Dermatitis [0.91]	Iron [0.5]
Guatemala	Headaches [1.04]	Neonatal [1.48]	Conduct [0.94]	Back Pain [1.06]	Depression [0.94]	Anxiety [0.73]	Dermatitis [1.09]	Iron [0.4]	Epilepsy [1.08]	Asthma [0.92]
Honduras	Headaches [1.05]	Neonatal [1.62]	Conduct [0.94]	Back Pain [0.97]	Anxiety [0.73]	Iron [0.58]	Depression [0.74]	Epilepsy [1.59]	Asthma [1.29]	Dermatitis [1.09]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Mexico	Headaches [0.97]	Neonatal [1.42]	Conduct [1.01]	Anxiety [0.72]	Depression [0.73]	Back Pain [0.65]	Epilepsy [1.83]	Asthma [0.93]	Bipolar [1.12]	Acne [1.38]
Aguascalientes	Headaches [0.97]	Neonatal [1.4]	Conduct [1.01]	Anxiety [0.71]	Back Pain [0.67]	Depression [0.72]	Epilepsy [1.94]	Asthma [1.0]	Bipolar [1.09]	Acne [1.3]
Baja CA	Headaches [0.97]	Neonatal [1.4]	Conduct [1.01]	Anxiety [0.71]	Back Pain [0.66]	Depression [0.67]	Epilepsy [1.87]	Drugs [2.07]	Acne [1.37]	Bipolar [1.11]
Baja CA Sur	Headaches [0.96]	Neonatal [1.47]	Conduct [1.01]	Anxiety [0.7]	Depression [0.73]	Back Pain [0.64]	Epilepsy [1.91]	Asthma [0.97]	Drugs [1.66]	Acne [1.33]
Campeche	Headaches [0.98]	Neonatal [1.57]	Conduct [1.01]	Depression [0.86]	Anxiety [0.74]	Back Pain [0.68]	Epilepsy [1.7]	Iron [0.64]	Asthma [0.94]	Bipolar [1.13]
Chiapas	Headaches [1.01]	Neonatal [1.48]	Conduct [1.01]	Anxiety [0.77]	Back Pain [0.72]	Depression [0.72]	Epilepsy [1.61]	Asthma [0.96]	Bipolar [1.15]	Dermatitis [0.74]
Chihuahua	Headaches [0.97]	Neonatal [1.3]	Conduct [1.01]	Anxiety [0.72]	Depression [0.76]	Back Pain [0.68]	Epilepsy [1.85]	Asthma [1.04]	Drugs [1.88]	Acne [1.37]
Coahuila	Headaches [0.97]	Neonatal [1.19]	Conduct [1.01]	Anxiety [0.71]	Back Pain [0.68]	Depression [0.72]	Epilepsy [1.87]	Asthma [1.02]	Bipolar [1.12]	Acne [1.36]
Colima	Headaches [0.97]	Neonatal [1.5]	Conduct [1.01]	Anxiety [0.71]	Back Pain [0.66]	Depression [0.71]	Epilepsy [1.92]	Asthma [0.94]	Bipolar [1.1]	Acne [1.31]
Mexico City	Headaches [0.96]	Neonatal [1.48]	Conduct [0.98]	Depression [0.74]	Back Pain [0.64]	Anxiety [0.63]	Epilepsy [2.28]	Dermatitis [0.86]	Acne [1.21]	Bipolar [1.09]
Durango	Headaches [0.98]	Neonatal [1.26]	Conduct [1.01]	Anxiety [0.73]	Back Pain [0.69]	Depression [0.72]	Epilepsy [1.79]	Dermatitis [0.94]	Asthma [1.02]	Bipolar [1.12]
Guanajuato	Headaches [0.98]	Neonatal [1.29]	Conduct [1.01]	Anxiety [0.74]	Depression [0.77]	Back Pain [0.69]	Epilepsy [1.83]	Asthma [1.01]	Bipolar [1.12]	Acne [1.41]
Guerrero	Headaches [1.0]	Neonatal [1.53]	Conduct [1.01]	Anxiety [0.77]	Back Pain [0.71]	Depression [0.71]	Epilepsy [1.61]	Asthma [0.96]	Drugs [1.86]	Bipolar [1.16]
Hidalgo	Headaches [0.99]	Neonatal [1.78]	Conduct [1.01]	Anxiety [0.76]	Back Pain [0.7]	Depression [0.7]	Epilepsy [1.7]	Asthma [1.01]	Drugs [1.8]	Bipolar [1.14]
Jalisco	Headaches [0.97]	Neonatal [1.35]	Conduct [1.01]	Anxiety [0.71]	Epilepsy [2.19]	Depression [0.76]	Back Pain [0.67]	Asthma [0.85]	Bipolar [1.09]	Acne [1.32]
Mexico	Headaches [0.93]	Neonatal [1.7]	Conduct [1.01]	Anxiety [0.72]	Depression [0.71]	Epilepsy [1.8]	Back Pain [0.51]	Bipolar [1.11]	Acne [1.39]	Asthma [0.84]
Michoacan	Headaches [1.0]	Neonatal [1.23]	Conduct [1.01]	Anxiety [0.76]	Back Pain [0.71]	Depression [0.73]	Epilepsy [1.62]	Asthma [1.0]	Bipolar [1.14]	Drugs [1.67]
Morelos	Headaches [0.98]	Neonatal [1.39]	Conduct [1.01]	Anxiety [0.72]	Depression [0.7]	Epilepsy [1.88]	Back Pain [0.58]	Asthma [0.88]	Bipolar [1.11]	Acne [1.38]
Nayarit	Headaches [0.98]	Neonatal [1.52]	Conduct [1.01]	Anxiety [0.73]	Back Pain [0.68]	Depression [0.7]	Epilepsy [1.74]	Asthma [0.97]	Bipolar [1.12]	Acne [1.43]
Nuevo Leon	Headaches [0.96]	Conduct [1.02]	Neonatal [1.14]	Anxiety [0.69]	Back Pain [0.66]	Depression [0.71]	Epilepsy [2.0]	Acne [1.33]	Bipolar [1.11]	Asthma [0.83]
Oaxaca	Headaches [1.01]	Neonatal [1.45]	Conduct [1.01]	Anxiety [0.77]	Back Pain [0.71]	Epilepsy [1.68]	Depression [0.7]	Asthma [0.97]	Bipolar [1.15]	Dermatitis [0.74]
Puebla	Headaches [1.0]	Neonatal [1.35]	Conduct [1.01]	Anxiety [0.76]	Back Pain [0.71]	Depression [0.72]	Epilepsy [1.31]	Asthma [1.0]	Bipolar [1.16]	Dermatitis [0.74]
Queretaro	Headaches [0.97]	Neonatal [1.49]	Conduct [1.01]	Anxiety [0.72]	Back Pain [0.67]	Depression [0.73]	Epilepsy [1.85]	Asthma [0.99]	Bipolar [1.1]	Acne [1.35]
Quintana Roo	Neonatal [1.81]	Headaches [0.98]	Conduct [1.01]	Depression [0.84]	Anxiety [0.73]	Back Pain [0.66]	Epilepsy [1.83]	Asthma [0.93]	Bipolar [1.13]	Acne [1.42]
San Luis Potosi	Headaches [0.98]	Neonatal [1.23]	Conduct [1.01]	Anxiety [0.74]	Depression [0.74]	Back Pain [0.69]	Epilepsy [1.78]	Asthma [1.0]	Bipolar [1.11]	Acne [1.42]
Sinaloa	Headaches [0.97]	Neonatal [1.28]	Conduct [1.01]	Anxiety [0.71]	Back Pain [0.66]	Depression [0.68]	Epilepsy [1.83]	Asthma [0.95]	Acne [1.4]	Bipolar [1.11]
Sonora	Headaches [0.97]	Neonatal [1.24]	Conduct [1.01]	Anxiety [0.71]	Back Pain [0.67]	Depression [0.72]	Epilepsy [1.93]	Asthma [0.99]	Acne [1.35]	Bipolar [1.11]
Tabasco	Headaches [0.98]	Neonatal [1.55]	Conduct [1.01]	Depression [0.81]	Anxiety [0.74]	Back Pain [0.69]	Epilepsy [1.74]	Iron [0.59]	Asthma [0.88]	Bipolar [1.11]
Tamaulipas	Headaches [0.97]	Neonatal [1.59]	Conduct [1.01]	Anxiety [0.71]	Back Pain [0.67]	Depression [0.68]	Epilepsy [1.82]	Asthma [0.94]	Drugs [1.71]	Acne [1.42]
Tlaxcala	Headaches [0.99]	Neonatal [1.53]	Conduct [1.01]	Anxiety [0.75]	Back Pain [0.7]	Epilepsy [1.8]	Depression [0.7]	Asthma [1.01]	Bipolar [1.13]	Acne [1.49]
Veracruz	Headaches [0.99]	Neonatal [1.53]	Conduct [1.01]	Anxiety [0.76]	Depression [0.75]	Back Pain [0.7]	Epilepsy [1.78]	Asthma [0.96]	Bipolar [1.15]	Dermatitis [0.74]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Yucatan	Headaches [0.98]	Neonatal [1.32]	Conduct [1.01]	Depression [0.82]	Anxiety [0.73]	Epilepsy [1.84]	Asthma [0.89]	Bipolar [1.15]	Acne [1.39]	Dermatitis [0.67]
Zacatecas	Headaches [0.98]	Conduct [1.01]	Neonatal [0.98]	Anxiety [0.74]	Back Pain [0.7]	Epilepsy [1.82]	Depression [0.69]	Asthma [1.03]	Bipolar [1.12]	Dermatitis [0.73]
Nicaragua	Headaches [1.04]	Neonatal [1.51]	Conduct [0.95]	Back Pain [0.95]	Depression [0.88]	Anxiety [0.73]	Dermatitis [1.1]	Epilepsy [1.27]	Asthma [1.06]	Diarrhea [1.63]
Panama	Headaches [0.99]	Neonatal [1.28]	Conduct [0.96]	Back Pain [0.82]	Dermatitis [1.31]	Depression [0.74]	Anxiety [0.65]	Iron [1.15]	Asthma [1.27]	Diarrhea [2.46]
Venezuela	Headaches [0.98]	Neonatal [1.4]	Conduct [0.96]	Back Pain [0.75]	Depression [0.79]	Anxiety [0.66]	Diarrhea [3.0]	Dermatitis [1.1]	Epilepsy [1.65]	Asthma [1.06]
Tropical Latin America	Headaches [1.43]	Back Pain [2.06]	Anxiety [1.22]	Depression [1.23]	Conduct [0.94]	Iron [1.63]	Neonatal [0.93]	Bipolar [1.73]	Asthma [1.28]	Acne [1.41]
Brazil	Headaches [1.43]	Back Pain [2.08]	Anxiety [1.21]	Depression [1.23]	Conduct [0.94]	Iron [1.69]	Neonatal [0.94]	Bipolar [1.72]	Asthma [1.27]	Acne [1.39]
Acre	Headaches [1.45]	Back Pain [2.2]	Iron [1.75]	Anxiety [1.29]	Depression [1.23]	Conduct [0.95]	Neonatal [1.01]	Bipolar [1.75]	Asthma [1.18]	Falls [1.91]
Alagoas	Headaches [1.49]	Back Pain [2.22]	Iron [1.33]	Depression [1.4]	Anxiety [1.33]	Conduct [0.95]	Neonatal [0.86]	Bipolar [1.82]	Asthma [1.17]	Congenital [0.96]
Amapa	Headaches [1.43]	Back Pain [2.01]	Anxiety [1.22]	Iron [2.0]	Depression [1.23]	Conduct [0.95]	Neonatal [0.99]	Bipolar [1.7]	Asthma [1.27]	Acne [1.36]
Amazonas	Headaches [1.44]	Back Pain [2.12]	Anxiety [1.25]	Iron [1.74]	Depression [1.13]	Conduct [0.95]	Neonatal [0.83]	Bipolar [1.73]	Asthma [1.25]	Acne [1.46]
Bahia	Headaches [1.46]	Back Pain [2.18]	Iron [1.63]	Anxiety [1.31]	Depression [1.11]	Conduct [0.86]	Neonatal [0.93]	Bipolar [1.8]	Asthma [1.14]	Dermatitis [0.99]
Ceara	Headaches [1.46]	Back Pain [2.17]	Iron [1.63]	Anxiety [1.3]	Depression [1.3]	Conduct [0.94]	Neonatal [0.88]	Bipolar [1.81]	Asthma [1.22]	Vit A [2.97]
Distrito Federal	Headaches [1.42]	Back Pain [1.9]	Anxiety [1.07]	Depression [1.17]	Conduct [0.99]	Neonatal [1.02]	Asthma [1.29]	Bipolar [1.6]	Acne [1.17]	Iron [2.22]
Espirito Santo	Headaches [1.43]	Back Pain [2.0]	Iron [2.54]	Anxiety [1.2]	Depression [1.26]	Conduct [0.95]	Neonatal [0.91]	Asthma [1.52]	Bipolar [1.69]	Acne [1.37]
Goias	Headaches [1.44]	Back Pain [2.11]	Anxiety [1.24]	Depression [1.28]	Conduct [0.95]	Iron [1.35]	Neonatal [0.85]	Bipolar [1.73]	Asthma [1.33]	Acne [1.44]
Maranhao	Headaches [1.5]	Back Pain [2.25]	Iron [1.55]	Anxiety [1.33]	Depression [1.19]	Conduct [0.95]	Neonatal [0.97]	Bipolar [1.85]	Asthma [1.18]	Vit A [1.98]
Mato Grosso	Headaches [1.43]	Back Pain [2.08]	Anxiety [1.22]	Depression [1.18]	Conduct [0.95]	Iron [1.38]	Neonatal [0.89]	Asthma [1.4]	Bipolar [1.69]	Acne [1.39]
Mato Grosso do Sul	Headaches [1.44]	Back Pain [2.12]	Anxiety [1.23]	Depression [1.32]	Conduct [0.95]	Neonatal [1.03]	Iron [1.26]	Bipolar [1.71]	Asthma [1.28]	Falls [1.61]
Minas Gerais	Headaches [1.42]	Back Pain [2.1]	Anxiety [1.23]	Depression [1.21]	Conduct [0.95]	Neonatal [0.99]	Iron [1.46]	Bipolar [1.74]	Asthma [1.31]	Acne [1.45]
Para	Headaches [1.47]	Back Pain [2.17]	Anxiety [1.32]	Conduct [0.95]	Depression [1.04]	Iron [1.03]	Neonatal [0.9]	Bipolar [1.8]	Asthma [1.28]	Diarrhea [1.5]
Paraiba	Headaches [1.47]	Back Pain [2.2]	Anxiety [1.32]	Iron [1.34]	Depression [1.24]	Conduct [0.95]	Neonatal [0.83]	Bipolar [1.81]	Asthma [1.24]	Vit A [2.4]
Parana	Headaches [1.43]	Back Pain [2.08]	Anxiety [1.2]	Depression [1.24]	Conduct [0.95]	Neonatal [0.96]	Iron [1.63]	Asthma [1.35]	Bipolar [1.72]	Acne [1.38]
Pernambuco	Headaches [1.46]	Back Pain [2.17]	Depression [1.41]	Iron [1.54]	Anxiety [1.31]	Conduct [0.95]	Neonatal [0.87]	Bipolar [1.79]	Asthma [1.28]	Congenital [1.01]
Piaui	Headaches [1.49]	Back Pain [2.26]	Anxiety [1.34]	Depression [1.17]	Conduct [0.95]	Neonatal [1.0]	Bipolar [1.85]	Asthma [1.26]	Iron [0.46]	Congenital [0.98]
Rio de Janeiro	Headaches [1.43]	Back Pain [1.77]	Anxiety [1.16]	Depression [1.14]	Neonatal [1.15]	Conduct [0.96]	Iron [1.47]	Bipolar [1.68]	Asthma [1.23]	Acne [1.27]
Rio Grande do Norte	Headaches [1.46]	Back Pain [2.16]	Anxiety [1.3]	Iron [1.58]	Depression [1.28]	Conduct [0.95]	Neonatal [0.8]	Bipolar [1.8]	Asthma [1.23]	Acne [1.64]
Rio Grande do Sul	Back Pain [2.7]	Headaches [1.43]	Anxiety [1.17]	Depression [1.29]	Conduct [0.88]	Neonatal [0.96]	Iron [1.51]	Epilepsy [2.18]	Congenital [1.61]	Asthma [1.34]
Rondonia	Headaches [1.45]	Back Pain [2.16]	Anxiety [1.27]	Depression [1.25]	Conduct [0.95]	Neonatal [1.05]	Iron [1.23]	Congenital [1.66]	Bipolar [1.75]	Asthma [1.27]
Roraima	Headaches [1.43]	Back Pain [2.08]	Iron [2.08]	Depression [1.41]	Anxiety [1.23]	Conduct [0.95]	Neonatal [1.04]	Bipolar [1.68]	Asthma [1.26]	Acne [1.41]
Santa Catarina	Headaches [1.7]	Back Pain [2.0]	Depression [1.37]	Anxiety [1.17]	Conduct [0.96]	Iron [1.74]	Neonatal [0.87]	Asthma [1.49]	Bipolar [1.71]	Acne [1.37]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Sao Paulo	Headaches [1.36]	Back Pain [2.0]	Depression [1.3]	Anxiety [1.13]	Conduct [0.97]	Neonatal [0.97]	Iron [1.8]	Bipolar [1.71]	Asthma [1.27]	Acne [1.29]
Sergipe	Headaches [1.45]	Back Pain [2.12]	Iron [1.86]	Anxiety [1.28]	Depression [1.23]	Conduct [0.95]	Neonatal [1.03]	Bipolar [1.77]	Asthma [1.34]	Acne [1.53]
Tocantins	Headaches [1.45]	Back Pain [2.17]	Anxiety [1.28]	Iron [1.58]	Depression [1.3]	Conduct [0.95]	Neonatal [1.01]	Bipolar [1.77]	Asthma [1.3]	Acne [1.57]
Paraguay	Headaches [1.44]	Back Pain [1.41]	Anxiety [1.3]	Depression [1.06]	Conduct [0.9]	Iron [1.09]	Asthma [1.63]	Neonatal [0.79]	Bipolar [1.7]	Dermatitis [1.0]
North Africa and Middle East	Headaches [1.02]	Back Pain [1.24]	Anxiety [1.15]	Depression [1.17]	Conduct [0.94]	Iron [1.42]	Neonatal [0.96]	Dermatitis [0.85]	Asthma [0.86]	Diarrhea [1.73]
Afghanistan	Headaches [1.19]	Back Pain [1.56]	Anxiety [1.31]	Depression [1.17]	Conduct [0.95]	Leish [1535.56]	Conflict Terror [27.09]	Neonatal [1.34]	Iron [0.3]	Dermatitis [1.08]
Algeria	Headaches [0.99]	Back Pain [1.13]	Anxiety [1.1]	Depression [1.11]	Conduct [0.95]	Neonatal [1.07]	Dermatitis [0.87]	Asthma [0.9]	Bipolar [0.99]	Congenital [0.89]
Bahrain	Headaches [0.98]	Back Pain [1.11]	Anxiety [1.08]	Depression [1.18]	Conduct [0.95]	Neonatal [1.05]	Dermatitis [1.01]	Iron [1.06]	Asthma [0.82]	Bipolar [1.02]
Egypt	Headaches [1.08]	Back Pain [1.4]	Iron [1.39]	Anxiety [1.08]	Conduct [0.94]	Neonatal [1.04]	Depression [1.0]	Asthma [1.04]	Bipolar [1.03]	Congenital [0.87]
Iran	Headaches [1.38]	Anxiety [1.45]	Depression [1.42]	Back Pain [1.09]	Neonatal [1.21]	Conduct [1.02]	Congenital [1.02]	Drugs [1.56]	Diarrhea [2.28]	Dermatitis [0.66]
Iraq	Headaches [1.01]	Back Pain [1.24]	Anxiety [1.16]	Neonatal [1.11]	Conduct [0.92]	Depression [1.06]	Iron [0.82]	Conflict Terror [552.98]	Asthma [0.92]	Dermatitis [0.79]
Jordan	Headaches [0.97]	Neonatal [1.38]	Back Pain [1.13]	Anxiety [1.09]	Depression [1.1]	Conduct [0.96]	Iron [1.55]	Asthma [1.04]	Dermatitis [0.88]	Bipolar [0.98]
Kuwait	Headaches [0.81]	Back Pain [1.05]	Anxiety [0.99]	Neonatal [1.15]	Depression [1.06]	Conduct [0.99]	Dermatitis [0.88]	Asthma [0.93]	Bipolar [0.92]	Congenital [0.91]
Lebanon	Headaches [0.98]	Anxiety [1.28]	Depression [1.05]	Neonatal [1.04]	Conduct [0.92]	Back Pain [0.84]	Dermatitis [1.05]	Asthma [1.09]	Bipolar [1.24]	Drugs [1.54]
Libya	Headaches [0.98]	Back Pain [1.1]	Anxiety [1.02]	Depression [1.11]	Conduct [0.97]	Neonatal [1.01]	Conflict Terror [2634.12]	Dermatitis [0.99]	Diarrhea [3.67]	Drugs [1.69]
Morocco	Headaches [1.02]	Depression [1.72]	Back Pain [1.46]	Anxiety [1.24]	Conduct [0.94]	Neonatal [1.06]	Iron [0.84]	Dermatitis [1.05]	Bipolar [1.06]	Diarrhea [1.4]
Palestine	Headaches [1.03]	Depression [1.66]	Back Pain [1.27]	Anxiety [1.25]	Conduct [0.94]	Neonatal [1.16]	Iron [0.65]	Conflict Terror [312.6]	Dermatitis [0.99]	Asthma [0.97]
Oman	Headaches [0.97]	Back Pain [1.08]	Anxiety [1.04]	Depression [1.09]	Conduct [0.97]	Neonatal [1.07]	Dermatitis [0.77]	Iron [1.24]	Diarrhea [2.64]	Blindness [1.72]
Qatar	Headaches [0.95]	Back Pain [1.12]	Anxiety [1.0]	Depression [1.07]	Conduct [1.0]	Neonatal [0.95]	Dermatitis [0.98]	Iron [1.38]	Bipolar [0.94]	Congenital [0.92]
Saudi Arabia	Headaches [1.03]	Back Pain [1.11]	Anxiety [1.01]	Depression [1.11]	Conduct [0.98]	Neonatal [0.72]	Dermatitis [0.97]	Bipolar [1.0]	Congenital [0.98]	Diarrhea [2.54]
Sudan	Iron [1.32]	Headaches [1.04]	Back Pain [1.39]	Anxiety [1.25]	Depression [1.13]	Conduct [0.94]	Neonatal [0.85]	Diarrhea [1.64]	Dermatitis [0.88]	Asthma [0.94]
Syria	Conflict Terror [2029.97]	Headaches [0.98]	Back Pain [1.2]	Anxiety [1.18]	Depression [1.11]	Conduct [0.94]	Iron [1.06]	Neonatal [0.9]	Asthma [0.83]	Congenital [0.89]
Tunisia	Headaches [0.99]	Anxiety [1.13]	Depression [1.15]	Back Pain [1.04]	Conduct [0.95]	Neonatal [1.04]	Dermatitis [1.03]	Bipolar [1.02]	Asthma [0.73]	Congenital [0.83]
Turkey	Headaches [0.8]	Back Pain [1.26]	Depression [1.11]	Conduct [0.94]	Anxiety [0.83]	Neonatal [0.74]	Dermatitis [0.79]	Bipolar [1.02]	Iron [0.97]	Asthma [0.74]
UAE	Headaches [0.97]	Back Pain [1.02]	Anxiety [0.96]	Conduct [0.96]	Neonatal [1.01]	Depression [0.85]	Dermatitis [0.97]	Asthma [1.04]	Drugs [1.56]	Bipolar [0.97]
Yemen	Iron [2.95]	Headaches [1.05]	Back Pain [1.3]	Anxiety [1.24]	Depression [1.16]	Conduct [0.92]	Neonatal [1.28]	Vit A [1.77]	Diarrhea [1.68]	Hemog [2.71]
South Asia	Iron [1.94]	Headaches [0.97]	Neonatal [1.51]	Conduct [0.86]	Anxiety [0.84]	Depression [0.75]	Back Pain [0.62]	Vit A [2.48]	Congenital [1.03]	Diarrhea [1.44]
Bangladesh	Headaches [1.07]	Iron [0.85]	Neonatal [1.56]	Anxiety [1.05]	Depression [1.0]	Conduct [0.8]	Back Pain [0.94]	Dermatitis [1.0]	Congenital [1.0]	Oth MSK [11.38]
Bhutan	Iron [2.02]	Headaches [1.01]	Neonatal [1.31]	Conduct [0.81]	Anxiety [0.92]	Back Pain [0.83]	Depression [0.77]	Diarrhea [2.06]	Dermatitis [1.02]	Epilepsy [1.0]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
India	Iron [2.34]	Headaches [0.97]	Neonatal [1.54]	Conduct [0.87]	Anxiety [0.8]	Vit A [3.28]	Depression [0.72]	Back Pain [0.56]	ID [6.21]	Congenital [1.1]
Andhra Pradesh	Iron [1.84]	Headaches [0.99]	Neonatal [1.72]	Conduct [0.86]	Depression [0.94]	Anxiety [0.82]	Back Pain [0.6]	Vit A [2.52]	ID [5.27]	Congenital [1.07]
Arunachal Pradesh	Iron [2.19]	Headaches [0.98]	Neonatal [1.62]	Conduct [0.87]	Depression [0.88]	Anxiety [0.81]	Back Pain [0.58]	Vit A [2.28]	Congenital [1.09]	ID [5.13]
Assam	Iron [2.93]	Headaches [0.98]	Neonatal [1.45]	Conduct [0.86]	Anxiety [0.81]	Vit A [3.26]	Depression [0.75]	ID [6.6]	Congenital [1.1]	Hemog [2.57]
Bihar	Iron [1.62]	Headaches [1.01]	Neonatal [1.82]	Conduct [0.88]	Vit A [2.06]	Anxiety [0.81]	ID [6.78]	Depression [0.64]	Back Pain [0.61]	Diarrhea [1.34]
Chhattisgarh	Iron [2.61]	Headaches [0.99]	Neonatal [1.61]	Conduct [0.86]	Vit A [3.22]	Anxiety [0.75]	Depression [0.62]	Back Pain [0.6]	ID [5.7]	Congenital [1.07]
Delhi	Iron [7.64]	Headaches [0.92]	Neonatal [1.47]	Conduct [0.89]	Anxiety [0.68]	Depression [0.62]	Vit A [6.41]	Back Pain [0.39]	Diarrhea [2.4]	Congenital [1.01]
Goa	Neonatal [1.82]	Headaches [0.93]	Conduct [0.9]	Anxiety [0.63]	Depression [0.68]	Back Pain [0.49]	Iron [1.47]	Congenital [1.04]	Diarrhea [2.61]	Dermatitis [0.6]
Gujarat	Iron [4.26]	Headaches [0.95]	Neonatal [1.55]	Conduct [0.87]	Anxiety [0.76]	Vit A [3.97]	Depression [0.67]	Back Pain [0.57]	Congenital [1.09]	Hemog [3.46]
Haryana	Iron [4.26]	Headaches [0.94]	Neonatal [1.55]	Conduct [0.88]	Depression [0.84]	Anxiety [0.78]	Vit A [3.74]	Back Pain [0.58]	Congenital [1.07]	Hemog [3.56]
Himachal Pradesh	Iron [4.26]	Headaches [0.94]	Neonatal [1.69]	Conduct [0.87]	Anxiety [0.75]	Depression [0.71]	Back Pain [0.56]	Vit A [3.8]	Congenital [1.05]	Diarrhea [1.7]
Jammu & Kashmir	Headaches [0.96]	Neonatal [1.52]	Iron [1.43]	Conduct [0.88]	Anxiety [0.79]	Depression [0.67]	Vit A [3.79]	Back Pain [0.59]	ID [6.24]	Congenital [1.11]
Jharkhand	Iron [1.89]	Headaches [1.0]	Neonatal [1.74]	Conduct [0.95]	Anxiety [0.85]	Vit A [2.38]	Depression [0.68]	Back Pain [0.6]	ID [5.72]	Congenital [1.08]
Karnataka	Neonatal [1.82]	Headaches [0.95]	Iron [1.35]	Conduct [0.74]	Anxiety [0.81]	Depression [0.74]	Back Pain [0.58]	Vit A [3.16]	Congenital [1.06]	ID [5.33]
Kerala	Neonatal [2.08]	Headaches [0.95]	Conduct [0.85]	Anxiety [0.82]	Depression [0.71]	Iron [1.0]	Back Pain [0.53]	Congenital [1.06]	Diarrhea [1.84]	Dermatitis [0.63]
Madhya Pradesh	Iron [2.54]	Headaches [1.0]	Neonatal [1.54]	Conduct [0.86]	Vit A [2.52]	Anxiety [0.74]	Depression [0.67]	ID [6.24]	Back Pain [0.6]	Congenital [1.07]
Maharashtra	Iron [3.1]	Headaches [0.95]	Neonatal [1.66]	Conduct [0.92]	Anxiety [0.77]	Depression [0.76]	Vit A [4.16]	Back Pain [0.52]	Congenital [1.07]	Diarrhea [1.75]
Manipur	Headaches [0.97]	Neonatal [1.73]	Conduct [0.87]	Anxiety [0.89]	Depression [0.84]	Back Pain [0.58]	ID [6.85]	Vit A [3.08]	Congenital [1.11]	Diarrhea [1.56]
Meghalaya	Iron [2.47]	Headaches [0.97]	Neonatal [1.68]	Conduct [0.87]	Depression [0.87]	Anxiety [0.8]	Back Pain [0.58]	Vit A [2.93]	ID [6.19]	Congenital [1.1]
Mizoram	Headaches [0.96]	Neonatal [1.7]	Conduct [0.88]	Anxiety [0.78]	Iron [0.87]	Depression [0.66]	Back Pain [0.57]	Diarrhea [2.19]	ID [6.2]	Congenital [1.09]
Nagaland	Iron [3.29]	Neonatal [1.76]	Headaches [0.94]	Conduct [0.87]	Anxiety [0.76]	Depression [0.71]	Back Pain [0.54]	Vit A [4.29]	Congenital [1.07]	ID [5.54]
Odisha	Headaches [0.99]	Iron [1.23]	Neonatal [1.51]	Conduct [0.86]	Depression [0.89]	Anxiety [0.82]	Vit A [2.9]	Back Pain [0.6]	ID [6.26]	Diarrhea [1.62]
Punjab	Iron [3.72]	Headaches [0.93]	Neonatal [1.6]	Conduct [0.88]	Anxiety [0.73]	Back Pain [0.57]	Depression [0.61]	Vit A [3.9]	Congenital [1.08]	Diarrhea [1.6]
Rajasthan	Iron [1.59]	Headaches [0.98]	Neonatal [1.5]	Conduct [0.87]	Anxiety [0.84]	Vit A [2.3]	Depression [0.66]	ID [5.92]	Congenital [1.08]	Diarrhea [1.28]
Sikkim	Iron [2.85]	Headaches [0.96]	Neonatal [1.73]	Conduct [0.86]	Anxiety [0.77]	Depression [0.72]	Back Pain [0.57]	Diarrhea [1.99]	Congenital [1.05]	Vit A [3.23]
Tamil Nadu	Headaches [0.96]	Neonatal [1.62]	Iron [1.69]	Conduct [0.87]	Depression [0.95]	Anxiety [0.77]	Vit A [5.21]	Back Pain [0.57]	ID [5.3]	Diarrhea [1.6]
Telangana	Iron [2.8]	Headaches [0.98]	Neonatal [1.68]	Conduct [0.86]	Depression [0.92]	Anxiety [0.81]	Back Pain [0.59]	Vit A [3.03]	Congenital [1.08]	ID [5.29]
Tripura	Iron [1.61]	Headaches [0.98]	Neonatal [1.65]	Conduct [0.87]	Anxiety [0.81]	Depression [0.68]	Vit A [2.68]	Back Pain [0.59]	ID [6.21]	Congenital [1.09]
Uttar Pradesh	Iron [2.12]	Headaches [1.0]	Neonatal [1.46]	Conduct [0.87]	Anxiety [0.8]	Vit A [2.37]	Depression [0.66]	ID [6.43]	Back Pain [0.61]	Congenital [1.17]
Uttarakhand	Iron [3.4]	Headaches [0.96]	Neonatal [1.69]	Conduct [0.87]	Anxiety [0.78]	Depression [0.67]	Back Pain [0.59]	Vit A [3.23]	Diarrhea [1.83]	Congenital [1.08]
W Bengal	Headaches [0.99]	Iron [1.33]	Neonatal [1.5]	Conduct [0.86]	Anxiety [0.83]	Vit A [2.96]	Depression [0.69]	Back Pain [0.61]	ID [6.61]	Congenital [1.09]

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Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:	[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
UTs other than Delhi	Iron [3.18]	Neonatal [1.81]	Headaches [0.94]	Conduct [0.88]	Anxiety [0.74]	Depression [0.77]	Back Pain [0.54]	Vit A [4.13]	Congenital [1.06]	Dermatitis [0.63]
Nepal	Headaches [1.34]	Neonatal [1.87]	Back Pain [1.1]	Iron [0.61]	Anxiety [0.95]	Conduct [0.81]	Depression [0.8]	Dermatitis [0.99]	Epilepsy [1.03]	Congenital [0.83]
Pakistan	Headaches [0.89]	Neonatal [1.38]	Iron [0.84]	Conduct [0.82]	Anxiety [0.93]	Depression [0.74]	Back Pain [0.71]	Dermatitis [1.15]	Diarrhea [1.57]	Epilepsy [0.99]
Southeast Asia, East Asia, and Oceania	Headaches [0.61]	Neonatal [1.08]	Conduct [0.82]	Anxiety [0.72]	Back Pain [0.67]	Depression [0.65]	Congenital [0.89]	Hearing [1.57]	Scabies [3.38]	Asthma [0.67]
East Asia	Neonatal [1.36]	Anxiety [0.73]	Headaches [0.45]	Conduct [0.73]	Back Pain [0.63]	Depression [0.59]	Drugs [1.22]	Scabies [3.66]	Hearing [1.44]	Congenital [0.71]
China	Neonatal [1.39]	Anxiety [0.73]	Conduct [0.73]	Headaches [0.44]	Back Pain [0.62]	Depression [0.59]	Drugs [1.23]	Scabies [3.54]	Hearing [1.43]	Congenital [0.71]
N Korea	Headaches [0.58]	Back Pain [0.94]	Anxiety [0.92]	Iron [0.74]	Conduct [0.72]	Neonatal [0.72]	Depression [0.65]	Scabies [1.61]	Hearing [1.09]	Drugs [1.49]
Taiwan	Headaches [0.7]	Back Pain [0.85]	Anxiety [0.71]	Conduct [0.86]	Depression [0.53]	Neonatal [0.55]	Drugs [1.06]	Congenital [0.83]	Hearing [2.06]	Acne [0.54]
Oceania	Iron [1.02]	Headaches [0.73]	Conduct [0.87]	Anxiety [0.9]	Depression [0.87]	Back Pain [0.87]	Asthma [1.56]	Neonatal [0.79]	Dermatitis [0.83]	Diarrhea [1.24]
Am Samoa	Headaches [0.68]	Conduct [0.88]	Iron [1.79]	Anxiety [0.78]	Back Pain [0.75]	Asthma [1.56]	Depression [0.76]	Neonatal [0.72]	Diarrhea [2.97]	Dermatitis [0.78]
Micronesia	Iron [1.44]	Headaches [0.7]	Conduct [0.87]	Anxiety [0.88]	Depression [0.87]	Back Pain [0.82]	Asthma [1.45]	Neonatal [0.72]	Diarrhea [1.9]	Dermatitis [0.86]
Fiji	Headaches [0.69]	Iron [1.45]	Conduct [0.87]	Anxiety [0.83]	Depression [0.85]	Back Pain [0.72]	Asthma [1.37]	Neonatal [0.65]	Diarrhea [2.08]	Dermatitis [0.82]
Guam	Headaches [0.68]	Depression [0.97]	Conduct [0.91]	Diarrhea [6.97]	Anxiety [0.71]	Back Pain [0.68]	Asthma [1.39]	Neonatal [0.74]	Iron [2.64]	Dermatitis [0.75]
Kiribati	Iron [1.08]	Headaches [0.76]	Conduct [0.86]	Anxiety [0.91]	Depression [0.85]	Back Pain [0.85]	Asthma [1.56]	Neonatal [0.82]	Diarrhea [1.25]	Dermatitis [0.84]
Marshall	Iron [1.2]	Headaches [0.71]	Conduct [0.87]	Anxiety [0.89]	Depression [0.85]	Back Pain [0.79]	Neonatal [0.75]	Asthma [1.37]	Diarrhea [1.73]	Dermatitis [0.86]
N Mariana	Headaches [0.71]	Conduct [0.87]	Anxiety [0.74]	Depression [0.87]	Back Pain [0.73]	Neonatal [0.87]	Asthma [1.47]	Iron [2.08]	Diarrhea [3.71]	Dermatitis [0.73]
PNG	Iron [0.88]	Headaches [0.76]	Conduct [0.87]	Anxiety [0.9]	Depression [0.87]	Back Pain [0.9]	Asthma [1.61]	Neonatal [0.87]	Dermatitis [0.83]	Blindness [1.58]
Samoa	Headaches [0.7]	Iron [1.13]	Conduct [0.87]	Anxiety [0.88]	Back Pain [0.81]	Depression [0.84]	Neonatal [0.76]	Asthma [1.42]	Diarrhea [2.02]	Dermatitis [0.86]
Solomon	Iron [1.23]	Headaches [0.75]	Conduct [0.87]	Anxiety [0.9]	Depression [0.84]	Back Pain [0.84]	Neonatal [0.96]	Asthma [1.47]	Diarrhea [1.24]	Vit A [0.99]
Tonga	Headaches [0.69]	Conduct [0.87]	Asthma [1.84]	Anxiety [0.85]	Back Pain [0.81]	Depression [0.78]	Neonatal [0.71]	Iron [0.85]	Diarrhea [2.37]	Dermatitis [0.84]
Vanuatu	Iron [1.41]	Headaches [0.72]	Conduct [0.87]	Anxiety [0.9]	Back Pain [0.91]	Depression [0.85]	Asthma [1.62]	Neonatal [0.83]	Vit A [1.55]	Dermatitis [0.84]
Southeast Asia	Headaches [0.83]	Conduct [0.93]	Back Pain [0.74]	Anxiety [0.72]	Depression [0.73]	Neonatal [0.72]	Iron [0.72]	Congenital [1.15]	Hearing [1.71]	Asthma [0.88]
Cambodia	Iron [1.08]	Headaches [0.88]	Conduct [0.89]	Back Pain [1.05]	Depression [0.87]	Anxiety [0.81]	Neonatal [0.79]	Congenital [1.16]	Dermatitis [0.91]	Hearing [1.44]
Indonesia	Headaches [0.83]	Conduct [0.98]	Back Pain [0.74]	Anxiety [0.72]	Neonatal [0.74]	Depression [0.64]	Iron [0.83]	Asthma [0.93]	Congenital [1.02]	Hearing [1.67]
Laos	Headaches [0.86]	Iron [0.91]	Conduct [0.89]	Anxiety [1.01]	Back Pain [0.89]	Depression [0.79]	Congenital [1.18]	Dermatitis [0.92]	Neonatal [0.55]	Hearing [1.5]
Malaysia	Depression [1.38]	Headaches [0.76]	Conduct [0.92]	Anxiety [0.82]	Neonatal [0.8]	Back Pain [0.64]	Dermatitis [0.91]	Congenital [1.13]	Hearing [2.14]	Scabies [5.74]
Maldives	Headaches [0.82]	Conduct [0.91]	Iron [1.4]	Depression [0.85]	Anxiety [0.72]	Back Pain [0.7]	Neonatal [0.66]	Dermatitis [0.87]	Congenital [1.13]	Hearing [1.79]
Mauritius	Headaches [0.81]	Iron [3.15]	Depression [1.15]	Conduct [0.9]	Neonatal [0.83]	Back Pain [0.72]	Anxiety [0.68]	Dermatitis [0.83]	Asthma [0.92]	Congenital [1.11]
Myanmar	Headaches [0.85]	Conduct [0.89]	Iron [0.81]	Anxiety [0.8]	Congenital [1.7]	Neonatal [0.73]	Back Pain [0.63]	Hearing [1.71]	Dermatitis [0.93]	Depression [0.5]
Philippines	Headaches [0.83]	Conduct [0.9]	Back Pain [0.88]	Anxiety [0.76]	Depression [0.77]	Neonatal [0.76]	Dermatitis [1.0]	Asthma [1.06]	Congenital [1.2]	Hearing [1.67]
Sri Lanka	Headaches [0.81]	Conduct [0.91]	Depression [0.9]	Anxiety [0.71]	Neonatal [0.75]	Back Pain [0.63]	Congenital [1.33]	Iron [0.86]	Dermatitis [0.85]	Hearing [1.9]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Seychelles	Headaches [0.82]	Conduct [0.91]	Neonatal [0.82]	Anxiety [0.7]	Depression [0.77]	Back Pain [0.69]	Dermatitis [0.86]	Congenital [1.12]	Hearing [1.88]	Asthma [0.81]
Thailand	Headaches [0.92]	Conduct [0.9]	Anxiety [0.71]	Depression [0.79]	Back Pain [0.7]	Neonatal [0.67]	Dermatitis [0.93]	Drugs [1.83]	Congenital [1.16]	Scabies [4.09]
Timor-Leste	Iron [1.32]	Headaches [0.86]	Conduct [0.89]	Depression [0.94]	Anxiety [0.8]	Back Pain [0.77]	Neonatal [0.66]	LF [23.66]	Congenital [1.18]	Dermatitis [0.92]
Vietnam	Headaches [0.84]	Conduct [0.9]	Depression [0.75]	Back Pain [0.66]	Neonatal [0.62]	Anxiety [0.5]	Congenital [1.06]	Hearing [1.57]	Dermatitis [0.77]	Scabies [2.2]
Sub-Saharan Africa	Iron [1.14]	Headaches [0.8]	Conduct [0.94]	Depression [1.05]	Anxiety [0.96]	Back Pain [0.85]	Neonatal [0.95]	Vit A [1.57]	Dermatitis [1.01]	Epilepsy [1.2]
Central Sub-Saharan Africa	Iron [0.88]	Oncho [244.55]	Headaches [0.79]	Depression [1.21]	Conduct [0.93]	Anxiety [0.95]	Vit A [2.31]	Back Pain [0.9]	Neonatal [1.0]	Epilepsy [1.63]
Angola	Iron [1.62]	Headaches [0.78]	Depression [1.21]	Conduct [0.93]	Neonatal [1.19]	Anxiety [0.95]	Back Pain [0.88]	Epilepsy [1.76]	Dermatitis [1.08]	Diarrhea [1.52]
C African Rep	Iron [0.99]	Headaches [0.86]	Depression [1.25]	Conduct [0.94]	Anxiety [0.98]	Back Pain [0.98]	Vit A [1.15]	Epilepsy [1.49]	Oncho [44.14]	Malaria [2.36]
Congo	Iron [1.78]	Headaches [0.75]	Depression [1.21]	Conduct [0.94]	Neonatal [1.06]	Anxiety [0.93]	Back Pain [0.89]	Epilepsy [2.09]	Vit A [4.41]	Dermatitis [1.1]
Congo DR	Oncho [150.6]	Headaches [0.83]	Depression [1.19]	Conduct [0.94]	Vit A [1.71]	Anxiety [0.96]	Iron [0.47]	Back Pain [0.95]	Neonatal [1.16]	Epilepsy [1.46]
Eq Guinea	Headaches [0.72]	Iron [1.62]	Depression [1.22]	Conduct [0.98]	Anxiety [0.86]	Back Pain [0.82]	Epilepsy [2.27]	Neonatal [0.67]	Dermatitis [1.04]	Malaria [434.52]
Gabon	Iron [2.79]	Headaches [0.75]	Depression [1.22]	Neonatal [1.2]	Conduct [0.93]	Anxiety [0.87]	Back Pain [0.79]	Epilepsy [2.42]	Dermatitis [1.04]	Asthma [1.01]
Eastern Sub-Saharan Africa	Iron [0.78]	Depression [1.12]	Conduct [0.96]	Anxiety [1.02]	Headaches [0.61]	Neonatal [1.4]	Dermatitis [1.11]	Vit A [1.03]	Epilepsy [1.19]	Back Pain [0.6]
Burundi	Depression [1.13]	Conduct [0.94]	Anxiety [1.05]	Headaches [0.66]	Iron [0.36]	Dermatitis [1.17]	Conflict Terror [27.99]	Epilepsy [1.25]	Back Pain [0.67]	Neonatal [1.08]
Comoros	Neonatal [1.54]	Iron [0.67]	Conduct [0.92]	Headaches [0.61]	Anxiety [1.01]	Depression [0.99]	Dermatitis [1.16]	Back Pain [0.67]	Epilepsy [1.29]	Asthma [1.14]
Djibouti	Depression [1.14]	Conduct [0.95]	Neonatal [1.28]	Headaches [0.58]	Iron [0.7]	Anxiety [0.98]	Dermatitis [1.16]	Epilepsy [1.4]	Back Pain [0.59]	Congenital [1.06]
Eritrea	Iron [1.28]	Depression [1.15]	Neonatal [1.56]	Conduct [0.93]	Headaches [0.61]	Anxiety [1.01]	Dermatitis [1.15]	Epilepsy [1.31]	Back Pain [0.55]	Diarrhea [1.19]
Ethiopia	Conduct [1.01]	Depression [1.04]	Anxiety [1.04]	Neonatal [1.72]	Headaches [0.62]	Vit A [1.04]	Iron [0.35]	Dermatitis [1.12]	Diarrhea [1.12]	Back Pain [0.55]
Kenya	Neonatal [1.71]	Conduct [1.0]	Headaches [0.59]	Anxiety [0.99]	Depression [0.95]	Congenital [1.59]	Dermatitis [1.24]	Iron [0.49]	Back Pain [0.61]	Epilepsy [1.21]
Baringo	Neonatal [1.83]	Conduct [1.0]	Headaches [0.61]	Anxiety [0.99]	Depression [0.94]	Congenital [1.56]	Dermatitis [1.2]	Back Pain [0.63]	Diarrhea [1.34]	Epilepsy [1.06]
Bomet	Neonatal [2.08]	Conduct [1.0]	Headaches [0.6]	Anxiety [1.0]	Depression [0.94]	Congenital [1.58]	Dermatitis [1.22]	Back Pain [0.6]	Epilepsy [1.05]	HIV [81.58]
Bungoma	Neonatal [1.88]	Conduct [1.0]	Headaches [0.6]	Anxiety [0.99]	Depression [0.92]	Congenital [1.57]	Dermatitis [1.22]	Back Pain [0.6]	Iron [0.35]	Epilepsy [1.06]
Busia	Neonatal [1.82]	Iron [0.77]	Conduct [0.99]	Headaches [0.61]	Anxiety [0.99]	Depression [0.94]	Schisto [72.91]	Congenital [1.55]	Dermatitis [1.2]	Back Pain [0.61]
Elgeyo-Marakwet	Neonatal [2.03]	Conduct [1.0]	Headaches [0.59]	Anxiety [0.99]	Depression [0.95]	Congenital [1.58]	Dermatitis [1.22]	Back Pain [0.6]	Epilepsy [1.23]	Diarrhea [1.34]
Embu	Neonatal [1.9]	Conduct [1.0]	Headaches [0.59]	Anxiety [0.98]	Depression [0.96]	Congenital [1.59]	Dermatitis [1.23]	Back Pain [0.59]	Schisto [102.34]	Epilepsy [1.26]
Garissa	Iron [0.82]	Neonatal [2.54]	Conduct [1.03]	Headaches [0.64]	Anxiety [0.99]	Depression [0.9]	Congenital [1.6]	Dermatitis [1.19]	Back Pain [0.72]	Epilepsy [1.01]
HomaBay	Conduct [0.99]	HIV [130.62]	Headaches [0.62]	Anxiety [0.99]	Depression [0.99]	Iron [0.53]	Neonatal [1.04]	Congenital [1.55]	Schisto [45.19]	Dermatitis [1.2]
Isiolo	Conduct [1.01]	Neonatal [1.67]	Headaches [0.63]	Anxiety [1.0]	Depression [0.94]	Congenital [1.57]	Iron [0.37]	Dermatitis [1.19]	Back Pain [0.64]	Epilepsy [1.04]
Kajiado	Neonatal [2.08]	Conduct [1.0]	Headaches [0.59]	Anxiety [0.99]	Depression [0.96]	Congenital [1.59]	Dermatitis [1.23]	Back Pain [0.6]	Epilepsy [1.36]	Hearing [1.37]
Kakamega	Iron [0.81]	Neonatal [1.53]	Conduct [0.99]	Headaches [0.61]	Anxiety [1.0]	Depression [0.93]	Congenital [1.55]	Dermatitis [1.21]	Vit A [1.55]	Back Pain [0.61]
Kericho	Neonatal [2.21]	Conduct [1.0]	Headaches [0.59]	Anxiety [0.99]	Depression [0.95]	Congenital [1.6]	Dermatitis [1.23]	Back Pain [0.6]	Iron [0.38]	Epilepsy [1.13]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Kiambu	Neonatal [1.97]	Conduct [1.0]	Headaches [0.58]	Anxiety [0.98]	Depression [0.96]	Congenital [1.6]	Dermatitis [1.24]	Back Pain [0.57]	Epilepsy [1.44]	Hearing [1.48]
Kilifi	Neonatal [1.77]	Conduct [1.0]	Headaches [0.6]	Anxiety [0.99]	Depression [0.93]	Iron [0.54]	Congenital [1.56]	Dermatitis [1.21]	Back Pain [0.62]	Epilepsy [1.06]
Kirinyaga	Neonatal [1.95]	Conduct [0.99]	Headaches [0.59]	Anxiety [0.99]	Depression [0.96]	Congenital [1.6]	Dermatitis [1.23]	Back Pain [0.59]	Epilepsy [1.31]	Diarrhea [1.47]
Kisii	Neonatal [1.48]	Conduct [1.0]	Headaches [0.59]	Anxiety [0.99]	Depression [0.95]	Congenital [1.57]	Dermatitis [1.23]	Back Pain [0.58]	Epilepsy [1.23]	Iron [0.41]
Kisumu	Conduct [0.98]	Headaches [0.6]	Anxiety [1.0]	Iron [0.77]	Neonatal [1.03]	Depression [0.84]	Congenital [1.56]	HIV [129.8]	Back Pain [0.6]	Epilepsy [1.31]
Kitui	Neonatal [2.16]	Conduct [1.0]	Headaches [0.61]	Anxiety [1.0]	Depression [0.94]	Congenital [1.57]	Dermatitis [1.21]	Back Pain [0.62]	Epilepsy [1.11]	Diarrhea [1.27]
Kwale	Iron [0.98]	Neonatal [1.77]	Conduct [0.99]	Headaches [0.6]	Anxiety [0.99]	Depression [0.94]	Schisto [83.36]	Congenital [1.54]	Dermatitis [1.21]	Back Pain [0.62]
Laikipia	Neonatal [2.08]	Conduct [1.01]	Headaches [0.58]	Anxiety [0.97]	Depression [0.96]	Congenital [1.6]	Dermatitis [1.24]	Back Pain [0.6]	Epilepsy [1.28]	Hearing [1.44]
Lamu	Neonatal [1.52]	Conduct [1.0]	Headaches [0.61]	Anxiety [1.0]	Depression [0.95]	Congenital [1.56]	Dermatitis [1.2]	Conflict Terror [122.44]	Back Pain [0.61]	Epilepsy [1.22]
Machakos	Neonatal [1.97]	Conduct [1.0]	Headaches [0.59]	Anxiety [0.98]	Depression [0.95]	Congenital [1.58]	Dermatitis [1.22]	Back Pain [0.6]	Epilepsy [1.22]	Hearing [1.37]
Makueni	Neonatal [2.0]	Conduct [0.99]	Headaches [0.61]	Anxiety [0.99]	Depression [0.95]	Congenital [1.57]	Dermatitis [1.2]	Back Pain [0.63]	HIV [85.31]	Epilepsy [1.09]
Mandera	Conduct [1.04]	Neonatal [2.1]	Iron [0.49]	Headaches [0.66]	Anxiety [0.99]	Depression [0.93]	Congenital [1.61]	Dermatitis [1.18]	Back Pain [0.73]	Epilepsy [0.95]
Marsabit	Neonatal [2.69]	Conduct [1.02]	Headaches [0.65]	Anxiety [1.01]	Depression [0.94]	Iron [0.37]	Congenital [1.58]	Dermatitis [1.19]	Back Pain [0.68]	Epilepsy [0.97]
Meru	Neonatal [1.94]	Conduct [0.99]	Headaches [0.6]	Anxiety [0.99]	Depression [0.96]	Congenital [1.59]	Dermatitis [1.22]	Back Pain [0.6]	Epilepsy [1.21]	Diarrhea [1.38]
Migori	Conduct [1.0]	Iron [0.61]	Headaches [0.62]	Anxiety [1.0]	Depression [0.97]	HIV [84.91]	Neonatal [0.98]	Congenital [1.55]	Vit A [1.43]	Dermatitis [1.2]
Mombasa	Neonatal [1.52]	Iron [1.29]	Conduct [0.98]	Headaches [0.59]	Anxiety [0.99]	Depression [0.97]	Congenital [1.58]	Dermatitis [1.23]	Back Pain [0.57]	Epilepsy [1.39]
Murang'a	Neonatal [1.98]	Conduct [1.0]	Headaches [0.59]	Anxiety [0.98]	Depression [0.95]	Congenital [1.61]	Dermatitis [1.22]	Back Pain [0.6]	Epilepsy [1.21]	Hearing [1.38]
Nairobi	Neonatal [1.72]	Conduct [0.99]	Headaches [0.58]	Anxiety [0.9]	Depression [0.95]	Dermatitis [1.51]	Congenital [1.5]	Epilepsy [1.87]	Back Pain [0.52]	Hearing [1.69]
Nakuru	Neonatal [1.74]	Conduct [1.0]	Headaches [0.58]	Anxiety [0.98]	Depression [0.95]	Epilepsy [1.78]	Congenital [1.61]	Dermatitis [1.23]	Back Pain [0.6]	Diarrhea [1.44]
Nandi	Neonatal [2.11]	Conduct [1.0]	Headaches [0.6]	Anxiety [0.99]	Depression [0.95]	Congenital [1.58]	Dermatitis [1.22]	Back Pain [0.6]	Epilepsy [1.17]	Hearing [1.34]
Narok	Neonatal [2.64]	Conduct [1.0]	Headaches [0.63]	Anxiety [1.0]	Depression [0.94]	Congenital [1.56]	Dermatitis [1.2]	Back Pain [0.65]	Epilepsy [1.11]	Diarrhea [1.18]
Nyamira	Neonatal [1.7]	Conduct [1.0]	Headaches [0.59]	Anxiety [0.99]	Depression [0.97]	Congenital [1.59]	Dermatitis [1.24]	Epilepsy [1.51]	Back Pain [0.58]	Diarrhea [1.74]
Nyandarua	Neonatal [2.06]	Conduct [1.0]	Headaches [0.59]	Anxiety [0.98]	Depression [0.99]	Congenital [1.61]	Dermatitis [1.23]	Epilepsy [1.51]	Back Pain [0.61]	Hearing [1.39]
Nyeri	Neonatal [1.92]	Conduct [1.0]	Headaches [0.59]	Anxiety [0.98]	Depression [0.96]	Congenital [1.61]	Dermatitis [1.23]	Back Pain [0.59]	Epilepsy [1.45]	Hearing [1.42]
Samburu	Neonatal [3.13]	Conduct [1.03]	Headaches [0.66]	Anxiety [1.01]	Depression [0.93]	Iron [0.44]	Congenital [1.6]	Dermatitis [1.2]	Back Pain [0.7]	Diarrhea [1.05]
Siaya	Conduct [0.99]	Headaches [0.61]	Anxiety [1.0]	Depression [0.95]	Neonatal [1.13]	Iron [0.52]	Congenital [1.55]	Dermatitis [1.21]	Back Pain [0.62]	HIV [85.06]
TaitaTaveta	Neonatal [1.76]	Conduct [1.0]	Headaches [0.58]	Anxiety [0.98]	Depression [0.95]	Congenital [1.58]	Dermatitis [1.22]	Back Pain [0.63]	Epilepsy [1.43]	Schisto [83.81]
TanaRiver	Iron [0.77]	Neonatal [2.1]	Conduct [1.0]	Headaches [0.63]	Anxiety [1.0]	Depression [0.94]	Schisto [35.45]	Congenital [1.56]	Vit A [1.18]	Dermatitis [1.2]
TharakaNithi	Neonatal [1.48]	Conduct [0.99]	Headaches [0.59]	Anxiety [0.99]	Depression [0.97]	Congenital [1.57]	Dermatitis [1.23]	Back Pain [0.59]	Epilepsy [1.38]	Hearing [1.39]
TransNzoia	Neonatal [1.99]	Conduct [1.0]	Headaches [0.6]	Anxiety [0.99]	Depression [0.96]	Congenital [1.57]	Dermatitis [1.22]	Back Pain [0.61]	Diarrhea [1.43]	Epilepsy [1.08]
Turkana	Neonatal [2.63]	Iron [0.61]	Conduct [1.03]	Headaches [0.66]	Anxiety [1.0]	Depression [0.92]	Congenital [1.62]	Dermatitis [1.19]	Back Pain [0.72]	Vit A [0.75]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
UasinGishu	Neonatal [1.83]	Conduct [0.99]	Headaches [0.59]	Anxiety [0.99]	Dermatitis [1.8]	Depression [0.95]	Congenital [1.58]	Back Pain [0.59]	Epilepsy [1.22]	Iron [0.43]
Vihiga	Neonatal [1.77]	Conduct [0.99]	Headaches [0.61]	Anxiety [0.99]	Depression [0.95]	Iron [0.48]	Congenital [1.56]	Dermatitis [1.21]	Back Pain [0.61]	Epilepsy [1.2]
Wajir	Neonatal [2.99]	Conduct [1.06]	Headaches [0.67]	Anxiety [0.99]	Depression [0.9]	Congenital [1.66]	Dermatitis [1.19]	Iron [0.28]	Back Pain [0.76]	Vit A [0.55]
WestPokot	Neonatal [2.51]	Conduct [1.01]	Headaches [0.63]	Anxiety [1.01]	Depression [0.94]	Congenital [1.56]	Dermatitis [1.2]	Back Pain [0.65]	Iron [0.3]	Diarrhea [1.17]
Madagascar	Iron [0.91]	Congenital [2.74]	Depression [1.13]	Conduct [0.93]	Headaches [0.64]	Anxiety [1.03]	Neonatal [1.43]	Epilepsy [1.3]	Hearing [1.78]	Dermatitis [1.16]
Malawi	Iron [1.3]	Conduct [0.93]	Headaches [0.64]	Anxiety [1.03]	Depression [0.99]	HIV [70.75]	Neonatal [1.22]	Vit A [0.98]	Dermatitis [1.16]	Back Pain [0.7]
Mozambique	Iron [0.91]	Depression [1.14]	Conduct [0.93]	Anxiety [1.03]	Headaches [0.64]	Vit A [1.25]	HIV [59.94]	Epilepsy [1.47]	Neonatal [1.18]	Back Pain [0.65]
Rwanda	Depression [1.24]	Iron [0.6]	Conduct [0.93]	Headaches [0.62]	Anxiety [1.03]	Neonatal [1.3]	Asthma [1.39]	Epilepsy [1.28]	Back Pain [0.63]	Congenital [1.05]
Somalia	Iron [1.03]	Depression [1.11]	Conduct [0.96]	Headaches [0.68]	Anxiety [1.03]	Neonatal [1.75]	Dermatitis [1.17]	Vit A [0.65]	Epilepsy [1.11]	Back Pain [0.7]
S Sudan	Iron [0.9]	Oncho [79.0]	Depression [1.1]	Conduct [0.96]	Headaches [0.65]	Anxiety [1.02]	Neonatal [1.45]	Vit A [0.76]	Dermatitis [1.16]	Diarrhea [1.26]
Tanzania	Iron [1.34]	Depression [1.14]	Conduct [0.92]	Anxiety [1.02]	Neonatal [1.21]	Headaches [0.5]	Asthma [1.34]	Epilepsy [1.24]	Dermatitis [0.99]	Back Pain [0.56]
Uganda	Iron [1.11]	Depression [1.59]	Conduct [0.93]	Headaches [0.61]	Anxiety [0.98]	Neonatal [1.22]	Epilepsy [1.47]	Dermatitis [1.16]	Vit A [1.1]	Back Pain [0.66]
Zambia	Headaches [0.77]	Conduct [0.92]	Iron [0.69]	Depression [1.04]	Anxiety [1.01]	Neonatal [0.95]	Epilepsy [1.6]	Dermatitis [1.17]	HIV [92.44]	Vit A [1.41]
Southern Sub-Saharan Africa	Headaches [0.75]	Conduct [0.99]	Anxiety [0.95]	Depression [0.98]	Neonatal [0.91]	HIV [297.35]	Dermatitis [1.31]	Iron [0.95]	Back Pain [0.53]	Congenital [1.23]
Botswana	Iron [2.73]	Headaches [0.74]	Neonatal [1.23]	Conduct [0.95]	Depression [1.07]	Anxiety [0.89]	Dermatitis [1.32]	Back Pain [0.58]	Diarrhea [1.95]	Asthma [0.79]
Lesotho	Depression [1.76]	Headaches [0.79]	Conduct [0.93]	Iron [0.77]	Anxiety [0.99]	HIV [171.15]	Dermatitis [1.38]	Neonatal [0.81]	Back Pain [0.63]	Diarrhea [1.55]
Namibia	Headaches [0.75]	Conduct [0.94]	Iron [1.32]	Anxiety [0.94]	Neonatal [1.0]	Depression [0.93]	Dermatitis [1.38]	Back Pain [0.62]	HIV [210.06]	Diarrhea [2.06]
S Africa	Headaches [0.75]	Conduct [1.02]	Anxiety [0.97]	Depression [1.0]	Neonatal [0.92]	HIV [396.28]	Dermatitis [1.27]	Congenital [1.48]	Back Pain [0.49]	Hearing [1.79]
Swaziland	Headaches [0.76]	Depression [1.14]	Conduct [0.94]	Anxiety [0.97]	HIV [246.08]	Iron [0.83]	Dermatitis [1.4]	Neonatal [0.76]	Back Pain [0.58]	Diarrhea [2.04]
Zimbabwe	Headaches [0.8]	Iron [0.73]	Conduct [0.93]	Anxiety [0.9]	Neonatal [1.05]	Dermatitis [1.38]	Depression [0.76]	Back Pain [0.67]	HIV [80.62]	Diarrhea [1.37]
Western Sub-Saharan Africa	Iron [1.53]	Headaches [1.02]	Conduct [0.93]	Back Pain [1.12]	Depression [0.93]	Anxiety [0.9]	Vit A [1.61]	Congenital [1.16]	Epilepsy [1.09]	Neonatal [0.66]
Benin	Iron [1.34]	Headaches [1.0]	Conduct [0.93]	Back Pain [1.11]	Anxiety [0.91]	Depression [0.86]	Vit A [1.42]	Neonatal [1.14]	Malaria [4.47]	Epilepsy [1.17]
Burkina Faso	Iron [1.22]	Headaches [1.1]	Conduct [0.96]	Vit A [1.19]	Anxiety [0.93]	Depression [0.86]	Back Pain [1.0]	Malaria [1.36]	Diarrhea [1.13]	Hemog [1.6]
Cameroon	Headaches [0.97]	Iron [0.8]	Conduct [0.94]	Back Pain [1.04]	Anxiety [0.9]	Depression [0.9]	Oncho [182.57]	Vit A [1.91]	Epilepsy [1.33]	Diarrhea [1.56]
Cape Verde	Headaches [0.97]	Neonatal [1.39]	Iron [1.18]	Conduct [0.93]	Back Pain [0.96]	Depression [1.0]	Anxiety [0.9]	Epilepsy [1.31]	Diarrhea [1.72]	Dermatitis [0.95]
Chad	Iron [1.44]	Headaches [1.12]	Back Pain [1.38]	Conduct [0.96]	Depression [0.97]	Anxiety [0.94]	Vit A [0.79]	Diarrhea [1.23]	Dermatitis [0.94]	Epilepsy [0.94]
Cote d'Ivoire	Iron [1.13]	Headaches [1.01]	Conduct [0.95]	Back Pain [0.96]	Anxiety [0.9]	Depression [0.77]	Vit A [1.25]	Epilepsy [1.2]	Neonatal [0.81]	Dermatitis [0.93]
Gambia	Iron [1.86]	Headaches [1.02]	Vit A [2.15]	Depression [1.13]	Neonatal [1.59]	Conduct [0.92]	Back Pain [1.04]	Anxiety [0.91]	Diarrhea [1.37]	Dermatitis [0.93]
Ghana	Iron [2.26]	Headaches [0.96]	Conduct [0.93]	Anxiety [0.89]	Neonatal [0.94]	Depression [0.87]	Back Pain [0.83]	Vit A [3.41]	Epilepsy [1.38]	Diarrhea [1.55]
Guinea	Iron [0.93]	Headaches [1.08]	Conduct [0.95]	Back Pain [1.11]	Anxiety [0.93]	Depression [0.86]	Vit A [0.88]	Malaria [1.61]	Neonatal [0.95]	Dermatitis [0.94]
Guinea-Bissau	Iron [1.29]	Headaches [1.06]	Conduct [0.94]	Back Pain [1.09]	Anxiety [0.92]	Depression [0.87]	Vit A [1.13]	Neonatal [1.15]	LF [8.03]	Epilepsy [1.14]

eFigure 9e. Leading ten causes of YLDs with the ratio of observed YLDs to YLDs expected on the basis of Socio-Demographic Index alone in 2017, 10-19 years, both sexes combined. The top ten causes contributing to YLDs are listed globally, by socio-demographic quintile, and then by GBD superregion, region, country, and subnationally where modeled. For each cell, the ratio of observed YLDs to YLDs expected on the basis of socio-demographic index (SDI) alone are listed. Abbreviations: YLD=year of life lived with disability, GBD=Global Burden of Disease.

Values shown in brackets represent the ratio of observed YLDs to predicted YLDs on the basis of Socio-Demographic Index (SDI), rounded to two (2) digits. Color ranges (shown below) were calculated to place a roughly equal number of cells into each bin.

COLOR KEY:		[0.0-0.77]	(0.77-0.91]	(0.91-0.97]	(0.97-1.02]	(1.02-1.1]	(1.1-1.25]	(1.25-1.48]	(1.48-1.87]	1.87+
	1	2	3	4	5	6	7	8	9	10
Liberia	**Oncho** [194.57]	**Iron** [0.93]	**Headaches** [1.06]	**Conduct** [0.94]	**Back Pain** [1.09]	**Depression** [0.95]	**Anxiety** [0.92]	**LF** [7.85]	**Neonatal** [1.21]	**Epilepsy** [1.33]
Mali	**Iron** [1.62]	**Headaches** [1.12]	**Vit A** [1.36]	**Conduct** [0.95]	**Anxiety** [0.94]	**Back Pain** [0.94]	**Depression** [0.69]	**LF** [4.91]	**Malaria** [0.97]	**Diarrhea** [1.1]
Mauritania	**Iron** [1.19]	**Headaches** [0.98]	**Conduct** [0.93]	**Neonatal** [1.22]	**Back Pain** [0.96]	**Anxiety** [0.91]	**Depression** [0.74]	**Epilepsy** [1.25]	**Diarrhea** [1.55]	**Dermatitis** [0.95]
Niger	**Iron** [0.94]	**Headaches** [1.17]	**Conduct** [0.97]	**Back Pain** [1.24]	**Anxiety** [0.95]	**Depression** [0.83]	**Vit A** [0.74]	**Diarrhea** [0.97]	**Malaria** [0.77]	**Dermatitis** [0.95]
Nigeria	**Iron** [1.99]	**Headaches** [1.01]	**Back Pain** [1.24]	**Conduct** [0.92]	**Depression** [1.03]	**Anxiety** [0.9]	**Congenital** [1.41]	**Vit A** [1.96]	**Hemog** [3.02]	**Hearing** [1.54]
Sao Tome Principe	**Headaches** [0.97]	**Iron** [0.91]	**Conduct** [0.94]	**Neonatal** [1.23]	**Back Pain** [0.92]	**Anxiety** [0.9]	**Depression** [0.85]	**Epilepsy** [1.27]	**Vit A** [1.73]	**Dermatitis** [0.95]
Senegal	**Iron** [1.62]	**Headaches** [1.04]	**Conduct** [0.95]	**Neonatal** [1.5]	**Anxiety** [0.91]	**Back Pain** [0.88]	**Depression** [0.78]	**Vit A** [1.14]	**Diarrhea** [1.4]	**Epilepsy** [1.09]
Sierra Leone	**Iron** [0.97]	**Headaches** [1.07]	**Conduct** [0.93]	**Back Pain** [1.1]	**Anxiety** [0.92]	**Depression** [0.89]	**Malaria** [3.31]	**Vit A** [1.01]	**Oncho** [40.94]	**Epilepsy** [1.14]
Togo	**Iron** [1.04]	**Headaches** [1.0]	**Conduct** [0.94]	**Back Pain** [1.04]	**Anxiety** [0.9]	**Depression** [0.87]	**Malaria** [11.94]	**Vit A** [1.62]	**Neonatal** [1.07]	**Epilepsy** [1.21]

eFigure 10: Percent Change in Maternal Mortality Rate vs. Percent Change All−cause Child DALYs Rate, 1990 to 2017

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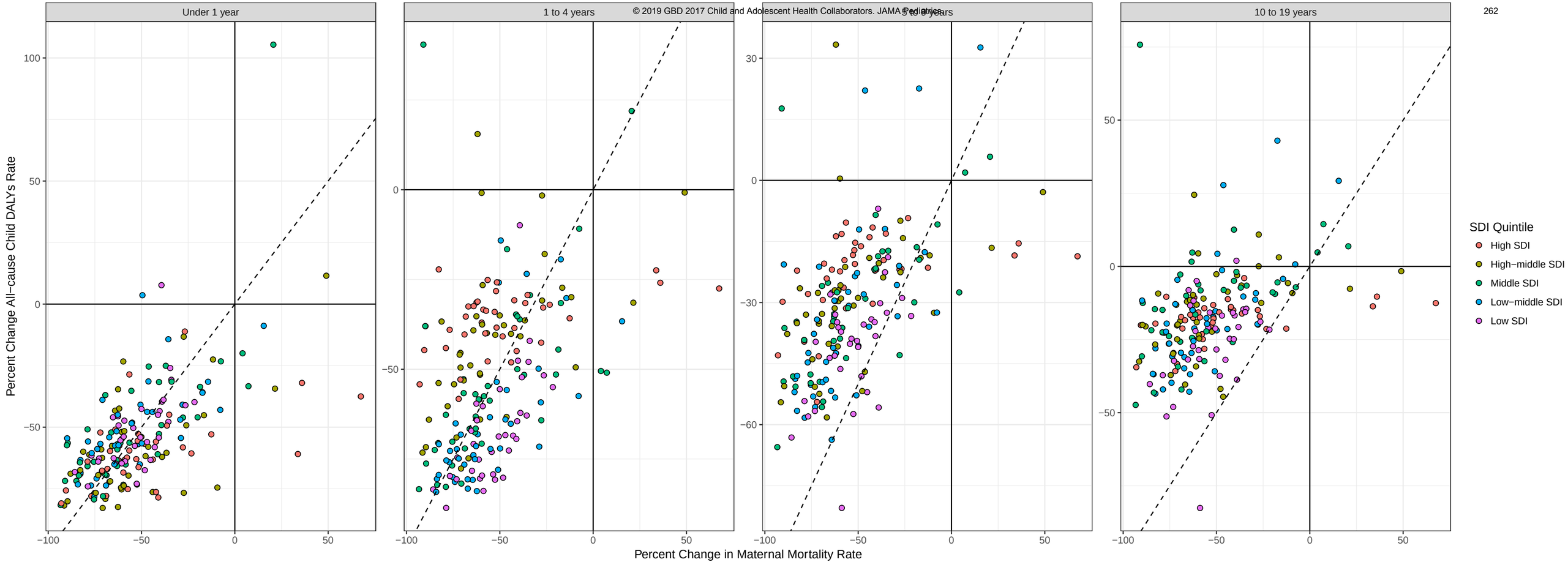

The percent change in maternal mortality rate (MMR) is plotted against the percent change in all−cause child disability−adjusted life year (DALY) rate by country. Panel a) displays the scatter plot of percent change in MMR from 1990 to 2017 against childhood all−cause DALY rate from 1990 to 2017; panel b) displays the scatter plot of percent change in MMR from 1990 to 2017 against childhood all−cause DALY rate from 1990 to 2000; and panel c) displays the scatter plot of percent change in MMR from 1990 to 2017 against childhood all−cause DALY rate from 2000 to 2017. Within each panel, patterns for all children and adolescents less than 20 are in the left sub−panel, under 1 in the second sub−panel, 1 to 4 in the third sub−panel, 5 to 9 in the fourth sub−panel and 10 to 19 in the right sub−panel. In each, every country is colored by its socio−demographic index (SDI) quintile.

eFigure 10: Percent Change in Maternal Mortality Rate vs. Percent Change All−cause Child DALYs Rate, 1990 to 2000

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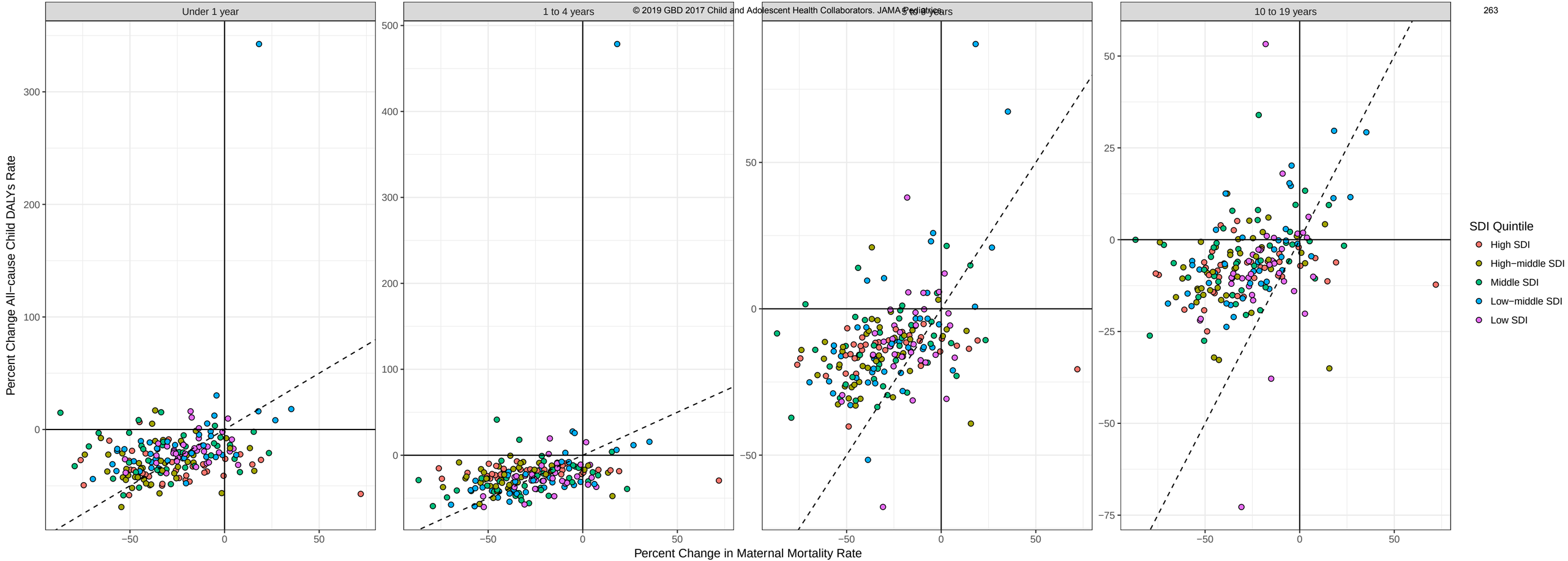

The percent change in maternal mortality rate (MMR) is plotted against the percent change in all−cause child disability−adjusted life year (DALY) rate by country. Panel a) displays the scatter plot of percent change in MMR from 1990 to 2017 against childhood all−cause DALY rate from 1990 to 2017; panel b) displays the scatter plot of percent change in MMR from 1990 to 2017 against childhood all−cause DALY rate from 1990 to 2000; and panel c) displays the scatter plot of percent change in MMR from 1990 to 2017 against childhood all−cause DALY rate from 2000 to 2017. Within each panel, patterns for all children and adolescents less than 20 are in the left sub−panel, under 1 in the second sub−panel, 1 to 4 in the third sub−panel, 5 to 9 in the fourth sub−panel and 10 to 19 in the right sub−panel. In each, every country is colored by its socio−demographic index (SDI) quintile.

eFigure 10: Percent Change in Maternal Mortality Rate vs. Percent Change All−cause Child DALYs Rate, 2000 to 2017

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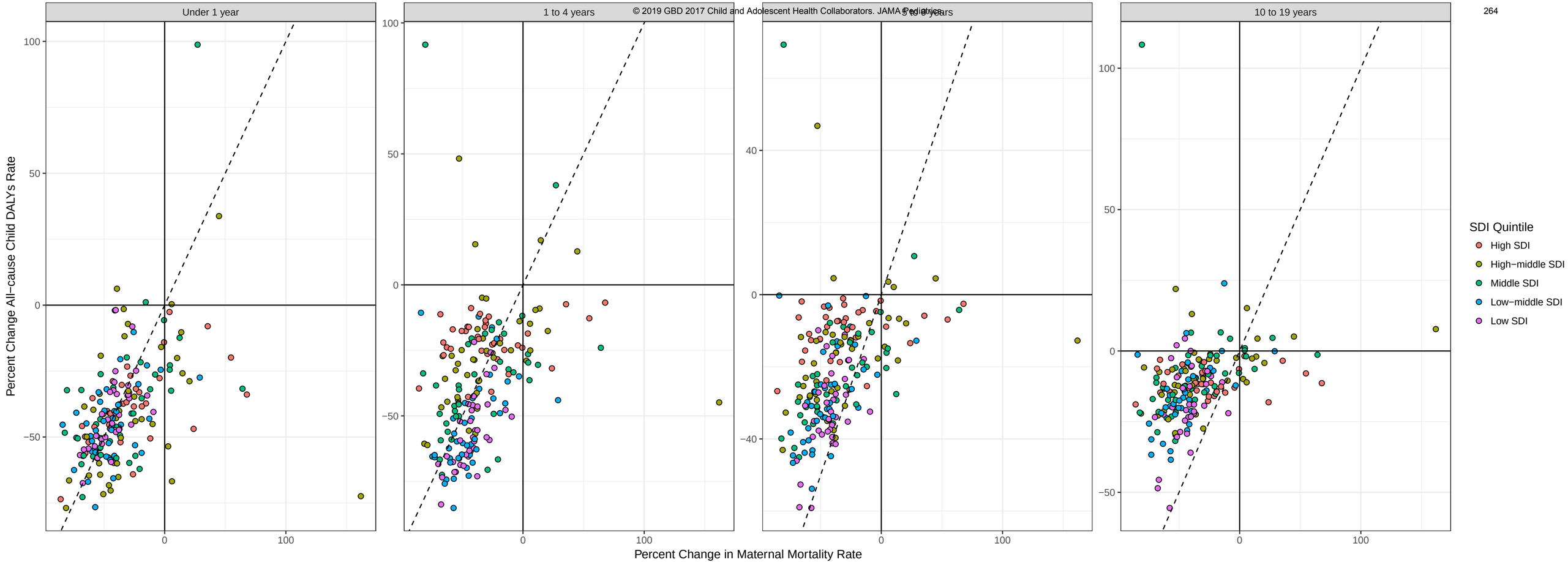

The percent change in maternal mortality rate (MMR) is plotted against the percent change in all−cause child disability−adjusted life year (DALY) rate by country. Panel a) displays the scatter plot of percent change in MMR from 1990 to 2017 against childhood all−cause DALY rate from 1990 to 2017; panel b) displays the scatter plot of percent change in MMR from 1990 to 2017 against childhood all−cause DALY rate from 1990 to 2000; and panel c) displays the scatter plot of percent change in MMR from 1990 to 2017 against childhood all−cause DALY rate from 2000 to 2017. Within each panel, patterns for all children and adolescents less than 20 are in the left sub−panel, under 1 in the second sub−panel, 1 to 4 in the third sub−panel, 5 to 9 in the fourth sub−panel and 10 to 19 in the right sub−panel. In each, every country is colored by its socio−demographic index (SDI) quintile.

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eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Global	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.64	0.64	0.65	0.65
Central Europe, Eastern Europe, and Central Asia	0.66	0.66	0.67	0.67	0.68	0.68	0.69	0.69	0.69	0.69	0.7	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.77
Central Asia	0.56	0.57	0.57	0.57	0.58	0.58	0.58	0.58	0.58	0.58	0.59	0.59	0.59	0.6	0.6	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.65	0.65	0.66	0.66	0.67	0.67
Armenia	0.56	0.56	0.56	0.56	0.57	0.57	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.67	0.68	0.68	0.69	0.69	0.7	0.7	0.7
Azerbaijan	0.61	0.61	0.62	0.62	0.62	0.61	0.61	0.61	0.6	0.6	0.6	0.6	0.6	0.61	0.61	0.62	0.63	0.64	0.65	0.65	0.66	0.67	0.68	0.68	0.69	0.69	0.7	0.7
Georgia	0.65	0.66	0.66	0.66	0.65	0.65	0.64	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.63	0.63	0.64	0.64	0.65	0.65	0.66	0.67	0.67	0.68	0.68	0.69	0.7	0.7
Kazakhstan	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.65	0.65	0.65	0.65	0.66	0.66	0.67	0.67	0.68	0.68	0.69	0.7	0.7	0.71	0.71	0.71	0.71	0.72	0.72	0.73	0.74
Kyrgyzstan	0.57	0.57	0.58	0.58	0.58	0.57	0.57	0.57	0.56	0.56	0.56	0.56	0.56	0.56	0.57	0.57	0.57	0.57	0.57	0.58	0.58	0.58	0.58	0.59	0.59	0.6	0.6	0.61
Mongolia	0.54	0.55	0.55	0.56	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.65	0.65	0.65	0.66	0.66
Tajikistan	0.47	0.48	0.49	0.49	0.49	0.48	0.47	0.47	0.46	0.46	0.46	0.45	0.46	0.46	0.47	0.47	0.47	0.48	0.48	0.49	0.49	0.5	0.51	0.51	0.51	0.52	0.52	0.52
Turkmenistan	0.59	0.59	0.59	0.6	0.6	0.6	0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.63	0.64	0.64	0.64	0.64	0.65	0.65	0.66	0.66	0.67	0.68	0.69	0.69	0.7
Uzbekistan	0.48	0.48	0.49	0.49	0.5	0.5	0.51	0.51	0.52	0.53	0.53	0.54	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.62	0.62	0.63
Central Europe	0.67	0.67	0.68	0.68	0.69	0.7	0.71	0.71	0.72	0.72	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81
Albania	0.55	0.55	0.54	0.54	0.54	0.55	0.55	0.56	0.57	0.58	0.58	0.59	0.6	0.61	0.62	0.63	0.64	0.64	0.65	0.65	0.66	0.66	0.67	0.67	0.67	0.68	0.68	0.69
Bosnia and Herzegovina	0.5	0.5	0.5	0.5	0.5	0.51	0.53	0.55	0.57	0.59	0.61	0.62	0.63	0.64	0.65	0.65	0.66	0.67	0.67	0.68	0.69	0.69	0.69	0.7	0.7	0.71	0.71	0.71
Bulgaria	0.66	0.67	0.68	0.68	0.69	0.7	0.71	0.71	0.7	0.7	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79
Croatia	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83
Czech Republic	0.71	0.72	0.73	0.74	0.76	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85
Hungary	0.68	0.68	0.69	0.7	0.71	0.72	0.72	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.81	0.82
Macedonia	0.63	0.63	0.63	0.63	0.63	0.64	0.64	0.65	0.65	0.66	0.67	0.67	0.68	0.69	0.69	0.7	0.7	0.71	0.72	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.75
Montenegro	0.71	0.71	0.71	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79
Poland	0.66	0.67	0.68	0.69	0.7	0.71	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84
Romania	0.65	0.66	0.66	0.67	0.67	0.68	0.68	0.69	0.69	0.69	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78
Serbia	0.63	0.64	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.66	0.66	0.67	0.67	0.68	0.68	0.69	0.7	0.71	0.71	0.71	0.72	0.72	0.73	0.74	0.74	0.75	0.75	0.75
Slovakia	0.68	0.69	0.7	0.71	0.72	0.73	0.74	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84
Slovenia	0.74	0.75	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86
Eastern Europe	0.68	0.69	0.69	0.7	0.7	0.7	0.71	0.71	0.71	0.71	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79
Belarus	0.63	0.63	0.64	0.64	0.65	0.65	0.65	0.65	0.66	0.66	0.67	0.67	0.68	0.68	0.69	0.7	0.7	0.71	0.72	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77
Estonia	0.71	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.81	0.81	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86
Latvia	0.7	0.7	0.71	0.72	0.73	0.73	0.73	0.73	0.74	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83
Lithuania	0.71	0.71	0.72	0.73	0.73	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84
Moldova	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.57	0.57	0.58	0.58	0.59	0.6	0.6	0.61	0.62	0.62	0.63	0.64	0.65	0.65	0.66	0.67	0.67	0.68
Russian Federation	0.68	0.69	0.7	0.71	0.71	0.71	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.79
Ukraine	0.66	0.67	0.67	0.67	0.68	0.68	0.68	0.68	0.67	0.67	0.67	0.67	0.68	0.68	0.69	0.69	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.73	0.74	0.74	0.74	0.74
High-income	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85
Australasia	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87
Australia	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87

eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
New Zealand	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84
High-income Asia-Pacific	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87	0.87
Brunei	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.86
Japan	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.86	0.86	0.87
Aichi	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.88
Akita	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83
Aomori	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83
Chiba	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86
Ehime	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84
Fukui	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85
Fukuoka	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.86
Fukushima	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83
Gifu	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85
Gunma	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85
Hiroshima	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.86
Hokkaidō	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84
Hyōgo	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86
Ibaraki	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85
Ishikawa	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.86
Iwate	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83
Kagawa	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85
Kagoshima	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83
Kanagawa	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.88
Kōchi	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83
Kumamoto	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83
Kyōto	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.87
Mie	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85
Miyagi	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85
Miyazaki	0.76	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82
Nagano	0.79	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85
Nagasaki	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83
Nara	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85
Niigata	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84
Ōita	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.85
Okayama	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.86
Okinawa	0.75	0.76	0.76	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.82
Ōsaka	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.87
Saga	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83

eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Saitama	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85
Shiga	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.87
Shimane	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83
Shizuoka	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86
Tochigi	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85
Tokushima	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.85
Tōkyō	0.87	0.88	0.88	0.88	0.89	0.89	0.9	0.9	0.9	0.9	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Tottori	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83
Toyama	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86
Wakayama	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84
Yamagata	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83
Yamaguchi	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85
Yamanashi	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85
South Korea	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.78	0.78	0.79	0.8	0.81	0.81	0.82	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87
Singapore	0.74	0.74	0.75	0.76	0.77	0.77	0.78	0.79	0.79	0.79	0.8	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87
High-income North America	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87
Canada	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.88	0.88
Greenland	0.67	0.67	0.67	0.67	0.67	0.68	0.68	0.68	0.69	0.69	0.7	0.7	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.76
USA	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87
Alabama	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.8	0.8	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84
Alaska	0.76	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86
Arizona	0.75	0.75	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85
Arkansas	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.77	0.78	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83
California	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87
Colorado	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.88
Connecticut	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.89	0.89	0.89	0.9	0.9	0.9	0.9	0.91	0.91	0.91
Delaware	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.87
Washington, DC	0.8	0.8	0.81	0.81	0.82	0.83	0.83	0.84	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.89	0.89	0.89
Florida	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.86
Georgia	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.8	0.81	0.82	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.85
Hawaii	0.78	0.78	0.79	0.79	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87
Idaho	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84
Illinois	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88
Indiana	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85
Iowa	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87
Kansas	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.86
Kentucky	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83
Louisiana	0.74	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.8	0.8	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84

eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Maine	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87
Maryland	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.88	0.88	0.89	0.89	0.89	0.89	0.9	0.9
Massachusetts	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.89	0.89	0.9	0.9	0.9	0.9	0.91	0.91	0.91	0.91	0.91	0.91
Michigan	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87
Minnesota	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.89
Mississippi	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.77	0.76	0.76	0.76	0.77	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82
Missouri	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.85
Montana	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.86
Nebraska	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.87
Nevada	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85
New Hampshire	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.89	0.89	0.89	0.89	0.9	0.9	0.9	0.9	0.9
New Jersey	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.88	0.88	0.89	0.89	0.89	0.89	0.9	0.9	0.9	0.9
New Mexico	0.73	0.74	0.74	0.74	0.75	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.79	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84
New York	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.89	0.89
North Carolina	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85
North Dakota	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.83	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.87	0.88	0.88	0.88
Ohio	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86
Oklahoma	0.75	0.75	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.78	0.79	0.79	0.8	0.81	0.81	0.82	0.82	0.83	0.84	0.84	0.84
Oregon	0.79	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87	0.87
Pennsylvania	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88
Rhode Island	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87	0.88	0.88	0.88	0.88	0.89	0.89	0.89	0.89
South Carolina	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.8	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.85	0.85
South Dakota	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.81	0.81	0.81	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86
Tennessee	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.8	0.8	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84
Texas	0.74	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.8	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84
Utah	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86
Vermont	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.89	0.9	0.9
Virginia	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.89	0.89
Washington	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88
West Virginia	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83
Wisconsin	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.87	0.88	0.88
Wyoming	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87
Southern Latin America	0.59	0.6	0.61	0.61	0.62	0.63	0.63	0.64	0.64	0.65	0.65	0.66	0.66	0.66	0.67	0.67	0.68	0.68	0.68	0.69	0.69	0.7	0.7	0.7	0.71	0.71	0.72	0.72
Argentina	0.59	0.6	0.6	0.61	0.62	0.62	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.66	0.67	0.67	0.67	0.68	0.68	0.68	0.69	0.69	0.69	0.7	0.7	0.71	0.71
Chile	0.6	0.61	0.62	0.62	0.63	0.63	0.64	0.65	0.65	0.66	0.67	0.67	0.68	0.69	0.69	0.7	0.7	0.7	0.7	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.75	0.75
Uruguay	0.59	0.6	0.6	0.6	0.61	0.61	0.61	0.62	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.66	0.66	0.66	0.66	0.67	0.67	0.68	0.68	0.69	0.69	0.7	0.7	0.71
Western Europe	0.76	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.86
Andorra	0.85	0.85	0.86	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.89	0.89	0.89	0.89	0.89	0.89	0.9	0.9	0.9	0.9	0.9	0.9

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eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Austria	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87
Belgium	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87	0.88	0.88	0.88	0.88	0.89	0.89
Cyprus	0.72	0.73	0.74	0.75	0.76	0.77	0.77	0.78	0.78	0.79	0.8	0.8	0.81	0.82	0.82	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.86	0.86	0.87
Denmark	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.9	0.9	0.9	0.9	0.9	0.9	0.91	0.91	0.91	0.91	0.92	0.92	0.92
Finland	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.89	0.89	0.89	0.89
France	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.87
Germany	0.79	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87	0.87
Greece	0.72	0.72	0.73	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Iceland	0.81	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.9	0.9	0.9	0.91	0.91
Ireland	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.88	0.88
Israel	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82
Italy	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84
Luxembourg	0.85	0.85	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.88	0.89	0.89	0.89	0.89	0.9	0.9	0.9	0.9	0.91	0.91	0.91	0.91	0.92	0.92
Malta	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.84
Netherlands	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.89	0.9	0.9	0.9	0.9	0.91	0.91	0.91	0.91
Norway	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.89	0.89	0.89	0.9	0.9	0.9	0.91	0.91	0.91	0.91
Portugal	0.64	0.65	0.66	0.67	0.68	0.68	0.69	0.69	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78
Spain	0.72	0.72	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.83
Sweden	0.78	0.79	0.8	0.8	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88
Stockholm	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.89	0.9	0.9	0.9	0.9	0.91	0.91	0.91	0.91	0.91
Sweden except Stockholm	0.77	0.78	0.79	0.79	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87
Switzerland	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.88	0.89	0.89	0.89
United Kingdom	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84
England	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.85
East Midlands	0.71	0.72	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83
Derby	0.72	0.72	0.73	0.74	0.75	0.75	0.75	0.76	0.76	0.77	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.85
Derbyshire	0.7	0.7	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82
Leicester	0.71	0.72	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84
Leicestershire	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84	0.85
Lincolnshire	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81
Northamptonshire	0.71	0.72	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83
Nottingham	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.86	0.86
Nottinghamshire	0.7	0.7	0.71	0.72	0.72	0.73	0.73	0.73	0.74	0.75	0.75	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81
Rutland	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83
East of England	0.72	0.73	0.74	0.74	0.75	0.76	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84
Bedford	0.73	0.74	0.74	0.75	0.76	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84
Cambridgeshire	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87

eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Central Bedfordshire	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83
Essex	0.71	0.72	0.73	0.73	0.74	0.75	0.75	0.75	0.76	0.76	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83
Hertfordshire	0.75	0.76	0.76	0.77	0.78	0.78	0.78	0.79	0.8	0.8	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87
Luton	0.71	0.72	0.72	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.83	0.83	0.83	0.83	0.83
Norfolk	0.71	0.72	0.72	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83
Peterborough	0.71	0.72	0.72	0.73	0.74	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.79	0.8	0.8	0.81	0.81	0.82	0.82
Southend-on-Sea	0.7	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81
Suffolk	0.71	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82
Thurrock	0.71	0.72	0.72	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81
Greater London	0.78	0.79	0.79	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87	0.88	0.88	0.89	0.89	0.89	0.89	0.89
Barking and Dagenham	0.7	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.8
Barnet	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.86	0.87
Bexley	0.72	0.73	0.73	0.74	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.82	0.82	0.82	0.82	0.83
Brent	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.85
Bromley	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85
Camden	0.84	0.84	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.88	0.89	0.89	0.89	0.9	0.9	0.9	0.9	0.91	0.91	0.91	0.91	0.92	0.92	0.92	0.93	0.93	0.93	0.93
Croydon	0.74	0.75	0.75	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83
Ealing	0.76	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87
Enfield	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84
Greenwich	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83
Hackney	0.77	0.77	0.78	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.87	0.88	0.88	0.88	0.89	0.89
Hammersmith and Fulham	0.83	0.83	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.9	0.9	0.9	0.9	0.91	0.91	0.91	0.92	0.92	0.92	0.92	0.93	0.93
Haringey	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.85	0.85
Harrow	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85
Havering	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82
Hillingdon	0.78	0.79	0.79	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.86	0.86	0.87	0.87	0.88	0.88	0.88	0.88
Hounslow	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.86	0.87	0.87	0.88	0.88	0.88
Islington	0.81	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.9	0.9	0.9	0.91	0.91	0.91	0.92	0.92	0.92	0.92
Kensington and Chelsea	0.84	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.89	0.89	0.9	0.9	0.9	0.91	0.91	0.91	0.91	0.92	0.92	0.92	0.92	0.93	0.93	0.93	0.93	0.93
Kingston upon Thames	0.79	0.79	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.89	0.89
Lambeth	0.78	0.78	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.88	0.88	0.89	0.89	0.9	0.9	0.9	0.9
Lewisham	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84
Merton	0.76	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.87
Newham	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.81	0.82	0.82	0.83	0.83	0.84	0.84
Redbridge	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83

eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Richmond upon Thames	0.79	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.89	0.89	0.9	0.9	0.9	0.9
Southwark	0.79	0.8	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.9	0.9	0.91	0.91	0.91	0.91
Sutton	0.74	0.74	0.75	0.75	0.76	0.77	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84
Tower Hamlets	0.77	0.77	0.78	0.79	0.8	0.8	0.81	0.81	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.87	0.87	0.88	0.88	0.89	0.89	0.9	0.9	0.9	0.9	0.91
Waltham Forest	0.71	0.72	0.72	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.8	0.81	0.81	0.81	0.82	0.82
Wandsworth	0.79	0.8	0.81	0.81	0.82	0.83	0.83	0.84	0.84	0.85	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.89	0.9	0.9	0.91	0.91	0.91	0.91
Westminster	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.87	0.87	0.88	0.88	0.89	0.89	0.89	0.9	0.9	0.9	0.9	0.91	0.91	0.91	0.91	0.92	0.92	0.92	0.92	0.93	0.93
North East England	0.7	0.7	0.71	0.72	0.73	0.73	0.73	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82
County Durham	0.69	0.7	0.7	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81
Darlington	0.7	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83
Gateshead	0.7	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83
Hartlepool	0.68	0.68	0.69	0.7	0.7	0.71	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.79	0.79
Middlesbrough	0.69	0.7	0.7	0.71	0.72	0.72	0.72	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81
Newcastle upon Tyne	0.74	0.74	0.75	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.81	0.81	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.87
North Tyneside	0.7	0.7	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83
Northumberland	0.7	0.7	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81
Redcar and Cleveland	0.67	0.68	0.68	0.69	0.7	0.7	0.7	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.74	0.74	0.75	0.75	0.75	0.75	0.76	0.76	0.77	0.78	0.78	0.78	0.79	0.79
South Tyneside	0.66	0.67	0.68	0.69	0.69	0.7	0.7	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.79	0.79
Stockton-on-Tees	0.71	0.71	0.72	0.73	0.74	0.74	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.81	0.82	0.82	0.82	0.82
Sunderland	0.69	0.7	0.7	0.71	0.72	0.73	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82
North West England	0.72	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83
Blackburn with Darwen	0.69	0.7	0.7	0.71	0.71	0.72	0.72	0.72	0.73	0.73	0.74	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.8
Blackpool	0.68	0.69	0.69	0.7	0.7	0.71	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.74	0.74	0.75	0.75	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78
Bolton	0.7	0.71	0.71	0.72	0.73	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.81
Bury	0.7	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82
Cheshire East	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.86
Cheshire West and Chester	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.85	0.86
Cumbria	0.72	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.81	0.82	0.82	0.82	0.83	0.83
Halton	0.7	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.82	0.82	0.82	0.82
Knowsley	0.69	0.7	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.81	0.81	0.81	0.82
Lancashire	0.72	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83
Liverpool	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.85
Manchester	0.75	0.75	0.76	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.88	0.88	0.88	0.89
Oldham	0.69	0.69	0.7	0.7	0.71	0.71	0.71	0.72	0.72	0.72	0.73	0.73	0.74	0.74	0.74	0.74	0.75	0.75	0.75	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.79
Rochdale	0.69	0.69	0.7	0.71	0.71	0.72	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.8
Salford	0.71	0.71	0.72	0.73	0.74	0.74	0.74	0.75	0.75	0.76	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.83	0.83	0.83	0.84	0.84

eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Sefton	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81
St Helens	0.68	0.69	0.7	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.8	0.8
Stockport	0.73	0.73	0.74	0.75	0.76	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84
Tameside	0.69	0.7	0.7	0.71	0.72	0.72	0.72	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.79	0.79	0.79	0.8	0.8
Trafford	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.87
Warrington	0.74	0.75	0.75	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86
Wigan	0.69	0.7	0.7	0.71	0.72	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.79	0.79	0.79	0.8	0.8
Wirral	0.7	0.7	0.71	0.71	0.72	0.73	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.8
South East England	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86
Bracknell Forest	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.87	0.87	0.87
Brighton and Hove	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.89
Buckinghamshire	0.76	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.86	0.87
East Sussex	0.71	0.72	0.72	0.73	0.74	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81
Hampshire	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.85
Isle of Wight	0.7	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.8	0.81	0.81	0.81	0.81
Kent	0.72	0.73	0.73	0.74	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83
Medway	0.7	0.71	0.72	0.72	0.73	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81
Milton Keynes	0.75	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.85	0.85	0.86	0.86	0.86
Oxfordshire	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.88	0.88	0.88
Portsmouth	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86
Reading	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.88	0.88	0.89	0.89	0.89	0.89	0.9
Slough	0.76	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.85	0.85	0.86	0.86	0.86
Southampton	0.75	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86
Surrey	0.77	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87	0.88	0.88	0.88	0.88
West Berkshire	0.77	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.87
West Sussex	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84
Windsor and Maidenhead	0.78	0.78	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.89	0.89	0.89
Wokingham	0.78	0.78	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.89
South West England	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.84
Bath and North East Somerset	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.88
Bournemouth	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86
Bristol, City of	0.76	0.77	0.78	0.78	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.88	0.88	0.88	0.88
Cornwall	0.7	0.71	0.71	0.72	0.73	0.73	0.73	0.74	0.74	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.81	0.81	0.81	0.82	0.82
Devon	0.72	0.73	0.73	0.74	0.75	0.75	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84
Dorset	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83
Gloucestershire	0.74	0.74	0.75	0.75	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.85
North Somerset	0.71	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83

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eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Plymouth	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.83	0.83	0.83	0.83	0.84
Poole	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.83	0.84	0.84	0.84	0.84
Somerset	0.71	0.72	0.72	0.73	0.74	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.81	0.81	0.81	0.81	0.82
South Gloucestershire	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.86	0.86	0.86	0.87	0.87
Swindon	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85
Torbay	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79
Wiltshire	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83
West Midlands	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83
Birmingham	0.71	0.71	0.72	0.73	0.74	0.74	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.84
Coventry	0.72	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85
Dudley	0.69	0.7	0.7	0.71	0.72	0.72	0.72	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.8
Herefordshire, County of	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83
Sandwell	0.68	0.69	0.7	0.7	0.71	0.71	0.72	0.72	0.72	0.73	0.74	0.74	0.74	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8
Shropshire	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83
Solihull	0.73	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.85	0.86
Staffordshire	0.71	0.71	0.72	0.73	0.74	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.82	0.83
Stoke-on-Trent	0.69	0.7	0.7	0.71	0.72	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.8
Telford and Wrekin	0.71	0.72	0.73	0.73	0.74	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82
Walsall	0.68	0.69	0.69	0.7	0.7	0.71	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79
Warwickshire	0.73	0.74	0.75	0.75	0.76	0.77	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.85	0.85	0.85	0.86	0.86
Wolverhampton	0.69	0.7	0.7	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81
Worcestershire	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83
Yorkshire and the Humber	0.71	0.72	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83	0.83
Barnsley	0.68	0.68	0.69	0.69	0.7	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.74	0.74	0.75	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79
Bradford	0.69	0.7	0.71	0.71	0.72	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81
Calderdale	0.71	0.71	0.72	0.73	0.74	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.83	0.83
Doncaster	0.67	0.68	0.69	0.69	0.7	0.7	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.79
East Riding of Yorkshire	0.71	0.72	0.73	0.73	0.74	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.82
Kingston upon Hull, City of	0.69	0.7	0.7	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81	0.81
Kirklees	0.7	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.8	0.81	0.81	0.81	0.81	0.82
Leeds	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.79	0.8	0.8	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87
North East Lincolnshire	0.7	0.71	0.71	0.72	0.73	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.8	0.8	0.8	0.8	0.8
North Lincolnshire	0.7	0.71	0.71	0.72	0.73	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.81
North Yorkshire	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84
Rotherham	0.68	0.69	0.69	0.7	0.71	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.8

eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Sheffield	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.85
Wakefield	0.69	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.79	0.8	0.8	0.8	0.81
York	0.76	0.77	0.78	0.78	0.79	0.8	0.8	0.8	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.88	0.88	0.88
Northern Ireland	0.71	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.8	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.84
Scotland	0.67	0.68	0.69	0.69	0.7	0.71	0.71	0.72	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.81
Wales	0.64	0.65	0.66	0.67	0.68	0.68	0.69	0.69	0.7	0.71	0.72	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.8	0.81
Latin America and Caribbean	0.5	0.5	0.51	0.51	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.64
Andean Latin America	0.48	0.49	0.49	0.5	0.5	0.51	0.51	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.63
Bolivia	0.4	0.41	0.42	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.49	0.5	0.51	0.52	0.53	0.53	0.54	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.59
Ecuador	0.51	0.51	0.52	0.52	0.52	0.52	0.52	0.52	0.53	0.53	0.54	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.59	0.59	0.59	0.6	0.61	0.62	0.62	0.63	0.63	0.64
Peru	0.49	0.5	0.5	0.5	0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.56	0.56	0.57	0.57	0.58	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.62	0.63	0.63	0.64
Caribbean	0.53	0.54	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.63	0.64	0.64
Antigua and Barbuda	0.61	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.66	0.66	0.67	0.67	0.68	0.68	0.69	0.69	0.69	0.7	0.7	0.7	0.7	0.71	0.71	0.71	0.72
The Bahamas	0.67	0.67	0.67	0.67	0.67	0.68	0.68	0.69	0.7	0.7	0.71	0.72	0.72	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.76
Barbados	0.65	0.66	0.66	0.67	0.67	0.68	0.68	0.68	0.68	0.68	0.69	0.69	0.69	0.7	0.7	0.71	0.71	0.71	0.72	0.72	0.72	0.73	0.73	0.73	0.73	0.74	0.74	0.74
Belize	0.4	0.41	0.43	0.45	0.46	0.47	0.48	0.49	0.5	0.5	0.51	0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.59	0.59	0.6	0.6	0.6
Bermuda	0.73	0.73	0.73	0.74	0.74	0.74	0.74	0.74	0.75	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81
Cuba	0.59	0.6	0.6	0.61	0.6	0.6	0.6	0.6	0.6	0.6	0.61	0.61	0.62	0.62	0.63	0.64	0.64	0.65	0.65	0.65	0.65	0.66	0.66	0.67	0.67	0.68	0.68	0.69
Dominica	0.53	0.54	0.54	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.6	0.61	0.61	0.62	0.63	0.64	0.64	0.65	0.65	0.66	0.66	0.67	0.67	0.68	0.68	0.68	0.68	0.69
Dominican Republic	0.44	0.44	0.45	0.45	0.45	0.46	0.46	0.47	0.48	0.48	0.48	0.49	0.5	0.5	0.51	0.53	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.58	0.58	0.59	0.59
Grenada	0.46	0.47	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.62	0.62	0.63	0.63	0.64	0.64
Guyana	0.44	0.45	0.45	0.45	0.46	0.47	0.47	0.48	0.49	0.5	0.5	0.51	0.52	0.52	0.53	0.53	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.58
Haiti	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.4	0.4	0.41	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.44	0.44	0.44
Jamaica	0.55	0.55	0.56	0.57	0.57	0.58	0.59	0.59	0.6	0.6	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.66	0.66	0.67	0.67	0.67	0.68	0.68	0.68
Puerto Rico	0.68	0.69	0.69	0.7	0.7	0.71	0.71	0.72	0.72	0.73	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.79	0.8	0.81	0.81	0.81	0.81
Saint Lucia	0.51	0.52	0.52	0.53	0.54	0.55	0.56	0.57	0.57	0.58	0.59	0.59	0.59	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.65
Saint Vincent and the Grenadines	0.47	0.47	0.48	0.49	0.49	0.5	0.51	0.51	0.52	0.52	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.61
Suriname	0.53	0.53	0.54	0.54	0.54	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.58	0.59	0.59	0.6	0.6	0.6	0.61	0.61	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64
Trinidad and Tobago	0.6	0.6	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.64	0.65	0.65	0.66	0.66	0.67	0.68	0.68	0.69	0.69	0.69	0.69	0.69	0.7	0.7	0.7	0.7	0.7	0.7
Virgin Islands	0.67	0.68	0.69	0.7	0.71	0.71	0.72	0.73	0.73	0.73	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.79	0.79	0.8	0.8	0.8	0.8	0.81	0.81	0.81	0.81
Central Latin America	0.49	0.5	0.5	0.51	0.52	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.62
Colombia	0.48	0.48	0.49	0.49	0.5	0.5	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.54	0.55	0.55	0.56	0.57	0.57	0.58	0.59	0.6	0.6	0.61	0.62	0.62	0.63	0.63
Costa Rica	0.52	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.65	0.65	0.65	0.66	0.66
El Salvador	0.41	0.41	0.41	0.42	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.52	0.53	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59
Guatemala	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.4	0.41	0.42	0.43	0.43	0.44	0.45	0.46	0.47	0.47	0.48	0.48	0.49	0.5	0.5	0.51	0.51	0.52	0.52	0.52
Honduras	0.34	0.34	0.35	0.35	0.36	0.37	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.5	0.5	0.5	0.51	0.51
Mexico	0.51	0.52	0.52	0.53	0.54	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.6	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.63	0.63

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eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Aguascalientes	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.66	0.66	0.66
Baja California	0.57	0.57	0.58	0.58	0.58	0.59	0.59	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.66	0.66
Baja California Sur	0.57	0.57	0.58	0.58	0.59	0.59	0.59	0.6	0.6	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.66	0.66	0.66
Campeche	0.49	0.49	0.5	0.5	0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.59	0.6	0.6	0.6	0.6	0.61	0.61	0.61	0.61	0.62
Chiapas	0.4	0.41	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.47	0.48	0.48	0.48	0.49	0.49	0.5	0.5	0.51	0.51	0.51	0.52	0.52	0.52	0.53	0.53	0.53	0.53
Chihuahua	0.55	0.55	0.55	0.56	0.56	0.56	0.56	0.57	0.57	0.57	0.58	0.58	0.59	0.59	0.59	0.6	0.6	0.61	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.64	0.64	0.64
Coahuila	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.6	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.64	0.64	0.65
Colima	0.54	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.65
Mexico City	0.6	0.61	0.61	0.62	0.63	0.64	0.65	0.66	0.66	0.67	0.67	0.68	0.68	0.69	0.69	0.69	0.7	0.7	0.7	0.7	0.7	0.7	0.71	0.71	0.71	0.71	0.71	0.72
Durango	0.51	0.51	0.51	0.52	0.52	0.52	0.53	0.54	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.62
Guanajuato	0.49	0.5	0.5	0.51	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.57	0.57	0.58	0.58	0.58	0.59	0.59	0.6	0.6	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.62
Guerrero	0.43	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.49	0.49	0.5	0.51	0.51	0.52	0.52	0.53	0.54	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.56	0.56
Hidalgo	0.42	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.53	0.54	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.58	0.59	0.59
Jalisco	0.53	0.54	0.55	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.65	0.65	0.65
México	0.53	0.52	0.53	0.54	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.6	0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.64
Michoacán de Ocampo	0.46	0.47	0.48	0.48	0.49	0.49	0.5	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.57	0.58	0.58	0.58	0.58	0.59
Morelos	0.53	0.53	0.54	0.55	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.64
Nayarit	0.5	0.5	0.51	0.51	0.52	0.52	0.53	0.54	0.55	0.55	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.59	0.6	0.6	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.62
Nuevo León	0.6	0.6	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.66	0.66	0.66	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.68	0.68	0.68
Oaxaca	0.43	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.47	0.48	0.49	0.49	0.5	0.5	0.51	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.56
Puebla	0.46	0.46	0.47	0.48	0.49	0.49	0.5	0.5	0.5	0.5	0.5	0.51	0.52	0.52	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.58	0.58	0.58
Querétaro	0.5	0.5	0.51	0.52	0.53	0.54	0.56	0.57	0.58	0.58	0.59	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.64	0.64	0.64	0.64
Quintana Roo	0.52	0.53	0.53	0.54	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.59	0.59	0.6	0.6	0.6	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.62	0.62	0.63	0.63
San Luis Potosí	0.48	0.49	0.49	0.5	0.51	0.51	0.52	0.53	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.62
Sinaloa	0.52	0.53	0.53	0.54	0.54	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.65	0.65
Sonora	0.55	0.56	0.56	0.57	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.65	0.65	0.65	0.65
Tabasco	0.47	0.48	0.49	0.49	0.5	0.51	0.52	0.52	0.53	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.59	0.6	0.6	0.6	0.6	0.61	0.61	0.61
Tamaulipas	0.55	0.55	0.56	0.56	0.57	0.57	0.57	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.64	0.65	0.65
Tlaxcala	0.48	0.48	0.49	0.5	0.51	0.52	0.52	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.59	0.59	0.6	0.6	0.6	0.6	0.6	0.6
Veracruz de Ignacio de la Llave	0.46	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.5	0.51	0.52	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.57	0.58	0.58	0.58	0.59	0.59	0.59
Yucatán	0.5	0.5	0.51	0.52	0.52	0.53	0.54	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.6	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.63
Zacatecas	0.48	0.49	0.5	0.5	0.51	0.51	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.56	0.56	0.57	0.57	0.58	0.58	0.58	0.59	0.59	0.59	0.6	0.6	0.6	0.61	0.61
Nicaragua	0.36	0.36	0.37	0.37	0.38	0.39	0.4	0.41	0.42	0.42	0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.5	0.5	0.51	0.51	0.52	0.53	0.53
Panama	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.57	0.58	0.58	0.59	0.6	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.65	0.66	0.66	0.67	0.68
Venezuela	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.59	0.59	0.59	0.59	0.6	0.6	0.59	0.58	0.58	0.59	0.61	0.62	0.63	0.63	0.63	0.64	0.65	0.65	0.65	0.65	0.66
Tropical Latin America	0.49	0.5	0.51	0.51	0.52	0.53	0.54	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.61	0.61	0.62	0.63	0.64	0.64	0.65	0.65	0.66	0.66
Brazil	0.49	0.5	0.51	0.52	0.52	0.53	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.6	0.6	0.61	0.62	0.62	0.63	0.64	0.64	0.65	0.66	0.66	0.66

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eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Acre	0.38	0.39	0.4	0.41	0.42	0.42	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.49	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.58	0.59	0.6	0.6
Alagoas	0.36	0.36	0.37	0.38	0.39	0.4	0.4	0.41	0.42	0.43	0.43	0.44	0.44	0.45	0.46	0.46	0.47	0.48	0.49	0.5	0.51	0.51	0.52	0.53	0.54	0.55	0.55	0.56
Amapá	0.47	0.48	0.48	0.49	0.5	0.51	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.6	0.61	0.61	0.62	0.63	0.64	0.64	0.65	0.66	0.66
Amazonas	0.44	0.45	0.46	0.47	0.48	0.48	0.49	0.5	0.51	0.51	0.51	0.52	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.57	0.58	0.59	0.59	0.6	0.61	0.62	0.63	0.63
Bahia	0.4	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.5	0.5	0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.57	0.58	0.58	0.59	0.59
Ceará	0.41	0.42	0.43	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.48	0.49	0.49	0.5	0.51	0.51	0.52	0.53	0.54	0.54	0.55	0.56	0.57	0.58	0.58	0.59	0.6	0.6
Distrito Federal	0.63	0.64	0.64	0.65	0.66	0.66	0.67	0.68	0.69	0.69	0.7	0.7	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.79
Espírito Santo	0.5	0.51	0.52	0.52	0.53	0.54	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.59	0.6	0.61	0.61	0.62	0.63	0.63	0.64	0.64	0.65	0.66	0.66	0.67	0.67	0.68
Goiás	0.46	0.47	0.48	0.48	0.49	0.5	0.51	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.56	0.57	0.58	0.59	0.59	0.6	0.61	0.62	0.62	0.63	0.64	0.64	0.65	0.65
Maranhão	0.31	0.32	0.33	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.4	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.5	0.51
Mato Grosso	0.48	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.6	0.6	0.61	0.62	0.63	0.63	0.64	0.65	0.65	0.66	0.66
Mato Grosso do Sul	0.47	0.47	0.48	0.49	0.5	0.51	0.52	0.52	0.53	0.54	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.59	0.59	0.6	0.61	0.61	0.62	0.63	0.64	0.64	0.65	0.65
Minas Gerais	0.49	0.5	0.51	0.51	0.52	0.53	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.59	0.59	0.6	0.6	0.61	0.62	0.62	0.63	0.64	0.64	0.65	0.65	0.66	0.66
Pará	0.41	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.47	0.48	0.48	0.48	0.49	0.49	0.5	0.51	0.51	0.52	0.53	0.54	0.55	0.55	0.56	0.57	0.58	0.58
Paraíba	0.4	0.41	0.41	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.46	0.47	0.47	0.47	0.48	0.49	0.49	0.5	0.51	0.52	0.53	0.54	0.54	0.55	0.56	0.57	0.57	0.57
Paraná	0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.56	0.57	0.58	0.59	0.59	0.6	0.6	0.61	0.62	0.62	0.63	0.63	0.64	0.65	0.65	0.66	0.66	0.67	0.68	0.68	0.68
Pernambuco	0.42	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.5	0.5	0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.56	0.57	0.58	0.59	0.59	0.59
Piauí	0.37	0.37	0.38	0.39	0.39	0.4	0.41	0.42	0.42	0.43	0.43	0.43	0.44	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.54	0.55	0.55
Rio de Janeiro	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.65	0.65	0.66	0.66	0.67	0.67	0.68	0.68	0.69	0.69	0.7	0.7	0.71	0.71
Rio Grande do Norte	0.42	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.49	0.5	0.5	0.51	0.52	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.58	0.59	0.6	0.6	0.61
Rio Grande do Sul	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.63	0.64	0.64	0.65	0.65	0.66	0.67	0.67	0.68	0.68	0.69	0.69	0.69
Rondônia	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.48	0.49	0.5	0.5	0.51	0.52	0.52	0.53	0.54	0.54	0.55	0.56	0.57	0.58	0.58	0.59	0.6	0.61	0.61	0.62	0.62
Roraima	0.43	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.5	0.5	0.51	0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.6	0.61	0.62	0.63	0.64	0.64	0.65
Santa Catarina	0.54	0.55	0.55	0.56	0.57	0.57	0.58	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.63	0.64	0.64	0.65	0.65	0.66	0.67	0.67	0.68	0.68	0.69	0.7	0.7	0.7
São Paulo	0.56	0.57	0.57	0.58	0.59	0.6	0.6	0.61	0.62	0.62	0.63	0.64	0.64	0.65	0.65	0.66	0.66	0.67	0.67	0.68	0.69	0.69	0.7	0.7	0.71	0.71	0.72	0.72
Sergipe	0.43	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.49	0.49	0.5	0.51	0.51	0.52	0.52	0.53	0.54	0.55	0.55	0.56	0.57	0.58	0.59	0.59	0.6	0.61	0.61	0.62
Tocantins	0.4	0.4	0.41	0.42	0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.59	0.6	0.61	0.61
Paraguay	0.47	0.47	0.48	0.48	0.49	0.49	0.5	0.5	0.51	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.57	0.58	0.58	0.59	0.6	0.61	0.61	0.62
North Africa and Middle East	0.46	0.46	0.47	0.48	0.49	0.49	0.5	0.51	0.51	0.52	0.53	0.54	0.55	0.55	0.56	0.57	0.57	0.58	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.63	0.64	0.64
North Africa and Middle East	0.46	0.46	0.47	0.48	0.49	0.49	0.5	0.51	0.51	0.52	0.53	0.54	0.55	0.55	0.56	0.57	0.57	0.58	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.63	0.64	0.64
Afghanistan	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.17	0.18	0.18	0.19	0.2	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.28	0.29
Algeria	0.5	0.5	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.57	0.58	0.59	0.6	0.61	0.62	0.63	0.63	0.64	0.65	0.65	0.66	0.67	0.67	0.68	0.68	0.69	0.69	0.7
Bahrain	0.61	0.62	0.62	0.63	0.64	0.64	0.64	0.65	0.65	0.66	0.66	0.67	0.67	0.68	0.68	0.68	0.69	0.69	0.69	0.7	0.7	0.7	0.7	0.7	0.7	0.71	0.71	0.71
Egypt	0.44	0.45	0.46	0.47	0.48	0.49	0.49	0.5	0.51	0.51	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.56	0.57	0.56	0.57	0.57	0.58	0.6	0.6
Iran	0.5	0.51	0.52	0.53	0.54	0.55	0.55	0.56	0.56	0.57	0.59	0.6	0.62	0.63	0.63	0.64	0.65	0.66	0.66	0.67	0.67	0.68	0.68	0.68	0.69	0.69	0.7	0.7
Iraq	0.43	0.43	0.44	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.48	0.49	0.49	0.5	0.5	0.51	0.51	0.52	0.52	0.53	0.54	0.54	0.55	0.56	0.57	0.57	0.58	0.59
Jordan	0.55	0.56	0.56	0.57	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.6	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.69	0.69	0.7

eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Kuwait	0.66	0.65	0.64	0.64	0.63	0.63	0.64	0.65	0.67	0.67	0.68	0.68	0.69	0.69	0.69	0.7	0.71	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.77	0.78	0.78	0.79
Lebanon	0.52	0.53	0.54	0.54	0.55	0.56	0.57	0.58	0.59	0.6	0.6	0.61	0.62	0.63	0.64	0.64	0.65	0.66	0.67	0.68	0.69	0.69	0.7	0.71	0.72	0.72	0.73	0.73
Libya	0.65	0.66	0.67	0.68	0.69	0.7	0.71	0.71	0.72	0.73	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.77	0.77	0.76
Morocco	0.39	0.4	0.4	0.41	0.42	0.43	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.48	0.49	0.5	0.5	0.51	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.57	0.57	0.58
Palestine	0.36	0.37	0.37	0.38	0.38	0.39	0.4	0.41	0.41	0.42	0.43	0.43	0.43	0.44	0.44	0.44	0.45	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.54
Oman	0.47	0.49	0.5	0.51	0.52	0.53	0.55	0.56	0.57	0.58	0.59	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.7	0.7	0.71	0.72	0.73	0.73	0.74	0.74
Qatar	0.6	0.62	0.63	0.64	0.65	0.66	0.67	0.67	0.68	0.69	0.7	0.7	0.71	0.71	0.72	0.72	0.73	0.73	0.73	0.74	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77
Saudi Arabia	0.44	0.46	0.48	0.5	0.51	0.53	0.55	0.56	0.57	0.59	0.6	0.61	0.62	0.63	0.65	0.66	0.67	0.68	0.7	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.77	0.78
Sudan	0.22	0.23	0.24	0.24	0.25	0.26	0.27	0.28	0.28	0.29	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.43	0.44	0.45	0.46	0.47	0.48
Syria	0.39	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.58	0.59	0.6	0.6	0.61	0.61
Tunisia	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.6	0.61	0.62	0.63	0.63	0.64	0.65	0.65	0.66	0.66	0.67	0.67	0.68
Turkey	0.51	0.52	0.52	0.53	0.54	0.55	0.56	0.56	0.57	0.58	0.59	0.59	0.6	0.61	0.62	0.63	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.7	0.71	0.72	0.72	0.73
United Arab Emirates	0.62	0.64	0.65	0.66	0.68	0.69	0.7	0.71	0.72	0.73	0.73	0.74	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.8
Yemen	0.2	0.21	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.28	0.29	0.3	0.31	0.32	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.42	0.43	0.43	0.43
South Asia	0.31	0.32	0.32	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.38	0.39	0.4	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.49	0.5	0.52	0.53	0.53
South Asia	0.31	0.32	0.32	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.38	0.39	0.4	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.49	0.5	0.52	0.53	0.53
Bangladesh	0.26	0.26	0.27	0.28	0.29	0.3	0.31	0.31	0.32	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.38	0.39	0.39	0.4	0.41	0.42	0.43	0.44	0.44	0.45	0.46
Bhutan	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.56	0.57
India	0.32	0.32	0.33	0.34	0.35	0.35	0.36	0.37	0.37	0.38	0.39	0.4	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.5	0.52	0.53	0.54	0.55
Andhra Pradesh	0.28	0.29	0.29	0.3	0.31	0.32	0.33	0.34	0.34	0.35	0.36	0.37	0.38	0.4	0.41	0.42	0.42	0.43	0.44	0.45	0.46	0.47	0.47	0.49	0.5	0.52	0.53	0.54
Arunachal Pradesh	0.31	0.32	0.32	0.33	0.34	0.35	0.35	0.36	0.37	0.37	0.38	0.39	0.4	0.41	0.42	0.42	0.43	0.44	0.45	0.46	0.47	0.47	0.48	0.5	0.52	0.54	0.55	0.56
Assam	0.33	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.39	0.4	0.41	0.42	0.42	0.43	0.44	0.45	0.45	0.46	0.46	0.47	0.47	0.49	0.5	0.51	0.52	0.53
Bihar	0.29	0.29	0.3	0.3	0.3	0.3	0.3	0.3	0.29	0.29	0.29	0.29	0.3	0.3	0.3	0.31	0.32	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.4	0.41	0.43	0.43
Chhattisgarh	0.29	0.29	0.3	0.3	0.31	0.31	0.32	0.32	0.32	0.33	0.34	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.43	0.44	0.46	0.47	0.49	0.5	0.51
Delhi	0.49	0.49	0.5	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.56	0.57	0.58	0.58	0.59	0.6	0.61	0.62	0.63	0.64	0.64	0.65	0.66	0.67	0.69	0.7	0.71	0.72
Goa	0.5	0.51	0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.6	0.61	0.62	0.63	0.63	0.64	0.66	0.67	0.67	0.68	0.69	0.7	0.71	0.72	0.73	0.74
Gujarat	0.35	0.35	0.36	0.37	0.38	0.39	0.4	0.4	0.41	0.42	0.43	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.52	0.53	0.54	0.56	0.57	0.58	0.58
Haryana	0.34	0.35	0.36	0.36	0.37	0.38	0.39	0.39	0.4	0.41	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.51	0.52	0.54	0.56	0.58	0.59	0.6
Himachal Pradesh	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.59	0.6	0.61	0.63	0.63
Jammu and Kashmir	0.33	0.34	0.34	0.35	0.36	0.36	0.37	0.38	0.39	0.4	0.42	0.43	0.44	0.45	0.47	0.48	0.49	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.59
Jharkhand	0.28	0.28	0.29	0.29	0.29	0.3	0.3	0.3	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.41	0.42	0.43	0.45	0.47	0.48	0.49
Karnataka	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.38	0.39	0.4	0.41	0.42	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.5	0.51	0.53	0.54	0.56	0.57	0.57
Kerala	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.5	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.57	0.58	0.59	0.59	0.6	0.61	0.63	0.64	0.65	0.66
Madhya Pradesh	0.28	0.29	0.29	0.3	0.3	0.31	0.32	0.32	0.32	0.33	0.33	0.34	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.4	0.41	0.43	0.45	0.47	0.48	0.49
Maharashtra	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.55	0.56	0.57	0.59	0.6	0.61	0.62
Manipur	0.38	0.39	0.39	0.4	0.41	0.41	0.42	0.42	0.43	0.44	0.45	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.57	0.58	0.59
Meghalaya	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.5	0.51	0.52	0.53	0.55	0.56	0.57
Mizoram	0.39	0.4	0.41	0.42	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.48	0.49	0.5	0.51	0.52	0.53	0.53	0.54	0.55	0.55	0.55	0.56	0.57	0.59	0.6	0.61	0.62

eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Nagaland	0.4	0.4	0.41	0.41	0.42	0.43	0.44	0.44	0.45	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.57	0.59	0.6	0.61	0.63	0.63
Odisha	0.28	0.29	0.29	0.3	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.36	0.37	0.38	0.39	0.4	0.42	0.43	0.43	0.44	0.45	0.46	0.47	0.49	0.5	0.52	0.52
Punjab	0.38	0.39	0.4	0.4	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.48	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.55	0.56	0.58	0.59	0.61	0.61	0.62
Rajasthan	0.26	0.27	0.27	0.28	0.29	0.3	0.3	0.31	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.39	0.4	0.4	0.41	0.42	0.42	0.44	0.46	0.47	0.48	0.49
Sikkim	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.4	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.51	0.53	0.54	0.56	0.57	0.59	0.61	0.62	0.63
Tamil Nadu	0.35	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.41	0.42	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.51	0.52	0.53	0.54	0.54	0.56	0.58	0.6	0.61	0.62
Telangana	0.29	0.29	0.3	0.31	0.32	0.32	0.33	0.34	0.34	0.35	0.36	0.37	0.38	0.4	0.41	0.42	0.43	0.44	0.45	0.47	0.48	0.49	0.5	0.52	0.54	0.55	0.57	0.58
Tripura	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.48	0.48	0.49	0.5	0.52	0.53	0.54	0.54
Uttar Pradesh	0.27	0.28	0.28	0.29	0.29	0.3	0.3	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.37	0.37	0.38	0.39	0.4	0.4	0.41	0.42	0.44	0.45	0.47	0.48	0.49
Uttarakhand	0.3	0.31	0.31	0.32	0.32	0.33	0.34	0.34	0.35	0.36	0.37	0.38	0.39	0.41	0.42	0.43	0.45	0.46	0.48	0.49	0.51	0.52	0.54	0.55	0.57	0.59	0.6	0.61
West Bengal	0.32	0.32	0.33	0.34	0.35	0.35	0.36	0.37	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.43	0.44	0.45	0.46	0.46	0.47	0.47	0.48	0.49	0.51	0.52	0.53	0.54
Union Territories other than Delhi	0.41	0.41	0.41	0.42	0.42	0.43	0.44	0.45	0.45	0.46	0.47	0.49	0.5	0.51	0.52	0.54	0.55	0.56	0.57	0.58	0.59	0.59	0.6	0.61	0.62	0.64	0.65	0.65
Nepal	0.22	0.22	0.23	0.24	0.24	0.25	0.26	0.27	0.27	0.28	0.29	0.3	0.31	0.32	0.32	0.33	0.34	0.35	0.36	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.42	0.43
Pakistan	0.31	0.31	0.31	0.32	0.32	0.33	0.34	0.34	0.35	0.36	0.37	0.38	0.38	0.39	0.4	0.4	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.49
Southeast Asia, East Asia, and Oceania	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.55	0.56	0.57	0.57	0.58	0.59	0.6	0.61	0.62	0.62	0.63	0.64	0.65	0.66	0.66	0.67	0.67	0.68	0.69
East Asia	0.46	0.48	0.49	0.5	0.5	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.58	0.59	0.6	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.69	0.7	0.7	0.71
China	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.54	0.55	0.55	0.56	0.57	0.58	0.59	0.6	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.68	0.69	0.7	0.69	0.71
North Korea	0.51	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.51	0.51	0.51	0.51	0.52	0.52	0.52	0.53	0.53	0.54	0.54
Taiwan (Province of China)	0.69	0.7	0.71	0.72	0.72	0.73	0.74	0.75	0.76	0.76	0.77	0.78	0.79	0.79	0.8	0.81	0.81	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86
Oceania	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.45	0.45	0.45	0.46	0.46	0.46	0.47	0.47
American Samoa	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.66	0.66	0.66	0.67	0.67	0.67	0.67	0.68	0.68	0.68	0.69	0.69	0.69	0.7	0.7	0.7
Federated States of Micronesia	0.46	0.47	0.48	0.48	0.49	0.5	0.5	0.51	0.51	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.57	0.58
Fiji	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.59	0.59	0.59	0.6	0.6	0.6	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.63	0.63	0.64	0.64
Guam	0.7	0.7	0.69	0.69	0.7	0.7	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79
Kiribati	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.4	0.4	0.4	0.4	0.4	0.4	0.41	0.41	0.41	0.42	0.42	0.43
Marshall Islands	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.46	0.47	0.47	0.47	0.48	0.48	0.49	0.49	0.49	0.5	0.5	0.51	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.55
Northern Mariana Islands	0.74	0.74	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.77	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
Papua New Guinea	0.32	0.32	0.32	0.33	0.34	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.4	0.4	0.41	0.42	0.42
Samoa	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.55	0.55	0.55	0.55	0.55	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.57	0.57	0.58
Solomon Islands	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.4	0.41	0.41	0.42	0.42	0.43
Tonga	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.58	0.58	0.58	0.59	0.59	0.59	0.6	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.63
Vanuatu	0.38	0.38	0.39	0.39	0.4	0.4	0.4	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.43	0.43	0.43	0.44	0.44	0.45	0.45	0.45	0.46	0.46	0.47	0.47	0.47	0.48
Southeast Asia	0.47	0.48	0.49	0.5	0.5	0.51	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.6	0.6	0.61	0.62	0.62	0.63	0.64	0.64
Cambodia	0.26	0.27	0.27	0.28	0.29	0.29	0.3	0.31	0.32	0.33	0.34	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.48	0.48
Indonesia	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.61	0.62	0.62	0.63	0.64	0.64	0.65
Laos	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.38	0.39	0.39	0.4	0.41	0.42	0.43	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.52

eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Malaysia	0.57	0.58	0.58	0.59	0.6	0.61	0.62	0.63	0.64	0.65	0.66	0.66	0.67	0.68	0.68	0.69	0.7	0.7	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76
Maldives	0.39	0.4	0.41	0.42	0.44	0.45	0.46	0.48	0.49	0.51	0.52	0.53	0.54	0.55	0.55	0.56	0.57	0.58	0.58	0.59	0.6	0.61	0.62	0.63	0.64	0.64	0.65	0.66
Mauritius	0.55	0.56	0.57	0.58	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.65	0.65	0.66	0.66	0.67	0.68	0.68	0.69	0.69	0.7	0.71	0.71	0.72	0.72
Myanmar	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.37	0.38	0.38	0.39	0.4	0.41	0.42	0.43	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.54	0.55	0.56
Philippines	0.51	0.52	0.52	0.53	0.53	0.53	0.54	0.54	0.55	0.55	0.55	0.55	0.56	0.56	0.56	0.56	0.56	0.57	0.57	0.57	0.57	0.58	0.59	0.59	0.6	0.61	0.61	0.62
Sri Lanka	0.49	0.5	0.5	0.51	0.52	0.52	0.53	0.54	0.55	0.55	0.56	0.57	0.57	0.58	0.58	0.59	0.6	0.6	0.61	0.62	0.63	0.63	0.64	0.65	0.66	0.67	0.67	0.68
Seychelles	0.55	0.56	0.57	0.57	0.58	0.59	0.6	0.61	0.61	0.62	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.66	0.66	0.66	0.66	0.67	0.67	0.68	0.68	0.69	0.69
Thailand	0.5	0.51	0.53	0.53	0.54	0.55	0.56	0.57	0.57	0.57	0.58	0.59	0.59	0.6	0.61	0.61	0.62	0.62	0.63	0.64	0.64	0.65	0.65	0.66	0.67	0.67	0.68	0.68
Timor-Leste	0.28	0.28	0.29	0.3	0.3	0.31	0.31	0.32	0.33	0.32	0.32	0.33	0.33	0.35	0.36	0.38	0.4	0.42	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.5	0.5	0.51
Vietnam	0.41	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.48	0.48	0.49	0.5	0.5	0.51	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.57	0.58	0.59	0.59	0.6	0.61
Sub-Saharan Africa	0.3	0.31	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.36	0.37	0.37	0.38	0.39	0.39	0.4	0.41	0.41	0.42	0.43	0.44	0.44	0.45
Central sub-Saharan Africa	0.3	0.3	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.35	0.36	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.46
Angola	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.27	0.28	0.28	0.29	0.29	0.3	0.31	0.31	0.32	0.33	0.34	0.35	0.36	0.38	0.39	0.4	0.41	0.43	0.44	0.45	0.46
Central African Republic	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.29	0.29	0.3	0.3	0.31	0.32	0.33	0.33	0.33	0.33	0.33
Congo (Brazzaville)	0.38	0.39	0.4	0.41	0.41	0.42	0.42	0.43	0.43	0.43	0.44	0.44	0.45	0.46	0.46	0.47	0.48	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.57
DR Congo	0.29	0.3	0.3	0.3	0.3	0.29	0.29	0.29	0.28	0.28	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.29	0.3	0.32	0.33	0.34	0.36	0.36
Equatorial Guinea	0.2	0.2	0.21	0.22	0.23	0.24	0.26	0.29	0.32	0.34	0.36	0.39	0.41	0.43	0.45	0.47	0.48	0.5	0.52	0.53	0.54	0.56	0.57	0.59	0.6	0.61	0.62	0.63
Gabon	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.51	0.52	0.53	0.54	0.54	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.6	0.61	0.62	0.63	0.63	0.64	0.65
Eastern sub-Saharan Africa	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.29	0.29	0.3	0.31	0.32	0.32	0.33	0.34	0.35	0.36	0.37	0.37	0.38	0.39
Burundi	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.3	0.3	0.3	0.31	0.31	0.31
Comoros	0.27	0.28	0.29	0.29	0.3	0.3	0.31	0.31	0.31	0.32	0.33	0.33	0.34	0.34	0.35	0.36	0.37	0.37	0.38	0.38	0.39	0.4	0.4	0.41	0.42	0.42	0.43	0.43
Djibouti	0.31	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.36	0.37	0.39	0.4	0.41	0.41	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.48	0.49
Eritrea	0.2	0.21	0.22	0.23	0.25	0.26	0.27	0.29	0.3	0.31	0.32	0.32	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.4	0.4	0.41
Ethiopia	0.14	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.17	0.17	0.17	0.18	0.18	0.19	0.2	0.2	0.21	0.22	0.23	0.25	0.26	0.27	0.28	0.29	0.3	0.31	0.33	0.33
Kenya	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.39	0.4	0.4	0.4	0.41	0.41	0.42	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.49	0.49	0.5
Baringo	0.25	0.27	0.28	0.29	0.3	0.31	0.31	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.4	0.41	0.41	0.42	0.43	0.43	0.44	0.44
Bomet	0.31	0.32	0.33	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.37	0.38	0.39	0.39	0.4	0.41	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.48	0.49	0.5
Bungoma	0.32	0.33	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.4	0.4	0.41	0.42	0.42	0.43	0.44	0.45	0.45	0.46	0.46
Busia	0.3	0.3	0.31	0.32	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.4	0.4	0.41	0.42	0.42	0.43	0.43	0.44
Elgeyo Marakwet	0.29	0.3	0.31	0.32	0.33	0.34	0.34	0.35	0.36	0.36	0.37	0.37	0.38	0.39	0.39	0.4	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.48	0.48	0.49	0.5
Embu	0.38	0.38	0.39	0.4	0.41	0.41	0.42	0.42	0.43	0.43	0.43	0.44	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.48	0.49	0.49	0.5	0.51	0.51	0.52	0.53	0.53
Garissa	0.15	0.16	0.17	0.18	0.18	0.19	0.2	0.2	0.21	0.21	0.22	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.28	0.29	0.3	0.31	0.32	0.33	0.33
Homa Bay	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.27	0.28	0.29	0.29	0.29	0.3	0.31	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.37	0.38	0.39	0.4	0.41	0.42	0.43
Isiolo	0.26	0.27	0.28	0.28	0.29	0.29	0.3	0.3	0.3	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.39
Kajiado	0.38	0.39	0.4	0.41	0.41	0.42	0.43	0.43	0.43	0.44	0.44	0.45	0.45	0.45	0.46	0.46	0.46	0.47	0.48	0.48	0.49	0.49	0.5	0.51	0.51	0.52	0.53	0.53
Kakamega	0.3	0.3	0.31	0.32	0.33	0.33	0.34	0.34	0.35	0.36	0.36	0.36	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.4	0.41	0.41	0.42	0.43	0.43	0.44	0.45	0.45
Kericho	0.27	0.28	0.29	0.3	0.31	0.32	0.32	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.38	0.39	0.39	0.4	0.41	0.43	0.44	0.45	0.45	0.46	0.48	0.49	0.49	0.5
Kiambu	0.44	0.44	0.45	0.46	0.46	0.47	0.47	0.48	0.48	0.48	0.49	0.49	0.49	0.5	0.5	0.5	0.51	0.52	0.52	0.53	0.54	0.54	0.55	0.56	0.56	0.57	0.58	0.58

eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Kilifi	0.29	0.3	0.31	0.31	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.39	0.39	0.4	0.41	0.42	0.42	0.43	0.44	0.45	0.46
Kirinyaga	0.39	0.4	0.4	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.43	0.43	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.48	0.49	0.49	0.5	0.51	0.51	0.52	0.53	0.53
Kisii	0.34	0.35	0.36	0.37	0.38	0.38	0.39	0.4	0.4	0.41	0.41	0.41	0.42	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.48	0.49	0.5	0.5	0.51	0.52	0.52
Kisumu	0.32	0.33	0.33	0.34	0.35	0.36	0.36	0.36	0.37	0.38	0.38	0.38	0.39	0.4	0.4	0.41	0.42	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.48	0.49	0.5	0.5
Kitui	0.28	0.29	0.3	0.3	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.4	0.41	0.42	0.42	0.43	0.44	0.45	0.46	0.46
Kwale	0.29	0.3	0.31	0.31	0.32	0.33	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.39	0.4	0.41	0.41	0.42	0.43	0.44	0.45	0.46
Laikipia	0.35	0.35	0.36	0.37	0.38	0.38	0.39	0.39	0.4	0.4	0.41	0.41	0.42	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.56
Lamu	0.3	0.3	0.31	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.4	0.41	0.41	0.42	0.43	0.43	0.44	0.45	0.45
Machakos	0.35	0.36	0.37	0.38	0.39	0.4	0.4	0.41	0.42	0.43	0.43	0.44	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.5	0.51	0.51	0.52
Makueni	0.3	0.31	0.31	0.32	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.36	0.37	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.45	0.46	0.47	0.47
Mandera	0.1	0.11	0.12	0.13	0.14	0.14	0.15	0.16	0.16	0.17	0.18	0.18	0.19	0.19	0.2	0.21	0.21	0.22	0.22	0.23	0.24	0.24	0.25	0.26	0.27	0.28	0.29	0.3
Marsabit	0.22	0.22	0.23	0.23	0.24	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.28	0.28	0.29	0.29	0.3	0.3	0.31	0.32	0.32	0.33	0.34	0.34
Meru	0.34	0.35	0.35	0.36	0.37	0.38	0.38	0.39	0.39	0.4	0.4	0.41	0.41	0.42	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.48	0.48	0.49	0.5	0.5	0.51
Migori	0.23	0.24	0.25	0.26	0.26	0.27	0.27	0.27	0.28	0.29	0.29	0.29	0.29	0.3	0.3	0.31	0.32	0.33	0.33	0.34	0.36	0.36	0.37	0.38	0.4	0.4	0.41	0.42
Mombasa	0.4	0.41	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.46	0.47	0.47	0.47	0.48	0.48	0.48	0.49	0.49	0.5	0.5	0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.57
Murang'a	0.38	0.39	0.4	0.4	0.41	0.41	0.42	0.42	0.43	0.44	0.44	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.5	0.5	0.51	0.52	0.52	0.52	0.53
Nairobi	0.5	0.51	0.51	0.52	0.53	0.53	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.59	0.59	0.6	0.61	0.62	0.63	0.63	0.64	0.65	0.66	0.67	0.67
Nakuru	0.34	0.35	0.36	0.37	0.38	0.38	0.39	0.39	0.4	0.41	0.41	0.41	0.42	0.42	0.43	0.44	0.45	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.55
Nandi	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.38	0.39	0.39	0.4	0.4	0.41	0.41	0.42	0.42	0.43	0.44	0.44	0.45	0.46	0.46	0.47	0.48	0.48	0.49	0.5	0.5
Narok	0.22	0.23	0.23	0.24	0.25	0.26	0.26	0.26	0.27	0.28	0.28	0.29	0.29	0.3	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.36	0.37	0.38	0.39	0.4	0.4
Nyamira	0.36	0.37	0.38	0.39	0.4	0.4	0.41	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.44	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.5	0.51	0.52	0.53	0.54	0.54
Nyandarua	0.35	0.36	0.37	0.38	0.38	0.39	0.39	0.4	0.4	0.41	0.41	0.42	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.48	0.48	0.49	0.5	0.51	0.51	0.52	0.53	0.53
Nyeri	0.41	0.41	0.42	0.43	0.43	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.47	0.48	0.48	0.48	0.49	0.5	0.5	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.55
Samburu	0.21	0.21	0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.29	0.29	0.3	0.3	0.31
Siaya	0.23	0.24	0.25	0.26	0.27	0.27	0.28	0.29	0.29	0.3	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.46
Taita Taveta	0.35	0.36	0.37	0.38	0.39	0.4	0.4	0.41	0.42	0.42	0.43	0.43	0.43	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.48	0.49	0.49	0.5	0.51	0.52	0.52	0.53
Tana River	0.23	0.24	0.24	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.3	0.3	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.37	0.38
Tharaka Nithi	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.39	0.4	0.4	0.41	0.41	0.42	0.42	0.43	0.44	0.45	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.51	0.52	0.53
Trans Nzoia	0.32	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.4	0.41	0.41	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.48	0.48	0.49	0.5
Turkana	0.21	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.29	0.29	0.3
Uasin Gishu	0.36	0.37	0.38	0.39	0.4	0.41	0.41	0.42	0.42	0.43	0.43	0.44	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.49	0.5	0.5	0.51	0.52	0.53	0.53	0.54	0.55
Vihiga	0.33	0.34	0.35	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.39	0.39	0.4	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.46	0.47	0.47	0.48
Wajir	0.1	0.11	0.12	0.13	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.2	0.2	0.21	0.21	0.22	0.23	0.23	0.24	0.24
West Pokot	0.21	0.22	0.23	0.23	0.24	0.25	0.25	0.25	0.26	0.27	0.27	0.27	0.27	0.28	0.29	0.29	0.3	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.37	0.38	0.38
Madagascar	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.29	0.29	0.29	0.3	0.3	0.3	0.3	0.3	0.3	0.31	0.31	0.32	0.32	0.33	0.33
Malawi	0.2	0.2	0.2	0.21	0.21	0.21	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.28	0.29	0.3	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.35
Mozambique	0.13	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19	0.2	0.21	0.22	0.22	0.24	0.25	0.26	0.27	0.28	0.29	0.3	0.31	0.32	0.33	0.34
Rwanda	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.3	0.3	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.36	0.37	0.38	0.39	0.39	0.4	0.41

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eTable 1: Socio-Demographic Index values for all estimated GBD 2017 locations, 1990-2017

Location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Somalia	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.2	0.2	0.21	0.21	0.22	0.22	0.23	0.23	0.24
South Sudan	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.2	0.2	0.2	0.21	0.21	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.27	0.27	0.28
Tanzania	0.28	0.28	0.29	0.29	0.29	0.29	0.3	0.3	0.3	0.31	0.31	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.35	0.36	0.36	0.37	0.37	0.38	0.39	0.4	0.41	0.41
Uganda	0.16	0.16	0.17	0.17	0.17	0.18	0.19	0.19	0.2	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.37	0.38	0.39
Zambia	0.31	0.31	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.36	0.37	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.47
Southern sub-Saharan Africa	0.52	0.53	0.53	0.54	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.57	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.64	0.64
Botswana	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.52	0.53	0.54	0.55	0.55	0.56	0.57	0.57	0.58	0.59	0.6	0.61	0.61	0.62	0.63	0.63	0.64	0.65	0.65	0.66	0.66
Lesotho	0.33	0.34	0.35	0.35	0.36	0.37	0.38	0.38	0.39	0.4	0.4	0.41	0.41	0.42	0.42	0.43	0.43	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.48	0.48	0.49	0.49
Namibia	0.45	0.46	0.47	0.47	0.48	0.48	0.49	0.5	0.5	0.51	0.51	0.52	0.52	0.53	0.53	0.53	0.54	0.55	0.55	0.56	0.57	0.57	0.58	0.59	0.6	0.6	0.61	0.62
South Africa	0.56	0.56	0.57	0.57	0.57	0.58	0.58	0.58	0.59	0.59	0.6	0.6	0.61	0.61	0.62	0.62	0.62	0.63	0.64	0.64	0.65	0.65	0.66	0.66	0.66	0.67	0.67	0.68
Swaziland	0.43	0.44	0.44	0.45	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.5	0.5	0.51	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58
Zimbabwe	0.41	0.42	0.42	0.43	0.44	0.44	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.46	0.45	0.45	0.44	0.44	0.43	0.43	0.42	0.43	0.43	0.44	0.44	0.45	0.46	0.46
Western sub-Saharan Africa	0.29	0.3	0.3	0.3	0.31	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.36	0.37	0.37	0.38	0.39	0.4	0.4	0.41	0.42	0.42	0.43	0.44	0.44
Benin	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.29	0.3	0.3	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.35	0.36	0.37	0.37
Burkina Faso	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.2	0.2	0.21	0.21	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.27	0.27	0.28	0.28
Cameroon	0.33	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.38	0.39	0.4	0.41	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48
Cape Verde	0.31	0.32	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.52	0.53	0.54	0.54	0.55
Chad	0.12	0.12	0.13	0.13	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.19	0.19	0.2	0.21	0.22	0.22	0.23	0.24	0.25	0.25
Cote d'Ivoire	0.27	0.28	0.29	0.29	0.3	0.3	0.31	0.31	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.4	0.41	0.41
The Gambia	0.25	0.25	0.26	0.26	0.27	0.28	0.28	0.29	0.29	0.3	0.31	0.31	0.32	0.33	0.33	0.34	0.34	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.4	0.4	0.41
Ghana	0.38	0.39	0.39	0.4	0.4	0.4	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.44	0.44	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.5	0.51	0.51	0.52	0.53	0.54
Guinea	0.16	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.2	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.27	0.27	0.28	0.29	0.3	0.3	0.31	0.32	0.33
Guinea-Bissau	0.18	0.19	0.19	0.2	0.21	0.21	0.22	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.29	0.29	0.3	0.31	0.32	0.32	0.33	0.34	0.34	0.35
Liberia	0.21	0.21	0.21	0.21	0.2	0.19	0.18	0.17	0.18	0.18	0.2	0.21	0.23	0.23	0.24	0.25	0.25	0.26	0.26	0.27	0.28	0.28	0.29	0.3	0.31	0.32	0.32	0.33
Mali	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.2	0.2	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.26	0.26	0.27
Mauritania	0.3	0.31	0.31	0.32	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.4	0.41	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.47
Niger	0.09	0.1	0.1	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19
Nigeria	0.34	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.37	0.37	0.37	0.38	0.39	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.48	0.49	0.49
Sao Tome and Principe	0.29	0.29	0.3	0.3	0.31	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.48	0.49
Senegal	0.24	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.29	0.29	0.3	0.3	0.3	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37
Sierra Leone	0.2	0.21	0.21	0.21	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.28	0.29	0.29	0.3	0.31	0.33	0.34	0.34	0.35	0.36
Togo	0.26	0.27	0.28	0.28	0.29	0.29	0.3	0.3	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.37	0.37	0.38	0.39	0.4	0.41	0.41

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Global	Death #, 1990	3,037,044 (2,966,409 to 3,104,943)	1,263,098 (1,220,453 to 1,308,864)	3,854,632 (3,771,297 to 3,942,560)	3,615,809 (3,519,278 to 3,715,515)	853,941 (844,956 to 862,845)	466,727 (462,844 to 470,900)	674,033 (666,858 to 681,883)	8,154,774 (8,024,357 to 8,285,234)	11,770,583 (11,618,335 to 11,926,603)	13,765,285 (13,601,506 to 13,934,158)	1,140,760 (1,130,272 to 1,151,953)
	Death #, 2000	2,743,663 (2,683,053 to 2,807,354)	918,145 (887,698 to 954,872)	3,092,086 (3,030,247 to 3,163,815)	2,926,972 (2,853,818 to 3,007,898)	703,302 (696,132 to 711,149)	483,735 (479,703 to 487,837)	678,423 (670,973 to 686,282)	6,753,895 (6,641,564 to 6,883,034)	9,680,867 (9,545,127 to 9,822,519)	11,546,328 (11,402,470 to 11,696,143)	1,162,159 (1,151,054 to 1,173,659)
	Death #, 2017	1,859,529 (1,793,656 to 1,933,838)	507,698 (489,055 to 527,088)	1,621,135 (1,558,657 to 1,693,323)	1,403,200 (1,340,221 to 1,475,816)	412,113 (404,482 to 420,010)	319,630 (314,713 to 325,138)	516,509 (506,942 to 527,177)	3,988,362 (3,847,837 to 4,140,124)	5,391,562 (5,195,363 to 5,612,906)	6,639,815 (6,437,215 to 6,870,058)	836,139 (822,746 to 851,197)
	% change 1990-2017	**-38.8% (-41.5% to -35.9%)#**	**-59.8% (-61.8% to -57.6%)#**	**-57.9% (-59.9% to -55.8%)#**	**-61.2% (-63.3% to -59.0%)#**	**-51.7% (-52.8% to -50.7%)#**	**-31.5% (-32.6% to -30.3%)#**	**-23.4% (-24.9% to -21.7%)#**	**-51.1% (-53.1% to -49.1%)#**	**-54.2% (-56.0% to -52.3%)#**	**-51.8% (-53.4% to -50.0%)#**	**-26.7% (-28.0% to -25.3%)#**
	% change 2000-2017	**-32.2% (-35.1% to -29.1%)#**	**-44.7% (-47.5% to -41.7%)#**	**-47.6% (-49.9% to -45.0%)#**	**-52.1% (-54.5% to -49.4%)#**	**-41.4% (-42.7% to -40.1%)#**	**-33.9% (-35.0% to -32.9%)#**	**-23.9% (-25.2% to -22.5%)#**	**-41.0% (-43.2% to -38.3%)#**	**-44.3% (-46.4% to -41.9%)#**	**-42.5% (-44.4% to -40.3%)#**	**-28.1% (-29.2% to -26.9%)#**
Low SDI	Death #, 1990	1,048,756 (1,000,660 to 1,099,967)	499,125 (462,152 to 541,079)	1,407,561 (1,351,942 to 1,473,057)	1,649,664 (1,571,877 to 1,744,345)	294,379 (288,394 to 300,299)	134,914 (132,405 to 137,132)	173,480 (168,538 to 178,248)	2,955,442 (2,859,649 to 3,044,743)	4,605,107 (4,498,615 to 4,697,610)	5,207,880 (5,094,452 to 5,309,147)	308,395 (301,354 to 315,308)
	% of global total, 1990	34.5% (33.4% to 35.8%)	39.5% (37.6% to 41.4%)	36.5% (35.5% to 37.7%)	45.6% (44.3% to 47.2%)	34.5% (34.0% to 35.0%)	28.9% (28.5% to 29.3%)	25.7% (25.1% to 26.3%)	36.2% (35.4% to 37.0%)	39.1% (38.5% to 39.7%)	37.8% (37.2% to 38.4%)	27.0% (26.5% to 27.5%)
	Death #, 2000	1,047,243 (1,006,123 to 1,091,383)	377,909 (352,083 to 410,913)	1,312,429 (1,273,115 to 1,357,139)	1,433,329 (1,378,745 to 1,493,988)	269,317 (263,349 to 274,995)	152,533 (150,081 to 154,909)	192,073 (188,328 to 195,751)	2,737,581 (2,658,104 to 2,824,273)	4,170,910 (4,078,681 to 4,267,250)	4,784,833 (4,684,232 to 4,887,154)	344,605 (338,629 to 350,377)
	% of global total, 2000	38.2% (37.0% to 39.3%)	41.2% (39.3% to 43.4%)	42.4% (41.4% to 43.6%)	49.0% (47.7% to 50.2%)	38.3% (37.7% to 38.9%)	31.5% (31.1% to 31.9%)	28.3% (27.9% to 28.8%)	40.5% (39.6% to 41.4%)	43.1% (42.4% to 43.8%)	41.4% (40.8% to 42.1%)	29.6% (29.2% to 30.1%)
	Death #, 2017	799,558 (756,228 to 844,647)	216,363 (204,706 to 228,297)	764,529 (731,080 to 800,527)	697,767 (666,056 to 730,782)	170,474 (165,388 to 175,721)	116,484 (113,419 to 119,513)	164,477 (160,277 to 168,964)	1,780,450 (1,700,258 to 1,869,233)	2,478,217 (2,374,041 to 2,592,363)	2,929,653 (2,817,698 to 3,050,894)	280,962 (274,764 to 287,360)
	% of global total, 2017	43.0% (41.2% to 44.9%)	42.6% (40.9% to 44.5%)	47.2% (45.1% to 49.2%)	49.7% (47.4% to 52.1%)	41.4% (40.5% to 42.4%)	36.4% (35.7% to 37.2%)	31.8% (31.1% to 32.6%)	44.6% (42.8% to 46.4%)	46.0% (44.1% to 47.7%)	44.1% (42.5% to 45.6%)	33.6% (32.9% to 34.3%)
	% change 1990-2017	**-23.8% (-29.0% to -17.6%)#**	**-56.6% (-60.4% to -52.0%)#**	**-45.7% (-49.1% to -42.2%)#**	**-57.7% (-60.8% to -54.4%)#**	**-42.1% (-44.1% to -39.9%)#**	**-13.7% (-16.3% to -10.7%)#**	**-5.2% (-8.6% to -1.6%)#**	**-39.8% (-43.0% to -36.1%)#**	**-46.2% (-48.6% to -43.4%)#**	**-43.8% (-46.1% to -41.2%)#**	**-8.9% (-11.8% to -6.0%)#**
	% change 2000-2017	**-23.6% (-28.8% to -17.7%)#**	**-42.8% (-48.2% to -37.3%)#**	**-41.8% (-44.8% to -38.6%)#**	**-51.3% (-54.2% to -48.2%)#**	**-36.7% (-39.2% to -34.3%)#**	**-23.6% (-26.0% to -21.3%)#**	**-14.4% (-16.9% to -12.0%)#**	**-35.0% (-38.5% to -31.2%)#**	**-40.6% (-43.4% to -37.4%)#**	**-38.8% (-41.5% to -35.7%)#**	**-18.5% (-20.6% to -16.4%)#**
Low-middle SDI	Death #, 1990	1,050,591 (1,005,227 to 1,101,086)	420,295 (402,095 to 440,764)	1,231,685 (1,187,111 to 1,281,266)	1,241,777 (1,188,516 to 1,291,581)	252,941 (248,961 to 256,718)	135,510 (133,125 to 137,988)	191,154 (186,315 to 196,539)	2,702,571 (2,635,701 to 2,772,458)	3,944,348 (3,854,061 to 4,037,247)	4,523,953 (4,433,296 to 4,620,989)	326,664 (319,584 to 334,446)
	% of global total, 1990	34.6% (33.4% to 35.9%)	33.3% (31.9% to 34.8%)	31.9% (31.0% to 33.0%)	34.3% (33.0% to 35.6%)	29.6% (29.2% to 30.0%)	29.0% (28.6% to 29.5%)	28.4% (27.8% to 29.0%)	33.1% (32.5% to 33.9%)	33.5% (33.0% to 34.1%)	32.9% (32.4% to 33.5%)	28.6% (28.1% to 29.2%)
	Death #, 2000	1,027,894 (985,060 to 1,072,304)	337,892 (322,334 to 353,887)	1,103,094 (1,057,458 to 1,152,018)	1,111,181 (1,061,360 to 1,162,163)	226,250 (222,741 to 229,883)	145,940 (143,053 to 148,953)	207,612 (201,623 to 214,285)	2,468,880 (2,386,134 to 2,550,868)	3,580,061 (3,482,534 to 3,681,176)	4,159,863 (4,056,664 to 4,267,343)	353,552 (344,879 to 363,321)
	% of global total, 2000	37.5% (36.2% to 38.7%)	36.8% (35.0% to 38.4%)	35.7% (34.6% to 36.8%)	38.0% (36.6% to 39.3%)	32.2% (31.7% to 32.6%)	30.2% (29.7% to 30.6%)	30.6% (30.0% to 31.3%)	36.5% (35.6% to 37.5%)	37.0% (36.2% to 37.7%)	36.0% (35.4% to 36.7%)	30.4% (29.9% to 31.0%)
	Death #, 2017	741,928 (687,548 to 799,669)	201,579 (187,087 to 217,116)	598,744 (546,451 to 659,900)	556,133 (501,195 to 617,348)	143,064 (137,522 to 148,843)	109,895 (106,336 to 114,277)	171,571 (163,916 to 180,817)	1,542,251 (1,428,045 to 1,667,161)	2,098,384 (1,931,802 to 2,278,025)	2,522,915 (2,349,624 to 2,716,084)	281,467 (270,507 to 294,587)
	% of global total, 2017	39.9% (37.9% to 42.0%)	39.7% (37.7% to 41.8%)	36.9% (34.6% to 39.4%)	39.6% (36.9% to 42.2%)	34.7% (33.7% to 35.7%)	34.4% (33.6% to 35.3%)	33.2% (32.1% to 34.4%)	38.7% (36.7% to 40.7%)	38.9% (36.9% to 41.0%)	38.0% (36.2% to 39.8%)	33.7% (32.7% to 34.7%)
	% change 1990-2017	**-29.4% (-35.7% to -22.9%)#**	**-52.0% (-56.3% to -47.8%)#**	**-51.4% (-56.1% to -45.6%)#**	**-55.2% (-59.9% to -50.0%)#**	**-43.4% (-45.8% to -41.0%)#**	**-18.9% (-21.6% to -15.7%)#**	**-10.2% (-14.5% to -5.3%)#**	**-42.9% (-47.3% to -38.1%)#**	**-46.8% (-50.9% to -42.1%)#**	**-44.2% (-48.0% to -39.8%)#**	**-13.8% (-17.3% to -9.6%)#**
	% change 2000-2017	**-27.8% (-34.1% to -21.1%)#**	**-40.3% (-45.4% to -34.9%)#**	**-45.7% (-51.3% to -39.6%)#**	**-50.0% (-55.1% to -44.0%)#**	**-36.8% (-39.5% to -34.0%)#**	**-24.7% (-27.0% to -22.1%)#**	**-17.4% (-20.8% to -13.5%)#**	**-37.5% (-42.4% to -32.3%)#**	**-41.4% (-46.1% to -36.1%)#**	**-39.4% (-43.7% to -34.5%)#**	**-20.4% (-23.3% to -17.1%)#**
Middle SDI	Death #, 1990	628,643 (610,187 to 646,947)	238,799 (230,555 to 247,253)	868,238 (837,395 to 901,662)	537,299 (517,549 to 556,637)	202,488 (198,125 to 206,891)	121,109 (119,519 to 122,793)	173,289 (170,735 to 175,772)	1,735,679 (1,683,546 to 1,790,834)	2,272,978 (2,208,184 to 2,340,940)	2,769,865 (2,698,798 to 2,842,310)	294,398 (290,461 to 298,249)
	% of global total, 1990	20.7% (20.0% to 21.4%)	18.9% (18.1% to 19.8%)	22.5% (21.8% to 23.3%)	14.9% (14.2% to 15.4%)	23.7% (23.3% to 24.1%)	25.9% (25.6% to 26.3%)	25.7% (25.3% to 26.1%)	21.3% (20.7% to 21.9%)	19.3% (18.8% to 19.8%)	20.1% (19.6% to 20.6%)	25.8% (25.4% to 26.2%)
	Death #, 2000	462,225 (451,844 to 472,926)	139,884 (135,990 to 143,999)	493,464 (480,843 to 506,778)	278,288 (269,324 to 287,279)	141,272 (138,903 to 143,669)	117,620 (116,463 to 118,791)	157,626 (155,839 to 159,372)	1,095,573 (1,073,483 to 1,120,170)	1,373,862 (1,345,819 to 1,401,556)	1,790,380 (1,759,629 to 1,820,258)	275,246 (272,638 to 277,738)
	% of global total, 2000	16.9% (16.4% to 17.3%)	15.2% (14.6% to 15.9%)	16.0% (15.5% to 16.4%)	9.5% (9.1% to 9.9%)	20.1% (19.7% to 20.4%)	24.3% (24.0% to 24.6%)	23.2% (22.9% to 23.6%)	16.2% (15.8% to 16.6%)	14.2% (13.9% to 14.5%)	15.5% (15.2% to 15.8%)	23.7% (23.4% to 23.9%)
	Death #, 2017	222,226 (214,317 to 230,498)	60,514 (58,427 to 62,842)	183,100 (174,148 to 193,196)	104,767 (100,420 to 109,319)	68,791 (67,224 to 70,555)	64,108 (63,168 to 65,105)	116,098 (113,774 to 118,242)	465,841 (449,615 to 483,118)	570,608 (551,051 to 591,996)	819,604 (797,304 to 842,529)	180,206 (177,373 to 182,959)
	% of global total, 2017	11.9% (11.4% to 12.6%)	11.9% (11.3% to 12.5%)	11.3% (10.7% to 12.1%)	7.5% (7.0% to 7.9%)	16.7% (16.2% to 17.1%)	20.1% (19.6% to 20.5%)	22.5% (21.9% to 23.0%)	11.7% (11.2% to 12.2%)	10.6% (10.1% to 11.1%)	12.3% (11.9% to 12.8%)	21.6% (21.1% to 22.0%)
	% change 1990-2017	**-64.7% (-66.2% to -62.9%)#**	**-74.7% (-75.8% to -73.3%)#**	**-78.9% (-80.3% to -77.4%)#**	**-80.5% (-81.5% to -79.3%)#**	**-66.0% (-67.2% to -64.7%)#**	**-47.1% (-48.2% to -45.9%)#**	**-33.0% (-34.6% to -31.4%)#**	**-73.2% (-74.4% to -71.8%)#**	**-74.9% (-76.0% to -73.7%)#**	**-70.4% (-71.5% to -69.2%)#**	**-38.8% (-40.1% to -37.5%)#**
	% change 2000-2017	**-51.9% (-53.9% to -49.8%)#**	**-56.7% (-58.6% to -54.6%)#**	**-62.9% (-64.9% to -60.5%)#**	**-62.4% (-64.2% to -60.4%)#**	**-51.3% (-52.7% to -49.8%)#**	**-45.5% (-46.5% to -44.5%)#**	**-26.4% (-27.9% to -24.7%)#**	**-57.5% (-59.0% to -55.6%)#**	**-58.5% (-60.0% to -56.7%)#**	**-54.2% (-55.6% to -52.7%)#**	**-34.5% (-35.7% to -33.3%)#**
High-middle SDI	Death #, 1990	251,380 (243,625 to 259,229)	88,124 (85,426 to 91,122)	294,385 (285,064 to 304,510)	156,447 (149,526 to 163,923)	85,156 (83,615 to 86,820)	57,768 (57,072 to 58,454)	86,847 (85,614 to 88,149)	633,890 (616,360 to 653,955)	790,337 (768,924 to 813,197)	1,020,107 (996,550 to 1,045,005)	144,615 (142,872 to 146,484)
	% of global total, 1990	8.3% (8.0% to 8.6%)	7.0% (6.7% to 7.3%)	7.6% (7.3% to 7.9%)	4.3% (4.1% to 4.5%)	10.0% (9.8% to 10.2%)	12.4% (12.2% to 12.5%)	12.9% (12.7% to 13.1%)	7.8% (7.5% to 8.1%)	6.7% (6.5% to 6.9%)	7.4% (7.2% to 7.6%)	12.7% (12.5% to 12.9%)
	Death #, 2000	168,748 (163,067 to 174,696)	50,722 (48,938 to 52,476)	152,970 (147,699 to 158,189)	85,695 (81,187 to 90,292)	54,832 (53,762 to 55,920)	54,631 (53,990 to 55,338)	84,218 (83,489 to 85,016)	372,439 (361,974 to 383,119)	458,135 (445,459 to 471,978)	651,816 (637,814 to 666,613)	138,849 (137,574 to 140,224)
	% of global total, 2000	6.2% (5.9% to 6.4%)	5.5% (5.2% to 5.8%)	5.0% (4.8% to 5.1%)	2.9% (2.8% to 3.1%)	7.8% (7.6% to 8.0%)	11.3% (11.1% to 11.4%)	12.4% (12.2% to 12.6%)	5.5% (5.3% to 5.7%)	4.7% (4.6% to 4.9%)	5.7% (5.5% to 5.8%)	11.9% (11.8% to 12.1%)
	Death #, 2017	69,837 (66,696 to 73,005)	21,430 (20,560 to 22,308)	56,477 (53,589 to 59,480)	33,866 (32,037 to 35,979)	23,303 (22,679 to 23,920)	21,805 (21,438 to 22,160)	42,409 (41,619 to 43,208)	147,743 (141,663 to 153,908)	181,609 (174,033 to 188,764)	269,126 (260,627 to 277,283)	64,214 (63,108 to 65,265)
	% of global total, 2017	3.8% (3.5% to 4.0%)	4.2% (4.0% to 4.5%)	3.5% (3.3% to 3.7%)	2.4% (2.2% to 2.6%)	5.7% (5.5% to 5.8%)	6.8% (6.7% to 7.0%)	8.2% (8.0% to 8.4%)	3.7% (3.5% to 3.9%)	3.4% (3.2% to 3.5%)	4.0% (3.9% to 4.2%)	7.7% (7.5% to 7.8%)
	% change 1990-2017	**-72.2% (-73.7% to -70.7%)#**	**-75.7% (-76.9% to -74.4%)#**	**-80.8% (-82.0% to -79.6%)#**	**-78.3% (-79.8% to -76.8%)#**	**-72.6% (-73.4% to -71.9%)#**	**-62.2% (-63.0% to -61.5%)#**	**-51.2% (-52.3% to -50.0%)#**	**-76.7% (-77.8% to -75.5%)#**	**-77.0% (-78.1% to -76.0%)#**	**-73.6% (-74.6% to -72.7%)#**	**-55.6% (-56.5% to -54.7%)#**
	% change 2000-2017	**-58.6% (-60.7% to -56.2%)#**	**-57.8% (-59.9% to -55.5%)#**	**-63.1% (-65.3% to -60.6%)#**	**-60.5% (-63.4% to -57.4%)#**	**-57.5% (-58.8% to -56.2%)#**	**-60.1% (-60.9% to -59.3%)#**	**-49.6% (-50.8% to -48.6%)#**	**-60.3% (-62.2% to -58.4%)#**	**-60.4% (-62.2% to -58.5%)#**	**-58.7% (-60.2% to -57.2%)#**	**-53.8% (-54.7% to -52.8%)#**
High SDI	Death #, 1990	51,138 (50,076 to 52,156)	14,066 (13,636 to 14,520)	40,672 (39,568 to 41,787)	23,862 (23,087 to 24,712)	16,274 (15,946 to 16,603)	15,870 (15,745 to 15,997)	47,148 (47,037 to 47,267)	105,875 (104,730 to 107,028)	129,737 (128,508 to 131,047)	209,029 (207,361 to 210,885)	63,018 (62,791 to 63,243)
	% of global total, 1990	1.7% (1.6% to 1.7%)	1.1% (1.1% to 1.2%)	1.1% (1.0% to 1.1%)	0.7% (0.6% to 0.7%)	1.9% (1.9% to 1.9%)	3.4% (3.4% to 3.4%)	7.0% (6.9% to 7.1%)	1.3% (1.3% to 1.3%)	1.1% (1.1% to 1.1%)	1.5% (1.5% to 1.5%)	5.5% (5.5% to 5.6%)
	Death #, 2000	33,111 (32,535 to 33,688)	10,224 (9,938 to 10,536)	23,583 (22,957 to 24,177)	14,817 (14,389 to 15,295)	9,693 (9,641 to 9,746)	11,387 (11,347 to 11,430)	35,359 (35,294 to 35,431)	66,918 (66,183 to 67,627)	81,735 (81,099 to 82,476)	138,175 (137,405 to 138,996)	46,747 (46,647 to 46,849)
	% of global total, 2000	1.2% (1.2% to 1.2%)	1.1% (1.1% to 1.2%)	0.8% (0.7% to 0.8%)	0.5% (0.5% to 0.5%)	1.4% (1.4% to 1.4%)	2.4% (2.3% to 2.4%)	5.2% (5.2% to 5.3%)	1.0% (1.0% to 1.0%)	0.8% (0.8% to 0.9%)	1.2% (1.2% to 1.2%)	4.0% (4.0% to 4.1%)
	Death #, 2017	24,050 (23,335 to 24,802)	7,181 (6,937 to 7,450)	16,108 (15,624 to 16,662)	9,390 (9,153 to 9,642)	5,757 (5,681 to 5,836)	6,702 (6,640 to 6,765)	21,083 (20,783 to 21,392)	47,340 (45,953 to 48,790)	56,729 (55,145 to 58,397)	90,272 (88,442 to 92,159)	27,786 (27,447 to 28,137)
	% of global total, 2017	1.3% (1.2% to 1.4%)	1.4% (1.3% to 1.5%)	1.0% (0.9% to 1.1%)	0.7% (0.6% to 0.7%)	1.4% (1.4% to 1.4%)	2.1% (2.1% to 2.1%)	4.1% (4.0% to 4.2%)	1.2% (1.1% to 1.2%)	1.1% (1.0% to 1.1%)	1.4% (1.3% to 1.4%)	3.3% (3.2% to 3.4%)
	% change 1990-2017	**-53.0% (-54.6% to -51.1%)#**	**-48.9% (-51.3% to -46.3%)#**	**-60.4% (-62.1% to -58.8%)#**	**-60.6% (-62.1% to -58.9%)#**	**-64.6% (-65.4% to -63.8%)#**	**-57.8% (-58.3% to -57.3%)#**	**-55.3% (-55.9% to -54.6%)#**	**-55.3% (-56.6% to -53.9%)#**	**-56.3% (-57.5% to -54.9%)#**	**-56.8% (-57.7% to -55.9%)#**	**-55.9% (-56.5% to -55.3%)#**

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 2000-2017	**-27.4% (-29.9% to -24.9%)#**	**-29.8% (-33.1% to -26.3%)#**	**-31.7% (-34.3% to -28.8%)#**	**-36.6% (-39.1% to -34.0%)#**	**-40.6% (-41.5% to -39.8%)#**	**-41.1% (-41.8% to -40.5%)#**	**-40.4% (-41.2% to -39.5%)#**	**-29.3% (-31.5% to -27.0%)#**	**-30.6% (-32.6% to -28.5%)#**	**-34.7% (-36.0% to -33.3%)#**	**-40.6% (-41.3% to -39.8%)#**
Central Europe, Eastern Europe, and Central Asia	Death #, 1990	73,320 (70,988 to 76,027)	22,842 (21,899 to 23,766)	68,305 (65,811 to 70,674)	48,601 (46,244 to 51,144)	18,852 (18,564 to 19,150)	14,373 (14,260 to 14,490)	27,884 (27,808 to 27,961)	164,467 (160,702 to 168,521)	213,068 (208,102 to 218,152)	274,177 (268,776 to 279,621)	42,257 (42,077 to 42,444)
	% of global total, 1990	2.4% (2.3% to 2.5%)	1.8% (1.7% to 1.9%)	1.8% (1.7% to 1.8%)	1.3% (1.3% to 1.4%)	2.2% (2.2% to 2.2%)	3.1% (3.0% to 3.1%)	4.1% (4.1% to 4.2%)	2.0% (2.0% to 2.1%)	1.8% (1.8% to 1.9%)	2.0% (1.9% to 2.0%)	3.7% (3.7% to 3.7%)
	Death #, 2000	44,106 (42,514 to 45,682)	14,478 (13,823 to 15,186)	40,174 (38,550 to 41,775)	23,548 (22,314 to 24,859)	13,552 (13,299 to 13,814)	14,810 (14,695 to 14,929)	34,676 (34,578 to 34,777)	98,759 (95,336 to 101,977)	122,307 (118,279 to 126,282)	185,345 (180,920 to 189,738)	49,487 (49,287 to 49,689)
	% of global total, 2000	1.6% (1.5% to 1.7%)	1.6% (1.5% to 1.7%)	1.3% (1.2% to 1.4%)	0.8% (0.8% to 0.9%)	1.9% (1.9% to 2.0%)	3.1% (3.0% to 3.1%)	5.1% (5.0% to 5.2%)	1.5% (1.4% to 1.5%)	1.3% (1.2% to 1.3%)	1.6% (1.6% to 1.6%)	4.3% (4.2% to 4.3%)
	Death #, 2017	27,240 (25,556 to 29,234)	9,246 (8,595 to 10,039)	20,751 (19,368 to 22,432)	12,737 (11,939 to 13,688)	7,006 (6,766 to 7,284)	6,472 (6,349 to 6,612)	13,553 (13,327 to 13,797)	57,237 (53,584 to 61,476)	69,973 (65,596 to 75,050)	97,005 (92,307 to 102,471)	20,025 (19,710 to 20,372)
	% of global total, 2017	1.5% (1.4% to 1.6%)	1.8% (1.7% to 2.0%)	1.3% (1.2% to 1.4%)	0.9% (0.8% to 1.0%)	1.7% (1.6% to 1.8%)	2.0% (2.0% to 2.1%)	2.6% (2.6% to 2.7%)	1.4% (1.3% to 1.6%)	1.3% (1.2% to 1.4%)	1.5% (1.4% to 1.6%)	2.4% (2.3% to 2.5%)
	% change 1990-2017	**-62.9% (-65.5% to -59.7%)#**	**-59.5% (-62.9% to -55.7%)#**	**-69.6% (-72.0% to -66.9%)#**	**-73.8% (-75.8% to -71.5%)#**	**-62.8% (-64.2% to -61.2%)#**	**-55.0% (-55.9% to -53.9%)#**	**-51.4% (-52.2% to -50.5%)#**	**-65.2% (-67.6% to -62.4%)#**	**-67.2% (-69.4% to -64.7%)#**	**-64.6% (-66.5% to -62.5%)#**	**-52.6% (-53.4% to -51.7%)#**
	% change 2000-2017	**-38.2% (-42.7% to -33.4%)#**	**-36.1% (-41.4% to -30.6%)#**	**-48.4% (-52.2% to -43.8%)#**	**-45.9% (-50.1% to -41.0%)#**	**-48.3% (-50.1% to -46.1%)#**	**-56.3% (-57.1% to -55.3%)#**	**-60.9% (-61.5% to -60.2%)#**	**-42.0% (-46.0% to -37.3%)#**	**-42.8% (-46.6% to -38.4%)#**	**-47.7% (-50.4% to -44.6%)#**	**-59.5% (-60.2% to -58.8%)#**
Central Asia	Death #, 1990	33,981 (31,831 to 36,270)	10,759 (10,082 to 11,455)	39,803 (37,413 to 42,143)	28,368 (26,122 to 30,688)	5,928 (5,742 to 6,126)	3,828 (3,759 to 3,900)	5,430 (5,388 to 5,471)	84,543 (81,146 to 88,042)	112,911 (108,542 to 117,665)	128,097 (123,446 to 133,135)	9,258 (9,150 to 9,361)
	% of global total, 1990	1.1% (1.1% to 1.2%)	0.8% (0.8% to 0.9%)	1.0% (1.0% to 1.1%)	0.8% (0.7% to 0.8%)	0.7% (0.7% to 0.7%)	0.8% (0.8% to 0.8%)	0.8% (0.8% to 0.8%)	1.0% (1.0% to 1.1%)	1.0% (0.9% to 1.0%)	0.9% (0.9% to 1.0%)	0.8% (0.8% to 0.8%)
	Death #, 2000	23,081 (21,548 to 24,597)	7,851 (7,246 to 8,536)	25,837 (24,269 to 27,418)	14,223 (13,046 to 15,470)	6,032 (5,781 to 6,281)	4,728 (4,615 to 4,840)	6,412 (6,323 to 6,505)	56,769 (53,492 to 59,968)	70,992 (67,035 to 74,911)	88,165 (83,812 to 92,378)	11,140 (10,945 to 11,329)
	% of global total, 2000	0.8% (0.8% to 0.9%)	0.9% (0.8% to 0.9%)	0.8% (0.8% to 0.9%)	0.5% (0.4% to 0.5%)	0.9% (0.8% to 0.9%)	1.0% (0.9% to 1.0%)	0.9% (0.9% to 1.0%)	0.8% (0.8% to 0.9%)	0.7% (0.7% to 0.8%)	0.8% (0.7% to 0.8%)	1.0% (0.9% to 1.0%)
	Death #, 2017	17,873 (16,199 to 19,838)	5,966 (5,350 to 6,701)	14,331 (12,948 to 15,974)	8,013 (7,227 to 8,961)	3,714 (3,480 to 3,994)	2,823 (2,704 to 2,954)	4,614 (4,404 to 4,855)	38,171 (34,528 to 42,400)	46,184 (41,881 to 51,176)	57,335 (52,672 to 62,768)	7,437 (7,138 to 7,773)
	% of global total, 2017	1.0% (0.9% to 1.1%)	1.2% (1.1% to 1.3%)	0.9% (0.8% to 1.0%)	0.6% (0.5% to 0.6%)	0.9% (0.8% to 1.0%)	0.9% (0.8% to 0.9%)	0.9% (0.8% to 0.9%)	1.0% (0.9% to 1.1%)	0.9% (0.8% to 0.9%)	0.9% (0.8% to 0.9%)	0.9% (0.8% to 0.9%)
	% change 1990-2017	**-47.4% (-53.4% to -40.3%)#**	**-44.5% (-51.1% to -37.2%)#**	**-64.0% (-67.9% to -59.3%)#**	**-71.8% (-75.1% to -68.0%)#**	**-37.4% (-41.8% to -32.1%)#**	**-26.2% (-29.7% to -22.6%)#**	**-15.0% (-19.0% to -10.6%)#**	**-54.9% (-59.5% to -49.5%)#**	**-59.1% (-63.2% to -54.5%)#**	**-55.2% (-59.2% to -50.7%)#**	**-19.7% (-23.0% to -15.8%)#**
	% change 2000-2017	**-22.6% (-31.2% to -12.2%)#**	**-24.0% (-33.2% to -14.0%)#**	**-44.5% (-50.7% to -37.4%)#**	**-43.7% (-50.6% to -35.6%)#**	**-38.4% (-42.7% to -33.4%)#**	**-40.3% (-43.0% to -37.1%)#**	**-28.0% (-31.4% to -24.3%)#**	**-32.8% (-40.0% to -24.4%)#**	**-34.9% (-41.7% to -27.3%)#**	**-35.0% (-40.9% to -28.2%)#**	**-33.2% (-36.1% to -30.2%)#**
Armenia	Death #, 1990	1,229 (934 to 1,580)	381 (351 to 413)	1,390 (1,239 to 1,561)	374 (275 to 485)	185 (172 to 200)	112 (107 to 117)	164 (159 to 169)	3,001 (2,635 to 3,390)	3,375 (3,036 to 3,754)	3,836 (3,476 to 4,239)	276 (267 to 285)
	Death #, 2000	479 (380 to 575)	116 (99 to 135)	422 (361 to 485)	132 (92 to 183)	77 (70 to 84)	79 (75 to 83)	141 (139 to 144)	1,018 (921 to 1,121)	1,150 (1,022 to 1,281)	1,447 (1,307 to 1,591)	220 (215 to 226)
	Death #, 2017	160 (143 to 178)	48 (42 to 55)	101 (89 to 114)	59 (43 to 78)	45 (42 to 49)	34 (33 to 36)	67 (65 to 69)	308 (277 to 342)	367 (331 to 408)	514 (472 to 560)	101 (98 to 105)
	% change 1990-2017	**-87.0% (-90.1% to -82.6%)#**	**-87.5% (-89.4% to -85.2%)#**	**-92.8% (-94.0% to -91.2%)#**	**-84.3% (-90.8% to -72.7%)#**	**-75.5% (-78.0% to -73.0%)#**	**-69.1% (-70.9% to -67.2%)#**	**-59.3% (-61.2% to -57.4%)#**	**-89.7% (-91.4% to -87.8%)#**	**-89.1% (-90.6% to -87.4%)#**	**-86.6% (-88.2% to -84.8%)#**	**-63.3% (-64.9% to -61.5%)#**
	% change 2000-2017	**-66.6% (-73.0% to -56.9%)#**	**-59.0% (-66.3% to -49.2%)#**	**-76.2% (-80.0% to -71.2%)#**	**-55.5% (-71.7% to -26.7%)#**	**-41.1% (-47.6% to -33.8%)#**	**-56.4% (-59.2% to -53.4%)#**	**-52.7% (-54.6% to -50.9%)#**	**-69.7% (-73.7% to -65.2%)#**	**-68.1% (-72.6% to -62.8%)#**	**-64.5% (-68.8% to -59.6%)#**	**-54.0% (-56.1% to -52.0%)#**
Azerbaijan	Death #, 1990	4,200 (3,543 to 4,951)	1,691 (1,439 to 1,989)	6,250 (5,310 to 7,289)	2,600 (2,203 to 3,018)	701 (647 to 761)	351 (335 to 368)	578 (554 to 602)	12,141 (10,939 to 13,639)	14,740 (13,236 to 16,563)	16,370 (14,784 to 18,261)	928 (892 to 965)
	Death #, 2000	3,056 (2,567 to 3,589)	1,016 (835 to 1,217)	3,216 (2,767 to 3,737)	1,337 (1,048 to 1,694)	1,092 (1,005 to 1,185)	515 (492 to 540)	560 (539 to 585)	7,288 (6,418 to 8,285)	8,625 (7,621 to 9,755)	10,793 (9,683 to 12,019)	1,076 (1,035 to 1,120)
	Death #, 2017	2,668 (2,027 to 3,477)	742 (570 to 959)	1,824 (1,409 to 2,339)	749 (591 to 939)	487 (430 to 551)	265 (244 to 286)	429 (398 to 462)	5,233 (4,008 to 6,769)	5,982 (4,599 to 7,713)	7,163 (5,692 to 8,980)	694 (643 to 743)
	% change 1990-2017	**-36.5% (-54.5% to -11.9%)#**	**-56.1% (-67.6% to -40.4%)#**	**-70.8% (-78.5% to -60.4%)#**	**-71.2% (-78.3% to -61.9%)#**	**-30.6% (-40.4% to -19.6%)#**	**-24.5% (-31.1% to -17.6%)#**	**-25.8% (-31.8% to -18.8%)#**	**-56.9% (-68.1% to -43.0%)#**	**-59.4% (-69.8% to -46.9%)#**	**-56.2% (-66.4% to -44.4%)#**	**-25.3% (-31.2% to -19.0%)#**
	% change 2000-2017	-12.7% (-38.5% to 18.4%)	**-27.0% (-47.1% to -0.9%)#**	**-43.3% (-57.5% to -23.4%)#**	**-44.0% (-59.1% to -22.5%)#**	**-55.5% (-61.6% to -48.1%)#**	**-48.6% (-53.3% to -43.9%)#**	**-23.5% (-29.8% to -17.1%)#**	**-28.2% (-47.2% to -4.6%)#**	**-30.6% (-48.3% to -8.2%)#**	**-39.0% (-48.3% to -14.8%)#**	**-35.5% (-40.8% to -30.5%)#**
Georgia	Death #, 1990	1,623 (1,390 to 1,874)	254 (208 to 310)	1,329 (1,113 to 1,585)	406 (293 to 534)	250 (231 to 270)	178 (169 to 186)	278 (266 to 291)	3,207 (2,855 to 3,617)	3,612 (3,205 to 4,084)	4,318 (3,895 to 4,816)	456 (437 to 475)
	Death #, 2000	927 (784 to 1,097)	190 (155 to 228)	575 (490 to 680)	208 (165 to 257)	106 (98 to 115)	92 (88 to 96)	165 (159 to 172)	1,691 (1,481 to 1,950)	1,900 (1,667 to 2,169)	2,263 (2,017 to 2,549)	257 (247 to 267)
	Death #, 2017	220 (177 to 276)	98 (78 to 123)	150 (120 to 188)	82 (58 to 116)	57 (50 to 66)	55 (51 to 60)	119 (114 to 123)	467 (375 to 587)	549 (441 to 689)	780 (658 to 935)	174 (165 to 182)
	% change 1990-2017	**-86.5% (-90.0% to -81.5%)#**	**-61.5% (-70.5% to -51.0%)#**	**-88.7% (-91.3% to -85.4%)#**	**-79.8% (-87.3% to -68.4%)#**	**-77.0% (-80.6% to -72.8%)#**	**-68.9% (-71.9% to -65.9%)#**	**-57.3% (-59.8% to -54.9%)#**	**-85.4% (-88.8% to -81.2%)#**	**-84.8% (-88.0% to -80.6%)#**	**-81.9% (-85.1% to -78.0%)#**	**-61.9% (-64.2% to -59.4%)#**
	% change 2000-2017	**-76.3% (-82.4% to -68.7%)#**	**-48.4% (-60.2% to -31.2%)#**	**-74.0% (-79.5% to -66.1%)#**	**-60.7% (-74.8% to -38.0%)#**	**-45.7% (-54.1% to -36.6%)#**	**-40.0% (-45.4% to -34.2%)#**	**-28.1% (-31.9% to -24.2%)#**	**-72.4% (-78.6% to -64.5%)#**	**-71.1% (-77.4% to -63.1%)#**	**-65.5% (-71.5% to -58.0%)#**	**-32.4% (-36.3% to -28.2%)#**
Kazakhstan	Death #, 1990	4,905 (4,321 to 5,497)	1,617 (1,363 to 1,923)	4,673 (4,085 to 5,380)	3,424 (2,715 to 4,219)	1,162 (1,081 to 1,252)	868 (834 to 903)	1,421 (1,404 to 1,439)	11,196 (10,275 to 12,209)	14,620 (13,347 to 16,031)	18,071 (16,661 to 19,629)	2,289 (2,239 to 2,343)
	Death #, 2000	2,987 (2,623 to 3,407)	880 (757 to 1,011)	2,473 (2,173 to 2,807)	1,529 (1,282 to 1,808)	889 (810 to 979)	856 (815 to 902)	1,562 (1,540 to 1,587)	6,341 (5,623 to 7,128)	7,869 (7,034 to 8,823)	11,176 (10,213 to 12,290)	2,418 (2,356 to 2,488)
	Death #, 2017	1,702 (1,203 to 2,320)	764 (595 to 987)	1,604 (1,212 to 2,085)	1,087 (754 to 1,520)	528 (456 to 619)	411 (380 to 448)	720 (687 to 759)	4,070 (3,195 to 5,225)	5,157 (4,108 to 6,558)	6,816 (5,656 to 8,363)	1,132 (1,073 to 1,197)
	% change 1990-2017	**-65.3% (-76.0% to -51.1%)#**	**-52.7% (-64.9% to -37.2%)#**	**-65.7% (-74.9% to -52.9%)#**	**-68.2% (-79.4% to -52.7%)#**	**-54.6% (-61.5% to -46.3%)#**	**-52.6% (-56.7% to -48.0%)#**	**-49.3% (-51.8% to -46.6%)#**	**-63.6% (-72.0% to -52.9%)#**	**-64.7% (-72.3% to -54.6%)#**	**-62.3% (-69.2% to -53.2%)#**	**-50.6% (-53.3% to -47.5%)#**
	% change 2000-2017	**-43.0% (-60.1% to -19.6%)#**	-13.2% (-33.0% to 13.0%)	**-35.2% (-52.6% to -12.4%)#**	-28.9% (-50.7% to 1.4%)	**-40.6% (-49.2% to -29.8%)#**	**-52.0% (-55.9% to -47.2%)#**	**-53.9% (-56.0% to -51.4%)#**	**-35.8% (-50.2% to -16.3%)#**	**-34.5% (-47.6% to -15.7%)#**	**-39.0% (-49.2% to -24.6%)#**	**-53.2% (-55.7% to -50.1%)#**
Kyrgyzstan	Death #, 1990	3,071 (2,598 to 3,592)	887 (714 to 1,076)	2,487 (2,019 to 3,037)	1,709 (1,324 to 2,172)	428 (400 to 459)	290 (278 to 303)	403 (385 to 421)	6,445 (5,731 to 7,255)	8,154 (7,455 to 8,960)	9,275 (8,527 to 10,131)	693 (665 to 721)
	Death #, 2000	1,735 (1,426 to 2,114)	535 (420 to 688)	1,964 (1,655 to 2,275)	849 (644 to 1,070)	363 (335 to 394)	308 (294 to 324)	418 (401 to 438)	4,234 (3,655 to 4,870)	5,083 (4,559 to 5,665)	6,172 (5,610 to 6,810)	726 (699 to 760)
	Death #, 2017	1,837 (1,660 to 2,028)	264 (210 to 322)	654 (593 to 718)	495 (361 to 675)	193 (183 to 204)	198 (192 to 204)	278 (271 to 285)	2,754 (2,482 to 3,048)	3,250 (2,968 to 3,565)	3,918 (3,626 to 4,249)	476 (464 to 487)
	% change 1990-2017	**-40.2% (-50.4% to -26.9%)#**	**-70.3% (-78.7% to -59.3%)#**	**-73.7% (-79.2% to -66.8%)#**	**-71.0% (-80.9% to -55.8%)#**	**-55.0% (-58.9% to -50.6%)#**	**-31.7% (-35.1% to -28.1%)#**	**-31.0% (-34.5% to -27.4%)#**	**-57.3% (-64.1% to -49.5%)#**	**-60.1% (-65.0% to -54.0%)#**	**-57.8% (-62.5% to -52.1%)#**	**-31.3% (-34.5% to -27.9%)#**
	% change 2000-2017	5.9% (-16.1% to 33.1%)	**-50.7% (-66.4% to -28.7%)#**	**-66.7% (-72.5% to -59.7%)#**	**-41.6% (-63.6% to -7.6%)#**	**-46.9% (-52.0% to -41.6%)#**	**-35.6% (-39.4% to -32.0%)#**	**-33.6% (-37.1% to -30.2%)#**	**-35.0% (-46.4% to -21.2%)#**	**-36.1% (-44.8% to -26.3%)#**	**-36.5% (-44.4% to -28.1%)#**	**-34.5% (-37.8% to -31.3%)#**
	Death #, 1990	1,635 (1,308 to 2,005)	395 (329 to 465)	2,552 (2,147 to 2,948)	2,121 (1,742 to 2,570)	264 (247 to 282)	152 (146 to 158)	245 (236 to 255)	4,582 (3,955 to 5,218)	6,703 (6,150 to 7,346)	7,364 (6,785 to 8,034)	397 (382 to 413)
	Death #, 2000	1,089 (969 to 1,233)	240 (209 to 274)	1,465 (1,317 to 1,619)	779 (621 to 948)	189 (177 to 203)	188 (181 to 196)	232 (224 to 239)	2,794 (2,539 to 3,075)	3,573 (3,260 to 3,897)	4,182 (3,846 to 4,529)	420 (406 to 433)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Mongolia	Death #, 2017	909 (743 to 1,083)	210 (168 to 261)	599 (494 to 727)	327 (191 to 537)	143 (125 to 165)	112 (102 to 122)	161 (147 to 175)	1,719 (1,463 to 2,003)	2,046 (1,685 to 2,476)	2,461 (2,067 to 2,919)	272 (250 to 296)
	% change 1990-2017	**-44.4% (-60.2% to -21.8%)#**	**-46.8% (-61.9% to -27.3%)#**	**-76.5% (-82.3% to -68.7%)#**	**-84.6% (-91.3% to -74.0%)#**	**-45.9% (-53.6% to -36.7%)#**	**-26.4% (-33.1% to -18.8%)#**	**-34.4% (-40.7% to -28.0%)#**	**-62.5% (-69.3% to -53.2%)#**	**-69.5% (-75.1% to -62.5%)#**	**-66.6% (-72.2% to -59.5%)#**	**-31.4% (-37.5% to -25.0%)#**
	% change 2000-2017	-16.5% (-37.6% to 6.8%)	-12.5% (-34.0% to 14.5%)	**-59.1% (-67.2% to -47.9%)#**	**-58.0% (-76.2% to -30.7%)#**	**-24.7% (-35.5% to -12.0%)#**	**-40.7% (-46.1% to -34.7%)#**	**-30.6% (-37.0% to -24.0%)#**	**-38.5% (-48.8% to -25.6%)#**	**-42.8% (-54.0% to -29.6%)#**	**-41.2% (-51.5% to -29.3%)#**	**-35.1% (-40.8% to -29.3%)#**
Tajikistan	Death #, 1990	3,998 (2,901 to 5,321)	1,249 (1,016 to 1,497)	6,203 (4,976 to 7,337)	5,508 (4,724 to 6,394)	655 (609 to 705)	347 (334 to 363)	418 (408 to 429)	11,450 (10,202 to 12,787)	16,958 (15,413 to 18,681)	18,378 (16,768 to 20,176)	766 (744 to 791)
	Death #, 2000	3,351 (2,851 to 3,953)	975 (826 to 1,144)	4,914 (4,287 to 5,606)	2,969 (2,419 to 3,572)	711 (658 to 764)	482 (462 to 504)	559 (537 to 580)	9,241 (8,194 to 10,470)	12,210 (10,948 to 13,597)	13,961 (12,632 to 15,429)	1,041 (1,002 to 1,082)
	Death #, 2017	4,041 (3,277 to 5,037)	1,092 (882 to 1,365)	4,140 (3,350 to 5,140)	2,070 (1,687 to 2,545)	630 (553 to 725)	431 (393 to 468)	666 (636 to 706)	9,273 (7,516 to 11,535)	11,343 (9,181 to 14,078)	13,070 (10,812 to 15,912)	1,098 (1,037 to 1,165)
	% change 1990-2017	1.1% (-29.1% to 50.0%)	-12.6% (-33.5% to 16.6%)	**-33.3% (-49.3% to -11.7%)#**	**-62.4% (-70.3% to -51.9%)#**	-3.8% (-17.7% to 12.7%)	**24.2% (12.3% to 35.9%)#**	**59.2% (50.5% to 68.7%)#**	-19.0% (-35.6% to 3.4%)	**-33.1% (-46.3% to -15.7%)#**	**-28.9% (-41.6% to -12.0%)#**	**43.3% (34.1% to 53.0%)#**
	% change 2000-2017	20.6% (-7.0% to 57.2%)	12.0% (-12.8% to 43.5%)	-15.8% (-34.1% to 7.3%)	**-30.3% (-46.3% to -8.6%)#**	-11.4% (-24.0% to 3.7%)	**-10.4% (-19.2% to -2.0%)#**	**19.1% (12.0% to 26.9%)#**	0.3% (-21.1% to 27.0%)	-7.1% (-25.6% to 16.7%)	-6.4% (-23.6% to 15.5%)	5.4% (-1.5% to 12.7%)
Turkmenistan	Death #, 1990	2,879 (2,553 to 3,197)	815 (690 to 951)	2,263 (1,904 to 2,636)	2,746 (2,127 to 3,437)	367 (334 to 402)	228 (217 to 239)	341 (335 to 346)	5,957 (5,286 to 6,648)	8,703 (7,730 to 9,726)	9,639 (8,618 to 10,716)	569 (552 to 585)
	Death #, 2000	2,222 (1,878 to 2,615)	654 (535 to 777)	1,998 (1,668 to 2,391)	1,461 (1,133 to 1,825)	326 (299 to 357)	292 (278 to 307)	427 (420 to 434)	4,874 (4,148 to 5,694)	6,334 (5,532 to 7,239)	7,380 (6,532 to 8,323)	720 (698 to 741)
	Death #, 2017	1,169 (885 to 1,518)	332 (246 to 440)	809 (606 to 1,061)	524 (392 to 687)	177 (157 to 201)	150 (140 to 163)	295 (274 to 318)	2,310 (1,736 to 3,019)	2,834 (2,129 to 3,716)	3,457 (2,729 to 4,388)	445 (417 to 478)
	% change 1990-2017	**-59.4% (-69.5% to -46.7%)#**	**-59.2% (-71.0% to -43.3%)#**	**-64.2% (-74.1% to -51.2%)#**	**-80.9% (-86.9% to -72.6%)#**	**-51.7% (-58.7% to -43.3%)#**	**-34.2% (-40.0% to -28.1%)#**	**-13.3% (-19.3% to -6.7%)#**	**-61.2% (-71.2% to -48.2%)#**	**-67.4% (-76.0% to -56.1%)#**	**-64.1% (-72.4% to -53.3%)#**	**-21.7% (-27.2% to -15.6%)#**
	% change 2000-2017	**-47.4% (-61.6% to -28.3%)#**	**-49.2% (-63.6% to -30.6%)#**	**-59.5% (-71.1% to -44.4%)#**	**-64.1% (-74.9% to -49.6%)#**	**-45.7% (-53.0% to -36.5%)#**	**-48.7% (-53.0% to -43.3%)#**	**-30.9% (-35.8% to -25.3%)#**	**-52.6% (-65.0% to -35.2%)#**	**-55.2% (-67.0% to -39.9%)#**	**-53.1% (-63.7% to -39.4%)#**	**-38.1% (-42.4% to -33.0%)#**
Uzbekistan	Death #, 1990	10,441 (9,133 to 11,928)	3,470 (3,056 to 3,931)	12,655 (11,262 to 14,092)	9,479 (7,821 to 11,366)	1,917 (1,781 to 2,075)	1,303 (1,253 to 1,359)	1,581 (1,561 to 1,602)	26,566 (24,470 to 28,790)	36,045 (32,910 to 39,663)	40,847 (37,500 to 44,692)	2,884 (2,814 to 2,963)
	Death #, 2000	7,236 (6,166 to 8,455)	3,244 (2,742 to 3,868)	8,809 (7,616 to 10,191)	4,960 (4,068 to 5,924)	2,279 (2,084 to 2,498)	1,916 (1,823 to 2,023)	2,347 (2,268 to 2,429)	19,289 (16,652 to 22,264)	24,249 (21,211 to 27,849)	30,791 (27,426 to 34,777)	4,262 (4,107 to 4,429)
	Death #, 2017	5,168 (4,192 to 6,493)	2,416 (1,974 to 3,020)	4,452 (3,650 to 5,554)	2,619 (2,153 to 3,245)	1,454 (1,266 to 1,701)	1,166 (1,057 to 1,289)	1,879 (1,683 to 2,096)	12,036 (9,817 to 15,067)	14,656 (11,978 to 18,328)	19,156 (16,110 to 23,155)	3,046 (2,772 to 3,353)
	% change 1990-2017	**-50.5% (-61.8% to -34.6%)#**	**-30.4% (-45.0% to -10.7%)#**	**-64.8% (-72.2% to -55.2%)#**	**-72.4% (-78.9% to -63.6%)#**	**-24.1% (-35.3% to -10.4%)#**	**-10.5% (-19.5% to -0.9%)#**	**18.9% (6.1% to 32.8%)#**	**-54.7% (-63.7% to -41.5%)#**	**-59.3% (-67.6% to -48.1%)#**	**-53.1% (-61.6% to -42.4%)#**	5.6% (-4.6% to 16.6%)
	% change 2000-2017	**-28.6% (-43.9% to -4.8%)#**	**-25.5% (-41.8% to -3.6%)#**	**-49.5% (-60.3% to -35.6%)#**	**-47.2% (-59.2% to -32.5%)#**	**-36.2% (-45.0% to -25.1%)#**	**-39.1% (-44.9% to -32.5%)#**	**-19.9% (-28.4% to -10.3%)#**	**-37.6% (-50.8% to -19.9%)#**	**-39.6% (-51.9% to -22.8%)#**	**-37.8% (-48.5% to -23.4%)#**	**-28.6% (-35.7% to -20.9%)#**
Central Europe	Death #, 1990	13,840 (13,233 to 14,499)	4,577 (4,293 to 4,848)	12,817 (12,332 to 13,288)	6,746 (6,355 to 7,152)	3,453 (3,421 to 3,483)	3,267 (3,253 to 3,283)	6,226 (6,211 to 6,240)	31,234 (30,709 to 31,724)	37,980 (37,505 to 38,461)	50,925 (50,405 to 51,453)	9,493 (9,467 to 9,519)
	% of global total, 1990	0.5% (0.4% to 0.5%)	0.4% (0.3% to 0.4%)	0.3% (0.3% to 0.3%)	0.2% (0.2% to 0.2%)	0.4% (0.4% to 0.4%)	0.7% (0.7% to 0.7%)	0.9% (0.9% to 0.9%)	0.4% (0.4% to 0.4%)	0.3% (0.3% to 0.3%)	0.4% (0.4% to 0.4%)	0.8% (0.8% to 0.8%)
	Death #, 2000	6,097 (5,824 to 6,386)	2,303 (2,154 to 2,462)	5,437 (5,135 to 5,715)	2,603 (2,455 to 2,755)	1,951 (1,919 to 1,983)	2,515 (2,496 to 2,536)	4,963 (4,941 to 4,984)	13,836 (13,491 to 14,181)	16,440 (16,041 to 16,850)	25,869 (25,417 to 26,348)	7,478 (7,441 to 7,518)
	% of global total, 2000	0.2% (0.2% to 0.2%)	0.2% (0.2% to 0.3%)	0.2% (0.2% to 0.2%)	0.1% (0.1% to 0.1%)	0.3% (0.3% to 0.3%)	0.5% (0.5% to 0.5%)	0.7% (0.7% to 0.7%)	0.2% (0.2% to 0.2%)	0.2% (0.2% to 0.2%)	0.2% (0.2% to 0.2%)	0.6% (0.6% to 0.7%)
	Death #, 2017	2,304 (2,087 to 2,539)	1,058 (970 to 1,154)	1,763 (1,616 to 1,913)	964 (906 to 1,029)	694 (670 to 719)	815 (796 to 832)	2,022 (1,975 to 2,069)	5,124 (4,709 to 5,591)	6,088 (5,627 to 6,597)	9,618 (9,100 to 10,182)	2,837 (2,774 to 2,897)
	% of global total, 2017	0.1% (0.1% to 0.1%)	0.2% (0.2% to 0.2%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.2% (0.2% to 0.2%)	0.2% (0.2% to 0.3%)	0.4% (0.4% to 0.4%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.3% (0.3% to 0.3%)
	% change 1990-2017	**-83.4% (-85.2% to -81.4%)#**	**-76.9% (-79.3% to -74.4%)#**	**-86.2% (-87.5% to -84.9%)#**	**-85.7% (-86.9% to -84.5%)#**	**-79.9% (-80.6% to -79.2%)#**	**-75.1% (-75.6% to -74.5%)#**	**-67.5% (-68.3% to -66.8%)#**	**-83.6% (-85.0% to -82.1%)#**	**-84.0% (-85.3% to -82.7%)#**	**-81.1% (-82.2% to -80.0%)#**	**-70.1% (-70.8% to -69.5%)#**
	% change 2000-2017	**-62.2% (-66.2% to -57.9%)#**	**-54.1% (-58.6% to -49.0%)#**	**-67.6% (-70.8% to -64.2%)#**	**-63.0% (-65.9% to -59.8%)#**	**-64.4% (-65.7% to -63.0%)#**	**-67.6% (-68.4% to -66.9%)#**	**-59.2% (-60.2% to -58.3%)#**	**-63.0% (-66.0% to -59.5%)#**	**-63.0% (-65.8% to -59.8%)#**	**-62.8% (-64.8% to -60.6%)#**	**-62.1% (-63.0% to -61.2%)#**
Albania	Death #, 1990	1,021 (808 to 1,246)	197 (159 to 241)	1,395 (1,181 to 1,636)	855 (753 to 968)	250 (232 to 268)	157 (150 to 163)	196 (193 to 199)	2,614 (2,367 to 2,868)	3,469 (3,157 to 3,806)	4,070 (3,731 to 4,432)	352 (343 to 360)
	Death #, 2000	623 (495 to 754)	129 (99 to 166)	685 (548 to 848)	278 (220 to 346)	226 (207 to 246)	144 (136 to 151)	187 (178 to 197)	1,437 (1,289 to 1,598)	1,715 (1,511 to 1,922)	2,272 (2,041 to 2,507)	331 (316 to 347)
	Death #, 2017	192 (129 to 279)	59 (38 to 88)	141 (92 to 209)	73 (52 to 99)	49 (42 to 57)	44 (39 to 50)	92 (77 to 110)	392 (277 to 546)	465 (331 to 644)	651 (502 to 839)	137 (117 to 160)
	% change 1990-2017	**-81.2% (-88.2% to -69.6%)#**	**-70.0% (-82.1% to -51.0%)#**	**-89.9% (-94.0% to -83.9%)#**	**-91.5% (-94.0% to -88.5%)#**	**-80.3% (-83.3% to -76.8%)#**	**-71.7% (-74.8% to -68.0%)#**	**-52.8% (-60.7% to -43.8%)#**	**-85.0% (-89.5% to -79.1%)#**	**-86.6% (-90.5% to -81.4%)#**	**-84.0% (-87.8% to -79.0%)#**	**-61.2% (-66.8% to -54.9%)#**
	% change 2000-2017	**-69.2% (-80.5% to -52.1%)#**	**-54.2% (-71.9% to -28.0%)#**	**-79.4% (-87.2% to -68.6%)#**	**-73.9% (-82.1% to -62.2%)#**	**-78.2% (-81.7% to -74.2%)#**	**-69.1% (-73.0% to -65.3%)#**	**-50.7% (-59.4% to -40.6%)#**	**-72.7% (-81.2% to -62.1%)#**	**-72.9% (-81.2% to -62.1%)#**	**-71.4% (-78.3% to -62.8%)#**	**-58.7% (-64.9% to -51.3%)#**
Bosnia	Death #, 1990	683 (646 to 723)	143 (127 to 160)	158 (137 to 181)	121 (101 to 145)	91 (87 to 94)	78 (77 to 80)	140 (138 to 141)	985 (934 to 1,038)	1,106 (1,050 to 1,164)	1,415 (1,354 to 1,479)	218 (215 to 221)
	Death #, 2000	223 (198 to 248)	96 (83 to 109)	64 (55 to 74)	71 (50 to 97)	44 (42 to 46)	56 (53 to 59)	123 (112 to 134)	383 (350 to 417)	454 (425 to 483)	677 (641 to 713)	179 (166 to 193)
	Death #, 2017	46 (39 to 54)	95 (81 to 111)	18 (15 to 21)	24 (21 to 28)	23 (21 to 26)	25 (24 to 27)	72 (68 to 77)	159 (135 to 186)	183 (156 to 213)	304 (273 to 340)	98 (92 to 103)
	% change 1990-2017	**-93.3% (-94.3% to -92.1%)#**	**-33.8% (-44.5% to -19.5%)#**	**-88.5% (-90.5% to -86.0%)#**	**-80.4% (-84.1% to -75.6%)#**	**-74.1% (-76.8% to -70.8%)#**	**-67.7% (-69.6% to -65.4%)#**	**-48.1% (-51.3% to -44.9%)#**	**-83.9% (-86.1% to -81.0%)#**	**-83.5% (-85.8% to -80.8%)#**	**-78.5% (-80.8% to -75.8%)#**	**-55.2% (-57.6% to -52.5%)#**
	% change 2000-2017	**-79.4% (-83.1% to -74.9%)#**	-0.9% (-19.4% to 22.0%)	**-71.8% (-77.4% to -64.5%)#**	**-66.4% (-75.5% to -51.4%)#**	**-46.7% (-52.6% to -39.5%)#**	**-54.9% (-58.2% to -50.8%)#**	**-41.2% (-47.5% to -34.0%)#**	**-58.5% (-65.3% to -50.1%)#**	**-59.8% (-65.9% to -52.3%)#**	**-55.1% (-60.1% to -49.0%)#**	**-45.5% (-50.8% to -39.8%)#**
Bulgaria	Death #, 1990	548 (475 to 620)	269 (234 to 310)	689 (623 to 758)	438 (377 to 501)	220 (214 to 227)	251 (247 to 255)	452 (448 to 456)	1506 (1428 to 1585)	1944 (1871 to 2018)	2867 (2781 to 2954)	703 (695 to 710)
	Death #, 2000	351 (310 to 397)	183 (158 to 210)	445 (405 to 487)	206 (181 to 231)	131 (127 to 136)	145 (142 to 148)	336 (333 to 339)	980 (922 to 1036)	1186 (1130 to 1245)	1799 (1733 to 1869)	481 (476 to 487)
	Death #, 2017	161 (124 to 207)	70 (54 to 90)	148 (117 to 188)	76 (63 to 91)	56 (51 to 61)	58 (55 to 61)	142 (134 to 150)	379 (295 to 487)	456 (358 to 579)	711 (603 to 842)	200 (189 to 211)
	% change 1990-2017	**-70.6% (-78.1% to -60.9%)#**	**-74.0% (-80.8% to -65.1%)#**	**-78.5% (-83.3% to -72.3%)#**	**-82.6% (-86.0% to -78.1%)#**	**-74.7% (-77.1% to -72.0%)#**	**-76.9% (-78.3% to -75.4%)#**	**-68.6% (-70.4% to -66.8%)#**	**-74.8% (-80.7% to -67.7%)#**	**-76.6% (-81.7% to -70.3%)#**	**-75.2% (-79.0% to -70.4%)#**	**-71.6% (-73.1% to -70.0%)#**
	% change 2000-2017	**-54.2% (-65.9% to -39.2%)#**	**-61.9% (-72.0% to -48.7%)#**	**-66.7% (-74.0% to -57.3%)#**	**-63.0% (-70.0% to -53.6%)#**	**-57.5% (-61.8% to -53.0%)#**	**-60.0% (-62.5% to -57.4%)#**	**-57.8% (-60.3% to -55.5%)#**	**-61.3% (-70.0% to -50.2%)#**	**-61.6% (-70.0% to -51.3%)#**	**-60.5% (-66.7% to -53.0%)#**	**-58.5% (-60.8% to -56.2%)#**
Croatia	Death #, 1990	324 (298 to 355)	89 (77 to 102)	157 (136 to 179)	94 (79 to 110)	103 (98 to 108)	73 (71 to 75)	193 (191 to 196)	570 (533 to 608)	664 (623 to 708)	1,033 (986 to 1,085)	267 (263 to 271)
	Death #, 2000	187 (166 to 208)	53 (44 to 63)	71 (62 to 82)	52 (45 to 60)	46 (44 to 48)	53 (51 to 54)	165 (163 to 167)	311 (288 to 335)	364 (336 to 390)	627 (594 to 659)	218 (214 to 221)
	Death #, 2017	73 (64 to 85)	28 (24 to 32)	32 (28 to 37)	25 (21 to 29)	21 (19 to 24)	20 (19 to 22)	65 (60 to 69)	133 (116 to 153)	158 (137 to 183)	264 (239 to 293)	85 (80 to 90)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 1990-2017	**-77.4% (-80.9% to -73.3%)#**	**-68.5% (-74.1% to -61.5%)#**	**-79.7% (-83.0% to -75.4%)#**	**-73.9% (-79.7% to -66.9%)#**	**-79.1% (-81.5% to -76.5%)#**	**-72.5% (-74.5% to -70.3%)#**	**-66.7% (-68.8% to -64.5%)#**	**-76.6% (-79.8% to -72.8%)#**	**-76.3% (-79.7% to -72.2%)#**	**-74.5% (-77.3% to -71.3%)#**	**-68.2% (-70.2% to -66.2%)#**
	% change 2000-2017	**-60.8% (-67.1% to -53.0%)#**	**-47.4% (-58.2% to -33.7%)#**	**-55.4% (-63.3% to -46.0%)#**	**-53.2% (-62.7% to -40.8%)#**	**-53.3% (-59.1% to -46.9%)#**	**-61.7% (-64.5% to -58.6%)#**	**-60.9% (-63.4% to -58.2%)#**	**-57.2% (-63.6% to -49.9%)#**	**-56.7% (-63.2% to -49.0%)#**	**-58.0% (-62.5% to -52.6%)#**	**-61.1% (-63.4% to -58.6%)#**
Czech	Death #, 1990	676 (602 to 747)	219 (183 to 257)	436 (384 to 494)	233 (201 to 269)	174 (168 to 180)	198 (194 to 201)	488 (484 to 492)	1331 (1268 to 1400)	1564 (1498 to 1631)	2424 (2348 to 2502)	686 (679 to 693)
	Death #, 2000	153 (134 to 174)	89 (77 to 102)	140 (127 to 155)	95 (83 to 109)	98 (93 to 103)	120 (117 to 124)	343 (339 to 347)	382 (354 to 411)	476 (445 to 509)	1038 (995 to 1081)	463 (457 to 470)
	Death #, 2017	90 (70 to 115)	47 (37 to 60)	93 (74 to 115)	60 (50 to 71)	39 (35 to 43)	49 (46 to 52)	128 (121 to 136)	230 (181 to 290)	289 (231 to 362)	505 (438 to 585)	177 (168 to 187)
	% change 1990-2017	**-86.7% (-89.9% to -82.6%)#**	**-78.4% (-83.8% to -70.6%)#**	**-78.8% (-83.4% to -72.9%)#**	**-74.5% (-79.2% to -68.2%)#**	**-77.8% (-79.9% to -75.3%)#**	**-75.1% (-76.6% to -73.6%)#**	**-73.7% (-75.2% to -72.2%)#**	**-82.7% (-86.5% to -78.3%)#**	**-81.5% (-85.2% to -76.9%)#**	**-79.2% (-81.9% to -75.7%)#**	**-74.1% (-75.6% to -72.7%)#**
	% change 2000-2017	**-41.1% (-56.2% to -22.4%)#**	**-46.8% (-60.2% to -30.2%)#**	**-33.8% (-47.8% to -16.3%)#**	**-37.2% (-48.9% to -21.1%)#**	**-60.6% (-64.6% to -55.7%)#**	**-59.2% (-61.7% to -56.5%)#**	**-62.6% (-64.7% to -60.4%)#**	**-39.8% (-53.1% to -23.2%)#**	**-39.2% (-51.7% to -23.4%)#**	**-51.3% (-58.1% to -43.1%)#**	**-61.7% (-63.8% to -59.5%)#**
Hungary	Death #, 1990	1105 (1033 to 1180)	288 (244 to 338)	499 (438 to 568)	251 (211 to 294)	183 (178 to 188)	218 (215 to 222)	545 (541 to 549)	1891 (1822 to 1962)	2142 (2058 to 2230)	3088 (2994 to 3186)	763 (756 to 770)
	Death #, 2000	431 (396 to 465)	149 (131 to 170)	270 (236 to 308)	156 (138 to 176)	100 (96 to 104)	133 (130 to 135)	279 (277 to 282)	850 (804 to 894)	1007 (958 to 1055)	1518 (1461 to 1574)	412 (407 to 417)
	Death #, 2017	142 (100 to 199)	75 (56 to 100)	128 (98 to 167)	64 (53 to 77)	37 (34 to 41)	59 (55 to 63)	137 (130 to 145)	346 (266 to 445)	410 (320 to 524)	643 (545 to 762)	196 (186 to 206)
	% change 1990-2017	**-87.1% (-91.1% to -81.8%)#**	**-73.9% (-81.8% to -63.6%)#**	**-74.3% (-81.2% to -65.8%)#**	**-74.4% (-79.9% to -67.3%)#**	**-79.6% (-81.5% to -77.3%)#**	**-73.0% (-74.6% to -71.2%)#**	**-74.9% (-76.2% to -73.4%)#**	**-81.7% (-85.9% to -76.3%)#**	**-80.9% (-85.0% to -75.6%)#**	**-79.2% (-82.3% to -75.2%)#**	**-74.3% (-75.6% to -72.9%)#**
	% change 2000-2017	**-67.0% (-77.2% to -53.2%)#**	**-49.6% (-63.6% to -31.9%)#**	**-52.6% (-64.9% to -37.3%)#**	**-59.0% (-66.8% to -48.3%)#**	**-62.5% (-66.2% to -58.5%)#**	**-55.6% (-58.2% to -52.6%)#**	**-51.0% (-53.5% to -48.0%)#**	**-59.4% (-68.9% to -48.0%)#**	**-59.3% (-68.2% to -48.2%)#**	**-57.6% (-64.1% to -49.7%)#**	**-52.5% (-54.9% to -49.8%)#**
Macedonia	Death #, 1990	477 (377 to 586)	152 (127 to 176)	525 (441 to 605)	124 (106 to 146)	66 (63 to 68)	52 (51 to 53)	88 (87 to 90)	1155 (1098 to 1212)	1279 (1221 to 1342)	1486 (1423 to 1550)	141 (138 to 143)
	Death #, 2000	189 (166 to 212)	52 (44 to 60)	124 (108 to 141)	55 (47 to 64)	35 (33 to 36)	37 (36 to 38)	72 (71 to 73)	365 (342 to 389)	421 (395 to 448)	564 (535 to 594)	109 (107 to 111)
	Death #, 2017	105 (76 to 136)	35 (27 to 45)	50 (39 to 64)	24 (20 to 28)	19 (17 to 21)	17 (16 to 18)	50 (46 to 55)	190 (166 to 217)	214 (186 to 245)	300 (270 to 336)	67 (62 to 72)
	% change 1990-2017	**-78.1% (-84.9% to -69.0%)#**	**-76.7% (-82.9% to -68.2%)#**	**-90.4% (-93.0% to -87.0%)#**	**-80.8% (-84.7% to -76.1%)#**	**-71.2% (-74.0% to -68.0%)#**	**-67.8% (-70.4% to -65.5%)#**	**-43.4% (-47.7% to -38.0%)#**	**-83.5% (-85.8% to -80.9%)#**	**-83.2% (-85.5% to -80.6%)#**	**-79.8% (-82.1% to -77.2%)#**	**-52.5% (-56.0% to -48.4%)#**
	% change 2000-2017	**-44.7% (-60.8% to -26.5%)#**	**-31.6% (-49.5% to -8.9%)#**	**-59.5% (-69.8% to -46.3%)#**	**-56.9% (-65.3% to -45.4%)#**	**-45.3% (-50.9% to -38.7%)#**	**-54.1% (-57.7% to -50.5%)#**	**-30.7% (-36.1% to -24.4%)#**	**-47.9% (-55.4% to -39.2%)#**	**-49.1% (-56.3% to -40.6%)#**	**-46.8% (-52.8% to -39.7%)#**	**-38.6% (-43.1% to -33.6%)#**
Montenegro	Death #, 1990	77 (65 to 92)	21 (18 to 25)	43 (36 to 52)	22 (17 to 28)	15 (14 to 16)	13 (12 to 13)	21 (20 to 21)	142 (124 to 161)	164 (143 to 187)	212 (190 to 237)	34 (33 to 35)
	Death #, 2000	56 (47 to 65)	16 (12 to 19)	34 (28 to 39)	12 (10 to 14)	10 (9 to 11)	11 (11 to 12)	27 (26 to 28)	105 (94 to 116)	117 (105 to 130)	166 (152 to 180)	39 (38 to 40)
	Death #, 2017	13 (11 to 15)	4 (4 to 5)	6 (5 to 7)	5 (4 to 6)	5 (4 to 5)	7 (6 to 7)	11 (11 to 12)	23 (20 to 27)	28 (24 to 33)	51 (46 to 58)	18 (17 to 20)
	% change 1990-2017	**-83.0% (-86.1% to -78.9%)#**	**-79.7% (-83.7% to -74.9%)#**	**-86.9% (-89.5% to -83.8%)#**	**-76.6% (-82.3% to -68.7%)#**	**-68.0% (-72.2% to -63.1%)#**	**-47.1% (-51.7% to -42.1%)#**	**-45.2% (-49.4% to -40.2%)#**	**-83.7% (-86.2% to -80.3%)#**	**-82.8% (-85.5% to -79.0%)#**	**-75.9% (-79.1% to -71.8%)#**	**-45.9% (-50.0% to -41.4%)#**
	% change 2000-2017	**-76.4% (-80.4% to -71.4%)#**	**-72.4% (-78.4% to -64.1%)#**	**-83.1% (-86.3% to -79.0%)#**	**-57.7% (-66.8% to -46.1%)#**	**-52.4% (-58.2% to -45.5%)#**	**-41.5% (-46.4% to -36.5%)#**	**-57.8% (-61.0% to -54.2%)#**	**-78.0% (-81.2% to -74.2%)#**	**-75.8% (-79.5% to -71.5%)#**	**-69.1% (-72.7% to -65.0%)#**	**-53.0% (-56.4% to -49.2%)#**
Poland	Death #, 1990	4,987 (4,447 to 5,523)	1,403 (1,190 to 1,616)	2,288 (2,019 to 2,570)	1,345 (1,160 to 1,543)	957 (943 to 971)	922 (914 to 929)	1,965 (1,957 to 1,972)	8,678 (8,438 to 8,928)	10,024 (9,835 to 10,223)	13,867 (13,650 to 14,087)	2,886 (2,872 to 2,901)
	Death #, 2000	1,597 (1,455 to 1,746)	565 (472 to 668)	831 (729 to 937)	509 (434 to 588)	437 (427 to 448)	566 (560 to 574)	1,763 (1,754 to 1,771)	2,993 (2,871 to 3,109)	3,502 (3,389 to 3,621)	6,268 (6,135 to 6,412)	2,329 (2,314 to 2,345)
	Death #, 2017	682 (532 to 864)	266 (207 to 339)	375 (299 to 469)	235 (206 to 271)	182 (168 to 198)	202 (192 to 213)	652 (619 to 687)	1,323 (1,041 to 1,669)	1,559 (1,258 to 1,930)	2,594 (2,265 to 3,003)	854 (813 to 898)
	% change 1990-2017	**-86.3% (-89.5% to -81.8%)#**	**-81.0% (-86.0% to -74.4%)#**	**-83.6% (-87.3% to -78.6%)#**	**-82.5% (-85.7% to -78.8%)#**	**-81.0% (-82.5% to -79.2%)#**	**-78.1% (-79.2% to -76.8%)#**	**-66.8% (-68.5% to -65.0%)#**	**-84.8% (-88.1% to -80.7%)#**	**-84.5% (-87.5% to -80.8%)#**	**-81.3% (-83.8% to -78.3%)#**	**-70.4% (-71.9% to -68.9%)#**
	% change 2000-2017	**-57.3% (-67.1% to -44.6%)#**	**-52.9% (-65.0% to -36.1%)#**	**-54.9% (-65.3% to -41.8%)#**	**-53.8% (-62.0% to -43.4%)#**	**-58.3% (-61.7% to -54.6%)#**	**-63.0% (-66.1% to -62.3%)#**	**-64.9% (-64.9% to -61.0%)#**	**-55.8% (-65.4% to -44.0%)#**	**-55.5% (-63.9% to -45.3%)#**	**-58.6% (-63.7% to -52.3%)#**	**-63.3% (-65.1% to -61.4%)#**
Romania	Death #, 1990	1,690 (1,505 to 1,870)	1,117 (971 to 1,275)	4,975 (4,698 to 5,271)	2,505 (2,187 to 2,829)	1,043 (1,029 to 1,058)	922 (915 to 930)	1,355 (1,349 to 1,361)	7,782 (7,476 to 8,071)	10,287 (10,082 to 10,507)	13,607 (13,379 to 13,852)	2,277 (2,265 to 2,290)
	Death #, 2000	1,375 (1,220 to 1,536)	661 (577 to 762)	2,103 (1,897 to 2,313)	828 (743 to 918)	579 (568 to 591)	991 (981 to 1,002)	1,007 (1,001 to 1,013)	4,138 (4,013 to 4,279)	4,966 (4,835 to 5,113)	7,544 (7,393 to 7,715)	1,999 (1,982 to 2,014)
	Death #, 2017	501 (425 to 594)	238 (203 to 282)	554 (478 to 650)	264 (230 to 307)	180 (166 to 195)	236 (225 to 248)	437 (415 to 459)	1,294 (1,102 to 1,523)	1,558 (1,348 to 1,828)	2,411 (2,170 to 2,709)	673 (641 to 705)
	% change 1990-2017	**-70.4% (-75.6% to -63.9%)#**	**-78.7% (-82.7% to -73.4%)#**	**-88.9% (-90.5% to -86.8%)#**	**-89.5% (-91.2% to -87.2%)#**	**-82.7% (-84.1% to -81.2%)#**	**-74.4% (-75.7% to -73.1%)#**	**-67.7% (-69.4% to -66.1%)#**	**-83.4% (-85.8% to -80.2%)#**	**-84.9% (-86.9% to -82.2%)#**	**-82.3% (-84.0% to -80.0%)#**	**-70.4% (-71.8% to -69.1%)#**
	% change 2000-2017	**-63.6% (-70.4% to -54.8%)#**	**-63.9% (-70.6% to -55.1%)#**	**-73.6% (-78.0% to -68.1%)#**	**-68.1% (-73.0% to -62.0%)#**	**-68.9% (-71.4% to -66.2%)#**	**-76.2% (-77.3% to -74.9%)#**	**-56.6% (-58.8% to -54.4%)#**	**-68.7% (-73.4% to -63.0%)#**	**-68.6% (-73.1% to -63.2%)#**	**-68.0% (-71.3% to -64.0%)#**	**-66.3% (-67.9% to -64.7%)#**
Serbia	Death #, 1990	1,645 (1,579 to 1,705)	500 (481 to 519)	1,276 (1,225 to 1,322)	549 (454 to 654)	200 (194 to 205)	230 (226 to 233)	438 (435 to 442)	3,422 (3,288 to 3,545)	3,971 (3,842 to 4,102)	4,839 (4,700 to 4,976)	668 (663 to 675)
	Death #, 2000	670 (560 to 786)	218 (182 to 255)	495 (413 to 579)	229 (183 to 284)	150 (132 to 170)	148 (138 to 162)	384 (374 to 393)	1,382 (1,155 to 1,618)	1,611 (1,355 to 1,885)	2,294 (2,001 to 2,610)	532 (513 to 554)
	Death #, 2017	178 (149 to 214)	81 (67 to 97)	107 (91 to 127)	51 (42 to 61)	42 (39 to 46)	54 (51 to 56)	122 (115 to 129)	366 (307 to 438)	417 (353 to 495)	636 (564 to 718)	176 (166 to 185)
	% change 1990-2017	**-89.2% (-90.9% to -87.0%)#**	**-83.9% (-86.5% to -80.7%)#**	**-91.6% (-92.9% to -90.0%)#**	**-90.7% (-92.9% to -87.6%)#**	**-78.8% (-80.6% to -76.7%)#**	**-76.7% (-78.0% to -75.3%)#**	**-72.1% (-73.8% to -70.5%)#**	**-89.3% (-91.0% to -87.2%)#**	**-89.5% (-91.1% to -87.4%)#**	**-86.9% (-88.3% to -85.1%)#**	**-73.7% (-75.1% to -72.3%)#**
	% change 2000-2017	**-73.4% (-77.8% to -68.0%)#**	**-62.9% (-69.1% to -55.3%)#**	**-78.3% (-82.0% to -74.1%)#**	**-77.6% (-82.3% to -71.8%)#**	**-71.8% (-75.9% to -67.2%)#**	**-63.9% (-67.4% to -60.3%)#**	**-68.1% (-70.2% to -66.1%)#**	**-73.5% (-78.0% to -68.1%)#**	**-74.1% (-78.2% to -69.2%)#**	**-72.3% (-75.8% to -68.3%)#**	**-66.9% (-69.2% to -64.7%)#**
Slovakia	Death #, 1990	506 (448 to 560)	153 (119 to 195)	315 (288 to 345)	167 (144 to 191)	119 (114 to 123)	119 (116 to 121)	258 (256 to 261)	974 (918 to 1,028)	1,141 (1,088 to 1,196)	1,637 (1,576 to 1,700)	377 (372 to 382)
	Death #, 2000	195 (172 to 218)	82 (71 to 95)	151 (136 to 165)	96 (83 to 110)	78 (75 to 82)	93 (91 to 95)	198 (196 to 200)	428 (402 to 454)	524 (492 to 556)	894 (855 to 933)	291 (286 to 295)
	Death #, 2017	106 (72 to 146)	47 (33 to 66)	102 (76 to 137)	54 (44 to 66)	33 (30 to 37)	32 (30 to 34)	85 (80 to 90)	255 (197 to 330)	309 (242 to 396)	460 (387 to 551)	117 (111 to 123)
	% change 1990-2017	**-79.1% (-85.9% to -70.6%)#**	**-69.1% (-79.8% to -54.9%)#**	**-67.5% (-76.3% to -56.1%)#**	**-67.8% (-74.3% to -58.8%)#**	**-71.8% (-74.7% to -68.6%)#**	**-72.9% (-74.7% to -71.2%)#**	**-67.1% (-69.0% to -65.3%)#**	**-73.8% (-80.0% to -66.0%)#**	**-72.9% (-79.0% to -65.3%)#**	**-71.9% (-76.6% to -66.0%)#**	**-69.0% (-70.6% to -67.2%)#**
	% change 2000-2017	**-45.8% (-63.3% to -23.6%)#**	**-42.5% (-61.3% to -17.2%)#**	**-32.2% (-50.5% to -8.8%)#**	**-43.8% (-55.3% to -27.9%)#**	**-57.4% (-62.0% to -52.6%)#**	**-65.4% (-67.7% to -63.0%)#**	**-57.1% (-59.5% to -54.6%)#**	**-40.4% (-54.5% to -23.3%)#**	**-41.0% (-54.5% to -24.4%)#**	**-48.5% (-57.3% to -38.1%)#**	**-59.8% (-61.9% to -57.5%)#**
	Death #, 1990	100 (91 to 110)	25 (22 to 29)	59 (52 to 67)	40 (36 to 45)	35 (33 to 36)	34 (33 to 35)	86 (85 to 88)	185 (172 to 199)	225 (210 to 242)	380 (362 to 401)	120 (118 to 123)
	Death #, 2000	48 (43 to 52)	11 (10 to 12)	22 (20 to 25)	16 (14 to 19)	16 (15 to 17)	17 (17 to 18)	78 (77 to 79)	81 (74 to 88)	97 (88 to 106)	209 (198 to 220)	95 (94 to 97)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Slovenia	Death #, 2017	15 (13 to 18)	11 (9 to 13)	7 (6 to 8)	9 (8 to 11)	6 (6 to 7)	11 (10 to 12)	28 (26 to 30)	33 (27 to 39)	42 (36 to 50)	88 (80 to 98)	40 (37 to 42)
	% change 1990-2017	**-85.0% (-87.8% to -81.7%)#**	**-55.9% (-64.3% to -44.9%)#**	**-89.0% (-91.0% to -86.6%)#**	**-76.5% (-81.4% to -70.9%)#**	**-81.9% (-83.9% to -79.7%)#**	**-66.9% (-69.4% to -64.2%)#**	**-67.1% (-69.5% to -64.7%)#**	**-82.3% (-85.4% to -78.6%)#**	**-81.2% (-84.5% to -77.3%)#**	**-76.8% (-79.3% to -74.0%)#**	**-67.1% (-69.2% to -64.8%)#**
	% change 2000-2017	**-68.2% (-74.5% to -61.3%)#**	1.5% (-17.5% to 23.6%)	**-70.7% (-76.0% to -64.0%)#**	**-41.3% (-54.2% to -25.1%)#**	**-61.4% (-65.8% to -56.2%)#**	**-35.5% (-40.8% to -29.7%)#**	**-63.6% (-66.3% to -60.8%)#**	**-59.5% (-66.5% to -51.1%)#**	**-56.4% (-64.1% to -47.7%)#**	**-57.7% (-62.5% to -52.6%)#**	**-58.4% (-61.4% to -55.5%)#**
Eastern Europe	Death #, 1990	25,498 (24,609 to 26,395)	7,506 (7,008 to 8,083)	15,686 (15,259 to 16,130)	13,487 (12,904 to 14,149)	9,471 (9,287 to 9,670)	7,278 (7,199 to 7,360)	16,228 (16,168 to 16,288)	48,690 (47,370 to 50,033)	62,177 (60,618 to 63,831)	95,154 (93,297 to 97,077)	23,506 (23,369 to 23,644)
	% of global total, 1990	0.8% (0.8% to 0.9%)	0.6% (0.6% to 0.6%)	0.4% (0.4% to 0.4%)	0.4% (0.3% to 0.4%)	1.1% (1.1% to 1.1%)	1.6% (1.5% to 1.6%)	2.4% (2.4% to 2.4%)	0.6% (0.6% to 0.6%)	0.5% (0.5% to 0.5%)	0.7% (0.7% to 0.7%)	2.1% (2.0% to 2.1%)
	Death #, 2000	14,928 (14,694 to 15,166)	4,324 (4,112 to 4,577)	8,901 (8,736 to 9,080)	6,721 (6,478 to 6,987)	5,568 (5,527 to 5,607)	7,567 (7,541 to 7,591)	23,302 (23,273 to 23,330)	28,153 (27,805 to 28,482)	34,875 (34,467 to 35,272)	71,311 (70,836 to 71,776)	30,868 (30,816 to 30,918)
	% of global total, 2000	0.5% (0.5% to 0.6%)	0.5% (0.4% to 0.5%)	0.3% (0.3% to 0.3%)	0.2% (0.2% to 0.2%)	0.8% (0.8% to 0.8%)	1.6% (1.6% to 1.6%)	3.4% (3.4% to 3.5%)	0.4% (0.4% to 0.4%)	0.4% (0.3% to 0.4%)	0.6% (0.6% to 0.6%)	2.7% (2.6% to 2.7%)
	Death #, 2017	7,064 (6,811 to 7,327)	2,222 (2,042 to 2,483)	4,657 (4,445 to 4,878)	3,759 (3,548 to 3,996)	2,599 (2,565 to 2,635)	2,834 (2,807 to 2,863)	6,917 (6,816 to 7,018)	13,942 (13,384 to 14,555)	17,701 (17,090 to 18,393)	30,051 (29,372 to 30,813)	9,751 (9,629 to 9,875)
	% of global total, 2017	0.4% (0.4% to 0.4%)	0.4% (0.4% to 0.5%)	0.3% (0.3% to 0.3%)	0.3% (0.2% to 0.3%)	0.6% (0.6% to 0.7%)	0.9% (0.9% to 0.9%)	1.3% (1.3% to 1.4%)	0.3% (0.3% to 0.4%)	0.3% (0.3% to 0.3%)	0.5% (0.4% to 0.5%)	1.2% (1.1% to 1.2%)
	% change 1990-2017	**-72.3% (-73.8% to -70.7%)#**	**-70.4% (-73.8% to -66.3%)#**	**-70.3% (-71.5% to -69.0%)#**	**-72.1% (-74.2% to -70.0%)#**	**-72.6% (-73.2% to -71.9%)#**	**-61.1% (-61.6% to -60.5%)#**	**-57.4% (-58.0% to -56.7%)#**	**-71.4% (-72.6% to -69.9%)#**	**-71.5% (-72.7% to -70.2%)#**	**-68.4% (-69.3% to -67.4%)#**	**-58.5% (-59.1% to -57.9%)#**
	% change 2000-2017	**-52.7% (-54.6% to -50.7%)#**	**-48.6% (-53.4% to -42.3%)#**	**-47.7% (-50.3% to -45.1%)#**	**-44.1% (-47.9% to -39.9%)#**	**-53.3% (-54.0% to -52.6%)#**	**-62.5% (-62.9% to -62.2%)#**	**-70.3% (-70.8% to -69.9%)#**	**-50.5% (-52.5% to -48.2%)#**	**-49.2% (-51.1% to -47.2%)#**	**-57.9% (-58.9% to -56.7%)#**	**-68.4% (-68.8% to -68.0%)#**
Belarus	Death #, 1990	1,167 (999 to 1,344)	322 (275 to 375)	800 (683 to 923)	658 (522 to 811)	418 (376 to 464)	302 (286 to 320)	605 (594 to 616)	2,289 (1,955 to 2,632)	2,947 (2,571 to 3,373)	4,271 (3,824 to 4,774)	907 (880 to 935)
	Death #, 2000	662 (570 to 751)	185 (159 to 211)	463 (402 to 525)	344 (283 to 414)	230 (206 to 255)	258 (243 to 273)	663 (651 to 674)	1,309 (1,136 to 1,480)	1,654 (1,431 to 1,875)	2,804 (2,533 to 3,069)	920 (894 to 947)
	Death #, 2017	266 (201 to 359)	85 (64 to 115)	161 (123 to 215)	151 (119 to 196)	103 (90 to 119)	71 (66 to 76)	173 (164 to 182)	512 (388 to 689)	663 (507 to 886)	1,009 (830 to 1,250)	243 (230 to 257)
	% change 1990-2017	**-77.2% (-83.2% to -68.6%)#**	**-73.6% (-80.8% to -63.4%)#**	**-79.9% (-85.2% to -72.7%)#**	**-77.0% (-82.8% to -67.5%)#**	**-75.5% (-79.0% to -70.9%)#**	**-76.6% (-78.6% to -74.3%)#**	**-71.5% (-73.0% to -69.7%)#**	**-77.6% (-83.6% to -69.4%)#**	**-77.5% (-83.2% to -69.9%)#**	**-76.4% (-81.0% to -70.4%)#**	**-73.2% (-74.8% to -71.3%)#**
	% change 2000-2017	**-59.8% (-70.0% to -44.6%)#**	**-53.9% (-65.8% to -37.0%)#**	**-65.3% (-74.0% to -53.2%)#**	**-56.1% (-67.1% to -40.5%)#**	**-55.4% (-62.0% to -47.3%)#**	**-72.5% (-74.9% to -69.9%)#**	**-74.0% (-75.5% to -72.3%)#**	**-60.9% (-70.8% to -46.7%)#**	**-59.9% (-69.9% to -46.3%)#**	**-64.0% (-70.8% to -55.2%)#**	**-73.6% (-75.2% to -71.8%)#**
Estonia	Death #, 1990	140 (130 to 149)	45 (42 to 48)	97 (88 to 106)	85 (74 to 98)	63 (61 to 66)	51 (50 to 53)	129 (127 to 131)	281 (263 to 300)	367 (347 to 386)	611 (587 to 634)	181 (178 to 184)
	Death #, 2000	44 (40 to 48)	23 (20 to 26)	45 (40 to 51)	30 (25 to 34)	28 (26 to 29)	29 (28 to 30)	78 (77 to 79)	112 (103 to 123)	142 (131 to 155)	276 (262 to 292)	107 (105 to 109)
	Death #, 2017	12 (10 to 15)	5 (4 to 6)	12 (10 to 15)	11 (8 to 17)	9 (8 to 11)	9 (8 to 10)	23 (21 to 26)	30 (24 to 36)	41 (34 to 50)	82 (73 to 94)	32 (29 to 36)
	% change 1990-2017	**-91.1% (-92.8% to -88.9%)#**	**-89.0% (-91.0% to -86.3%)#**	**-87.5% (-89.8% to -84.5%)#**	**-86.8% (-91.3% to -80.2%)#**	**-85.5% (-87.5% to -83.3%)#**	**-82.2% (-83.8% to -80.5%)#**	**-82.0% (-84.1% to -79.9%)#**	**-89.5% (-91.5% to -87.0%)#**	**-88.9% (-90.8% to -86.2%)#**	**-86.5% (-88.2% to -84.4%)#**	**-82.1% (-83.9% to -80.1%)#**
	% change 2000-2017	**-71.8% (-77.4% to -64.5%)#**	**-78.3% (-82.7% to -72.4%)#**	**-73.4% (-78.5% to -66.9%)#**	**-61.9% (-74.7% to -42.7%)#**	**-66.8% (-71.2% to -61.6%)#**	**-68.5% (-71.2% to -65.4%)#**	**-70.1% (-73.5% to -66.4%)#**	**-73.8% (-78.7% to -67.4%)#**	**-71.3% (-76.8% to -65.0%)#**	**-70.2% (-74.0% to -65.9%)#**	**-69.7% (-72.8% to -66.4%)#**
Latvia	Death #, 1990	243 (223 to 262)	76 (70 to 82)	151 (138 to 164)	149 (126 to 173)	126 (121 to 130)	94 (92 to 96)	228 (225 to 230)	469 (439 to 502)	618 (585 to 648)	1,066 (1,027 to 1,103)	322 (318 to 326)
	Death #, 2000	94 (87 to 103)	42 (38 to 45)	82 (73 to 91)	51 (45 to 57)	57 (54 to 60)	59 (57 to 60)	151 (149 to 153)	218 (201 to 235)	269 (251 to 287)	535 (513 to 559)	210 (207 to 213)
	Death #, 2017	37 (28 to 48)	11 (8 to 14)	28 (22 to 36)	18 (14 to 23)	17 (15 to 18)	16 (15 to 17)	39 (34 to 43)	76 (58 to 98)	94 (76 to 116)	165 (143 to 191)	54 (49 to 60)
	% change 1990-2017	**-84.8% (-88.6% to -80.1%)#**	**-85.8% (-89.3% to -81.4%)#**	**-81.3% (-85.9% to -75.8%)#**	**-87.7% (-90.7% to -83.6%)#**	**-86.7% (-87.9% to -85.2%)#**	**-83.2% (-84.5% to -81.8%)#**	**-83.1% (-84.9% to -81.1%)#**	**-83.8% (-87.8% to -79.2%)#**	**-84.7% (-87.7% to -81.1%)#**	**-84.5% (-86.5% to -82.0%)#**	**-83.1% (-84.7% to -81.4%)#**
	% change 2000-2017	**-60.8% (-71.0% to -48.7%)#**	**-74.2% (-80.9% to -66.3%)#**	**-65.4% (-74.2% to -54.7%)#**	**-64.0% (-72.0% to -53.2%)#**	**-70.5% (-73.7% to -67.2%)#**	**-73.0% (-75.1% to -70.7%)#**	**-74.5% (-77.2% to -71.6%)#**	**-65.1% (-73.9% to -54.4%)#**	**-64.9% (-71.8% to -56.2%)#**	**-69.1% (-73.5% to -64.1%)#**	**-74.1% (-76.6% to -71.5%)#**
Lithuania	Death #, 1990	333 (310 to 356)	99 (92 to 106)	210 (192 to 228)	171 (151 to 192)	133 (129 to 138)	101 (99 to 103)	273 (270 to 276)	642 (606 to 675)	814 (774 to 851)	1,320 (1,273 to 1,365)	373 (369 to 378)
	Death #, 2000	116 (108 to 124)	43 (40 to 46)	126 (117 to 135)	85 (73 to 100)	71 (68 to 74)	77 (75 to 79)	221 (218 to 223)	285 (268 to 302)	370 (347 to 395)	738 (710 to 769)	297 (293 to 301)
	Death #, 2017	44 (37 to 54)	21 (17 to 25)	49 (41 to 58)	28 (24 to 32)	14 (12 to 15)	25 (23 to 26)	64 (60 to 68)	114 (96 to 137)	142 (120 to 169)	244 (219 to 273)	88 (84 to 94)
	% change 1990-2017	**-86.7% (-89.0% to -83.7%)#**	**-79.0% (-82.6% to -74.2%)#**	**-76.6% (-80.5% to -71.5%)#**	**-84.0% (-86.7% to -80.5%)#**	**-89.8% (-90.6% to -88.7%)#**	**-75.5% (-76.8% to -74.0%)#**	**-76.7% (-78.0% to -75.2%)#**	**-82.2% (-85.0% to -78.5%)#**	**-82.6% (-85.2% to -79.1%)#**	**-81.5% (-83.4% to -79.2%)#**	**-76.3% (-77.6% to -75.0%)#**
	% change 2000-2017	**-61.6% (-68.5% to -53.5%)#**	**-52.0% (-60.4% to -41.9%)#**	**-61.1% (-67.4% to -53.5%)#**	**-67.8% (-73.8% to -59.2%)#**	**-80.6% (-82.5% to -78.7%)#**	**-67.8% (-69.8% to -65.7%)#**	**-71.1% (-73.0% to -69.3%)#**	**-59.9% (-66.7% to -51.9%)#**	**-61.7% (-67.8% to -54.3%)#**	**-67.0% (-70.5% to -62.8%)#**	**-70.3% (-72.0% to -68.5%)#**
Moldova	Death #, 1990	1,078 (947 to 1,210)	382 (277 to 511)	852 (746 to 969)	672 (575 to 780)	310 (284 to 336)	188 (180 to 196)	307 (302 to 311)	2,313 (2,035 to 2,598)	2,985 (2,647 to 3,342)	3,790 (3,410 to 4,184)	495 (482 to 507)
	Death #, 2000	667 (597 to 745)	256 (211 to 307)	350 (291 to 417)	184 (145 to 230)	169 (156 to 184)	172 (164 to 180)	278 (274 to 282)	1,273 (1,131 to 1,433)	1,457 (1,289 to 1,642)	2,076 (1,888 to 2,283)	450 (438 to 462)
	Death #, 2017	314 (225 to 424)	107 (86 to 134)	89 (64 to 119)	73 (55 to 95)	57 (50 to 65)	50 (47 to 54)	97 (94 to 101)	509 (381 to 668)	582 (436 to 763)	786 (629 to 983)	147 (141 to 154)
	% change 1990-2017	**-70.9% (-80.0% to -58.9%)#**	**-72.1% (-80.9% to -58.4%)#**	**-89.6% (-92.8% to -85.5%)#**	**-89.2% (-92.1% to -85.5%)#**	**-81.6% (-84.3% to -78.5%)#**	**-73.4% (-75.6% to -71.0%)#**	**-68.3% (-69.4% to -67.1%)#**	**-78.0% (-84.0% to -69.8%)#**	**-80.5% (-85.8% to -73.5%)#**	**-79.3% (-83.8% to -73.2%)#**	**-70.2% (-71.7% to -68.7%)#**
	% change 2000-2017	**-53.0% (-66.7% to -35.3%)#**	**-58.3% (-68.7% to -45.1%)#**	**-74.7% (-82.6% to -64.5%)#**	**-60.5% (-71.4% to -44.4%)#**	**-66.3% (-71.2% to -60.9%)#**	**-70.9% (-73.3% to -68.3%)#**	**-64.9% (-66.2% to -63.7%)#**	**-60.0% (-70.9% to -46.3%)#**	**-60.1% (-70.9% to -46.2%)#**	**-62.1% (-70.5% to -51.8%)#**	**-67.2% (-68.9% to -65.6%)#**
Russian Federation	Death #, 1990	16,760 (16,620 to 16,909)	4,667 (4,627 to 4,708)	10,712 (10,600 to 10,827)	8,970 (8,805 to 9,155)	6,360 (6,332 to 6,389)	4,952 (4,939 to 4,965)	11,481 (11,460 to 11,501)	32,139 (31,899 to 32,371)	41,109 (40,852 to 41,398)	63,901 (63,601 to 64,235)	16,433 (16,402 to 16,463)
	Death #, 2000	10,717 (10,620 to 10,811)	2,987 (2,963 to 3,011)	6,284 (6,222 to 6,349)	4,905 (4,803 to 5,016)	3,942 (3,925 to 3,960)	5,587 (5,574 to 5,600)	18,449 (18,429 to 18,470)	19,988 (19,831 to 20,138)	24,893 (24,743 to 25,045)	52,871 (52,687 to 53,061)	24,037 (24,005 to 24,067)
	Death #, 2017	4,952 (4,844 to 5,065)	1,508 (1,476 to 1,542)	3,111 (3,047 to 3,180)	2,588 (2,527 to 2,654)	1,797 (1,784 to 1,810)	1,990 (1,979 to 2,001)	4,560 (4,526 to 4,593)	9,572 (9,368 to 9,781)	12,160 (11,902 to 12,437)	20,507 (20,236 to 20,796)	6,550 (6,506 to 6,591)
	% change 1990-2017	**-70.5% (-71.2% to -69.7%)#**	**-67.7% (-68.5% to -66.9%)#**	**-71.0% (-71.6% to -70.2%)#**	**-71.2% (-72.0% to -70.2%)#**	**-71.7% (-72.0% to -71.5%)#**	**-59.8% (-60.0% to -59.6%)#**	**-60.3% (-60.6% to -60.0%)#**	**-70.2% (-70.9% to -69.5%)#**	**-70.4% (-71.0% to -69.7%)#**	**-67.9% (-68.3% to -67.4%)#**	**-60.1% (-60.4% to -59.9%)#**
	% change 2000-2017	**-53.8% (-54.8% to -52.7%)#**	**-49.5% (-50.6% to -48.3%)#**	**-50.5% (-51.6% to -49.3%)#**	**-47.2% (-48.8% to -45.6%)#**	**-54.4% (-54.8% to -54.0%)#**	**-64.4% (-64.6% to -64.2%)#**	**-75.3% (-75.5% to -75.1%)#**	**-52.1% (-53.1% to -51.0%)#**	**-51.1% (-52.2% to -50.0%)#**	**-61.2% (-61.7% to -60.7%)#**	**-72.8% (-72.9% to -72.6%)#**
Ukraine	Death #, 1990	5,778 (4,906 to 6,704)	1,915 (1,400 to 2,460)	2,864 (2,478 to 3,276)	2,782 (2,242 to 3,373)	2,061 (1,877 to 2,262)	1,589 (1,510 to 1,671)	3,206 (3,150 to 3,262)	10,557 (9,333 to 11,891)	13,339 (11,897 to 14,916)	20,195 (18,453 to 22,106)	4,796 (4,661 to 4,921)
	Death #, 2000	2,629 (2,443 to 2,806)	789 (590 to 1,031)	1,551 (1,420 to 1,676)	1,122 (928 to 1,325)	1,072 (1,053 to 1,091)	1,386 (1,372 to 1,399)	3,462 (3,444 to 3,479)	4,968 (4,761 to 5,176)	6,090 (5,880 to 6,320)	12,010 (11,772 to 12,259)	4,848 (4,819 to 4,877)
	Death #, 2017	1,438 (1,260 to 1,645)	485 (313 to 743)	1,207 (1,013 to 1,419)	890 (699 to 1,115)	602 (575 to 632)	674 (649 to 700)	1,962 (1,866 to 2,059)	3,130 (2,676 to 3,681)	4,020 (3,492 to 4,635)	7,258 (6,691 to 7,904)	2,635 (2,518 to 2,750)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 1990-2017	**-75.1% (-80.0% to -68.7%)#**	**-74.7% (-85.3% to -56.1%)#**	**-57.9% (-63.9% to -51.0%)#**	**-68.0% (-76.8% to -56.6%)#**	**-70.8% (-73.6% to -67.4%)#**	**-57.6% (-60.0% to -54.9%)#**	**-38.8% (-41.9% to -35.6%)#**	**-70.3% (-75.6% to -64.2%)#**	**-69.9% (-74.8% to -64.3%)#**	**-64.1% (-68.2% to -59.6%)#**	**-45.0% (-47.7% to -42.1%)#**
	% change 2000-2017	**-45.3% (-53.0% to -36.7%)#**	-38.5% (-61.8% to 1.7%)	**-22.2% (-35.8% to -7.0%)#**	-20.7% (-42.5% to 8.7%)	**-43.8% (-46.6% to -40.8%)#**	**-51.4% (-53.2% to -49.5%)#**	**-43.3% (-46.1% to -40.4%)#**	**-37.0% (-46.5% to -26.0%)#**	**-34.0% (-42.6% to -24.1%)#**	**-39.6% (-44.5% to -34.2%)#**	**-45.6% (-48.0% to -43.2%)#**
High-income	Death #, 1990	54,254 (53,284 to 55,355)	14,096 (13,676 to 14,512)	43,048 (41,942 to 44,200)	23,591 (22,804 to 24,395)	15,090 (14,787 to 15,413)	15,085 (14,967 to 15,204)	45,005 (44,916 to 45,089)	111,397 (110,350 to 112,445)	134,989 (133,878 to 136,154)	210,168 (208,570 to 211,818)	60,090 (59,889 to 60,296)
	% of global total, 1990	1.8% (1.7% to 1.8%)	1.1% (1.1% to 1.2%)	1.1% (1.1% to 1.2%)	0.7% (0.6% to 0.7%)	1.8% (1.7% to 1.8%)	3.2% (3.2% to 3.3%)	6.7% (6.6% to 6.8%)	1.4% (1.3% to 1.4%)	1.1% (1.1% to 1.2%)	1.5% (1.5% to 1.6%)	5.3% (5.2% to 5.3%)
	Death #, 2000	36,774 (36,181 to 37,352)	10,965 (10,666 to 11,271)	26,016 (25,403 to 26,609)	15,376 (14,915 to 15,882)	9,638 (9,597 to 9,680)	11,068 (11,041 to 11,095)	34,283 (34,246 to 34,320)	73,755 (73,130 to 74,394)	89,131 (88,610 to 89,619)	144,120 (143,521 to 144,703)	45,351 (45,294 to 45,408)
	% of global total, 2000	1.3% (1.3% to 1.4%)	1.2% (1.1% to 1.2%)	0.8% (0.8% to 0.9%)	0.5% (0.5% to 0.6%)	1.4% (1.4% to 1.4%)	2.3% (2.3% to 2.3%)	5.0% (5.0% to 5.1%)	1.1% (1.1% to 1.1%)	0.9% (0.9% to 0.9%)	1.2% (1.2% to 1.3%)	3.9% (3.9% to 3.9%)
	Death #, 2017	26,022 (25,166 to 26,962)	7,917 (7,611 to 8,244)	16,626 (16,071 to 17,214)	9,636 (9,381 to 9,899)	6,016 (5,917 to 6,122)	7,120 (7,037 to 7,208)	22,797 (22,403 to 23,232)	50,565 (48,939 to 52,356)	60,201 (58,363 to 62,241)	96,134 (94,086 to 98,387)	29,917 (29,454 to 30,417)
	% of global total, 2017	1.4% (1.3% to 1.5%)	1.6% (1.5% to 1.6%)	1.0% (1.0% to 1.1%)	0.7% (0.7% to 0.7%)	1.5% (1.4% to 1.5%)	2.2% (2.2% to 2.3%)	4.4% (4.3% to 4.5%)	1.3% (1.2% to 1.3%)	1.1% (1.1% to 1.2%)	1.4% (1.4% to 1.5%)	3.6% (3.5% to 3.7%)
	% change 1990-2017	**-52.0% (-53.9% to -50.0%)#**	**-43.8% (-46.7% to -40.7%)#**	**-61.4% (-63.0% to -59.7%)#**	**-59.1% (-60.7% to -57.3%)#**	**-60.1% (-61.2% to -59.0%)#**	**-52.8% (-53.5% to -52.1%)#**	**-49.4% (-50.2% to -48.4%)#**	**-54.6% (-56.1% to -53.0%)#**	**-55.4% (-56.8% to -53.8%)#**	**-54.3% (-55.3% to -53.0%)#**	**-50.2% (-51.0% to -49.4%)#**
	% change 2000-2017	**-29.2% (-32.0% to -26.6%)#**	**-27.8% (-31.4% to -24.1%)#**	**-36.1% (-38.6% to -33.3%)#**	**-37.3% (-39.8% to -34.5%)#**	**-37.6% (-38.6% to -36.5%)#**	**-35.7% (-36.4% to -34.9%)#**	**-33.5% (-34.7% to -32.2%)#**	**-31.4% (-33.7% to -29.0%)#**	**-32.5% (-34.5% to -30.1%)#**	**-33.3% (-34.7% to -31.7%)#**	**-34.0% (-35.1% to -32.9%)#**
Australasia	Death #, 1990	1,194 (1,116 to 1,273)	280 (247 to 316)	1,122 (1,020 to 1,223)	499 (445 to 559)	293 (286 to 300)	300 (296 to 304)	1,213 (1,204 to 1,221)	2,595 (2,503 to 2,689)	3,094 (3,003 to 3,192)	4,900 (4,796 to 5,015)	1,513 (1,502 to 1,524)
	% of global total, 1990	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.1% (0.1% to 0.1%)	0.2% (0.2% to 0.2%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.1% (0.1% to 0.1%)
	Death #, 2000	855 (795 to 916)	206 (185 to 230)	565 (513 to 613)	345 (309 to 383)	220 (214 to 226)	261 (257 to 264)	886 (880 to 893)	1,626 (1,567 to 1,694)	1,972 (1,903 to 2,041)	3,338 (3,259 to 3,418)	1,147 (1,137 to 1,156)
	% of global total, 2000	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.1% (0.1% to 0.1%)
	Death #, 2017	705 (566 to 880)	157 (124 to 198)	393 (326 to 475)	239 (202 to 285)	173 (158 to 190)	172 (161 to 183)	583 (535 to 633)	1,255 (1,016 to 1,551)	1,494 (1,216 to 1,834)	2,422 (2,107 to 2,797)	756 (697 to 815)
	% of global total, 2017	0.0% (0.0% to 0.1%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.1%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.0% (0.0% to 0.0%)	0.1% (0.1% to 0.1%)
	% change 1990-2017	**-40.9% (-53.4% to -25.6%)#**	**-44.0% (-56.8% to -26.9%)#**	**-65.0% (-71.2% to -57.1%)#**	**-52.1% (-61.1% to -41.0%)#**	**-41.0% (-46.2% to -35.1%)#**	**-42.6% (-46.4% to -38.7%)#**	**-51.9% (-55.9% to -47.8%)#**	**-51.6% (-60.9% to -40.4%)#**	**-51.7% (-60.8% to -41.0%)#**	**-50.6% (-57.1% to -42.7%)#**	**-50.0% (-54.0% to -46.1%)#**
	% change 2000-2017	-17.5% (-33.7% to 2.6%)	**-24.0% (-40.8% to -1.3%)#**	**-30.4% (-43.4% to -13.7%)#**	**-30.9% (-43.0% to -14.8%)#**	**-21.4% (-28.3% to -13.8%)#**	**-33.9% (-38.1% to -29.7%)#**	**-34.2% (-39.8% to -28.3%)#**	**-22.8% (-37.6% to -4.7%)#**	**-24.2% (-37.9% to -7.0%)#**	**-27.4% (-36.8% to -16.3%)#**	**-34.1% (-39.2% to -29.0%)#**
Australia	Death #, 1990	997 (923 to 1,081)	222 (190 to 258)	783 (686 to 878)	395 (341 to 449)	234 (228 to 241)	236 (232 to 240)	918 (911 to 925)	2,002 (1,912 to 2,090)	2,396 (2,313 to 2,486)	3,785 (3,690 to 3,887)	1,154 (1,144 to 1,164)
	Death #, 2000	692 (632 to 752)	171 (150 to 195)	414 (364 to 462)	260 (225 to 296)	170 (165 to 175)	197 (193 to 200)	703 (697 to 708)	1,277 (1,216 to 1,343)	1,537 (1,474 to 1,606)	2,606 (2,532 to 2,687)	899 (891 to 908)
	Death #, 2017	583 (447 to 757)	130 (98 to 172)	312 (246 to 394)	196 (158 to 242)	131 (117 to 148)	140 (129 to 151)	461 (413 to 512)	1,025 (790 to 1,321)	1,222 (948 to 1,564)	1,954 (1,641 to 2,317)	601 (543 to 661)
	% change 1990-2017	**-41.5% (-56.2% to -22.9%)#**	**-41.4% (-57.1% to -19.7%)#**	**-60.2% (-69.1% to -47.8%)#**	**-50.3% (-61.6% to -35.8%)#**	**-43.9% (-50.2% to -36.7%)#**	**-40.5% (-45.4% to -35.7%)#**	**-49.8% (-55.0% to -44.2%)#**	**-48.8% (-60.2% to -33.9%)#**	**-49.0% (-60.4% to -35.0%)#**	**-48.4% (-56.6% to -38.5%)#**	**-47.9% (-53.0% to -42.9%)#**
	% change 2000-2017	-15.7% (-36.1% to 10.3%)	-23.9% (-44.2% to 3.5%)	**-24.7% (-42.5% to -1.0%)#**	**-24.6% (-41.4% to -2.2%)#**	**-22.8% (-31.4% to -13.0%)#**	**-28.6% (-34.0% to -22.9%)#**	**-34.4% (-41.2% to -27.0%)#**	-19.7% (-38.6% to 4.6%)	-20.5% (-38.7% to 1.6%)	**-25.0% (-37.1% to -10.5%)#**	**-33.1% (-39.5% to -26.5%)#**
New Zealand	Death #, 1990	197 (181 to 213)	58 (51 to 65)	339 (317 to 361)	105 (93 to 118)	59 (57 to 61)	64 (63 to 65)	294 (291 to 298)	593 (558 to 629)	698 (662 to 736)	1,115 (1,075 to 1,159)	358 (354 to 363)
	Death #, 2000	164 (152 to 175)	35 (30 to 41)	151 (142 to 159)	85 (76 to 95)	50 (48 to 52)	64 (63 to 65)	184 (181 to 186)	349 (330 to 367)	435 (413 to 456)	732 (707 to 758)	248 (244 to 251)
	Death #, 2017	122 (110 to 134)	26 (24 to 29)	81 (74 to 89)	43 (38 to 49)	42 (38 to 45)	32 (30 to 33)	122 (116 to 129)	229 (208 to 252)	272 (245 to 300)	468 (436 to 502)	154 (147 to 162)
	% change 1990-2017	**-38.1% (-45.3% to -29.7%)#**	**-54.2% (-60.9% to -46.6%)#**	**-76.1% (-78.6% to -73.2%)#**	**-59.2% (-66.0% to -51.8%)#**	**-29.2% (-35.3% to -22.8%)#**	**-50.2% (-52.7% to -47.5%)#**	**-58.5% (-60.5% to -56.2%)#**	**-61.3% (-65.4% to -57.0%)#**	**-61.0% (-65.2% to -56.6%)#**	**-58.0% (-61.3% to -54.7%)#**	**-57.0% (-59.0% to -54.8%)#**
	% change 2000-2017	**-25.5% (-33.8% to -16.2%)#**	**-24.6% (-36.5% to -9.8%)#**	**-46.1% (-51.1% to -40.6%)#**	**-50.0% (-57.6% to -40.7%)#**	**-16.8% (-23.5% to -9.3%)#**	**-50.2% (-52.6% to -47.6%)#**	**-33.3% (-36.7% to -29.8%)#**	**-34.3% (-40.9% to -27.6%)#**	**-37.4% (-43.5% to -30.6%)#**	**-36.1% (-40.7% to -31.1%)#**	**-37.7% (-40.6% to -34.7%)#**
High-income Asia Pacific	Death #, 1990	4,105 (3,756 to 4,480)	1,487 (1,342 to 1,660)	4,307 (3,891 to 4,767)	4,677 (4,297 to 5,108)	4,176 (3,882 to 4,502)	3,247 (3,135 to 3,369)	8,445 (8,370 to 8,522)	9,898 (9,368 to 10,443)	14,575 (13,708 to 15,538)	30,443 (29,095 to 31,933)	11,692 (11,505 to 11,890)
	% of global total, 1990	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.5% (0.5% to 0.5%)	0.7% (0.7% to 0.7%)	1.2% (1.2% to 1.3%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.2% (0.2% to 0.2%)	1.0% (1.0% to 1.1%)
	Death #, 2000	2,752 (2,627 to 2,876)	1,134 (1,045 to 1,229)	3,077 (2,878 to 3,270)	2,893 (2,705 to 3,101)	1,716 (1,698 to 1,734)	1,436 (1,428 to 1,446)	4,352 (4,341 to 4,362)	6,963 (6,749 to 7,162)	9,856 (9,721 to 10,006)	17,360 (17,203 to 17,537)	5,788 (5,769 to 5,805)
	% of global total, 2000	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.2% (0.2% to 0.2%)	0.3% (0.3% to 0.3%)	0.6% (0.6% to 0.7%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.5% (0.5% to 0.5%)
	Death #, 2017	1,194 (1,102 to 1,275)	484 (441 to 524)	1,320 (1,187 to 1,458)	1,004 (962 to 1,049)	675 (657 to 692)	668 (657 to 679)	1,992 (1,941 to 2,046)	2,998 (2,838 to 3,166)	4,002 (3,809 to 4,209)	7,337 (7,102 to 7,579)	2,660 (2,601 to 2,723)
	% of global total, 2017	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.2% (0.2% to 0.2%)	0.2% (0.2% to 0.2%)	0.4% (0.4% to 0.4%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.3% (0.3% to 0.3%)
	% change 1990-2017	**-70.9% (-74.3% to -67.1%)#**	**-67.4% (-72.0% to -62.3%)#**	**-69.4% (-74.0% to -63.9%)#**	**-78.5% (-80.5% to -76.5%)#**	**-83.8% (-85.0% to -82.5%)#**	**-79.4% (-80.2% to -78.6%)#**	**-76.4% (-77.1% to -75.8%)#**	**-69.7% (-71.8% to -67.4%)#**	**-72.5% (-74.5% to -70.4%)#**	**-75.9% (-77.2% to -74.6%)#**	**-77.2% (-77.9% to -76.6%)#**
	% change 2000-2017	**-56.6% (-60.8% to -52.6%)#**	**-57.3% (-62.6% to -51.4%)#**	**-57.1% (-62.4% to -51.4%)#**	**-65.3% (-68.1% to -62.4%)#**	**-60.7% (-61.7% to -59.5%)#**	**-53.5% (-54.3% to -52.7%)#**	**-54.2% (-55.4% to -53.0%)#**	**-57.0% (-59.3% to -54.2%)#**	**-59.4% (-61.4% to -57.3%)#**	**-57.7% (-59.1% to -56.3%)#**	**-54.0% (-55.1% to -52.9%)#**
Brunei	Death #, 1990	29 (25 to 33)	9 (7 to 11)	23 (20 to 26)	18 (15 to 22)	12 (11 to 13)	14 (14 to 15)	21 (20 to 22)	61 (54 to 68)	79 (72 to 86)	127 (119 to 136)	36 (34 to 37)
	Death #, 2000	27 (24 to 31)	9 (7 to 10)	21 (18 to 24)	14 (12 to 17)	10 (9 to 10)	12 (11 to 12)	20 (19 to 21)	56 (49 to 65)	70 (61 to 81)	112 (102 to 124)	32 (31 to 33)
	Death #, 2017	21 (17 to 24)	8 (7 to 10)	23 (19 to 27)	8 (7 to 10)	7 (6 to 9)	10 (9 to 11)	24 (22 to 26)	52 (43 to 61)	60 (50 to 71)	101 (89 to 116)	34 (30 to 36)
	% change 1990-2017	**-29.1% (-44.7% to -10.0%)#**	-3.3% (-23.2% to 20.4%)	-0.5% (-22.2% to 25.6%)	**-53.7% (-63.1% to -42.9%)#**	**-40.4% (-49.1% to -26.6%)#**	**-32.2% (-40.2% to -21.3%)#**	**11.8% (1.7% to 22.7%)#**	-14.6% (-31.6% to 6.2%)	**-23.7% (-36.8% to -8.4%)#**	**-20.3% (-31.2% to -8.0%)#**	-6.0% (-14.8% to 2.9%)
	% change 2000-2017	**-24.3% (-38.9% to -4.7%)#**	-2.3% (-21.6% to 20.9%)	11.4% (-10.5% to 40.5%)	**-39.9% (-52.2% to -24.5%)#**	**-26.0% (-37.3% to -8.1%)#**	**-17.7% (-27.9% to -3.8%)#**	**19.4% (7.6% to 31.8%)#**	-8.0% (-25.5% to 15.5%)	-14.4% (-30.7% to 6.5%)	-9.8% (-23.1% to 6.1%)	5.5% (-5.1% to 16.4%)
Japan	Death #, 1990	2,394 (2,322 to 2,472)	871 (825 to 917)	2,399 (2,345 to 2,456)	2,276 (2,197 to 2,356)	1,410 (1,400 to 1,420)	1,250 (1,245 to 1,255)	4,366 (4,356 to 4,376)	5,665 (5,567 to 5,761)	7,941 (7,853 to 8,030)	14,967 (14,856 to 15,072)	5,616 (5,602 to 5,630)
	Death #, 2000	1,502 (1,445 to 1,555)	619 (584 to 655)	1,727 (1,679 to 1,773)	1,442 (1,390 to 1,497)	758 (751 to 764)	759 (755 to 762)	2,490 (2,484 to 2,496)	3,848 (3,761 to 3,937)	5,290 (5,213 to 5,369)	9,297 (9,208 to 9,384)	3,249 (3,240 to 3,258)
	Death #, 2017	716 (663 to 772)	250 (232 to 271)	755 (707 to 806)	688 (655 to 726)	427 (415 to 438)	438 (430 to 446)	1,218 (1,189 to 1,248)	1,720 (1,604 to 1,847)	2,409 (2,265 to 2,567)	4,492 (4,327 to 4,673)	1,656 (1,621 to 1,693)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 1990-2017	**-70.1% (-72.5% to -67.4%)#**	**-71.3% (-73.8% to -68.4%)#**	**-68.5% (-70.6% to -66.4%)#**	**-69.8% (-71.6% to -67.9%)#**	**-69.7% (-70.6% to -68.9%)#**	**-64.9% (-65.6% to -64.3%)#**	**-72.1% (-72.8% to -71.4%)#**	**-69.6% (-71.8% to -67.3%)#**	**-69.7% (-71.5% to -67.7%)#**	**-70.0% (-71.1% to -68.8%)#**	**-70.5% (-71.1% to -69.8%)#**
	% change 2000-2017	**-52.4% (-56.1% to -48.2%)#**	**-59.6% (-63.3% to -55.4%)#**	**-56.3% (-59.1% to -53.1%)#**	**-52.3% (-55.0% to -49.0%)#**	**-43.7% (-45.2% to -42.1%)#**	**-42.2% (-43.3% to -41.2%)#**	**-51.1% (-52.2% to -49.9%)#**	**-55.3% (-58.5% to -52.0%)#**	**-54.5% (-57.3% to -51.6%)#**	**-51.7% (-53.5% to -49.8%)#**	**-49.0% (-50.1% to -47.8%)#**
Aichi	Death #, 1990	121 (106 to 140)	50 (40 to 61)	133 (119 to 147)	112 (93 to 132)	75 (72 to 78)	59 (58 to 61)	258 (255 to 261)	304 (283 to 325)	416 (395 to 439)	807 (781 to 835)	317 (313 to 321)
	Death #, 2000	77 (66 to 89)	34 (27 to 42)	99 (89 to 110)	82 (69 to 94)	41 (40 to 43)	48 (47 to 49)	164 (162 to 166)	209 (190 to 230)	291 (276 to 308)	544 (525 to 564)	212 (209 to 214)
	Death #, 2017	43 (31 to 59)	16 (12 to 23)	50 (37 to 65)	42 (35 to 50)	27 (24 to 31)	28 (25 to 30)	74 (66 to 84)	109 (80 to 146)	151 (115 to 196)	280 (236 to 332)	102 (92 to 113)
	% change 1990-2017	**-64.6% (-75.8% to -48.6%)#**	**-67.3% (-78.1% to -51.1%)#**	**-62.5% (-72.4% to -49.2%)#**	**-62.8% (-71.1% to -52.8%)#**	**-63.1% (-67.5% to -58.0%)#**	**-53.4% (-57.2% to -49.0%)#**	**-71.3% (-74.6% to -67.4%)#**	**-64.1% (-73.8% to -50.5%)#**	**-63.8% (-72.5% to -52.4%)#**	**-65.3% (-70.8% to -58.6%)#**	**-67.9% (-71.2% to -64.2%)#**
	% change 2000-2017	**-44.3% (-60.9% to -19.9%)#**	**-51.6% (-67.9% to -28.1%)#**	**-49.6% (-63.0% to -32.6%)#**	**-49.0% (-59.2% to -35.5%)#**	**-33.7% (-41.5% to -24.6%)#**	**-41.7% (-46.6% to -36.2%)#**	**-54.8% (-60.0% to -48.8%)#**	**-48.0% (-62.3% to -29.3%)#**	**-48.3% (-60.7% to -32.3%)#**	**-48.6% (-56.5% to -38.6%)#**	**-51.9% (-56.8% to -46.4%)#**
Akita	Death #, 1990	28 (23 to 34)	7 (5 to 10)	20 (17 to 23)	24 (21 to 29)	14 (13 to 15)	13 (12 to 13)	35 (34 to 35)	55 (49 to 62)	79 (73 to 86)	141 (134 to 149)	48 (47 to 49)
	Death #, 2000	12 (10 to 14)	4 (3 to 5)	10 (9 to 12)	12 (10 to 15)	9 (8 to 10)	7 (7 to 7)	26 (25 to 26)	26 (24 to 29)	38 (35 to 42)	80 (76 to 84)	33 (32 to 33)
	Death #, 2017	3 (2 to 5)	2 (1 to 2)	5 (3 to 6)	5 (4 to 6)	4 (4 to 5)	4 (4 to 5)	9 (8 to 10)	9 (7 to 13)	14 (10 to 19)	32 (27 to 38)	14 (12 to 15)
	% change 1990-2017	**-88.0% (-92.4% to -82.1%)#**	**-78.8% (-87.3% to -65.6%)#**	**-77.2% (-84.2% to -68.2%)#**	**-80.5% (-84.8% to -75.3%)#**	**-68.3% (-73.2% to -63.1%)#**	**-65.9% (-69.2% to -62.3%)#**	**-73.6% (-76.8% to -70.0%)#**	**-82.9% (-88.5% to -76.1%)#**	**-82.2% (-87.1% to -76.2%)#**	**-77.2% (-81.0% to -72.8%)#**	**-71.5% (-74.5% to -68.0%)#**
	% change 2000-2017	**-71.7% (-81.4% to -57.8%)#**	**-63.9% (-77.3% to -44.7%)#**	**-55.0% (-68.2% to -36.5%)#**	**-60.6% (-71.0% to -46.1%)#**	**-50.1% (-57.8% to -41.3%)#**	**-36.2% (-43.0% to -29.2%)#**	**-64.5% (-68.9% to -59.8%)#**	**-64.0% (-75.0% to -49.4%)#**	**-63.0% (-73.0% to -50.1%)#**	**-59.7% (-66.5% to -51.9%)#**	**-58.6% (-63.1% to -53.5%)#**
Aomori	Death #, 1990	41 (34 to 49)	10 (7 to 13)	32 (28 to 36)	32 (27 to 38)	23 (22 to 24)	12 (12 to 13)	42 (42 to 43)	83 (74 to 93)	115 (106 to 124)	193 (183 to 204)	55 (54 to 56)
	Death #, 2000	23 (20 to 27)	7 (5 to 8)	18 (15 to 20)	17 (13 to 20)	7 (7 to 7)	9 (8 to 9)	28 (28 to 29)	48 (44 to 52)	64 (59 to 69)	108 (102 to 114)	37 (36 to 37)
	Death #, 2017	7 (5 to 10)	2 (2 to 3)	6 (5 to 8)	8 (6 to 10)	5 (4 to 6)	4 (4 to 5)	13 (12 to 15)	16 (11 to 22)	23 (17 to 31)	46 (39 to 56)	18 (16 to 20)
	% change 1990-2017	**-82.2% (-88.4% to -73.9%)#**	**-76.4% (-85.1% to -63.4%)#**	**-80.7% (-86.0% to -73.9%)#**	**-76.0% (-82.6% to -68.2%)#**	**-78.9% (-82.2% to -75.5%)#**	**-64.4% (-67.9% to -60.6%)#**	**-68.1% (-71.9% to -63.8%)#**	**-80.9% (-86.7% to -73.9%)#**	**-79.6% (-85.1% to -73.0%)#**	**-76.0% (-80.3% to -71.2%)#**	**-67.2% (-70.7% to -63.5%)#**
	% change 2000-2017	**-68.8% (-78.7% to -55.9%)#**	**-65.8% (-77.6% to -48.3%)#**	**-64.8% (-74.7% to -50.7%)#**	**-53.9% (-67.0% to -36.8%)#**	**-29.4% (-40.5% to -17.0%)#**	**-48.4% (-53.7% to -42.7%)#**	**-52.1% (-57.7% to -45.7%)#**	**-67.0% (-76.7% to -54.5%)#**	**-63.6% (-73.4% to -50.9%)#**	**-57.2% (-64.8% to -47.8%)#**	**-51.2% (-56.5% to -45.5%)#**
Chiba	Death #, 1990	90 (78 to 106)	36 (29 to 45)	98 (88 to 109)	89 (75 to 103)	60 (58 to 63)	51 (50 to 51)	220 (217 to 222)	225 (208 to 244)	314 (299 to 329)	645 (626 to 663)	270 (267 to 274)
	Death #, 2000	64 (55 to 74)	28 (22 to 35)	82 (74 to 92)	72 (61 to 83)	29 (28 to 30)	34 (33 to 35)	119 (118 to 120)	174 (158 to 192)	246 (233 to 261)	429 (413 to 445)	153 (151 to 155)
	Death #, 2017	39 (28 to 55)	14 (10 to 19)	41 (31 to 54)	38 (31 to 45)	19 (17 to 21)	22 (20 to 24)	62 (55 to 70)	94 (70 to 127)	132 (101 to 172)	235 (197 to 280)	84 (76 to 93)
	% change 1990-2017	**-56.3% (-70.5% to -35.9%)#**	**-62.1% (-75.0% to -43.4%)#**	**-58.2% (-69.3% to -43.9%)#**	**-57.8% (-66.4% to -47.4%)#**	**-68.9% (-72.6% to -64.7%)#**	**-56.9% (-60.5% to -53.0%)#**	**-71.6% (-74.8% to -68.0%)#**	**-58.1% (-70.0% to -43.3%)#**	**-58.0% (-68.2% to -45.2%)#**	**-63.6% (-69.3% to -56.5%)#**	**-68.9% (-72.0% to -65.3%)#**
	% change 2000-2017	**-38.8% (-57.4% to -11.6%)#**	**-50.0% (-67.1% to -25.1%)#**	**-50.1% (-63.2% to -33.6%)#**	**-47.7% (-58.7% to -33.9%)#**	**-35.9% (-43.5% to -26.9%)#**	**-36.3% (-42.0% to -30.3%)#**	**-47.5% (-53.5% to -41.0%)#**	**-45.9% (-61.0% to -25.7%)#**	**-46.4% (-59.1% to -29.8%)#**	**-45.2% (-54.2% to -34.3%)#**	**-45.0% (-50.5% to -39.1%)#**
Ehime	Death #, 1990	30 (25 to 36)	10 (8 to 13)	29 (26 to 32)	28 (24 to 33)	16 (16 to 17)	15 (15 to 16)	46 (46 to 47)	69 (62 to 76)	97 (90 to 105)	175 (166 to 184)	62 (61 to 63)
	Death #, 2000	14 (12 to 16)	6 (4 to 7)	19 (17 to 20)	15 (12 to 18)	9 (8 to 10)	8 (8 to 9)	31 (30 to 31)	38 (35 to 42)	54 (50 to 58)	102 (97 to 107)	39 (39 to 40)
	Death #, 2017	6 (4 to 8)	2 (2 to 3)	6 (5 to 8)	6 (5 to 8)	7 (6 to 8)	5 (5 to 6)	16 (14 to 18)	14 (10 to 20)	20 (15 to 27)	48 (41 to 58)	21 (19 to 24)
	% change 1990-2017	**-81.4% (-88.1% to -72.3%)#**	**-76.0% (-85.3% to -62.8%)#**	**-78.2% (-84.0% to -70.8%)#**	**-77.9% (-83.8% to -70.8%)#**	**-59.1% (-65.4% to -52.5%)#**	**-64.4% (-67.9% to -60.5%)#**	**-66.0% (-70.2% to -61.1%)#**	**-79.3% (-85.7% to -71.5%)#**	**-78.9% (-84.9% to -72.0%)#**	**-72.3% (-77.0% to -67.0%)#**	**-65.6% (-69.5% to -61.3%)#**
	% change 2000-2017	**-61.0% (-73.5% to -44.4%)#**	**-57.5% (-72.6% to -36.0%)#**	**-66.3% (-75.5% to -53.9%)#**	**-58.9% (-70.7% to -43.2%)#**	**-25.7% (-37.3% to -13.0%)#**	**-35.9% (-42.4% to -28.6%)#**	**-48.9% (-55.2% to -41.7%)#**	**-63.0% (-73.8% to -49.1%)#**	**-61.9% (-72.4% to -48.7%)#**	**-52.6% (-60.4% to -43.4%)#**	**-46.1% (-52.2% to -39.1%)#**
Fukui	Death #, 1990	16 (13 to 20)	6 (5 to 8)	14 (13 to 16)	15 (12 to 17)	10 (10 to 11)	9 (9 to 10)	26 (25 to 26)	37 (33 to 42)	52 (48 to 57)	98 (92 to 104)	35 (35 to 36)
	Death #, 2000	10 (9 to 12)	5 (4 to 6)	11 (10 to 12)	8 (6 to 10)	5 (5 to 6)	8 (7 to 8)	16 (16 to 17)	26 (23 to 28)	33 (31 to 36)	63 (59 to 66)	24 (23 to 24)
	Death #, 2017	4 (2 to 5)	1 (1 to 2)	4 (3 to 5)	4 (3 to 5)	4 (3 to 4)	3 (2 to 3)	6 (6 to 7)	9 (6 to 12)	13 (9 to 17)	25 (21 to 31)	9 (8 to 10)
	% change 1990-2017	**-77.7% (-85.4% to -66.6%)#**	**-77.9% (-86.3% to -64.9%)#**	**-73.1% (-80.8% to -62.8%)#**	**-75.3% (-82.2% to -67.1%)#**	**-64.8% (-70.1% to -58.4%)#**	**-72.2% (-74.8% to -69.2%)#**	**-75.3% (-77.8% to -72.5%)#**	**-76.0% (-83.4% to -66.2%)#**	**-75.8% (-82.5% to -67.2%)#**	**-74.1% (-78.7% to -68.6%)#**	**-74.4% (-76.8% to -71.7%)#**
	% change 2000-2017	**-64.8% (-75.7% to -49.1%)#**	**-69.3% (-80.5% to -54.4%)#**	**-63.8% (-74.1% to -50.3%)#**	**-53.0% (-66.9% to -33.9%)#**	**-31.6% (-42.3% to -19.2%)#**	**-66.1% (-69.5% to -62.5%)#**	**-60.5% (-64.6% to -55.8%)#**	**-65.2% (-75.5% to -50.9%)#**	**-62.4% (-72.8% to -48.7%)#**	**-59.7% (-67.2% to -50.9%)#**	**-62.3% (-65.9% to -58.2%)#**
Fukuoka	Death #, 1990	93 (81 to 107)	39 (31 to 49)	101 (90 to 111)	99 (84 to 116)	55 (53 to 57)	49 (49 to 50)	167 (165 to 169)	232 (215 to 250)	332 (316 to 348)	603 (584 to 622)	216 (214 to 219)
	Death #, 2000	64 (54 to 74)	23 (19 to 29)	70 (62 to 79)	59 (50 to 68)	36 (35 to 38)	32 (31 to 33)	110 (108 to 111)	157 (140 to 174)	217 (203 to 229)	395 (379 to 411)	142 (140 to 144)
	Death #, 2017	34 (24 to 46)	10 (8 to 14)	34 (26 to 45)	33 (27 to 39)	20 (18 to 23)	16 (15 to 17)	43 (38 to 49)	78 (58 to 105)	111 (86 to 144)	190 (160 to 227)	59 (53 to 66)
	% change 1990-2017	**-63.7% (-75.1% to -47.3%)#**	**-73.1% (-82.3% to -59.2%)#**	**-65.9% (-74.9% to -54.0%)#**	**-67.1% (-73.8% to -58.3%)#**	**-62.7% (-67.0% to -57.4%)#**	**-68.0% (-70.7% to -65.0%)#**	**-74.2% (-77.4% to -70.7%)#**	**-66.2% (-75.5% to -54.2%)#**	**-66.5% (-74.5% to -55.8%)#**	**-68.4% (-73.5% to -61.8%)#**	**-72.8% (-75.7% to -69.6%)#**
	% change 2000-2017	**-47.2% (-63.1% to -23.7%)#**	**-55.1% (-70.0% to -33.4%)#**	**-51.2% (-64.3% to -35.3%)#**	**-44.6% (-56.0% to -30.4%)#**	**-43.7% (-50.7% to -35.3%)#**	**-50.8% (-55.0% to -46.0%)#**	**-60.9% (-65.6% to -55.5%)#**	**-50.2% (-64.3% to -32.0%)#**	**-48.6% (-61.0% to -33.1%)#**	**-51.8% (-59.6% to -42.0%)#**	**-58.6% (-63.1% to -53.7%)#**
Fukushima	Death #, 1990	42 (36 to 49)	16 (13 to 21)	50 (45 to 57)	45 (38 to 52)	31 (30 to 33)	25 (25 to 26)	69 (68 to 70)	108 (100 to 117)	153 (145 to 161)	279 (270 to 289)	94 (93 to 96)
	Death #, 2000	20 (17 to 24)	8 (6 to 11)	30 (26 to 34)	25 (20 to 29)	11 (10 to 11)	18 (17 to 18)	53 (52 to 54)	59 (53 to 65)	84 (77 to 90)	165 (157 to 173)	71 (69 to 72)
	Death #, 2017	9 (6 to 13)	3 (2 to 4)	11 (9 to 15)	10 (8 to 13)	6 (5 to 7)	6 (5 to 6)	24 (21 to 27)	24 (17 to 32)	34 (25 to 45)	69 (58 to 82)	29 (26 to 33)
	% change 1990-2017	**-78.2% (-85.6% to -68.4%)#**	**-81.7% (-88.5% to -71.7%)#**	**-77.1% (-83.4% to -68.9%)#**	**-77.7% (-83.6% to -70.4%)#**	**-80.9% (-83.7% to -77.9%)#**	**-78.2% (-80.3% to -75.9%)#**	**-65.8% (-70.0% to -61.3%)#**	**-78.2% (-84.7% to -70.0%)#**	**-78.0% (-84.0% to -70.7%)#**	**-75.4% (-79.4% to -70.4%)#**	**-69.2% (-72.7% to -65.4%)#**
	% change 2000-2017	**-54.8% (-69.1% to -35.1%)#**	**-64.2% (-76.9% to -44.5%)#**	**-61.9% (-72.5% to -47.6%)#**	**-59.9% (-70.9% to -46.2%)#**	**-44.8% (-53.2% to -35.9%)#**	**-68.5% (-71.7% to -65.3%)#**	**-55.4% (-60.9% to -49.4%)#**	**-59.8% (-71.5% to -44.6%)#**	**-59.8% (-70.5% to -46.6%)#**	**-58.4% (-65.3% to -50.1%)#**	**-58.7% (-63.3% to -53.5%)#**
	Death #, 1990	35 (29 to 43)	15 (12 to 19)	34 (31 to 37)	37 (32 to 44)	27 (26 to 29)	23 (22 to 23)	70 (69 to 71)	85 (77 to 93)	122 (114 to 131)	242 (231 to 253)	93 (91 to 94)
	Death #, 2000	24 (20 to 27)	10 (8 to 12)	26 (23 to 29)	24 (20 to 29)	21 (20 to 22)	18 (18 to 19)	40 (39 to 41)	59 (53 to 65)	83 (77 to 90)	162 (154 to 171)	58 (57 to 59)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Gifu	Death #, 2017	12 (8 to 17)	4 (3 to 6)	12 (9 to 15)	12 (9 to 15)	8 (7 to 10)	7 (6 to 8)	24 (21 to 27)	28 (20 to 38)	40 (30 to 53)	79 (66 to 95)	31 (28 to 35)
	% change 1990-2017	**-65.7% (-77.9% to -48.9%)#**	**-73.9% (-83.5% to -60.6%)#**	**-66.0% (-75.0% to -54.1%)#**	**-67.5% (-76.0% to -57.2%)#**	**-69.3% (-73.7% to -64.4%)#**	**-70.1% (-72.9% to -67.1%)#**	**-65.6% (-69.8% to -61.2%)#**	**-67.3% (-77.3% to -54.9%)#**	**-67.3% (-76.5% to -56.5%)#**	**-67.3% (-73.1% to -60.9%)#**	**-66.7% (-70.3% to -62.7%)#**
	% change 2000-2017	**-48.3% (-64.5% to -26.0%)#**	**-58.8% (-73.2% to -38.5%)#**	**-55.0% (-67.4% to -38.7%)#**	**-50.4% (-63.8% to -33.9%)#**	**-60.2% (-66.2% to -53.4%)#**	**-62.5% (-66.3% to -58.7%)#**	**-39.8% (-46.8% to -31.6%)#**	**-52.9% (-66.4% to -34.7%)#**	**-52.2% (-64.8% to -35.2%)#**	**-51.4% (-59.8% to -41.2%)#**	**-46.9% (-52.6% to -40.2%)#**
Gunma	Death #, 1990	38 (32 to 46)	12 (10 to 15)	35 (32 to 38)	33 (28 to 39)	18 (18 to 19)	21 (21 to 22)	74 (72 to 75)	85 (78 to 94)	119 (111 to 127)	232 (222 to 242)	95 (93 to 97)
	Death #, 2000	25 (22 to 30)	8 (6 to 9)	27 (24 to 30)	21 (17 to 25)	10 (9 to 11)	11 (11 to 12)	47 (46 to 48)	60 (54 to 67)	81 (74 to 89)	150 (142 to 159)	59 (57 to 60)
	Death #, 2017	11 (7 to 15)	3 (2 to 4)	10 (7 to 13)	10 (8 to 12)	6 (5 to 7)	8 (8 to 9)	24 (21 to 27)	23 (17 to 32)	33 (24 to 45)	72 (60 to 85)	32 (29 to 37)
	% change 1990-2017	**-71.5% (-81.7% to -57.8%)#**	**-76.5% (-85.3% to -64.3%)#**	**-72.6% (-80.0% to -62.9%)#**	**-70.5% (-78.3% to -61.2%)#**	**-66.8% (-71.8% to -61.5%)#**	**-60.2% (-64.2% to -56.0%)#**	**-67.6% (-72.0% to -62.8%)#**	**-72.7% (-81.2% to -62.4%)#**	**-72.0% (-79.9% to -62.8%)#**	**-69.1% (-74.2% to -63.2%)#**	**-65.9% (-69.9% to -61.4%)#**
	% change 2000-2017	**-57.2% (-71.1% to -37.9%)#**	**-62.9% (-75.2% to -45.5%)#**	**-64.6% (-74.4% to -51.9%)#**	**-53.5% (-66.5% to -37.2%)#**	**-39.5% (-48.3% to -29.5%)#**	**-24.4% (-32.1% to -16.8%)#**	**-49.5% (-56.2% to -42.2%)#**	**-61.3% (-72.4% to -46.1%)#**	**-59.3% (-70.0% to -44.8%)#**	**-52.3% (-60.2% to -42.8%)#**	**-44.7% (-51.0% to -37.7%)#**
Hiroshima	Death #, 1990	49 (42 to 59)	18 (14 to 22)	59 (53 to 65)	53 (45 to 62)	33 (32 to 35)	29 (28 to 30)	102 (100 to 103)	127 (116 to 138)	179 (168 to 191)	343 (329 to 358)	131 (129 to 133)
	Death #, 2000	26 (22 to 31)	10 (8 to 13)	38 (34 to 42)	31 (26 to 36)	20 (19 to 21)	19 (19 to 20)	58 (57 to 59)	75 (67 to 83)	105 (98 to 113)	203 (193 to 212)	77 (76 to 79)
	Death #, 2017	15 (10 to 21)	5 (4 to 7)	17 (12 to 22)	15 (12 to 19)	7 (6 to 8)	9 (8 to 10)	28 (25 to 32)	37 (26 to 50)	52 (38 to 69)	97 (81 to 116)	38 (34 to 42)
	% change 1990-2017	**-70.2% (-81.0% to -56.0%)#**	**-71.6% (-82.3% to -57.4%)#**	**-71.6% (-79.1% to -61.5%)#**	**-71.2% (-78.8% to -62.1%)#**	**-77.8% (-80.8% to -74.2%)#**	**-68.2% (-71.2% to -64.9%)#**	**-72.2% (-75.4% to -68.7%)#**	**-71.0% (-79.9% to -60.2%)#**	**-71.1% (-79.0% to -61.3%)#**	**-71.8% (-76.7% to -65.9%)#**	**-71.3% (-74.2% to -68.0%)#**
	% change 2000-2017	**-44.0% (-62.3% to -18.1%)#**	**-50.5% (-67.6% to -27.3%)#**	**-55.9% (-68.4% to -39.9%)#**	**-50.4% (-63.3% to -34.5%)#**	**-63.2% (-68.4% to -57.3%)#**	**-52.4% (-57.0% to -47.4%)#**	**-51.1% (-56.8% to -45.0%)#**	**-51.0% (-65.5% to -31.8%)#**	**-50.8% (-64.1% to -34.2%)#**	**-52.3% (-60.7% to -42.3%)#**	**-51.5% (-56.5% to -45.8%)#**
Hokkaido	Death #, 1990	113 (97 to 130)	34 (27 to 43)	111 (98 to 123)	121 (101 to 141)	81 (78 to 84)	61 (59 to 62)	212 (210 to 214)	258 (240 to 276)	378 (360 to 398)	731 (709 to 756)	273 (269 to 276)
	Death #, 2000	58 (50 to 67)	22 (17 to 27)	67 (59 to 75)	68 (56 to 79)	39 (37 to 41)	36 (35 to 37)	135 (133 to 136)	146 (133 to 161)	214 (201 to 226)	424 (408 to 438)	171 (169 to 173)
	Death #, 2017	29 (21 to 39)	9 (6 to 12)	27 (20 to 35)	26 (21 to 30)	15 (13 to 17)	17 (16 to 19)	51 (45 to 57)	65 (48 to 87)	90 (69 to 118)	173 (147 to 205)	68 (61 to 75)
	% change 1990-2017	**-74.6% (-82.5% to -63.2%)#**	**-74.0% (-82.9% to -60.2%)#**	**-75.5% (-82.0% to -66.9%)#**	**-78.8% (-83.4% to -73.4%)#**	**-81.6% (-83.8% to -78.9%)#**	**-71.7% (-74.0% to -69.0%)#**	**-76.0% (-78.8% to -73.1%)#**	**-74.9% (-81.8% to -65.5%)#**	**-76.2% (-81.8% to -68.7%)#**	**-76.3% (-79.8% to -72.0%)#**	**-75.0% (-77.6% to -72.2%)#**
	% change 2000-2017	**-50.5% (-64.8% to -29.4%)#**	**-58.8% (-72.6% to -38.4%)#**	**-59.3% (-70.1% to -45.4%)#**	**-62.3% (-70.2% to -52.1%)#**	**-62.0% (-66.4% to -56.9%)#**	**-52.6% (-56.7% to -48.4%)#**	**-62.2% (-66.6% to -57.5%)#**	**-55.7% (-67.7% to -39.3%)#**	**-57.8% (-67.6% to -45.2%)#**	**-59.1% (-65.1% to -51.9%)#**	**-60.2% (-64.3% to -55.8%)#**
Hyogo	Death #, 1990	104 (89 to 120)	41 (31 to 54)	99 (85 to 115)	98 (79 to 119)	61 (59 to 63)	58 (57 to 59)	188 (186 to 190)	245 (223 to 268)	342 (327 to 360)	649 (630 to 671)	246 (243 to 249)
	Death #, 2000	63 (53 to 75)	27 (22 to 32)	73 (64 to 84)	62 (51 to 74)	36 (34 to 38)	35 (34 to 36)	101 (100 to 102)	164 (147 to 180)	226 (212 to 240)	398 (381 to 416)	136 (134 to 138)
	Death #, 2017	24 (17 to 33)	10 (7 to 13)	31 (23 to 40)	30 (25 to 35)	19 (17 to 22)	20 (18 to 22)	53 (46 to 60)	64 (48 to 87)	94 (72 to 122)	185 (158 to 219)	72 (65 to 81)
	% change 1990-2017	**-76.9% (-84.2% to -66.9%)#**	**-76.8% (-85.0% to -64.0%)#**	**-69.0% (-77.3% to -57.2%)#**	**-69.8% (-76.9% to -60.3%)#**	**-68.8% (-72.5% to -64.2%)#**	**-66.0% (-69.1% to -62.8%)#**	**-72.0% (-75.3% to -68.3%)#**	**-73.7% (-80.9% to -63.6%)#**	**-72.5% (-79.0% to -64.4%)#**	**-71.5% (-75.8% to -66.1%)#**	**-70.6% (-73.8% to -67.2%)#**
	% change 2000-2017	**-62.1% (-73.5% to -45.0%)#**	**-64.4% (-76.2% to -46.3%)#**	**-57.9% (-69.5% to -42.3%)#**	**-52.5% (-63.3% to -37.8%)#**	**-47.3% (-54.0% to -39.3%)#**	**-43.8% (-48.7% to -38.2%)#**	**-47.9% (-54.0% to -41.0%)#**	**-60.6% (-71.2% to -46.0%)#**	**-58.4% (-68.2% to -45.2%)#**	**-53.4% (-60.3% to -44.5%)#**	**-46.9% (-52.4% to -40.7%)#**
Ibaraki	Death #, 1990	53 (46 to 61)	17 (14 to 21)	55 (49 to 62)	55 (45 to 65)	36 (34 to 38)	39 (38 to 40)	171 (169 to 174)	125 (116 to 135)	180 (169 to 192)	426 (412 to 441)	210 (207 to 213)
	Death #, 2000	30 (26 to 36)	11 (9 to 13)	40 (36 to 46)	37 (32 to 43)	21 (20 to 22)	20 (19 to 20)	77 (76 to 78)	81 (73 to 91)	119 (111 to 127)	237 (227 to 247)	97 (95 to 98)
	Death #, 2017	19 (13 to 27)	6 (4 to 8)	19 (13 to 25)	15 (12 to 19)	11 (9 to 13)	13 (12 to 15)	37 (32 to 41)	44 (31 to 61)	59 (43 to 78)	120 (99 to 144)	50 (45 to 56)
	% change 1990-2017	**-63.5% (-76.1% to -46.6%)#**	**-64.9% (-78.1% to -45.6%)#**	**-65.8% (-75.7% to -53.0%)#**	**-73.0% (-80.4% to -63.6%)#**	**-70.3% (-75.2% to -64.8%)#**	**-65.3% (-69.0% to -61.4%)#**	**-78.6% (-81.2% to -76.0%)#**	**-64.7% (-75.5% to -50.8%)#**	**-67.2% (-76.3% to -55.3%)#**	**-71.9% (-76.9% to -65.8%)#**	**-76.2% (-78.7% to -73.5%)#**
	% change 2000-2017	**-36.0% (-56.7% to -7.1%)#**	**-43.4% (-63.5% to -16.5%)#**	**-53.5% (-67.5% to -35.9%)#**	**-60.8% (-70.9% to -48.5%)#**	**-49.5% (-58.0% to -40.1%)#**	**-32.4% (-39.8% to -24.6%)#**	**-52.4% (-58.0% to -46.4%)#**	**-45.7% (-62.5% to -23.7%)#**	**-50.4% (-64.5% to -33.5%)#**	**-49.5% (-58.6% to -38.8%)#**	**-48.3% (-53.9% to -42.4%)#**
Ishikawa	Death #, 1990	22 (18 to 26)	7 (5 to 9)	22 (19 to 25)	20 (17 to 23)	13 (12 to 14)	14 (13 to 14)	35 (35 to 36)	51 (45 to 57)	71 (65 to 76)	133 (126 to 140)	49 (48 to 50)
	Death #, 2000	14 (13 to 17)	6 (4 to 8)	17 (15 to 19)	12 (9 to 14)	9 (9 to 10)	7 (7 to 7)	19 (19 to 20)	37 (34 to 41)	49 (45 to 53)	85 (80 to 90)	26 (26 to 27)
	Death #, 2017	6 (4 to 8)	2 (2 to 3)	6 (4 to 7)	6 (4 to 7)	5 (5 to 6)	6 (5 to 6)	11 (10 to 12)	14 (10 to 19)	20 (14 to 26)	42 (35 to 50)	17 (15 to 18)
	% change 1990-2017	**-73.4% (-82.8% to -60.8%)#**	**-65.8% (-78.9% to -46.4%)#**	**-74.8% (-81.8% to -65.0%)#**	**-70.0% (-78.1% to -60.1%)#**	**-59.9% (-66.1% to -52.9%)#**	**-58.8% (-62.9% to -54.5%)#**	**-69.0% (-72.6% to -65.2%)#**	**-72.9% (-81.2% to -62.1%)#**	**-72.1% (-79.8% to -62.3%)#**	**-68.7% (-74.1% to -62.1%)#**	**-66.2% (-69.6% to -62.4%)#**
	% change 2000-2017	**-60.3% (-73.1% to -42.6%)#**	**-58.2% (-73.6% to -35.9%)#**	**-67.5% (-76.7% to -55.0%)#**	**-49.0% (-63.2% to -28.8%)#**	**-43.8% (-52.2% to -34.3%)#**	**-20.8% (-28.7% to -12.6%)#**	**-43.3% (-50.2% to -36.3%)#**	**-63.2% (-74.2% to -48.3%)#**	**-59.9% (-71.1% to -46.1%)#**	**-51.1% (-59.6% to -41.1%)#**	**-37.3% (-43.6% to -30.5%)#**
Iwate	Death #, 1990	22 (19 to 26)	8 (6 to 10)	25 (22 to 28)	29 (23 to 36)	20 (19 to 21)	13 (13 to 14)	46 (46 to 47)	55 (50 to 61)	84 (78 to 92)	164 (155 to 174)	60 (59 to 61)
	Death #, 2000	11 (10 to 13)	4 (3 to 5)	17 (15 to 19)	16 (12 to 20)	9 (8 to 9)	8 (8 to 8)	25 (25 to 26)	33 (29 to 36)	48 (44 to 52)	90 (85 to 95)	33 (33 to 34)
	Death #, 2017	7 (5 to 10)	3 (2 to 4)	7 (5 to 9)	8 (6 to 10)	5 (5 to 6)	4 (3 to 4)	13 (11 to 15)	16 (12 to 22)	24 (18 to 32)	46 (39 to 56)	17 (15 to 19)
	% change 1990-2017	**-68.5% (-79.0% to -53.8%)#**	**-68.7% (-79.7% to -51.0%)#**	**-73.1% (-80.3% to -63.3%)#**	**-72.7% (-80.7% to -61.9%)#**	**-73.0% (-77.1% to -68.1%)#**	**-71.6% (-74.5% to -68.5%)#**	**-71.9% (-75.2% to -68.2%)#**	**-70.6% (-79.0% to -59.6%)#**	**-71.3% (-79.4% to -61.4%)#**	**-71.7% (-76.8% to -65.6%)#**	**-71.8% (-74.9% to -68.5%)#**
	% change 2000-2017	**-38.1% (-58.3% to -11.0%)#**	**-40.6% (-62.5% to -6.7%)#**	**-60.2% (-71.2% to -44.7%)#**	**-49.4% (-64.9% to -27.1%)#**	**-38.8% (-48.2% to -28.2%)#**	**-52.0% (-56.8% to -46.9%)#**	**-48.7% (-54.8% to -41.7%)#**	**-49.9% (-64.8% to -30.2%)#**	**-49.8% (-63.1% to -32.5%)#**	**-48.6% (-57.8% to -37.7%)#**	**-49.5% (-54.9% to -43.1%)#**
Kagawa	Death #, 1990	19 (16 to 23)	7 (5 to 9)	17 (15 to 20)	17 (14 to 20)	16 (15 to 17)	11 (11 to 12)	37 (36 to 38)	43 (39 to 49)	60 (55 to 66)	124 (118 to 132)	48 (47 to 49)
	Death #, 2000	10 (9 to 11)	4 (3 to 5)	11 (10 to 12)	10 (8 to 13)	5 (4 to 5)	8 (8 to 8)	26 (26 to 27)	25 (23 to 27)	35 (32 to 38)	74 (70 to 78)	34 (33 to 35)
	Death #, 2017	4 (3 to 6)	2 (1 to 2)	5 (4 to 7)	5 (4 to 6)	3 (3 to 3)	5 (4 to 5)	11 (10 to 13)	12 (8 to 16)	17 (12 to 22)	36 (30 to 43)	16 (14 to 18)
	% change 1990-2017	**-76.7% (-84.9% to -65.6%)#**	**-74.7% (-84.5% to -59.2%)#**	**-68.4% (-77.7% to -56.0%)#**	**-70.3% (-78.5% to -60.4%)#**	**-81.5% (-84.3% to -77.9%)#**	**-58.1% (-62.4% to -53.6%)#**	**-69.1% (-72.9% to -64.9%)#**	**-73.1% (-81.3% to -62.4%)#**	**-72.3% (-79.8% to -62.1%)#**	**-71.3% (-76.1% to -65.4%)#**	**-66.6% (-70.2% to -62.6%)#**
	% change 2000-2017	**-54.2% (-68.5% to -34.7%)#**	**-53.7% (-70.9% to -27.5%)#**	**-51.2% (-64.4% to -33.4%)#**	**-51.1% (-65.7% to -30.9%)#**	**-34.6% (-44.7% to -22.9%)#**	**-42.0% (-47.7% to -35.8%)#**	**-56.4% (-61.7% to -50.7%)#**	**-52.8% (-66.7% to -34.3%)#**	**-52.3% (-65.6% to -35.5%)#**	**-51.5% (-59.7% to -41.9%)#**	**-53.0% (-58.0% to -47.6%)#**
	Death #, 1990	32 (27 to 38)	12 (10 to 15)	37 (34 to 41)	44 (37 to 52)	25 (24 to 26)	23 (22 to 24)	47 (46 to 48)	81 (74 to 89)	125 (117 to 133)	220 (211 to 231)	70 (69 to 71)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Kagoshima	Death #, 2000	14 (12 to 16)	7 (5 to 8)	28 (25 to 31)	24 (19 to 29)	11 (11 to 12)	10 (10 to 10)	39 (38 to 39)	48 (44 to 53)	72 (66 to 78)	133 (125 to 140)	49 (48 to 50)
	Death #, 2017	9 (7 to 13)	3 (2 to 4)	12 (9 to 15)	9 (7 to 12)	7 (6 to 8)	6 (5 to 6)	19 (16 to 21)	24 (17 to 33)	33 (25 to 45)	64 (53 to 78)	24 (21 to 27)
	% change 1990-2017	**-70.6% (-80.6% to -57.1%)#**	**-74.9% (-84.3% to -62.3%)#**	**-68.6% (-77.2% to -58.3%)#**	**-78.7% (-84.3% to -72.0%)#**	**-73.7% (-77.5% to -69.6%)#**	**-75.5% (-77.8% to -72.9%)#**	**-60.6% (-65.7% to -55.1%)#**	**-70.3% (-79.0% to -59.5%)#**	**-73.2% (-80.4% to -64.3%)#**	**-70.8% (-76.0% to -64.8%)#**	**-65.5% (-69.5% to -61.2%)#**
	% change 2000-2017	**-32.9% (-53.6% to -4.7%)#**	**-53.8% (-69.2% to -32.9%)#**	**-57.9% (-69.7% to -43.6%)#**	**-61.2% (-71.8% to -47.1%)#**	**-42.1% (-50.2% to -32.6%)#**	**-44.4% (-49.6% to -38.3%)#**	**-52.1% (-58.3% to -45.4%)#**	**-50.1% (-64.7% to -31.6%)#**	**-53.8% (-65.8% to -38.3%)#**	**-51.6% (-60.0% to -41.4%)#**	**-50.5% (-56.0% to -44.4%)#**
Kanagawa	Death #, 1990	161 (139 to 187)	58 (46 to 71)	148 (133 to 164)	127 (107 to 148)	76 (73 to 78)	74 (73 to 75)	302 (300 to 305)	366 (341 to 393)	493 (472 to 514)	945 (921 to 970)	376 (372 to 380)
	Death #, 2000	113 (95 to 131)	45 (36 to 56)	122 (108 to 137)	94 (81 to 108)	35 (34 to 37)	46 (45 to 47)	122 (120 to 123)	280 (252 to 310)	374 (352 to 397)	577 (552 to 603)	168 (165 to 170)
	Death #, 2017	58 (42 to 80)	19 (14 to 27)	54 (40 to 71)	50 (41 to 59)	26 (23 to 30)	30 (27 to 32)	79 (70 to 89)	131 (96 to 177)	181 (138 to 236)	316 (266 to 377)	109 (98 to 120)
	% change 1990-2017	**-63.9% (-75.4% to -47.3%)#**	**-66.7% (-77.7% to -49.6%)#**	**-63.4% (-73.0% to -50.7%)#**	**-60.9% (-68.8% to -50.7%)#**	**-65.5% (-69.4% to -60.8%)#**	**-60.0% (-63.3% to -56.5%)#**	**-73.8% (-76.8% to -70.7%)#**	**-64.1% (-74.1% to -51.0%)#**	**-63.3% (-72.3% to -51.9%)#**	**-66.6% (-71.9% to -59.9%)#**	**-71.1% (-74.0% to -67.9%)#**
	% change 2000-2017	**-48.5% (-64.2% to -25.6%)#**	**-57.5% (-71.8% to -37.1%)#**	**-55.6% (-67.9% to -40.7%)#**	**-47.5% (-58.1% to -34.2%)#**	**-25.8% (-35.1% to -15.1%)#**	**-35.5% (-40.8% to -29.5%)#**	**-35.0% (-42.5% to -26.9%)#**	**-53.1% (-66.3% to -35.3%)#**	**-51.7% (-63.6% to -36.0%)#**	**-45.3% (-54.2% to -34.0%)#**	**-35.1% (-41.6% to -28.1%)#**
Kochi	Death #, 1990	18 (15 to 22)	6 (5 to 8)	19 (17 to 22)	13 (11 to 15)	11 (11 to 12)	9 (8 to 9)	27 (27 to 28)	43 (38 to 49)	56 (52 to 61)	103 (98 to 110)	36 (35 to 37)
	Death #, 2000	9 (8 to 10)	4 (3 to 5)	11 (10 to 13)	7 (5 to 8)	7 (6 to 7)	7 (7 to 8)	18 (18 to 19)	24 (22 to 27)	31 (29 to 34)	63 (60 to 67)	26 (25 to 26)
	Death #, 2017	4 (3 to 5)	2 (1 to 2)	4 (3 to 5)	5 (4 to 6)	3 (2 to 3)	3 (3 to 3)	7 (6 to 8)	9 (7 to 13)	14 (10 to 19)	27 (23 to 33)	10 (9 to 11)
	% change 1990-2017	**-78.2% (-85.8% to -67.3%)#**	**-74.4% (-84.6% to -59.8%)#**	**-79.2% (-85.1% to -71.7%)#**	**-62.4% (-72.3% to -50.3%)#**	**-74.6% (-78.5% to -70.4%)#**	**-66.1% (-69.6% to -62.7%)#**	**-73.3% (-76.4% to -69.9%)#**	**-78.1% (-85.0% to -69.5%)#**	**-74.6% (-81.5% to -66.0%)#**	**-73.5% (-78.3% to -68.0%)#**	**-71.6% (-74.5% to -68.3%)#**
	% change 2000-2017	**-57.4% (-70.5% to -39.3%)#**	**-59.3% (-73.7% to -39.0%)#**	**-64.7% (-74.7% to -52.1%)#**	**-30.9% (-51.2% to -3.2%)#**	**-55.8% (-62.6% to -48.0%)#**	**-60.6% (-64.6% to -56.5%)#**	**-59.8% (-64.5% to -54.9%)#**	**-61.1% (-72.8% to -45.6%)#**	**-54.5% (-66.8% to -38.5%)#**	**-56.8% (-64.5% to -47.7%)#**	**-60.0% (-64.2% to -55.5%)#**
Kumamoto	Death #, 1990	36 (32 to 41)	12 (10 to 15)	37 (32 to 42)	41 (33 to 49)	26 (25 to 27)	21 (20 to 21)	50 (49 to 51)	85 (79 to 90)	126 (117 to 135)	222 (211 to 233)	71 (69 to 72)
	Death #, 2000	20 (18 to 24)	8 (6 to 10)	22 (20 to 25)	19 (16 to 23)	12 (11 to 12)	13 (13 to 14)	35 (35 to 36)	51 (46 to 55)	70 (65 to 75)	130 (124 to 136)	48 (48 to 49)
	Death #, 2017	8 (5 to 11)	3 (2 to 5)	9 (7 to 12)	11 (8 to 13)	6 (6 to 7)	7 (7 to 8)	16 (15 to 18)	20 (15 to 27)	31 (23 to 41)	61 (51 to 73)	24 (21 to 26)
	% change 1990-2017	**-78.6% (-85.9% to -69.2%)#**	**-73.0% (-82.4% to -60.5%)#**	**-74.5% (-81.3% to -64.6%)#**	**-74.3% (-81.2% to -65.7%)#**	**-75.5% (-78.8% to -71.7%)#**	**-65.5% (-68.8% to -62.0%)#**	**-67.2% (-70.8% to -63.1%)#**	**-76.0% (-82.9% to -67.4%)#**	**-75.5% (-81.7% to -67.2%)#**	**-72.7% (-77.2% to -67.1%)#**	**-66.7% (-70.0% to -62.9%)#**
	% change 2000-2017	**-61.9% (-73.9% to -45.8%)#**	**-58.3% (-72.7% to -36.9%)#**	**-58.5% (-69.7% to -43.3%)#**	**-46.1% (-60.9% to -27.3%)#**	**-45.1% (-52.8% to -36.5%)#**	**-45.1% (-50.2% to -39.5%)#**	**-53.8% (-59.0% to -47.9%)#**	**-59.8% (-71.0% to -44.9%)#**	**-56.0% (-67.2% to -41.8%)#**	**-53.4% (-61.2% to -44.0%)#**	**-51.5% (-56.3% to -46.0%)#**
Kyoto	Death #, 1990	55 (48 to 64)	17 (14 to 21)	48 (42 to 54)	41 (34 to 49)	31 (30 to 32)	22 (21 to 23)	100 (99 to 102)	120 (112 to 129)	161 (153 to 172)	314 (303 to 327)	122 (120 to 124)
	Death #, 2000	31 (27 to 36)	13 (10 to 16)	34 (31 to 38)	28 (23 to 32)	16 (16 to 17)	13 (13 to 14)	50 (49 to 51)	78 (70 to 87)	106 (98 to 115)	186 (176 to 196)	63 (62 to 64)
	Death #, 2017	17 (11 to 23)	5 (4 to 8)	15 (11 to 20)	15 (12 to 19)	9 (8 to 11)	8 (7 to 9)	20 (18 to 23)	37 (27 to 51)	52 (39 to 70)	90 (74 to 110)	28 (25 to 31)
	% change 1990-2017	**-70.0% (-80.3% to -56.7%)#**	**-67.8% (-79.3% to -51.4%)#**	**-68.5% (-76.9% to -57.0%)#**	**-62.7% (-72.7% to -49.8%)#**	**-70.2% (-74.5% to -65.5%)#**	**-63.0% (-66.6% to -59.1%)#**	**-80.0% (-82.4% to -77.2%)#**	**-69.1% (-78.2% to -57.2%)#**	**-67.5% (-76.4% to -56.3%)#**	**-71.4% (-76.7% to -64.7%)#**	**-76.9% (-79.3% to -74.2%)#**
	% change 2000-2017	**-47.2% (-64.2% to -23.9%)#**	**-56.5% (-72.3% to -34.0%)#**	**-56.1% (-68.5% to -40.2%)#**	**-44.5% (-59.6% to -26.1%)#**	**-44.2% (-52.3% to -34.9%)#**	**-38.1% (-44.4% to -32.0%)#**	**-59.8% (-64.9% to -54.3%)#**	**-52.6% (-66.6% to -33.6%)#**	**-50.5% (-64.0% to -33.4%)#**	**-51.6% (-60.9% to -40.6%)#**	**-55.3% (-60.1% to -50.2%)#**
Mie	Death #, 1990	42 (36 to 47)	13 (10 to 16)	32 (28 to 36)	29 (24 to 36)	22 (20 to 23)	18 (17 to 18)	78 (76 to 79)	86 (81 to 92)	115 (107 to 123)	232 (222 to 242)	95 (94 to 97)
	Death #, 2000	22 (19 to 26)	8 (7 to 10)	27 (24 to 29)	20 (16 to 24)	11 (10 to 12)	10 (10 to 10)	46 (45 to 47)	57 (53 to 62)	77 (71 to 83)	145 (137 to 152)	56 (55 to 58)
	Death #, 2017	11 (7 to 15)	4 (3 to 5)	12 (9 to 16)	11 (8 to 13)	6 (5 to 7)	6 (5 to 7)	20 (17 to 22)	27 (19 to 36)	37 (27 to 50)	69 (56 to 83)	26 (23 to 29)
	% change 1990-2017	**-74.5% (-83.2% to -63.3%)#**	**-70.4% (-81.2% to -55.6%)#**	**-61.9% (-72.2% to -46.7%)#**	**-63.9% (-74.1% to -51.1%)#**	**-73.2% (-77.1% to -68.7%)#**	**-66.0% (-69.4% to -62.5%)#**	**-74.6% (-77.6% to -71.2%)#**	**-69.2% (-78.1% to -58.0%)#**	**-67.9% (-76.3% to -56.5%)#**	**-70.5% (-75.6% to -63.9%)#**	**-73.0% (-75.9% to -69.9%)#**
	% change 2000-2017	**-52.9% (-67.9% to -31.6%)#**	**-55.1% (-70.2% to -33.9%)#**	**-54.4% (-66.6% to -38.3%)#**	**-46.4% (-60.9% to -26.2%)#**	**-48.0% (-55.6% to -39.4%)#**	**-41.3% (-46.8% to -35.2%)#**	**-57.3% (-62.3% to -51.6%)#**	**-53.9% (-67.0% to -36.4%)#**	**-52.0% (-64.6% to -35.0%)#**	**-52.6% (-61.0% to -42.3%)#**	**-54.4% (-59.3% to -49.2%)#**
Miyagi	Death #, 1990	45 (38 to 53)	14 (11 to 18)	41 (36 to 46)	47 (39 to 57)	25 (24 to 27)	24 (24 to 25)	77 (76 to 79)	101 (91 to 111)	148 (139 to 157)	275 (264 to 287)	102 (100 to 103)
	Death #, 2000	25 (21 to 30)	9 (7 to 12)	29 (24 to 33)	26 (20 to 33)	17 (16 to 19)	19 (18 to 19)	56 (55 to 57)	63 (56 to 70)	88 (81 to 97)	180 (171 to 191)	75 (73 to 76)
	Death #, 2017	14 (10 to 19)	5 (3 to 7)	14 (11 to 19)	16 (12 to 20)	9 (7 to 10)	8 (7 to 9)	22 (19 to 25)	33 (24 to 44)	49 (36 to 64)	87 (72 to 105)	30 (27 to 33)
	% change 1990-2017	**-69.9% (-80.2% to -56.1%)#**	**-66.9% (-78.7% to -48.7%)#**	**-65.4% (-74.4% to -53.6%)#**	**-65.7% (-75.5% to -53.2%)#**	**-66.3% (-71.0% to -61.0%)#**	**-67.0% (-70.2% to -63.7%)#**	**-71.7% (-74.9% to -68.2%)#**	**-67.6% (-77.1% to -55.6%)#**	**-67.0% (-76.0% to -56.5%)#**	**-68.3% (-74.1% to -61.7%)#**	**-70.6% (-73.5% to -67.3%)#**
	% change 2000-2017	**-45.1% (-62.1% to -20.9%)#**	**-47.3% (-65.9% to -18.4%)#**	**-50.5% (-64.5% to -31.5%)#**	**-37.5% (-55.7% to -12.5%)#**	**-50.7% (-58.1% to -43.1%)#**	**-57.0% (-61.1% to -52.7%)#**	**-61.0% (-65.4% to -56.0%)#**	**-47.9% (-63.0% to -27.2%)#**	**-44.9% (-59.2% to -27.0%)#**	**-51.7% (-60.3% to -41.9%)#**	**-60.0% (-64.1% to -55.6%)#**
Miyazaki	Death #, 1990	27 (22 to 33)	8 (7 to 11)	26 (23 to 28)	25 (21 to 30)	18 (17 to 19)	11 (11 to 11)	37 (36 to 38)	61 (55 to 68)	86 (80 to 93)	152 (144 to 161)	48 (47 to 49)
	Death #, 2000	12 (11 to 14)	5 (4 to 6)	16 (14 to 18)	12 (9 to 14)	8 (7 to 8)	9 (8 to 9)	29 (29 to 30)	34 (30 to 37)	45 (41 to 50)	91 (86 to 96)	38 (37 to 39)
	Death #, 2017	5 (4 to 8)	2 (2 to 3)	8 (6 to 10)	5 (4 to 6)	4 (4 to 5)	7 (6 to 8)	11 (10 to 13)	15 (11 to 21)	20 (15 to 27)	43 (36 to 51)	18 (16 to 20)
	% change 1990-2017	**-80.2% (-87.3% to -70.5%)#**	**-71.4% (-82.1% to -56.5%)#**	**-69.9% (-78.3% to -58.9%)#**	**-81.0% (-86.2% to -74.6%)#**	**-75.8% (-79.5% to -71.8%)#**	**-37.4% (-43.7% to -30.9%)#**	**-69.4% (-73.4% to -65.1%)#**	**-74.7% (-82.5% to -65.3%)#**	**-76.5% (-83.4% to -68.4%)#**	**-71.9% (-76.9% to -66.2%)#**	**-62.0% (-66.2% to -57.5%)#**
	% change 2000-2017	**-57.4% (-70.9% to -38.4%)#**	**-68.8% (-68.8% to -27.2%)#**	**-52.9% (-66.5% to -34.7%)#**	**-59.0% (-71.0% to -42.2%)#**	**-41.7% (-51.3% to -31.4%)#**	**-19.6% (-27.9% to -10.6%)#**	**-61.5% (-66.5% to -55.8%)#**	**-54.4% (-68.2% to -36.1%)#**	**-55.5% (-68.2% to -39.4%)#**	**-52.9% (-61.2% to -42.7%)#**	**-51.9% (-57.0% to -45.9%)#**
Nagano	Death #, 1990	39 (34 to 44)	13 (10 to 16)	35 (31 to 40)	33 (27 to 40)	22 (21 to 23)	20 (19 to 20)	60 (59 to 61)	87 (81 to 92)	120 (111 to 128)	221 (211 to 231)	79 (78 to 81)
	Death #, 2000	16 (14 to 19)	6 (5 to 8)	22 (20 to 24)	22 (17 to 26)	18 (17 to 19)	15 (14 to 15)	44 (43 to 45)	45 (41 to 48)	66 (62 to 71)	143 (136 to 150)	59 (58 to 60)
	Death #, 2017	8 (6 to 12)	3 (2 to 4)	9 (6 to 11)	10 (8 to 13)	8 (7 to 9)	10 (9 to 10)	24 (21 to 27)	20 (14 to 27)	30 (22 to 40)	71 (60 to 84)	33 (30 to 37)
	% change 1990-2017	**-78.0% (-85.2% to -68.4%)#**	**-79.7% (-87.1% to -69.3%)#**	**-75.6% (-82.1% to -66.0%)#**	**-69.2% (-77.6% to -58.6%)#**	**-64.5% (-69.8% to -58.5%)#**	**-51.9% (-56.6% to -47.0%)#**	**-60.0% (-64.5% to -54.9%)#**	**-77.3% (-83.7% to -69.0%)#**	**-75.1% (-81.5% to -66.6%)#**	**-67.9% (-73.0% to -61.9%)#**	**-58.0% (-62.3% to -53.3%)#**
	% change 2000-2017	**-48.6% (-64.8% to -26.7%)#**	**-59.9% (-73.2% to -40.4%)#**	**-60.2% (-71.1% to -46.1%)#**	**-53.2% (-65.8% to -36.6%)#**	**-56.6% (-63.1% to -49.4%)#**	**-36.0% (-42.4% to -29.4%)#**	**-45.5% (-51.8% to -38.4%)#**	**-55.9% (-68.6% to -39.4%)#**	**-55.0% (-67.0% to -39.8%)#**	**-50.3% (-58.1% to -41.6%)#**	**-43.1% (-48.9% to -36.6%)#**

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Nagasaki	Death #, 1990	27 (22 to 33)	9 (7 to 12)	30 (26 to 33)	34 (29 to 41)	23 (22 to 24)	18 (17 to 18)	48 (47 to 49)	66 (60 to 73)	100 (93 to 108)	190 (181 to 199)	66 (65 to 67)
	Death #, 2000	16 (14 to 18)	7 (5 to 9)	19 (16 to 21)	18 (15 to 22)	11 (11 to 12)	11 (10 to 11)	31 (30 to 31)	41 (38 to 45)	59 (55 to 64)	112 (106 to 118)	41 (41 to 42)
	Death #, 2017	7 (5 to 10)	3 (2 to 4)	7 (5 to 9)	8 (6 to 10)	4 (4 to 5)	6 (5 to 6)	13 (11 to 14)	17 (12 to 23)	25 (18 to 33)	47 (39 to 57)	18 (17 to 20)
	% change 1990-2017	**-74.0% (-83.2% to -61.1%)#**	**-67.1% (-78.9% to -49.8%)#**	**-76.5% (-83.1% to -68.2%)#**	**-77.7% (-83.5% to -70.7%)#**	**-82.4% (-85.0% to -79.6%)#**	**-68.6% (-71.5% to -65.4%)#**	**-73.4% (-76.4% to -70.0%)#**	**-74.2% (-82.2% to -64.4%)#**	**-75.3% (-82.3% to -67.4%)#**	**-75.1% (-79.5% to -69.9%)#**	**-72.1% (-74.9% to -68.9%)#**
	% change 2000-2017	**-54.9% (-69.1% to -36.1%)#**	**-56.7% (-71.9% to -33.2%)#**	**-62.9% (-73.2% to -48.9%)#**	**-57.3% (-69.1% to -41.5%)#**	**-63.5% (-69.1% to -57.5%)#**	**-47.6% (-52.8% to -42.1%)#**	**-58.3% (-63.1% to -52.9%)#**	**-58.8% (-70.7% to -42.8%)#**	**-58.4% (-69.9% to -44.3%)#**	**-57.8% (-65.4% to -49.2%)#**	**-55.5% (-60.1% to -50.4%)#**
Nara	Death #, 1990	27 (23 to 32)	8 (6 to 11)	27 (24 to 31)	23 (19 to 28)	13 (12 to 14)	9 (9 to 9)	48 (47 to 49)	63 (57 to 69)	86 (79 to 93)	157 (148 to 165)	57 (56 to 58)
	Death #, 2000	13 (11 to 17)	7 (5 to 8)	19 (16 to 22)	16 (13 to 19)	9 (9 to 10)	9 (8 to 9)	32 (31 to 32)	39 (35 to 43)	55 (50 to 61)	104 (98 to 112)	40 (39 to 41)
	Death #, 2017	6 (4 to 9)	3 (2 to 4)	8 (6 to 11)	8 (6 to 10)	4 (4 to 5)	6 (5 to 6)	13 (12 to 15)	17 (12 to 23)	25 (18 to 33)	48 (40 to 58)	19 (17 to 21)
	% change 1990-2017	**-76.4% (-84.4% to -65.0%)#**	**-69.5% (-81.3% to -51.6%)#**	**-71.0% (-79.2% to -59.9%)#**	**-66.5% (-75.8% to -55.1%)#**	**-66.4% (-71.5% to -60.6%)#**	**-37.1% (-43.2% to -30.6%)#**	**-72.2% (-75.4% to -68.4%)#**	**-73.1% (-81.2% to -62.4%)#**	**-71.3% (-79.1% to -61.5%)#**	**-69.2% (-74.5% to -62.9%)#**	**-66.7% (-70.2% to -62.6%)#**
	% change 2000-2017	**-52.5% (-68.7% to -28.4%)#**	**-61.2% (-74.7% to -42.6%)#**	**-57.8% (-69.9% to -41.4%)#**	**-51.3% (-65.3% to -32.4%)#**	**-52.1% (-59.6% to -43.9%)#**	**-34.4% (-41.0% to -27.4%)#**	**-57.7% (-62.9% to -51.8%)#**	**-56.5% (-69.6% to -40.0%)#**	**-55.0% (-67.5% to -39.5%)#**	**-53.8% (-62.3% to -44.1%)#**	**-52.7% (-57.7% to -46.9%)#**
Niigata	Death #, 1990	38 (32 to 45)	15 (12 to 18)	38 (34 to 42)	41 (34 to 48)	31 (30 to 33)	28 (27 to 29)	76 (74 to 77)	90 (82 to 99)	131 (122 to 140)	266 (254 to 278)	103 (102 to 105)
	Death #, 2000	24 (20 to 28)	11 (9 to 14)	27 (24 to 31)	25 (21 to 30)	14 (14 to 15)	14 (14 to 15)	47 (46 to 47)	63 (55 to 71)	88 (80 to 97)	163 (154 to 174)	61 (60 to 62)
	Death #, 2017	11 (8 to 16)	3 (2 to 5)	11 (8 to 14)	9 (7 to 11)	6 (6 to 7)	8 (7 to 8)	22 (20 to 25)	25 (18 to 35)	34 (25 to 46)	71 (58 to 84)	30 (27 to 33)
	% change 1990-2017	**-70.4% (-80.9% to -56.2%)#**	**-77.3% (-85.7% to -65.8%)#**	**-71.2% (-79.2% to -61.2%)#**	**-77.7% (-83.6% to -70.6%)#**	**-79.8% (-82.8% to -76.4%)#**	**-72.7% (-75.5% to -69.9%)#**	**-70.5% (-74.0% to -66.8%)#**	**-71.8% (-80.7% to -61.0%)#**	**-73.7% (-81.2% to -64.6%)#**	**-73.4% (-78.3% to -68.1%)#**	**-71.1% (-74.2% to -68.0%)#**
	% change 2000-2017	**-53.1% (-68.0% to -32.4%)#**	**-71.1% (-81.2% to -57.6%)#**	**-60.6% (-71.8% to -46.1%)#**	**-64.2% (-73.6% to -51.8%)#**	**-56.0% (-62.5% to -48.7%)#**	**-45.9% (-51.3% to -40.3%)#**	**-52.3% (-57.8% to -46.2%)#**	**-59.7% (-71.7% to -43.3%)#**	**-61.0% (-71.9% to -47.7%)#**	**-56.8% (-64.6% to -48.3%)#**	**-50.8% (-55.9% to -45.1%)#**
Oita	Death #, 1990	24 (21 to 29)	7 (5 to 9)	20 (17 to 22)	25 (21 to 29)	19 (18 to 20)	15 (14 to 15)	37 (36 to 37)	51 (46 to 56)	75 (70 to 81)	146 (139 to 154)	51 (50 to 52)
	Death #, 2000	13 (11 to 15)	5 (4 to 6)	12 (11 to 14)	12 (9 to 15)	6 (5 to 6)	7 (6 to 7)	28 (28 to 29)	30 (28 to 33)	42 (39 to 46)	83 (79 to 87)	35 (34 to 36)
	Death #, 2017	7 (5 to 9)	2 (2 to 3)	6 (5 to 8)	6 (4 to 7)	6 (5 to 7)	4 (4 to 5)	12 (11 to 14)	15 (11 to 21)	21 (15 to 28)	43 (36 to 52)	17 (15 to 18)
	% change 1990-2017	**-72.8% (-82.4% to -60.4%)#**	**-65.6% (-79.0% to -46.0%)#**	**-67.8% (-76.8% to -55.6%)#**	**-76.5% (-82.9% to -68.9%)#**	**-69.7% (-74.4% to -64.7%)#**	**-70.3% (-73.3% to -67.2%)#**	**-66.7% (-70.9% to -62.4%)#**	**-69.9% (-79.3% to -58.6%)#**	**-72.1% (-79.9% to -62.6%)#**	**-70.2% (-75.7% to -64.3%)#**	**-67.7% (-71.3% to -63.9%)#**
	% change 2000-2017	**-47.9% (-64.8% to -24.2%)#**	**-52.5% (-69.0% to -30.3%)#**	**-49.4% (-63.4% to -30.8%)#**	**-51.9% (-65.9% to -32.1%)#**	0.7% (-14.8% to 17.6%)	**-35.5% (-42.2% to -28.7%)#**	**-57.0% (-62.3% to -51.2%)#**	**-49.3% (-63.8% to -29.4%)#**	**-50.0% (-63.7% to -31.9%)#**	**-47.7% (-57.0% to -37.0%)#**	**-52.9% (-58.0% to -47.3%)#**
Okayama	Death #, 1990	31 (26 to 37)	10 (7 to 13)	38 (35 to 42)	40 (34 to 47)	28 (26 to 29)	22 (21 to 22)	70 (69 to 72)	79 (72 to 86)	119 (111 to 127)	239 (229 to 249)	92 (91 to 94)
	Death #, 2000	17 (15 to 20)	7 (6 to 9)	29 (27 to 31)	24 (20 to 29)	13 (12 to 13)	12 (12 to 13)	42 (41 to 42)	53 (49 to 58)	78 (72 to 84)	144 (137 to 152)	54 (53 to 55)
	Death #, 2017	8 (6 to 12)	3 (2 to 4)	11 (8 to 14)	10 (8 to 13)	6 (5 to 7)	6 (6 to 7)	16 (14 to 19)	22 (16 to 31)	33 (24 to 44)	62 (51 to 74)	22 (20 to 25)
	% change 1990-2017	**-72.6% (-82.1% to -59.7%)#**	**-66.6% (-79.3% to -47.8%)#**	**-71.7% (-79.1% to -61.9%)#**	**-74.0% (-80.8% to -65.8%)#**	**-77.6% (-80.9% to -74.0%)#**	**-72.3% (-74.9% to -69.6%)#**	**-76.6% (-79.4% to -73.3%)#**	**-71.4% (-79.8% to -60.9%)#**	**-72.3% (-79.7% to -63.4%)#**	**-74.2% (-78.6% to -69.1%)#**	**-75.6% (-78.1% to -72.8%)#**
	% change 2000-2017	**-50.4% (-65.9% to -28.5%)#**	**-55.5% (-70.7% to -32.7%)#**	**-62.7% (-72.9% to -50.1%)#**	**-56.7% (-68.2% to -41.1%)#**	**-51.0% (-58.2% to -42.9%)#**	**-50.8% (-55.3% to -45.8%)#**	**-60.4% (-65.1% to -55.0%)#**	**-57.8% (-69.7% to -41.8%)#**	**-57.5% (-68.4% to -43.0%)#**	**-57.2% (-64.2% to -48.4%)#**	**-58.2% (-62.5% to -53.4%)#**
Okinawa	Death #, 1990	33 (29 to 38)	14 (11 to 17)	31 (27 to 36)	25 (21 to 31)	21 (20 to 22)	18 (17 to 19)	64 (62 to 65)	78 (73 to 83)	104 (97 to 110)	206 (197 to 215)	82 (80 to 83)
	Death #, 2000	19 (16 to 22)	8 (7 to 10)	24 (20 to 28)	15 (12 to 18)	10 (10 to 11)	7 (7 to 8)	38 (38 to 39)	51 (47 to 56)	66 (61 to 71)	122 (116 to 129)	46 (45 to 47)
	Death #, 2017	10 (7 to 15)	4 (3 to 6)	11 (8 to 14)	8 (6 to 10)	7 (6 to 8)	5 (5 to 6)	19 (17 to 21)	25 (18 to 35)	33 (24 to 44)	65 (53 to 78)	24 (22 to 27)
	% change 1990-2017	**-68.8% (-79.1% to -55.2%)#**	**-69.7% (-80.5% to -54.0%)#**	**-65.3% (-75.0% to -52.1%)#**	**-70.2% (-78.6% to -59.5%)#**	**-65.0% (-70.0% to -59.3%)#**	**-70.0% (-72.9% to -66.8%)#**	**-70.0% (-73.6% to -66.1%)#**	**-67.5% (-77.1% to -55.4%)#**	**-68.2% (-76.8% to -56.7%)#**	**-68.6% (-74.0% to -61.9%)#**	**-70.0% (-73.2% to -66.5%)#**
	% change 2000-2017	**-45.3% (-62.6% to -20.6%)#**	**-51.1% (-67.8% to -27.2%)#**	**-54.2% (-67.9% to -36.1%)#**	**-48.2% (-62.6% to -27.9%)#**	**-30.8% (-41.1% to -19.3%)#**	**-26.9% (-34.1% to -19.2%)#**	**-50.5% (-56.3% to -44.1%)#**	**-50.4% (-65.4% to -30.2%)#**	**-49.9% (-64.2% to -32.2%)#**	**-47.1% (-56.9% to -35.4%)#**	**-46.7% (-52.4% to -40.6%)#**
Osaka	Death #, 1990	175 (150 to 206)	66 (52 to 80)	185 (165 to 205)	171 (145 to 201)	86 (83 to 89)	83 (82 to 85)	337 (333 to 340)	426 (393 to 461)	597 (565 to 631)	1103 (1064 to 1144)	420 (415 to 425)
	Death #, 2000	99 (84 to 114)	44 (35 to 55)	128 (114 to 142)	107 (90 to 125)	43 (41 to 45)	42 (41 to 43)	153 (152 to 155)	272 (245 to 298)	379 (358 to 398)	617 (593 to 639)	195 (193 to 197)
	Death #, 2017	46 (33 to 64)	16 (11 to 22)	51 (38 to 67)	43 (36 to 51)	28 (25 to 32)	27 (25 to 30)	78 (69 to 88)	113 (83 to 153)	156 (119 to 204)	290 (246 to 345)	105 (95 to 117)
	% change 1990-2017	**-73.6% (-82.1% to -61.8%)#**	**-75.9% (-83.9% to -63.2%)#**	**-72.3% (-79.4% to -62.5%)#**	**-74.9% (-80.2% to -68.3%)#**	**-67.0% (-70.9% to -62.1%)#**	**-67.2% (-69.9% to -64.2%)#**	**-76.9% (-79.4% to -73.9%)#**	**-73.4% (-80.8% to -63.6%)#**	**-73.8% (-80.2% to -65.6%)#**	**-73.7% (-77.8% to -68.5%)#**	**-75.0% (-77.3% to -72.2%)#**
	% change 2000-2017	**-53.4% (-67.4% to -32.6%)#**	**-64.2% (-76.3% to -46.7%)#**	**-60.1% (-71.1% to -46.9%)#**	**-59.8% (-68.5% to -49.8%)#**	**-34.0% (-42.0% to -24.6%)#**	**-34.5% (-40.0% to -28.3%)#**	**-49.2% (-54.8% to -42.8%)#**	**-58.3% (-69.6% to -42.6%)#**	**-58.7% (-68.7% to -46.1%)#**	**-53.0% (-60.2% to -43.7%)#**	**-46.0% (-51.4% to -40.1%)#**
Saga	Death #, 1990	18 (15 to 22)	7 (5 to 9)	17 (15 to 19)	21 (18 to 24)	11 (11 to 12)	11 (10 to 11)	31 (30 to 31)	41 (37 to 47)	62 (58 to 67)	115 (109 to 121)	41 (41 to 42)
	Death #, 2000	9 (8 to 11)	4 (3 to 5)	11 (10 to 12)	12 (9 to 14)	5 (5 to 5)	5 (5 to 6)	20 (20 to 20)	24 (22 to 26)	36 (32 to 39)	66 (62 to 70)	25 (25 to 26)
	Death #, 2017	3 (2 to 5)	1 (1 to 2)	4 (3 to 6)	4 (3 to 5)	4 (3 to 5)	3 (3 to 4)	9 (8 to 10)	9 (6 to 12)	13 (10 to 18)	29 (24 to 35)	12 (11 to 13)
	% change 1990-2017	**-80.7% (-87.6% to -71.3%)#**	**-81.6% (-88.8% to -71.3%)#**	**-74.3% (-81.4% to -64.8%)#**	**-79.9% (-85.0% to -74.0%)#**	**-65.4% (-71.0% to -59.5%)#**	**-68.7% (-71.9% to -65.5%)#**	**-72.1% (-75.5% to -68.2%)#**	**-78.3% (-85.1% to -69.6%)#**	**-78.8% (-84.6% to -71.5%)#**	**-74.7% (-78.9% to -69.6%)#**	**-71.2% (-74.2% to -67.8%)#**
	% change 2000-2017	**-61.5% (-73.6% to -44.4%)#**	**-66.8% (-79.2% to -48.3%)#**	**-61.3% (-72.0% to -46.8%)#**	**-64.5% (-74.8% to -50.6%)#**	**-20.7% (-33.0% to -6.2%)#**	**-37.3% (-43.4% to -30.4%)#**	**-57.0% (-62.1% to -51.0%)#**	**-62.2% (-73.2% to -47.9%)#**	**-63.0% (-72.8% to -50.1%)#**	**-55.9% (-63.4% to -47.0%)#**	**-52.8% (-57.8% to -47.2%)#**
Saitama	Death #, 1990	124 (108 to 144)	45 (36 to 55)	122 (109 to 135)	108 (90 to 126)	66 (63 to 68)	66 (65 to 67)	239 (237 to 242)	291 (272 to 313)	399 (381 to 418)	770 (749 to 793)	305 (302 to 309)
	Death #, 2000	77 (66 to 89)	34 (27 to 43)	101 (90 to 113)	82 (69 to 95)	41 (40 to 43)	41 (40 to 42)	124 (123 to 126)	212 (192 to 234)	294 (278 to 312)	501 (482 to 522)	165 (163 to 167)
	Death #, 2017	40 (29 to 55)	13 (10 to 19)	44 (33 to 58)	42 (35 to 50)	24 (21 to 27)	21 (20 to 23)	75 (67 to 85)	97 (72 to 131)	139 (107 to 181)	260 (219 to 308)	97 (87 to 108)
	% change 1990-2017	**-68.0% (-78.1% to -53.1%)#**	**-70.1% (-80.2% to -54.8%)#**	**-64.0% (-73.5% to -51.6%)#**	**-61.1% (-69.2% to -51.0%)#**	**-63.4% (-67.6% to -58.3%)#**	**-67.7% (-70.4% to -64.6%)#**	**-68.6% (-72.1% to -64.5%)#**	**-66.6% (-76.0% to -54.4%)#**	**-65.1% (-73.5% to -54.5%)#**	**-66.3% (-71.7% to -60.0%)#**	**-68.4% (-71.6% to -64.8%)#**

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 2000-2017	**-48.5% (-63.9% to -25.7%)#**	**-60.5% (-73.8% to -41.0%)#**	**-56.4% (-68.0% to -41.6%)#**	**-49.1% (-59.5% to -35.8%)#**	**-41.6% (-48.6% to -33.6%)#**	**-47.9% (-52.5% to -42.9%)#**	**-39.4% (-46.1% to -31.5%)#**	**-54.2% (-67.0% to -37.3%)#**	**-52.8% (-63.9% to -38.1%)#**	**-48.1% (-56.1% to -38.5%)#**	**-41.5% (-47.4% to -34.9%)#**
Shiga	Death #, 1990	26 (23 to 30)	8 (6 to 11)	23 (19 to 27)	20 (17 to 24)	13 (12 to 14)	14 (14 to 15)	50 (50 to 51)	57 (52 to 63)	77 (72 to 84)	155 (148 to 163)	65 (64 to 66)
	Death #, 2000	19 (16 to 21)	7 (5 to 8)	19 (17 to 21)	13 (11 to 16)	9 (9 to 10)	7 (7 to 7)	27 (27 to 28)	45 (40 to 49)	58 (54 to 63)	102 (96 to 107)	34 (34 to 35)
	Death #, 2017	9 (6 to 13)	3 (2 to 4)	8 (6 to 11)	8 (6 to 11)	5 (4 to 6)	5 (4 to 5)	13 (12 to 15)	21 (15 to 29)	29 (21 to 39)	52 (42 to 63)	18 (16 to 20)
	% change 1990-2017	**-64.2% (-76.2% to -48.1%)#**	**-63.5% (-77.9% to -40.6%)#**	**-62.8% (-73.7% to -46.9%)#**	**-59.4% (-70.2% to -46.5%)#**	**-63.0% (-68.7% to -56.7%)#**	**-68.2% (-71.4% to -65.0%)#**	**-73.5% (-76.6% to -70.0%)#**	**-63.5% (-74.4% to -49.5%)#**	**-62.4% (-72.7% to -49.2%)#**	**-66.6% (-72.8% to -59.0%)#**	**-72.3% (-75.2% to -69.0%)#**
	% change 2000-2017	**-49.8% (-65.1% to -27.6%)#**	**-55.8% (-71.0% to -33.6%)#**	**-56.1% (-68.4% to -40.3%)#**	**-38.1% (-55.4% to -14.0%)#**	**-47.2% (-55.0% to -38.1%)#**	**-36.2% (-42.4% to -29.7%)#**	**-51.0% (-56.8% to -44.3%)#**	**-53.4% (-67.2% to -35.3%)#**	**-49.9% (-63.7% to -32.7%)#**	**-49.0% (-58.7% to -37.6%)#**	**-47.9% (-53.4% to -41.6%)#**
Shimane	Death #, 1990	12 (10 to 15)	5 (4 to 7)	15 (13 to 17)	12 (10 to 13)	10 (9 to 11)	11 (11 to 12)	21 (21 to 21)	32 (28 to 36)	44 (40 to 48)	86 (81 to 91)	32 (31 to 33)
	Death #, 2000	6 (6 to 7)	3 (3 to 4)	9 (8 to 9)	7 (5 to 9)	5 (5 to 5)	5 (5 to 5)	15 (15 to 16)	18 (17 to 20)	25 (23 to 28)	51 (48 to 54)	21 (20 to 21)
	Death #, 2017	3 (2 to 4)	1 (1 to 2)	3 (2 to 4)	3 (2 to 4)	3 (2 to 3)	3 (2 to 3)	8 (7 to 9)	7 (5 to 10)	10 (8 to 14)	23 (20 to 28)	10 (9 to 11)
	% change 1990-2017	**-76.1% (-85.0% to -63.5%)#**	**-74.8% (-84.4% to -60.0%)#**	**-77.7% (-84.2% to -69.1%)#**	**-73.8% (-81.0% to -65.3%)#**	**-73.2% (-77.3% to -68.4%)#**	**-77.4% (-79.7% to -75.0%)#**	**-63.8% (-68.2% to -59.2%)#**	**-76.6% (-83.8% to -67.4%)#**	**-75.9% (-82.6% to -67.3%)#**	**-72.8% (-77.4% to -67.4%)#**	**-68.5% (-71.9% to -64.9%)#**
	% change 2000-2017	**-53.9% (-68.4% to -34.2%)#**	**-63.7% (-77.1% to -43.4%)#**	**-62.0% (-72.4% to -48.0%)#**	**-56.2% (-69.7% to -37.2%)#**	**-46.5% (-54.8% to -36.8%)#**	**-50.3% (-55.5% to -45.0%)#**	**-50.8% (-56.6% to -44.2%)#**	**-59.5% (-71.3% to -43.1%)#**	**-58.6% (-70.4% to -43.6%)#**	**-54.2% (-62.3% to -45.0%)#**	**-50.6% (-55.8% to -44.8%)#**
Shizuoka	Death #, 1990	63 (54 to 73)	25 (20 to 31)	70 (63 to 77)	70 (59 to 82)	45 (43 to 47)	39 (38 to 40)	118 (117 to 120)	158 (146 to 171)	228 (216 to 240)	430 (415 to 445)	157 (155 to 160)
	Death #, 2000	37 (32 to 43)	16 (13 to 20)	44 (39 to 49)	41 (34 to 48)	23 (22 to 24)	21 (21 to 22)	73 (73 to 75)	97 (88 to 107)	139 (130 to 148)	256 (246 to 267)	95 (93 to 96)
	Death #, 2017	19 (14 to 26)	7 (5 to 9)	19 (14 to 25)	18 (15 to 22)	12 (10 to 13)	13 (12 to 15)	32 (28 to 36)	45 (33 to 61)	64 (49 to 83)	120 (102 to 143)	45 (40 to 50)
	% change 1990-2017	**-69.6% (-79.3% to -55.6%)#**	**-73.5% (-82.5% to -59.6%)#**	**-72.3% (-79.6% to -63.0%)#**	**-73.7% (-79.1% to -66.9%)#**	**-74.2% (-77.2% to -70.6%)#**	**-65.5% (-68.5% to -62.2%)#**	**-73.2% (-76.5% to -69.6%)#**	**-71.4% (-79.2% to -60.7%)#**	**-72.1% (-78.8% to -63.3%)#**	**-72.0% (-76.4% to -66.5%)#**	**-71.2% (-74.3% to -67.9%)#**
	% change 2000-2017	**-48.5% (-64.1% to -26.1%)#**	**-59.1% (-72.8% to -39.4%)#**	**-55.9% (-67.8% to -41.2%)#**	**-55.4% (-64.9% to -43.6%)#**	**-49.5% (-55.5% to -42.5%)#**	**-36.1% (-41.6% to -29.9%)#**	**-56.7% (-62.0% to -50.8%)#**	**-53.6% (-66.3% to -36.6%)#**	**-54.1% (-64.8% to -40.3%)#**	**-53.0% (-60.0% to -44.0%)#**	**-52.1% (-57.2% to -46.5%)#**
Tochigi	Death #, 1990	44 (37 to 53)	14 (11 to 17)	41 (37 to 44)	40 (34 to 48)	24 (23 to 25)	19 (19 to 20)	88 (87 to 90)	98 (90 to 108)	139 (130 to 149)	271 (260 to 282)	108 (106 to 109)
	Death #, 2000	30 (25 to 35)	8 (6 to 10)	29 (25 to 32)	27 (22 to 32)	15 (14 to 16)	14 (14 to 15)	47 (46 to 48)	66 (59 to 74)	93 (86 to 101)	170 (161 to 179)	62 (61 to 63)
	Death #, 2017	12 (8 to 16)	4 (3 to 5)	12 (9 to 16)	14 (11 to 17)	5 (5 to 6)	7 (6 to 7)	24 (21 to 28)	28 (20 to 38)	42 (31 to 55)	78 (65 to 94)	31 (28 to 35)
	% change 1990-2017	**-73.2% (-82.5% to -60.7%)#**	**-72.8% (-82.7% to -59.4%)#**	**-69.5% (-77.5% to -59.2%)#**	**-65.6% (-74.7% to -55.1%)#**	**-77.7% (-80.9% to -74.3%)#**	**-65.2% (-68.6% to -61.6%)#**	**-72.3% (-75.7% to -68.5%)#**	**-71.6% (-80.1% to -61.5%)#**	**-69.9% (-78.1% to -60.2%)#**	**-71.0% (-76.1% to -65.2%)#**	**-71.0% (-74.2% to -67.5%)#**
	% change 2000-2017	**-60.5% (-73.2% to -42.8%)#**	**-52.5% (-69.8% to -29.0%)#**	**-56.8% (-68.6% to -41.7%)#**	**-48.5% (-62.4% to -31.5%)#**	**-63.4% (-68.7% to -57.4%)#**	**-53.5% (-58.0% to -48.9%)#**	**-48.2% (-54.5% to -41.1%)#**	**-58.0% (-70.2% to -42.3%)#**	**-55.2% (-66.8% to -40.6%)#**	**-53.8% (-62.1% to -44.7%)#**	**-49.4% (-54.8% to -43.4%)#**
Tokushima	Death #, 1990	17 (14 to 20)	5 (4 to 7)	16 (14 to 18)	15 (13 to 17)	12 (11 to 13)	10 (9 to 10)	26 (25 to 26)	39 (34 to 43)	54 (49 to 59)	101 (96 to 108)	36 (35 to 36)
	Death #, 2000	10 (8 to 11)	5 (4 to 6)	12 (11 to 13)	9 (7 to 11)	4 (4 to 4)	6 (5 to 6)	16 (15 to 16)	26 (24 to 28)	35 (32 to 38)	60 (57 to 65)	21 (21 to 22)
	Death #, 2017	6 (4 to 8)	2 (2 to 3)	6 (4 to 8)	3 (2 to 4)	4 (4 to 5)	4 (3 to 4)	8 (7 to 9)	14 (10 to 20)	17 (12 to 24)	33 (27 to 41)	11 (10 to 13)
	% change 1990-2017	**-65.8% (-78.3% to -48.5%)#**	**-56.9% (-73.3% to -30.7%)#**	**-63.0% (-73.7% to -48.5%)#**	**-77.5% (-84.2% to -69.6%)#**	**-66.1% (-71.3% to -59.9%)#**	**-63.1% (-66.8% to -59.0%)#**	**-70.4% (-73.9% to -66.6%)#**	**-63.4% (-75.0% to -48.0%)#**	**-67.3% (-76.7% to -54.6%)#**	**-67.6% (-73.9% to -59.8%)#**	**-68.4% (-71.7% to -64.7%)#**
	% change 2000-2017	**-39.6% (-59.1% to -11.8%)#**	**-50.1% (-68.1% to -25.2%)#**	**-48.9% (-63.2% to -29.8%)#**	**-62.5% (-74.3% to -45.2%)#**	-1.1% (-16.0% to 16.6%)	**-35.6% (-42.5% to -28.4%)#**	**-51.5% (-57.4% to -45.0%)#**	**-45.6% (-62.1% to -23.3%)#**	**-50.0% (-64.5% to -31.1%)#**	**-45.7% (-56.5% to -32.8%)#**	**-47.4% (-52.6% to -41.1%)#**
Tokyo	Death #, 1990	236 (195 to 282)	100 (70 to 136)	256 (224 to 291)	212 (166 to 268)	88 (84 to 91)	98 (96 to 101)	330 (327 to 333)	592 (530 to 655)	805 (764 to 847)	1,321 (1,274 to 1,368)	429 (424 to 434)
	Death #, 2000	234 (198 to 272)	102 (80 to 128)	202 (172 to 231)	147 (118 to 184)	56 (53 to 58)	52 (51 to 53)	158 (156 to 160)	538 (479 to 596)	685 (635 to 735)	950 (898 to 1,005)	210 (207 to 213)
	Death #, 2017	90 (64 to 123)	31 (22 to 43)	94 (71 to 122)	74 (54 to 103)	37 (33 to 42)	38 (35 to 41)	96 (85 to 107)	214 (157 to 288)	288 (220 to 378)	459 (381 to 556)	133 (120 to 148)
	% change 1990-2017	**-62.0% (-74.5% to -44.2%)#**	**-69.0% (-80.7% to -49.9%)#**	**-63.5% (-72.9% to -50.3%)#**	**-65.1% (-76.2% to -49.6%)#**	**-57.7% (-62.7% to -51.5%)#**	**-61.8% (-65.0% to -58.1%)#**	**-71.0% (-74.3% to -67.5%)#**	**-63.8% (-73.9% to -50.9%)#**	**-64.2% (-73.0% to -53.0%)#**	**-65.3% (-71.3% to -57.5%)#**	**-68.9% (-72.0% to -65.6%)#**
	% change 2000-2017	**-61.7% (-73.1% to -45.6%)#**	**-69.7% (-80.3% to -54.0%)#**	**-53.6% (-66.5% to -37.1%)#**	**-49.6% (-66.1% to -23.9%)#**	**-33.0% (-41.7% to -23.0%)#**	**-27.9% (-33.9% to -20.9%)#**	**-39.4% (-46.4% to -32.2%)#**	**-60.2% (-71.4% to -45.4%)#**	**-57.9% (-68.3% to -44.5%)#**	**-51.7% (-60.3% to -40.9%)#**	**-36.5% (-42.8% to -29.6%)#**
Tottori	Death #, 1990	10 (8 to 14)	4 (3 to 5)	12 (10 to 14)	10 (8 to 12)	11 (10 to 12)	7 (7 to 7)	16 (16 to 17)	27 (23 to 30)	37 (33 to 41)	71 (66 to 76)	23 (23 to 24)
	Death #, 2000	6 (5 to 7)	3 (2 to 3)	6 (5 to 7)	6 (4 to 7)	5 (5 to 5)	4 (4 to 4)	10 (10 to 11)	14 (13 to 16)	20 (18 to 22)	40 (37 to 43)	15 (14 to 15)
	Death #, 2017	4 (3 to 5)	2 (1 to 2)	3 (2 to 4)	3 (2 to 4)	3 (3 to 3)	3 (3 to 3)	6 (6 to 7)	8 (6 to 12)	12 (9 to 16)	24 (20 to 29)	9 (8 to 10)
	% change 1990-2017	**-64.7% (-77.7% to -44.1%)#**	**-62.7% (-76.2% to -42.9%)#**	**-73.5% (-81.4% to -63.0%)#**	**-67.2% (-76.8% to -54.2%)#**	**-72.2% (-76.9% to -66.8%)#**	**-55.6% (-60.4% to -50.8%)#**	**-61.9% (-66.0% to -57.5%)#**	**-68.3% (-78.2% to -55.6%)#**	**-68.0% (-77.0% to -56.3%)#**	**-66.0% (-72.5% to -58.6%)#**	**-60.0% (-64.0% to -55.8%)#**
	% change 2000-2017	**-38.5% (-59.1% to -10.4%)#**	**-38.4% (-60.1% to -6.5%)#**	**-44.1% (-60.8% to -21.0%)#**	**-42.2% (-60.0% to -18.3%)#**	**-40.5% (-50.1% to -29.4%)#**	**-25.8% (-33.8% to -17.5%)#**	**-40.1% (-46.6% to -33.1%)#**	**-40.7% (-59.2% to -16.4%)#**	**-41.1% (-58.0% to -20.2%)#**	**-39.1% (-50.5% to -26.1%)#**	**-36.0% (-42.2% to -29.0%)#**
Toyama	Death #, 1990	25 (20 to 30)	10 (7 to 13)	21 (19 to 23)	21 (18 to 24)	11 (10 to 12)	9 (9 to 9)	37 (36 to 38)	56 (50 to 63)	76 (70 to 83)	134 (126 to 141)	46 (45 to 47)
	Death #, 2000	14 (13 to 16)	7 (5 to 9)	14 (12 to 15)	11 (9 to 14)	7 (6 to 7)	8 (8 to 9)	20 (20 to 20)	35 (32 to 38)	46 (42 to 50)	81 (77 to 86)	28 (28 to 29)
	Death #, 2017	5 (3 to 7)	2 (2 to 3)	6 (4 to 8)	5 (4 to 7)	4 (3 to 5)	6 (5 to 6)	13 (11 to 15)	13 (9 to 18)	18 (13 to 25)	41 (34 to 49)	19 (17 to 20)
	% change 1990-2017	**-80.4% (-87.6% to -70.5%)#**	**-75.5% (-85.4% to -62.2%)#**	**-73.1% (-80.4% to -63.7%)#**	**-74.2% (-81.2% to -65.9%)#**	**-64.7% (-70.3% to -59.1%)#**	**-38.8% (-45.0% to -32.8%)#**	**-65.0% (-69.0% to -60.7%)#**	**-76.8% (-84.2% to -67.4%)#**	**-76.1% (-82.9% to -68.0%)#**	**-69.5% (-74.8% to -63.5%)#**	**-59.8% (-64.0% to -55.5%)#**
	% change 2000-2017	**-66.7% (-77.1% to -52.6%)#**	**-65.3% (-77.6% to -47.4%)#**	**-58.7% (-69.9% to -43.5%)#**	**-52.0% (-66.1% to -32.5%)#**	**-43.5% (-52.2% to -33.6%)#**	**-31.8% (-38.8% to -24.8%)#**	**-34.9% (-42.4% to -26.9%)#**	**-63.3% (-74.2% to -48.4%)#**	**-60.5% (-71.6% to -46.8%)#**	**-49.9% (-58.4% to -40.2%)#**	**-34.0% (-40.6% to -26.9%)#**
Wakayama	Death #, 1990	22 (18 to 26)	8 (6 to 10)	19 (16 to 21)	18 (16 to 21)	13 (13 to 14)	10 (9 to 10)	41 (41 to 42)	48 (42 to 55)	66 (61 to 72)	131 (125 to 139)	51 (50 to 52)
	Death #, 2000	12 (10 to 13)	4 (3 to 5)	12 (11 to 14)	11 (9 to 14)	6 (6 to 6)	5 (5 to 5)	20 (20 to 21)	28 (26 to 31)	39 (36 to 43)	70 (66 to 75)	25 (25 to 26)
	Death #, 2017	5 (3 to 7)	2 (1 to 3)	5 (3 to 6)	4 (3 to 5)	4 (3 to 4)	3 (3 to 4)	8 (7 to 9)	12 (8 to 16)	16 (11 to 21)	31 (25 to 37)	11 (10 to 13)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 1990-2017	**-77.4% (-85.4% to -66.3%)#**	**-74.4% (-84.2% to -59.1%)#**	**-74.5% (-81.8% to -64.8%)#**	**-78.7% (-84.7% to -71.4%)#**	**-73.6% (-77.7% to -69.1%)#**	**-66.7% (-70.0% to -63.3%)#**	**-80.3% (-82.6% to -77.9%)#**	**-75.8% (-83.4% to -66.1%)#**	**-76.6% (-83.3% to -68.1%)#**	**-76.7% (-81.0% to -71.5%)#**	**-77.7% (-80.0% to -75.3%)#**
	% change 2000-2017	**-57.6% (-71.6% to -38.5%)#**	**-51.7% (-69.7% to -24.0%)#**	**-61.6% (-72.2% to -47.5%)#**	**-64.4% (-75.1% to -49.9%)#**	**-39.9% (-49.1% to -29.3%)#**	**-38.9% (-44.9% to -32.1%)#**	**-59.5% (-64.3% to -54.3%)#**	**-58.6% (-70.8% to -41.3%)#**	**-60.2% (-71.5% to -45.3%)#**	**-56.7% (-64.5% to -46.9%)#**	**-55.2% (-60.0% to -50.1%)#**
Yamagata	Death #, 1990	21 (18 to 26)	6 (5 to 7)	19 (17 to 21)	21 (18 to 25)	12 (11 to 12)	11 (11 to 12)	27 (27 to 28)	47 (42 to 53)	67 (63 to 73)	118 (112 to 124)	39 (38 to 39)
	Death #, 2000	12 (10 to 14)	5 (4 to 7)	13 (11 to 14)	11 (9 to 14)	7 (7 to 8)	7 (6 to 7)	24 (24 to 25)	29 (27 to 32)	41 (38 to 44)	79 (74 to 83)	31 (30 to 31)
	Death #, 2017	7 (5 to 10)	3 (2 to 4)	6 (5 to 8)	6 (4 to 7)	4 (4 to 5)	4 (4 to 4)	12 (10 to 13)	16 (11 to 22)	22 (16 to 29)	41 (34 to 50)	16 (14 to 18)
	% change 1990-2017	**-66.7% (-78.7% to -50.2%)#**	**-55.4% (-71.8% to -32.1%)#**	**-67.2% (-76.1% to -55.8%)#**	**-73.6% (-80.9% to -64.6%)#**	**-65.6% (-70.9% to -60.2%)#**	**-65.2% (-68.7% to -61.7%)#**	**-57.4% (-62.8% to -51.5%)#**	**-65.5% (-76.0% to -52.7%)#**	**-68.0% (-77.2% to -56.9%)#**	**-65.0% (-71.7% to -57.5%)#**	**-59.7% (-64.1% to -54.5%)#**
	% change 2000-2017	**-40.1% (-58.7% to -15.2%)#**	**-47.0% (-67.1% to -16.3%)#**	**-50.0% (-63.5% to -31.2%)#**	**-51.8% (-65.9% to -32.9%)#**	**-43.4% (-51.8% to -33.9%)#**	**-40.5% (-46.5% to -34.3%)#**	**-51.5% (-57.6% to -44.6%)#**	**-45.5% (-61.8% to -24.0%)#**	**-47.2% (-61.9% to -28.2%)#**	**-47.6% (-57.5% to -36.6%)#**	**-49.2% (-55.1% to -42.8%)#**
Yamaguchi	Death #, 1990	31 (25 to 38)	12 (9 to 15)	29 (26 to 32)	27 (22 to 31)	17 (16 to 18)	19 (19 to 20)	49 (48 to 50)	71 (64 to 80)	98 (91 to 106)	183 (174 to 193)	68 (67 to 70)
	Death #, 2000	14 (12 to 17)	7 (5 to 9)	19 (17 to 22)	17 (13 to 20)	8 (8 to 9)	8 (8 to 8)	28 (28 to 29)	41 (37 to 44)	57 (53 to 62)	102 (97 to 108)	36 (36 to 37)
	Death #, 2017	7 (5 to 10)	2 (2 to 3)	8 (6 to 10)	7 (6 to 9)	3 (3 to 4)	4 (4 to 5)	15 (13 to 16)	17 (12 to 24)	25 (18 to 33)	47 (39 to 56)	19 (17 to 21)
	% change 1990-2017	**-76.6% (-84.9% to -65.5%)#**	**-79.7% (-87.2% to -68.7%)#**	**-72.8% (-80.4% to -63.1%)#**	**-72.2% (-79.4% to -63.4%)#**	**-80.3% (-83.2% to -77.2%)#**	**-77.8% (-79.9% to -75.5%)#**	**-70.3% (-73.9% to -66.4%)#**	**-75.6% (-83.2% to -66.3%)#**	**-74.7% (-81.9% to -66.4%)#**	**-74.3% (-79.1% to -68.9%)#**	**-72.4% (-75.4% to -69.0%)#**
	% change 2000-2017	**-49.5% (-65.5% to -27.4%)#**	**-65.8% (-78.0% to -47.4%)#**	**-60.1% (-71.8% to -44.7%)#**	**-55.5% (-67.9% to -39.1%)#**	**-60.4% (-66.2% to -53.6%)#**	**-47.3% (-52.7% to -41.4%)#**	**-48.6% (-54.8% to -41.8%)#**	**-57.4% (-69.9% to -40.3%)#**	**-56.8% (-68.8% to -41.1%)#**	**-54.1% (-62.3% to -44.2%)#**	**-48.3% (-53.8% to -42.1%)#**
Yamanashi	Death #, 1990	17 (14 to 20)	6 (4 to 7)	16 (14 to 18)	17 (14 to 20)	10 (9 to 10)	8 (7 to 8)	35 (35 to 36)	39 (34 to 43)	55 (51 to 60)	108 (102 to 114)	43 (42 to 44)
	Death #, 2000	10 (8 to 12)	5 (3 to 6)	12 (10 to 15)	9 (7 to 12)	7 (6 to 7)	5 (5 to 5)	20 (20 to 21)	27 (24 to 30)	36 (33 to 40)	68 (64 to 73)	25 (25 to 26)
	Death #, 2017	4 (3 to 5)	1 (1 to 2)	4 (3 to 5)	4 (3 to 5)	3 (3 to 3)	2 (2 to 2)	8 (7 to 9)	9 (7 to 13)	13 (9 to 18)	27 (22 to 32)	11 (9 to 12)
	% change 1990-2017	**-77.3% (-85.3% to -66.2%)#**	**-74.6% (-84.0% to -60.1%)#**	**-75.3% (-82.2% to -65.9%)#**	**-77.6% (-84.0% to -69.8%)#**	**-68.9% (-73.9% to -63.0%)#**	**-70.2% (-73.1% to -67.1%)#**	**-76.3% (-79.0% to -73.3%)#**	**-76.0% (-83.4% to -66.3%)#**	**-76.5% (-83.2% to -68.0%)#**	**-75.3% (-79.7% to -70.1%)#**	**-75.3% (-77.9% to -72.3%)#**
	% change 2000-2017	**-61.9% (-74.8% to -44.1%)#**	**-67.6% (-79.9% to -47.5%)#**	**-67.9% (-77.7% to -54.3%)#**	**-60.6% (-72.8% to -45.0%)#**	**-57.1% (-64.1% to -49.3%)#**	**-53.4% (-58.0% to -48.4%)#**	**-59.1% (-63.6% to -53.9%)#**	**-65.6% (-76.3% to -51.6%)#**	**-64.3% (-74.2% to -51.6%)#**	**-61.3% (-68.0% to -53.0%)#**	**-58.0% (-62.2% to -53.0%)#**
S Korea	Death #, 1990	1,538 (1,199 to 1,897)	557 (414 to 727)	1,753 (1,337 to 2,234)	2,312 (1,946 to 2,711)	2,710 (2,422 to 3,034)	1,935 (1,823 to 2,054)	3,945 (3,871 to 4,020)	3,847 (3,347 to 4,402)	6,160 (5,326 to 7,123)	14,748 (13,443 to 16,216)	5,879 (5,695 to 6,076)
	Death #, 2000	1,141 (1,030 to 1,248)	472 (387 to 561)	1,248 (1,064 to 1,432)	1,400 (1,221 to 1,598)	920 (903 to 937)	627 (620 to 636)	1,768 (1,760 to 1,776)	2,860 (2,672 to 3,029)	4,260 (4,144 to 4,377)	7,575 (7,434 to 7,717)	2,395 (2,380 to 2,409)
	Death #, 2017	425 (357 to 492)	212 (175 to 247)	509 (387 to 635)	290 (267 to 313)	221 (208 to 233)	200 (192 to 209)	688 (644 to 734)	1,146 (1,050 to 1,237)	1,436 (1,316 to 1,550)	2,545 (2,399 to 2,691)	888 (838 to 941)
	% change 1990-2017	**-72.3% (-79.0% to -62.1%)#**	**-62.0% (-73.7% to -44.8%)#**	**-71.0% (-80.6% to -56.0%)#**	**-87.4% (-89.5% to -84.8%)#**	**-91.8% (-92.8% to -90.7%)#**	**-89.6% (-90.4% to -88.8%)#**	**-82.6% (-83.8% to -81.3%)#**	**-70.2% (-74.3% to -65.3%)#**	**-76.7% (-80.1% to -72.7%)#**	**-82.7% (-84.5% to -80.8%)#**	**-84.9% (-85.9% to -83.9%)#**
	% change 2000-2017	**-62.7% (-69.7% to -54.7%)#**	**-55.2% (-66.3% to -40.5%)#**	**-59.2% (-70.3% to -45.0%)#**	**-79.3% (-82.2% to -75.6%)#**	**-76.0% (-77.4% to -74.5%)#**	**-68.0% (-69.5% to -66.7%)#**	**-61.1% (-63.6% to -58.5%)#**	**-60.0% (-63.8% to -55.6%)#**	**-66.3% (-69.2% to -63.5%)#**	**-66.4% (-68.5% to -64.4%)#**	**-62.9% (-65.0% to -60.8%)#**
Singapore	Death #, 1990	144 (131 to 155)	50 (45 to 54)	132 (121 to 141)	70 (59 to 82)	44 (42 to 46)	48 (47 to 49)	113 (112 to 115)	325 (299 to 350)	395 (369 to 419)	601 (571 to 628)	162 (159 to 164)
	Death #, 2000	82 (73 to 92)	34 (31 to 38)	83 (74 to 91)	37 (31 to 45)	28 (27 to 30)	39 (37 to 40)	74 (69 to 79)	199 (179 to 220)	236 (215 to 259)	376 (352 to 403)	112 (106 to 119)
	Death #, 2017	32 (24 to 44)	14 (10 to 19)	33 (26 to 43)	17 (14 to 20)	20 (18 to 21)	20 (19 to 21)	62 (59 to 66)	80 (60 to 104)	97 (75 to 124)	198 (172 to 229)	82 (77 to 87)
	% change 1990-2017	**-77.6% (-83.8% to -69.5%)#**	**-71.7% (-79.4% to -61.7%)#**	**-74.5% (-80.2% to -67.4%)#**	**-76.0% (-80.8% to -70.2%)#**	**-54.7% (-59.0% to -50.2%)#**	**-59.2% (-61.8% to -56.6%)#**	**-45.1% (-48.3% to -41.4%)#**	**-75.5% (-81.6% to -67.5%)#**	**-75.5% (-81.3% to -68.6%)#**	**-67.0% (-71.7% to -61.5%)#**	**-49.3% (-52.3% to -46.2%)#**
	% change 2000-2017	**-60.8% (-72.1% to -46.5%)#**	**-58.7% (-70.3% to -44.0%)#**	**-59.4% (-68.7% to -47.2%)#**	**-54.3% (-63.3% to -41.9%)#**	**-29.2% (-35.9% to -22.0%)#**	**-48.9% (-52.5% to -45.2%)#**	**-15.6% (-22.7% to -7.3%)#**	**-59.9% (-70.5% to -46.5%)#**	**-59.0% (-68.7% to -47.0%)#**	**-47.2% (-55.0% to -38.1%)#**	**-27.1% (-32.6% to -20.9%)#**
High-income North America	Death #, 1990	20,966 (20,560 to 21,390)	4,530 (4,374 to 4,675)	15,231 (14,818 to 15,627)	7,689 (7,445 to 7,928)	4,428 (4,403 to 4,456)	4,912 (4,896 to 4,928)	16,791 (16,762 to 16,820)	40,727 (40,344 to 41,108)	48,416 (48,056 to 48,799)	74,547 (74,121 to 74,991)	21,703 (21,662 to 21,746)
	% of global total, 1990	0.7% (0.7% to 0.7%)	0.4% (0.3% to 0.4%)	0.4% (0.4% to 0.4%)	0.2% (0.2% to 0.2%)	0.5% (0.5% to 0.5%)	1.1% (1.0% to 1.1%)	2.5% (2.5% to 2.5%)	0.5% (0.5% to 0.5%)	0.4% (0.4% to 0.4%)	0.5% (0.5% to 0.6%)	1.9% (1.9% to 1.9%)
	Death #, 2000	15,806 (15,543 to 16,076)	4,011 (3,871 to 4,153)	10,112 (9,862 to 10,371)	5,429 (5,257 to 5,614)	3,545 (3,522 to 3,567)	4,442 (4,427 to 4,458)	14,690 (14,666 to 14,716)	29,928 (29,600 to 30,225)	35,357 (35,056 to 35,653)	58,034 (57,694 to 58,375)	19,132 (19,097 to 19,169)
	% of global total, 2000	0.6% (0.6% to 0.6%)	0.4% (0.4% to 0.5%)	0.3% (0.3% to 0.3%)	0.2% (0.2% to 0.2%)	0.5% (0.5% to 0.5%)	0.9% (0.9% to 0.9%)	2.2% (2.1% to 2.2%)	0.4% (0.4% to 0.5%)	0.4% (0.4% to 0.4%)	0.5% (0.5% to 0.5%)	1.6% (1.6% to 1.7%)
	Death #, 2017	12,803 (12,330 to 13,265)	3,219 (3,070 to 3,364)	7,899 (7,613 to 8,175)	4,194 (4,060 to 4,326)	2,573 (2,528 to 2,614)	3,305 (3,258 to 3,348)	11,758 (11,511 to 12,028)	23,921 (23,011 to 24,781)	28,115 (27,078 to 29,090)	45,750 (44,558 to 46,850)	15,062 (14,778 to 15,363)
	% of global total, 2017	0.7% (0.7% to 0.7%)	0.6% (0.6% to 0.7%)	0.5% (0.5% to 0.5%)	0.3% (0.3% to 0.3%)	0.6% (0.6% to 0.6%)	1.0% (1.0% to 1.1%)	2.3% (2.2% to 2.3%)	0.6% (0.6% to 0.6%)	0.5% (0.5% to 0.6%)	0.7% (0.7% to 0.7%)	1.8% (1.8% to 1.9%)
	% change 1990-2017	**-38.9% (-41.6% to -36.2%)#**	**-29.0% (-32.9% to -24.7%)#**	**-48.1% (-50.4% to -45.9%)#**	**-45.5% (-47.9% to -42.9%)#**	**-41.9% (-42.9% to -40.8%)#**	**-32.7% (-33.7% to -31.8%)#**	**-30.0% (-31.5% to -28.4%)#**	**-41.3% (-43.5% to -39.0%)#**	**-41.9% (-44.1% to -39.8%)#**	**-38.6% (-40.3% to -37.1%)#**	**-30.6% (-31.9% to -29.2%)#**
	% change 2000-2017	**-19.0% (-22.2% to -15.8%)#**	**-19.8% (-24.4% to -14.9%)#**	**-21.9% (-25.3% to -18.4%)#**	**-22.8% (-26.3% to -19.2%)#**	**-27.4% (-28.8% to -26.1%)#**	**-25.6% (-26.7% to -24.6%)#**	**-20.0% (-21.7% to -18.1%)#**	**-20.1% (-23.1% to -17.1%)#**	**-20.5% (-23.5% to -17.6%)#**	**-21.2% (-23.3% to -19.2%)#**	**-21.3% (-22.8% to -19.7%)#**
Canada	Death #, 1990	1,482 (1,369 to 1,602)	312 (261 to 369)	939 (840 to 1,046)	543 (468 to 632)	378 (368 to 387)	418 (412 to 424)	1,261 (1,253 to 1,269)	2,733 (2,610 to 2,850)	3,276 (3,176 to 3,379)	5,333 (5,211 to 5,456)	1,679 (1,666 to 1,692)
	Death #, 2000	925 (865 to 988)	232 (197 to 270)	535 (486 to 585)	317 (266 to 371)	256 (249 to 264)	318 (313 to 323)	1,043 (1,036 to 1,050)	1,692 (1,626 to 1,755)	2,009 (1,936 to 2,088)	3,627 (3,538 to 3,722)	1,361 (1,350 to 1,373)
	Death #, 2017	890 (681 to 1,157)	287 (218 to 376)	641 (496 to 823)	273 (226 to 329)	181 (167 to 197)	249 (237 to 262)	804 (761 to 849)	1,819 (1,393 to 2,353)	2,091 (1,621 to 2,679)	3,326 (2,812 to 3,971)	1,053 (999 to 1,108)
	% change 1990-2017	**-39.9% (-54.5% to -21.7%)#**	-8.1% (-34.2% to 26.5%)	**-31.7% (-49.0% to -10.1%)#**	**-49.8% (-59.9% to -36.3%)#**	**-52.0% (-55.8% to -47.7%)#**	**-40.4% (-43.5% to -37.2%)#**	**-36.3% (-39.8% to -32.6%)#**	**-33.5% (-49.0% to -13.4%)#**	**-36.2% (-50.5% to -18.2%)#**	**-37.6% (-47.3% to -25.8%)#**	**-37.3% (-40.4% to -33.9%)#**
	% change 2000-2017	-3.7% (-27.4% to 26.1%)	23.5% (-10.4% to 67.0%)	19.8% (-9.1% to 56.1%)	-14.1% (-34.2% to 8.8%)	**-29.3% (-35.3% to -23.1%)#**	**-21.6% (-25.7% to -17.2%)#**	**-22.9% (-27.1% to -18.6%)#**	7.5% (-18.3% to 38.8%)	4.1% (-20.3% to 33.7%)	-8.3% (-22.9% to 9.2%)	**-22.6% (-26.6% to -18.4%)#**
Greenland	Death #, 1990	16 (14 to 18)	4 (4 to 5)	13 (10 to 15)	6 (5 to 8)	5 (4 to 5)	4 (4 to 4)	11 (10 to 11)	33 (29 to 37)	40 (34 to 45)	59 (53 to 65)	14 (14 to 15)
	Death #, 2000	7 (6 to 8)	2 (2 to 2)	5 (4 to 6)	5 (4 to 6)	3 (3 to 3)	4 (3 to 4)	8 (8 to 9)	14 (12 to 17)	19 (16 to 23)	34 (30 to 39)	12 (12 to 13)
	Death #, 2017	4 (3 to 6)	1 (1 to 1)	3 (2 to 4)	3 (2 to 3)	1 (1 to 1)	2 (1 to 2)	4 (4 to 4)	9 (7 to 11)	11 (9 to 14)	18 (15 to 21)	5 (5 to 6)
	% change 1990-2017	**-72.5% (-79.1% to -64.4%)#**	**-73.4% (-80.0% to -64.8%)#**	**-74.9% (-81.4% to -65.6%)#**	**-60.9% (-72.4% to -45.4%)#**	**-78.2% (-81.9% to -74.6%)#**	**-59.4% (-64.5% to -54.7%)#**	**-63.6% (-66.7% to -60.9%)#**	**-73.5% (-79.7% to -65.7%)#**	**-71.4% (-78.4% to -62.5%)#**	**-69.8% (-75.7% to -62.9%)#**	**-62.5% (-66.1% to -59.5%)#**

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 2000-2017	**-35.8% (-50.5% to -16.1%)#**	**-41.0% (-55.3% to -20.3%)#**	**-40.3% (-52.8% to -22.4%)#**	**-47.3% (-61.5% to -25.3%)#**	**-66.2% (-71.8% to -60.2%)#**	**-57.9% (-63.2% to -52.5%)#**	**-53.6% (-57.4% to -50.1%)#**	**-38.2% (-51.6% to -20.8%)#**	**-40.5% (-53.6% to -22.1%)#**	**-47.9% (-56.9% to -36.2%)#**	**-54.9% (-59.1% to -50.8%)#**
USA	Death #, 1990	19,467 (19,088 to 19,867)	4,214 (4,061 to 4,357)	14,279 (13,861 to 14,692)	7,140 (6,914 to 7,363)	4,046 (4,023 to 4,071)	4,490 (4,476 to 4,505)	15,519 (15,494 to 15,546)	37,960 (37,579 to 38,339)	45,100 (44,766 to 45,461)	69,154 (68,771 to 69,567)	20,009 (19,972 to 20,048)
	Death #, 2000	14,874 (14,612 to 15,136)	3,776 (3,642 to 3,909)	9,571 (9,326 to 9,827)	5,107 (4,946 to 5,280)	3,285 (3,264 to 3,307)	4,120 (4,106 to 4,135)	13,638 (13,614 to 13,662)	28,221 (27,905 to 28,518)	33,328 (33,035 to 33,613)	54,372 (54,034 to 54,701)	17,759 (17,724 to 17,793)
	Death #, 2017	11,908 (11,509 to 12,293)	2,930 (2,809 to 3,051)	7,254 (7,022 to 7,476)	3,919 (3,795 to 4,042)	2,391 (2,350 to 2,431)	3,054 (3,009 to 3,096)	10,950 (10,698 to 11,209)	22,093 (21,359 to 22,809)	26,012 (25,175 to 26,833)	42,406 (41,395 to 43,345)	14,003 (13,720 to 14,296)
	% change 1990-2017	**-38.8% (-41.3% to -36.4%)#**	**-30.5% (-34.1% to -26.5%)#**	**-49.2% (-51.2% to -47.0%)#**	**-45.1% (-47.6% to -42.5%)#**	**-40.9% (-42.0% to -39.8%)#**	**-32.0% (-33.0% to -31.0%)#**	**-29.4% (-31.1% to -27.8%)#**	**-41.8% (-43.8% to -39.7%)#**	**-42.3% (-44.2% to -40.3%)#**	**-38.7% (-40.2% to -37.2%)#**	**-30.0% (-31.4% to -28.6%)#**
	% change 2000-2017	**-19.9% (-23.0% to -16.9%)#**	**-22.4% (-26.5% to -18.2%)#**	**-24.2% (-27.2% to -21.1%)#**	**-23.3% (-27.1% to -19.7%)#**	**-27.2% (-28.6% to -25.9%)#**	**-25.9% (-27.0% to -24.8%)#**	**-19.7% (-21.6% to -17.8%)#**	**-21.7% (-24.4% to -18.9%)#**	**-21.9% (-24.6% to -19.2%)#**	**-22.0% (-23.9% to -20.1%)#**	**-21.1% (-22.8% to -19.5%)#**
Alabama	Death #, 1990	395 (350 to 441)	90 (73 to 110)	251 (212 to 293)	136 (114 to 163)	82 (79 to 86)	102 (100 to 105)	360 (355 to 364)	736 (692 to 782)	872 (828 to 917)	1,416 (1,363 to 1,470)	462 (456 to 468)
	Death #, 2000	300 (261 to 337)	89 (71 to 109)	229 (195 to 270)	113 (90 to 140)	66 (63 to 69)	88 (86 to 90)	306 (302 to 310)	618 (575 to 660)	731 (692 to 774)	1,190 (1,145 to 1,239)	394 (388 to 399)
	Death #, 2017	222 (188 to 261)	87 (72 to 105)	185 (161 to 213)	83 (72 to 96)	53 (49 to 57)	65 (60 to 70)	239 (213 to 268)	493 (421 to 575)	577 (495 to 671)	933 (837 to 1,046)	304 (274 to 337)
	% change 1990-2017	**-43.8% (-54.2% to -30.4%)#**	-3.5% (-26.1% to 29.0%)	**-26.4% (-40.6% to -8.5%)#**	**-39.0% (-51.5% to -23.0%)#**	**-35.9% (-41.1% to -29.7%)#**	**-36.7% (-41.0% to -31.7%)#**	**-33.5% (-41.0% to -25.4%)#**	**-32.9% (-43.2% to -20.6%)#**	**-33.9% (-43.5% to -21.9%)#**	**-34.1% (-41.2% to -25.2%)#**	**-34.2% (-40.7% to -27.0%)#**
	% change 2000-2017	**-26.0% (-40.0% to -7.2%)#**	-2.3% (-26.1% to 31.9%)	**-19.4% (-35.0% to -0.8%)#**	**-26.7% (-43.0% to -4.2%)#**	**-19.6% (-26.4% to -11.7%)#**	**-26.1% (-31.5% to -20.3%)#**	**-21.9% (-30.4% to -12.5%)#**	**-20.1% (-33.0% to -4.8%)#**	**-21.1% (-32.6% to -7.1%)#**	**-21.6% (-30.1% to -11.4%)#**	**-22.8% (-30.3% to -14.4%)#**
Alaska	Death #, 1990	34 (29 to 38)	10 (7 to 14)	54 (46 to 63)	22 (18 to 27)	16 (15 to 17)	15 (15 to 16)	50 (49 to 51)	98 (90 to 107)	120 (112 to 129)	202 (192 to 212)	66 (64 to 67)
	Death #, 2000	22 (19 to 25)	7 (5 to 10)	36 (31 to 42)	17 (13 to 22)	9 (9 to 10)	17 (16 to 17)	57 (56 to 58)	65 (59 to 71)	81 (75 to 88)	164 (156 to 172)	73 (72 to 75)
	Death #, 2017	20 (16 to 26)	9 (5 to 13)	28 (22 to 35)	14 (10 to 20)	10 (8 to 11)	12 (11 to 13)	36 (33 to 39)	57 (46 to 69)	71 (57 to 87)	129 (112 to 149)	48 (45 to 52)
	% change 1990-2017	**-39.5% (-54.2% to -23.0%)#**	-17.3% (-54.5% to 46.4%)	**-49.2% (-62.1% to -31.6%)#**	**-35.8% (-56.4% to -7.3%)#**	**-39.7% (-48.1% to -29.2%)#**	**-20.6% (-27.6% to -12.8%)#**	**-28.1% (-34.0% to -21.7%)#**	**-42.5% (-53.5% to -29.1%)#**	**-41.3% (-53.2% to -26.2%)#**	**-36.3% (-45.4% to -25.5%)#**	**-26.3% (-32.1% to -20.1%)#**
	% change 2000-2017	-5.6% (-26.6% to 20.3%)	18.8% (-35.2% to 105.7%)	-22.7% (-42.3% to 0.7%)	-16.2% (-46.0% to 25.0%)	5.1% (-10.2% to 23.3%)	**-26.0% (-32.4% to -18.9%)#**	**-36.4% (-41.5% to -30.7%)#**	-12.4% (-29.9% to 9.8%)	-13.2% (-31.6% to 9.5%)	**-21.5% (-32.6% to -8.2%)#**	**-34.1% (-39.1% to -28.6%)#**
Arizona	Death #, 1990	249 (223 to 277)	64 (54 to 74)	247 (215 to 281)	124 (106 to 144)	65 (62 to 68)	74 (73 to 76)	248 (244 to 251)	560 (525 to 598)	684 (650 to 719)	1071 (1032 to 1113)	322 (317 to 326)
	Death #, 2000	253 (229 to 279)	75 (63 to 89)	202 (177 to 228)	110 (91 to 133)	72 (69 to 75)	86 (84 to 88)	295 (292 to 299)	530 (495 to 565)	640 (605 to 674)	1093 (1050 to 1134)	381 (376 to 386)
	Death #, 2017	215 (183 to 251)	59 (49 to 72)	159 (139 to 182)	101 (88 to 116)	52 (48 to 56)	69 (64 to 74)	257 (227 to 290)	432 (371 to 504)	534 (459 to 621)	912 (821 to 1015)	326 (292 to 363)
	% change 1990-2017	-13.6% (-28.8% to 4.9%)	-8.5% (-27.8% to 19.1%)	**-35.8% (-46.6% to -22.4%)#**	-18.0% (-34.6% to 1.9%)	**-20.4% (-27.1% to -12.9%)#**	-7.2% (-14.1% to 0.1%)	3.9% (-8.2% to 17.4%)	**-22.8% (-34.1% to -9.0%)#**	**-21.9% (-33.3% to -8.7%)#**	**-14.8% (-23.7% to -4.4%)#**	1.4% (-9.4% to 12.7%)
	% change 2000-2017	-15.2% (-29.7% to 1.9%)	-21.6% (-39.2% to 2.2%)	**-21.3% (-34.7% to -6.2%)#**	-8.2% (-26.9% to 16.2%)	**-28.1% (-33.7% to -21.6%)#**	**-19.8% (-25.3% to -13.7%)#**	**-12.8% (-22.8% to -1.4%)#**	**-18.4% (-31.1% to -4.1%)#**	**-16.7% (-28.8% to -2.1%)#**	**-16.6% (-25.2% to -6.6%)#**	**-14.4% (-22.9% to -4.6%)#**
Arkansas	Death #, 1990	159 (135 to 184)	46 (31 to 64)	164 (140 to 190)	79 (66 to 91)	55 (52 to 58)	62 (61 to 64)	203 (199 to 206)	369 (345 to 396)	447 (420 to 477)	767 (734 to 804)	265 (260 to 270)
	Death #, 2000	145 (125 to 167)	41 (32 to 53)	133 (110 to 158)	69 (60 to 80)	39 (38 to 42)	59 (57 to 61)	184 (181 to 186)	319 (296 to 345)	389 (365 to 415)	671 (642 to 702)	243 (239 to 247)
	Death #, 2017	124 (105 to 146)	30 (25 to 37)	108 (94 to 125)	46 (40 to 53)	35 (33 to 38)	40 (37 to 44)	150 (133 to 171)	263 (226 to 306)	309 (265 to 359)	534 (480 to 596)	190 (171 to 213)
	% change 1990-2017	**-21.6% (-37.2% to -0.8%)#**	-34.4% (-55.2% to 1.4%)	**-34.2% (-45.9% to -18.9%)#**	**-41.5% (-53.1% to -26.3%)#**	**-35.4% (-41.3% to -28.8%)#**	**-35.5% (-40.3% to -29.7%)#**	**-26.1% (-34.2% to -15.9%)#**	**-28.8% (-40.1% to -15.5%)#**	**-31.0% (-41.8% to -18.7%)#**	**-30.4% (-38.3% to -21.2%)#**	**-28.3% (-35.4% to -19.2%)#**
	% change 2000-2017	-14.4% (-31.4% to 6.5%)	-27.4% (-47.9% to 1.1%)	-18.4% (-35.8% to 3.4%)	**-33.6% (-44.9% to -19.4%)#**	**-10.1% (-18.3% to -0.9%)#**	**-31.9% (-36.9% to -25.7%)#**	**-18.4% (-27.6% to -6.8%)#**	**-17.8% (-30.9% to -2.3%)#**	**-20.6% (-33.0% to -6.0%)#**	**-20.4% (-29.3% to -9.6%)#**	**-21.7% (-29.7% to -12.0%)#**
California	Death #, 1990	2,053 (1,863 to 2,263)	502 (420 to 582)	2,063 (1,819 to 2,315)	904 (777 to 1,047)	454 (445 to 463)	496 (491 to 502)	1,852 (1,842 to 1,862)	4,618 (4,412 to 4,828)	5,522 (5,370 to 5,683)	8,324 (8,152 to 8,505)	2,348 (2,334 to 2,362)
	Death #, 2000	1,518 (1,397 to 1,652)	394 (329 to 467)	1,094 (971 to 1,225)	579 (478 to 698)	375 (367 to 383)	458 (453 to 464)	1,356 (1,349 to 1,365)	3,006 (2,859 to 3,147)	3,585 (3,484 to 3,681)	5,774 (5,656 to 5,893)	1,815 (1,802 to 1,827)
	Death #, 2017	1,189 (1,018 to 1,388)	283 (235 to 342)	654 (571 to 753)	370 (322 to 425)	222 (206 to 240)	292 (275 to 312)	1,067 (957 to 1,184)	2,126 (1,828 to 2,476)	2,496 (2,151 to 2,897)	4,078 (3,674 to 4,556)	1,360 (1,237 to 1,495)
	% change 1990-2017	**-42.1% (-52.4% to -30.5%)#**	**-43.6% (-55.4% to -27.5%)#**	**-68.3% (-73.7% to -62.0%)#**	**-59.1% (-66.8% to -49.8%)#**	**-51.1% (-54.7% to -47.0%)#**	**-41.0% (-44.7% to -37.0%)#**	**-42.4% (-48.3% to -36.1%)#**	**-54.0% (-61.0% to -46.0%)#**	**-54.8% (-61.0% to -47.4%)#**	**-51.0% (-55.9% to -45.1%)#**	**-42.1% (-47.4% to -36.5%)#**
	% change 2000-2017	**-21.7% (-34.4% to -5.6%)#**	**-28.2% (-44.1% to -6.8%)#**	**-40.2% (-50.3% to -28.8%)#**	**-36.1% (-49.1% to -18.5%)#**	**-40.9% (-45.4% to -35.8%)#**	**-36.2% (-40.2% to -31.6%)#**	**-21.3% (-29.6% to -12.7%)#**	**-29.3% (-40.0% to -16.6%)#**	**-30.4% (-40.1% to -18.7%)#**	**-29.4% (-36.3% to -20.8%)#**	**-25.1% (-32.0% to -17.6%)#**
Colorado	Death #, 1990	216 (190 to 243)	48 (39 to 58)	198 (168 to 235)	84 (73 to 97)	50 (47 to 52)	57 (56 to 59)	191 (188 to 193)	462 (432 to 497)	546 (514 to 582)	844 (807 to 885)	248 (244 to 252)
	Death #, 2000	223 (200 to 247)	50 (40 to 62)	132 (112 to 154)	72 (62 to 83)	43 (41 to 45)	70 (68 to 72)	200 (198 to 203)	405 (379 to 430)	476 (448 to 505)	790 (756 to 823)	271 (267 to 275)
	Death #, 2017	196 (167 to 229)	42 (35 to 51)	84 (73 to 97)	63 (54 to 72)	33 (30 to 35)	56 (52 to 60)	182 (161 to 204)	323 (276 to 378)	386 (331 to 450)	657 (591 to 731)	239 (214 to 263)
	% change 1990-2017	-9.3% (-26.6% to 10.8%)	-12.0% (-32.6% to 14.7%)	**-57.4% (-65.2% to -47.6%)#**	**-25.1% (-39.1% to -7.4%)#**	**-34.0% (-39.5% to -27.8%)#**	-2.1% (-8.9% to 5.0%)	-4.3% (-15.3% to 6.6%)	**-30.2% (-40.6% to -17.1%)#**	**-29.4% (-39.7% to -17.0%)#**	**-22.1% (-30.3% to -12.6%)#**	-3.8% (-13.6% to 5.8%)
	% change 2000-2017	-12.3% (-26.8% to 6.7%)	-14.6% (-35.3% to 13.6%)	**-36.0% (-49.0% to -20.6%)#**	-12.1% (-27.9% to 7.9%)	**-23.4% (-29.8% to -16.0%)#**	**-20.1% (-25.9% to -14.3%)#**	-9.0% (-19.6% to 1.6%)	**-20.3% (-32.5% to -6.1%)#**	**-19.0% (-31.3% to -5.0%)#**	**-16.8% (-25.8% to -6.2%)#**	**-11.8% (-20.9% to -3.1%)#**
Connecticut	Death #, 1990	255 (226 to 288)	38 (29 to 49)	107 (88 to 127)	65 (52 to 83)	37 (36 to 39)	34 (33 to 34)	143 (141 to 145)	400 (372 to 430)	465 (439 to 494)	679 (650 to 712)	177 (174 to 179)
	Death #, 2000	169 (148 to 190)	33 (25 to 43)	63 (54 to 74)	36 (29 to 45)	29 (27 to 30)	36 (35 to 36)	107 (105 to 108)	265 (244 to 289)	301 (283 to 321)	471 (451 to 495)	142 (140 to 145)
	Death #, 2017	114 (92 to 141)	18 (13 to 25)	53 (42 to 66)	22 (13 to 33)	16 (13 to 18)	23 (20 to 25)	86 (76 to 98)	185 (152 to 225)	206 (166 to 257)	331 (285 to 387)	109 (97 to 122)
	% change 1990-2017	**-55.3% (-64.9% to -43.1%)#**	**-51.6% (-67.7% to -27.8%)#**	**-50.7% (-63.1% to -34.1%)#**	**-67.2% (-80.3% to -46.5%)#**	**-58.3% (-64.0% to -51.4%)#**	**-33.0% (-39.5% to -25.9%)#**	**-39.7% (-47.0% to -31.4%)#**	**-53.7% (-62.2% to -43.5%)#**	**-55.6% (-64.3% to -44.6%)#**	**-51.3% (-58.4% to -42.8%)#**	**-38.5% (-45.3% to -30.7%)#**
	% change 2000-2017	**-32.6% (-48.2% to -12.6%)#**	**-43.3% (-60.1% to -20.4%)#**	-16.9% (-35.4% to 7.8%)	**-40.1% (-64.8% to -2.7%)#**	**-45.5% (-53.1% to -36.4%)#**	**-36.7% (-43.0% to -29.9%)#**	**-19.1% (-28.9% to -7.9%)#**	**-30.2% (-44.1% to -12.7%)#**	**-31.3% (-45.6% to -13.3%)#**	**-29.8% (-40.9% to -17.0%)#**	**-23.5% (-32.1% to -14.0%)#**
Delaware	Death #, 1990	72 (64 to 79)	11 (8 to 14)	38 (33 to 44)	18 (14 to 22)	9 (9 to 10)	11 (11 to 12)	29 (28 to 29)	120 (112 to 128)	138 (129 to 148)	187 (177 to 198)	40 (39 to 41)
	Death #, 2000	56 (49 to 63)	12 (9 to 15)	32 (27 to 37)	14 (11 to 18)	9 (8 to 9)	11 (11 to 12)	35 (35 to 36)	99 (92 to 108)	113 (105 to 122)	169 (159 to 179)	47 (46 to 47)
	Death #, 2017	52 (41 to 65)	10 (6 to 15)	23 (18 to 29)	11 (8 to 15)	6 (5 to 7)	8 (8 to 9)	31 (29 to 35)	84 (68 to 103)	95 (77 to 117)	140 (119 to 166)	40 (37 to 43)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 1990-2017	**-28.0% (-43.9% to -7.6%)#**	-10.4% (-50.5% to 55.5%)	**-40.1% (-55.4% to -18.4%)#**	**-39.2% (-57.9% to -11.4%)#**	**-38.0% (-46.9% to -27.5%)#**	**-25.0% (-31.6% to -17.6%)#**	**10.1% (0.1% to 21.3%)#**	**-30.3% (-43.5% to -13.9%)#**	**-31.4% (-44.5% to -14.7%)#**	**-25.1% (-36.5% to -11.4%)#**	0.2% (-8.3% to 9.4%)
	% change 2000-2017	-7.6% (-29.1% to 21.7%)	-19.1% (-53.5% to 35.1%)	**-28.4% (-46.1% to -3.9%)#**	-21.4% (-48.2% to 17.2%)	**-35.9% (-45.5% to -23.8%)#**	**-26.3% (-33.0% to -18.9%)#**	**-10.6% (-18.6% to -1.9%)#**	-15.6% (-32.4% to 6.1%)	-16.3% (-33.6% to 5.4%)	**-16.8% (-30.1% to -0.8%)#**	**-14.4% (-21.6% to -7.0%)#**
DC	Death #, 1990	153 (137 to 170)	23 (17 to 31)	137 (119 to 158)	36 (29 to 44)	11 (10 to 11)	13 (12 to 13)	95 (93 to 97)	313 (295 to 333)	349 (331 to 369)	467 (447 to 489)	107 (105 to 110)
	Death #, 2000	67 (59 to 75)	14 (10 to 18)	58 (49 to 68)	18 (14 to 23)	9 (9 to 10)	7 (7 to 8)	48 (47 to 49)	138 (129 to 149)	156 (146 to 168)	221 (210 to 234)	56 (54 to 57)
	Death #, 2017	52 (41 to 65)	13 (7 to 20)	43 (33 to 55)	15 (10 to 21)	6 (5 to 7)	4 (4 to 5)	19 (17 to 22)	107 (88 to 131)	122 (99 to 151)	151 (126 to 182)	23 (21 to 26)
	% change 1990-2017	**-66.2% (-73.8% to -56.6%)#**	**-46.0% (-70.5% to -5.4%)#**	**-68.8% (-76.3% to -58.6%)#**	**-58.3% (-72.0% to -39.8%)#**	**-42.0% (-49.9% to -32.4%)#**	**-66.5% (-69.6% to -63.2%)#**	**-79.9% (-82.4% to -77.1%)#**	**-65.8% (-72.2% to -57.8%)#**	**-65.1% (-72.0% to -56.5%)#**	**-67.6% (-73.2% to -60.8%)#**	**-78.3% (-80.8% to -75.6%)#**
	% change 2000-2017	**-22.3% (-40.1% to -0.5%)#**	-9.1% (-50.4% to 55.9%)	**-25.8% (-44.8% to -2.9%)#**	-19.1% (-48.1% to 21.3%)	**-33.0% (-42.3% to -21.2%)#**	**-42.6% (-47.9% to -36.8%)#**	**-60.5% (-65.4% to -54.8%)#**	**-22.4% (-37.8% to -4.3%)#**	**-22.0% (-37.9% to -1.8%)#**	**-31.6% (-43.6% to -16.9%)#**	**-58.1% (-62.9% to -52.9%)#**
Florida	Death #, 1990	996 (905 to 1,101)	217 (179 to 250)	817 (717 to 923)	425 (368 to 488)	208 (202 to 213)	221 (218 to 224)	738 (732 to 744)	2,030 (1,942 to 2,119)	2,455 (2,374 to 2,539)	3,622 (3,531 to 3,717)	959 (950 to 967)
	Death #, 2000	774 (706 to 842)	211 (174 to 253)	597 (536 to 663)	313 (274 to 360)	156 (150 to 161)	228 (224 to 232)	727 (721 to 733)	1,582 (1,495 to 1,665)	1,895 (1,811 to 1,979)	3,007 (2,907 to 3,103)	955 (946 to 965)
	Death #, 2017	762 (651 to 888)	182 (151 to 221)	477 (417 to 549)	279 (242 to 321)	143 (132 to 155)	169 (157 to 181)	653 (579 to 723)	1,422 (1,221 to 1,656)	1,701 (1,465 to 1,976)	2,665 (2,389 to 2,989)	821 (740 to 904)
	% change 1990-2017	**-23.5% (-37.1% to -8.2%)#**	-15.8% (-32.8% to 9.1%)	**-41.6% (-51.6% to -30.1%)#**	**-34.4% (-46.5% to -18.9%)#**	**-31.2% (-36.9% to -25.3%)#**	**-23.6% (-28.8% to -18.0%)#**	**-11.6% (-21.6% to -1.9%)#**	**-30.0% (-40.3% to -17.9%)#**	**-30.7% (-40.7% to -19.2%)#**	**-26.4% (-34.6% to -17.5%)#**	**-14.3% (-23.0% to -5.8%)#**
	% change 2000-2017	-1.6% (-17.4% to 17.4%)	-13.4% (-33.9% to 14.3%)	**-20.1% (-33.4% to -5.3%)#**	-11.0% (-26.3% to 8.2%)	-8.3% (-15.7% to 0.2%)	**-26.0% (-31.0% to -20.8%)#**	**-10.3% (-20.4% to -0.2%)#**	-10.1% (-23.2% to 5.3%)	-10.3% (-22.7% to 5.2%)	**-11.4% (-20.8% to -0.3%)#**	**-14.0% (-22.8% to -5.2%)#**
Georgia	Death #, 1990	743 (664 to 829)	149 (125 to 171)	473 (418 to 528)	229 (196 to 268)	136 (131 to 140)	133 (131 to 135)	476 (472 to 481)	1,365 (1,298 to 1,435)	1,594 (1,525 to 1,662)	2,339 (2,262 to 2,417)	609 (603 to 615)
	Death #, 2000	566 (517 to 615)	154 (129 to 183)	377 (332 to 423)	183 (149 to 223)	112 (108 to 116)	145 (143 to 148)	466 (461 to 471)	1,096 (1,036 to 1,162)	1,279 (1,227 to 1,335)	2,002 (1,941 to 2,069)	611 (604 to 618)
	Death #, 2017	471 (401 to 549)	128 (106 to 155)	307 (268 to 354)	155 (134 to 178)	96 (89 to 104)	124 (115 to 133)	417 (369 to 469)	906 (777 to 1,057)	1,060 (912 to 1,234)	1,697 (1,511 to 1,899)	540 (486 to 601)
	% change 1990-2017	**-36.7% (-48.5% to -22.8%)#**	-13.9% (-31.7% to 11.8%)	**-35.0% (-45.4% to -21.6%)#**	**-32.4% (-45.8% to -16.4%)#**	**-29.2% (-34.9% to -22.7%)#**	-7.0% (-13.4% to 0.2%)	**-12.5% (-22.4% to -1.5%)#**	**-33.6% (-43.4% to -21.5%)#**	**-33.5% (-43.2% to -21.5%)#**	**-27.4% (-35.3% to -18.1%)#**	**-11.3% (-20.2% to -1.4%)#**
	% change 2000-2017	**-16.8% (-30.6% to -0.5%)#**	-16.9% (-35.5% to 8.2%)	**-18.4% (-32.5% to -2.2%)#**	-15.3% (-33.6% to 8.5%)	**-14.1% (-21.0% to -6.4%)#**	**-14.8% (-20.6% to -8.1%)#**	-10.5% (-20.8% to 0.9%)	**-17.4% (-30.0% to -2.6%)#**	**-17.1% (-28.8% to -2.7%)#**	**-15.2% (-24.5% to -4.5%)#**	**-11.6% (-20.5% to -1.7%)#**
Hawaii	Death #, 1990	66 (58 to 74)	15 (10 to 21)	55 (47 to 65)	24 (20 to 29)	13 (12 to 14)	16 (16 to 17)	45 (44 to 46)	136 (126 to 147)	160 (150 to 171)	234 (223 to 246)	61 (60 to 62)
	Death #, 2000	65 (58 to 74)	15 (11 to 19)	42 (36 to 48)	17 (14 to 22)	8 (7 to 8)	12 (11 to 12)	40 (39 to 40)	121 (113 to 131)	139 (130 to 148)	197 (188 to 207)	51 (50 to 52)
	Death #, 2017	56 (45 to 71)	9 (6 to 15)	29 (23 to 38)	14 (10 to 19)	10 (8 to 11)	10 (9 to 11)	33 (30 to 38)	95 (78 to 116)	109 (88 to 135)	162 (138 to 191)	43 (39 to 48)
	% change 1990-2017	-15.1% (-34.4% to 9.8%)	-37.0% (-66.5% to 13.8%)	**-46.6% (-60.4% to -29.1%)#**	**-41.0% (-59.5% to -15.3%)#**	**-25.4% (-35.9% to -12.5%)#**	**-39.8% (-45.9% to -33.2%)#**	**-25.5% (-34.3% to -15.8%)#**	**-30.3% (-44.0% to -12.8%)#**	**-31.9% (-45.3% to -13.7%)#**	**-30.8% (-41.7% to -17.1%)#**	**-29.3% (-36.8% to -21.0%)#**
	% change 2000-2017	-13.4% (-33.3% to 11.7%)	-35.0% (-62.8% to 14.1%)	**-29.8% (-48.3% to -6.0%)#**	-18.8% (-47.5% to 19.0%)	**27.5% (9.4% to 48.0%)#**	**-15.4% (-24.0% to -6.3%)#**	**-15.3% (-25.6% to -4.2%)#**	**-21.6% (-36.8% to -3.8%)#**	**-21.3% (-37.0% to -2.6%)#**	**-17.9% (-30.6% to -2.5%)#**	**-15.3% (-24.7% to -5.5%)#**
Idaho	Death #, 1990	65 (57 to 73)	13 (9 to 17)	55 (47 to 65)	29 (24 to 36)	19 (19 to 20)	33 (32 to 34)	74 (73 to 76)	133 (123 to 142)	162 (153 to 172)	289 (278 to 302)	108 (105 to 110)
	Death #, 2000	71 (62 to 80)	12 (9 to 15)	41 (35 to 49)	25 (19 to 32)	21 (20 to 22)	26 (25 to 26)	80 (78 to 82)	124 (116 to 133)	149 (141 to 158)	275 (265 to 287)	106 (104 to 108)
	Death #, 2017	55 (44 to 69)	9 (5 to 14)	29 (23 to 38)	17 (12 to 23)	15 (13 to 17)	25 (23 to 28)	69 (61 to 78)	94 (77 to 114)	110 (90 to 136)	220 (191 to 253)	94 (84 to 105)
	% change 1990-2017	-14.7% (-33.7% to 10.6%)	-27.1% (-60.1% to 29.6%)	**-46.9% (-60.1% to -30.0%)#**	**-43.6% (-62.0% to -18.0%)#**	**-24.6% (-34.6% to -12.4%)#**	**-24.9% (-32.2% to -16.6%)#**	-6.6% (-17.9% to 5.2%)	**-29.3% (-42.7% to -12.7%)#**	**-31.9% (-45.0% to -15.1%)#**	**-24.1% (-34.2% to -12.1%)#**	**-12.2% (-21.8% to -2.0%)#**
	% change 2000-2017	-21.9% (-40.0% to 0.6%)	-21.6% (-56.6% to 29.3%)	**-29.0% (-46.0% to -7.2%)#**	-34.0% (-58.0% to 0.7%)	**-28.6% (-38.5% to -17.1%)#**	-2.5% (-12.1% to 8.4%)	**-13.3% (-23.8% to -2.0%)#**	**-24.3% (-38.8% to -6.6%)#**	**-25.9% (-40.7% to -8.2%)#**	**-20.3% (-31.2% to -8.1%)#**	**-10.7% (-20.6% to -0.4%)#**
Illinois	Death #, 1990	1,015 (918 to 1,119)	216 (181 to 250)	673 (590 to 768)	329 (284 to 376)	170 (165 to 175)	206 (203 to 210)	735 (729 to 741)	1,904 (1,822 to 1,989)	2,233 (2,156 to 2,310)	3,343 (3,256 to 3,434)	941 (932 to 950)
	Death #, 2000	787 (719 to 853)	187 (157 to 221)	452 (400 to 507)	220 (192 to 252)	134 (130 to 139)	171 (169 to 174)	621 (615 to 626)	1,426 (1,363 to 1,493)	1,646 (1,582 to 1,716)	2,573 (2,498 to 2,653)	792 (784 to 800)
	Death #, 2017	520 (444 to 609)	116 (96 to 141)	264 (229 to 305)	131 (113 to 151)	87 (81 to 94)	115 (107 to 123)	445 (393 to 501)	900 (772 to 1,053)	1,031 (884 to 1,202)	1,678 (1,512 to 1,886)	560 (500 to 624)
	% change 1990-2017	**-48.7% (-57.5% to -38.6%)#**	**-46.2% (-56.9% to -31.1%)#**	**-60.8% (-67.4% to -52.8%)#**	**-60.2% (-67.5% to -51.2%)#**	**-48.4% (-52.3% to -44.3%)#**	**-44.4% (-48.1% to -40.3%)#**	**-39.4% (-46.4% to -31.6%)#**	**-52.7% (-59.7% to -44.3%)#**	**-53.8% (-60.3% to -46.2%)#**	**-49.8% (-54.9% to -43.6%)#**	**-40.5% (-46.9% to -33.6%)#**
	% change 2000-2017	**-33.9% (-44.8% to -20.9%)#**	**-37.9% (-51.5% to -19.2%)#**	**-41.6% (-51.7% to -29.4%)#**	**-40.4% (-50.6% to -27.4%)#**	**-34.9% (-39.9% to -28.9%)#**	**-33.1% (-37.5% to -27.9%)#**	**-28.3% (-36.8% to -19.1%)#**	**-36.9% (-45.8% to -25.2%)#**	**-37.4% (-46.3% to -26.6%)#**	**-34.8% (-41.5% to -26.3%)#**	**-29.3% (-36.8% to -21.2%)#**
Indiana	Death #, 1990	465 (417 to 512)	92 (77 to 107)	295 (258 to 334)	160 (138 to 183)	92 (89 to 95)	106 (104 to 109)	354 (349 to 358)	851 (804 to 897)	1,011 (965 to 1,058)	1,563 (1,510 to 1,618)	460 (454 to 466)
	Death #, 2000	363 (329 to 395)	99 (83 to 117)	220 (195 to 248)	135 (118 to 155)	77 (74 to 81)	91 (89 to 93)	340 (336 to 343)	682 (642 to 724)	817 (778 to 858)	1,325 (1,279 to 1,374)	431 (425 to 436)
	Death #, 2017	287 (245 to 335)	75 (62 to 91)	177 (154 to 205)	86 (75 to 99)	57 (53 to 62)	78 (73 to 84)	291 (259 to 327)	539 (461 to 630)	625 (536 to 727)	1,051 (941 to 1,175)	369 (332 to 410)
	% change 1990-2017	**-38.3% (-49.5% to -25.1%)#**	-18.5% (-36.0% to 5.6%)	**-39.9% (-50.0% to -27.3%)#**	**-46.0% (-56.2% to -33.9%)#**	**-37.9% (-43.3% to -32.1%)#**	**-26.8% (-32.0% to -20.9%)#**	**-17.8% (-27.3% to -7.5%)#**	**-36.7% (-46.6% to -25.2%)#**	**-38.2% (-47.9% to -27.1%)#**	**-32.8% (-40.0% to -24.5%)#**	**-19.9% (-28.1% to -10.9%)#**
	% change 2000-2017	**-20.9% (-34.3% to -4.5%)#**	**-24.7% (-41.8% to -1.6%)#**	**-19.5% (-34.5% to -3.1%)#**	**-36.1% (-47.5% to -21.1%)#**	**-26.2% (-32.4% to -19.2%)#**	**-14.2% (-20.4% to -7.5%)#**	**-14.5% (-24.1% to -3.5%)#**	**-21.0% (-33.1% to -6.2%)#**	**-23.5% (-35.0% to -10.3%)#**	**-20.7% (-29.3% to -10.5%)#**	**-14.4% (-23.0% to -4.5%)#**
Iowa	Death #, 1990	158 (135 to 184)	36 (26 to 45)	113 (98 to 129)	57 (46 to 72)	44 (42 to 46)	46 (45 to 47)	146 (143 to 148)	306 (285 to 330)	363 (344 to 385)	599 (576 to 624)	192 (189 to 195)
	Death #, 2000	116 (102 to 132)	28 (22 to 35)	76 (65 to 89)	46 (37 to 57)	35 (34 to 37)	38 (37 to 39)	156 (154 to 159)	221 (202 to 241)	266 (251 to 283)	495 (476 to 516)	193 (190 to 197)
	Death #, 2017	73 (60 to 88)	20 (14 to 27)	57 (46 to 72)	37 (24 to 56)	23 (20 to 27)	32 (29 to 35)	97 (86 to 109)	151 (125 to 181)	187 (151 to 233)	340 (293 to 391)	129 (116 to 144)
	% change 1990-2017	**-53.7% (-64.1% to -40.8%)#**	**-43.5% (-62.2% to -16.0%)#**	**-49.1% (-60.9% to -33.9%)#**	-35.7% (-60.4% to 3.1%)	**-46.8% (-54.7% to -37.8%)#**	**-30.8% (-37.8% to -23.5%)#**	**-33.2% (-41.3% to -24.9%)#**	**-50.8% (-60.4% to -40.6%)#**	**-48.4% (-58.9% to -35.4%)#**	**-43.2% (-51.5% to -33.9%)#**	**-32.6% (-39.9% to -25.0%)#**
	% change 2000-2017	**-37.0% (-51.2% to -18.9%)#**	**-28.8% (-50.0% to -0.6%)#**	**-24.9% (-41.3% to -2.5%)#**	-19.4% (-51.3% to 27.9%)	**-34.4% (-44.1% to -22.9%)#**	**-15.0% (-23.3% to -6.0%)#**	**-37.6% (-44.8% to -29.5%)#**	**-31.8% (-44.0% to -16.3%)#**	**-29.6% (-43.8% to -12.5%)#**	**-31.4% (-41.0% to -20.2%)#**	**-33.2% (-40.1% to -25.2%)#**
	Death #, 1990	151 (132 to 173)	33 (25 to 42)	116 (96 to 139)	65 (51 to 84)	43 (42 to 45)	45 (44 to 46)	153 (151 to 156)	301 (284 to 320)	366 (347 to 386)	607 (585 to 631)	198 (195 to 202)
	Death #, 2000	136 (118 to 154)	31 (24 to 40)	83 (71 to 98)	56 (44 to 69)	27 (26 to 28)	48 (46 to 49)	158 (156 to 161)	250 (229 to 273)	305 (290 to 323)	538 (520 to 560)	206 (203 to 210)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Kansas	Death #, 2017	110 (91 to 134)	26 (18 to 35)	59 (48 to 73)	39 (24 to 59)	29 (25 to 33)	33 (30 to 36)	111 (98 to 125)	195 (162 to 235)	234 (189 to 291)	406 (351 to 477)	144 (129 to 161)
	% change 1990-2017	**-26.9% (-42.7% to -8.1%)#**	-22.6% (-48.6% to 18.1%)	**-49.1% (-61.4% to -32.6%)#**	**-40.8% (-64.4% to -5.6%)#**	**-33.8% (-42.8% to -22.8%)#**	**-26.9% (-34.2% to -19.3%)#**	**-27.6% (-36.1% to -18.4%)#**	**-35.0% (-46.9% to -21.4%)#**	**-36.0% (-48.9% to -20.0%)#**	**-33.1% (-42.5% to -21.2%)#**	**-27.5% (-35.3% to -18.7%)#**
	% change 2000-2017	-18.6% (-35.9% to 4.6%)	-16.6% (-41.6% to 18.8%)	**-29.1% (-45.3% to -7.9%)#**	-30.6% (-58.7% to 10.5%)	6.8% (-7.6% to 23.9%)	**-30.7% (-37.6% to -23.4%)#**	**-30.0% (-38.2% to -21.1%)#**	**-21.8% (-36.5% to -3.6%)#**	**-23.4% (-39.3% to -3.7%)#**	**-24.5% (-35.2% to -11.1%)#**	**-30.1% (-37.5% to -22.3%)#**
Kentucky	Death #, 1990	244 (218 to 273)	65 (53 to 77)	226 (195 to 262)	112 (93 to 134)	66 (63 to 69)	70 (68 to 72)	263 (260 to 267)	535 (510 to 563)	648 (611 to 687)	1,047 (1,004 to 1,093)	333 (328 to 338)
	Death #, 2000	204 (180 to 231)	63 (51 to 76)	156 (135 to 179)	82 (71 to 94)	50 (48 to 53)	63 (61 to 65)	228 (225 to 231)	423 (393 to 453)	504 (474 to 537)	846 (808 to 884)	291 (287 to 295)
	Death #, 2017	174 (147 to 205)	45 (37 to 57)	130 (113 to 150)	64 (55 to 74)	41 (38 to 44)	53 (49 to 57)	184 (163 to 207)	349 (300 to 408)	413 (355 to 482)	691 (619 to 775)	237 (213 to 262)
	% change 1990-2017	**-28.8% (-42.0% to -12.2%)#**	**-30.1% (-46.7% to -7.8%)#**	**-42.5% (-53.0% to -29.9%)#**	**-42.9% (-55.0% to -27.8%)#**	**-38.2% (-43.6% to -32.2%)#**	**-24.0% (-30.1% to -18.3%)#**	**-30.0% (-38.0% to -21.6%)#**	**-34.8% (-44.3% to -23.5%)#**	**-36.2% (-45.9% to -24.8%)#**	**-34.0% (-41.6% to -25.7%)#**	**-28.8% (-36.2% to -21.2%)#**
	% change 2000-2017	-14.8% (-30.0% to 4.7%)	**-28.1% (-45.9% to -5.5%)#**	-16.2% (-31.5% to 1.3%)	**-21.7% (-35.1% to -3.3%)#**	**-18.8% (-25.6% to -11.1%)#**	**-16.0% (-22.5% to -9.5%)#**	**-19.3% (-28.3% to -9.7%)#**	**-17.3% (-29.8% to -1.9%)#**	**-18.0% (-30.3% to -3.7%)#**	**-18.3% (-27.1% to -7.4%)#**	**-18.6% (-26.7% to -10.1%)#**
Louisiana	Death #, 1990	386 (349 to 429)	90 (73 to 108)	289 (253 to 328)	163 (140 to 188)	87 (83 to 90)	122 (119 to 124)	391 (386 to 395)	765 (723 to 806)	928 (881 to 972)	1,528 (1,473 to 1,581)	513 (506 to 519)
	Death #, 2000	309 (279 to 346)	87 (70 to 109)	223 (192 to 257)	131 (114 to 150)	78 (74 to 81)	93 (91 to 96)	327 (323 to 331)	619 (585 to 656)	749 (713 to 789)	1,248 (1,204 to 1,296)	421 (415 to 426)
	Death #, 2017	218 (185 to 258)	64 (53 to 79)	197 (165 to 236)	107 (93 to 124)	52 (48 to 56)	67 (63 to 72)	230 (203 to 261)	480 (411 to 558)	587 (505 to 682)	936 (838 to 1,049)	298 (266 to 332)
	% change 1990-2017	**-43.6% (-53.9% to -31.1%)#**	**-28.3% (-45.1% to -6.3%)#**	**-31.8% (-44.5% to -15.0%)#**	**-34.1% (-46.5% to -19.2%)#**	**-40.4% (-45.6% to -34.6%)#**	**-44.8% (-48.9% to -40.5%)#**	**-41.1% (-48.3% to -33.2%)#**	**-37.3% (-47.1% to -26.0%)#**	**-36.7% (-46.3% to -25.6%)#**	**-38.7% (-46.0% to -31.1%)#**	**-42.0% (-48.1% to -35.1%)#**
	% change 2000-2017	**-29.5% (-42.0% to -13.8%)#**	**-26.1% (-44.4% to -1.6%)#**	-11.4% (-29.4% to 12.6%)	-17.7% (-32.1% to 0.7%)	**-33.4% (-39.1% to -27.0%)#**	**-28.1% (-33.0% to -22.5%)#**	**-29.6% (-38.1% to -20.3%)#**	**-22.5% (-34.0% to -8.7%)#**	**-21.6% (-33.1% to -8.0%)#**	**-24.9% (-33.3% to -15.3%)#**	**-29.3% (-36.6% to -21.1%)#**
Maine	Death #, 1990	75 (66 to 85)	13 (9 to 18)	39 (33 to 47)	26 (21 to 32)	19 (18 to 20)	18 (17 to 18)	64 (62 to 65)	128 (119 to 138)	154 (144 to 164)	255 (242 to 267)	81 (80 to 83)
	Death #, 2000	52 (46 to 58)	11 (8 to 14)	22 (19 to 26)	18 (14 to 23)	13 (13 to 14)	17 (17 to 18)	57 (56 to 58)	85 (79 to 92)	103 (96 to 111)	191 (182 to 200)	74 (73 to 76)
	Death #, 2017	47 (38 to 59)	10 (6 to 16)	29 (23 to 37)	11 (8 to 16)	9 (8 to 10)	11 (10 to 12)	46 (41 to 53)	87 (71 to 106)	98 (79 to 122)	165 (142 to 191)	58 (51 to 65)
	% change 1990-2017	**-37.2% (-51.7% to -19.0%)#**	-21.8% (-57.6% to 42.0%)	-26.5% (-45.9% to 1.0%)	**-56.2% (-70.5% to -36.4%)#**	**-54.3% (-60.6% to -46.4%)#**	**-36.2% (-42.4% to -28.9%)#**	**-27.1% (-36.0% to -16.3%)#**	**-32.4% (-45.6% to -15.6%)#**	**-36.4% (-49.4% to -20.6%)#**	**-35.4% (-44.9% to -23.8%)#**	**-29.1% (-37.0% to -19.2%)#**
	% change 2000-2017	-9.3% (-30.4% to 18.0%)	-5.7% (-45.9% to 59.2%)	30.9% (-3.8% to 77.1%)	**-36.4% (-59.7% to -2.5%)#**	**-33.8% (-43.1% to -21.7%)#**	**-35.4% (-41.8% to -28.3%)#**	**-18.6% (-28.4% to -6.2%)#**	1.5% (-18.9% to 27.1%)	-5.0% (-24.7% to 19.8%)	-13.8% (-26.8% to 1.6%)	**-22.5% (-31.1% to -11.9%)#**
Maryland	Death #, 1990	410 (370 to 450)	85 (71 to 100)	247 (216 to 281)	133 (113 to 156)	64 (62 to 67)	74 (72 to 76)	289 (286 to 293)	743 (700 to 787)	876 (831 to 920)	1,303 (1,252 to 1,355)	363 (358 to 368)
	Death #, 2000	330 (303 to 360)	78 (64 to 93)	155 (137 to 175)	83 (71 to 97)	56 (54 to 59)	78 (77 to 80)	266 (262 to 269)	564 (529 to 599)	647 (611 to 683)	1,048 (1,006 to 1,089)	344 (339 to 349)
	Death #, 2017	292 (249 to 341)	59 (48 to 71)	127 (110 to 147)	79 (68 to 90)	47 (43 to 51)	51 (47 to 54)	192 (170 to 217)	477 (410 to 558)	556 (477 to 648)	845 (752 to 954)	243 (217 to 270)
	% change 1990-2017	**-28.9% (-41.1% to -12.7%)#**	**-31.3% (-46.2% to -10.7%)#**	**-48.6% (-57.2% to -38.0%)#**	**-40.9% (-52.5% to -26.4%)#**	**-27.0% (-33.2% to -20.0%)#**	**-31.6% (-36.4% to -26.0%)#**	**-33.6% (-41.3% to -24.9%)#**	**-35.7% (-45.6% to -23.5%)#**	**-36.5% (-46.1% to -25.1%)#**	**-35.1% (-42.6% to -26.3%)#**	**-33.2% (-40.0% to -25.5%)#**
	% change 2000-2017	-11.7% (-25.9% to 5.9%)	**-24.9% (-42.6% to -2.2%)#**	**-18.2% (-32.5% to -0.9%)#**	-5.7% (-23.2% to 15.8%)	**-16.9% (-24.0% to -9.0%)#**	**-35.5% (-40.3% to -30.3%)#**	**-27.7% (-36.2% to -18.3%)#**	-15.3% (-28.6% to 0.1%)	-14.1% (-27.6% to 0.9%)	**-19.3% (-28.6% to -8.4%)#**	**-29.5% (-37.0% to -21.3%)#**
Massachusetts	Death #, 1990	398 (358 to 439)	80 (66 to 94)	191 (167 to 216)	107 (92 to 122)	57 (54 to 59)	63 (62 to 65)	240 (237 to 243)	669 (627 to 713)	776 (730 to 822)	1,136 (1,084 to 1,187)	303 (299 to 307)
	Death #, 2000	268 (245 to 293)	49 (41 to 59)	95 (84 to 106)	68 (57 to 81)	47 (45 to 49)	60 (59 to 62)	173 (171 to 175)	412 (388 to 437)	480 (451 to 513)	760 (727 to 799)	233 (230 to 237)
	Death #, 2017	213 (181 to 249)	39 (32 to 48)	84 (73 to 97)	53 (46 to 61)	31 (29 to 34)	39 (36 to 41)	150 (134 to 171)	336 (288 to 394)	389 (334 to 455)	609 (542 to 686)	189 (170 to 211)
	% change 1990-2017	**-46.5% (-56.2% to -35.0%)#**	**-51.2% (-61.5% to -36.9%)#**	**-55.8% (-63.6% to -46.1%)#**	**-50.5% (-60.1% to -38.3%)#**	**-44.7% (-49.6% to -39.1%)#**	**-38.9% (-43.2% to -34.2%)#**	**-37.5% (-44.5% to -29.0%)#**	**-49.8% (-57.9% to -40.1%)#**	**-49.9% (-57.9% to -40.5%)#**	**-46.4% (-52.8% to -39.0%)#**	**-37.8% (-44.0% to -30.3%)#**
	% change 2000-2017	**-20.7% (-34.3% to -4.7%)#**	-20.2% (-38.7% to 3.6%)	-11.0% (-26.5% to 6.7%)	**-21.6% (-36.9% to -2.0%)#**	**-32.6% (-38.8% to -26.4%)#**	**-36.0% (-40.5% to -31.1%)#**	**-13.2% (-22.8% to -1.4%)#**	**-18.4% (-31.3% to -4.1%)#**	**-18.9% (-31.8% to -4.4%)#**	**-19.8% (-29.2% to -9.4%)#**	**-19.1% (-27.1% to -9.2%)#**
Michigan	Death #, 1990	885 (803 to 975)	167 (139 to 196)	499 (435 to 561)	267 (229 to 307)	153 (149 to 158)	177 (174 to 180)	642 (636 to 648)	1,551 (1,479 to 1,623)	1,818 (1,749 to 1,889)	2,791 (2,712 to 2,873)	820 (811 to 828)
	Death #, 2000	620 (573 to 672)	147 (123 to 175)	325 (290 to 363)	177 (151 to 209)	127 (123 to 131)	143 (140 to 145)	458 (454 to 463)	1,091 (1,047 to 1,136)	1,269 (1,212 to 1,325)	1,997 (1,931 to 2,062)	601 (595 to 608)
	Death #, 2017	386 (330 to 451)	97 (81 to 118)	229 (199 to 265)	111 (96 to 127)	69 (63 to 74)	102 (95 to 109)	353 (312 to 399)	713 (610 to 834)	824 (706 to 959)	1,347 (1,209 to 1,509)	455 (410 to 508)
	% change 1990-2017	**-56.4% (-64.1% to -47.7%)#**	**-41.6% (-54.0% to -24.1%)#**	**-54.0% (-61.9% to -44.6%)#**	**-58.6% (-66.5% to -48.7%)#**	**-55.3% (-59.0% to -51.3%)#**	**-42.5% (-46.4% to -38.0%)#**	**-45.0% (-51.5% to -37.6%)#**	**-54.0% (-61.1% to -45.8%)#**	**-54.7% (-61.7% to -47.0%)#**	**-51.7% (-56.9% to -45.6%)#**	**-44.5% (-50.1% to -37.9%)#**
	% change 2000-2017	**-37.7% (-48.0% to -25.4%)#**	**-33.5% (-49.0% to -13.4%)#**	**-29.4% (-41.6% to -15.9%)#**	**-37.6% (-49.2% to -22.4%)#**	**-46.0% (-50.5% to -41.2%)#**	**-28.5% (-33.5% to -23.0%)#**	**-23.0% (-32.1% to -12.9%)#**	**-34.7% (-44.3% to -23.5%)#**	**-35.1% (-44.7% to -24.4%)#**	**-32.5% (-40.0% to -24.0%)#**	**-24.3% (-31.9% to -15.3%)#**
Minnesota	Death #, 1990	233 (209 to 258)	50 (40 to 60)	165 (145 to 186)	83 (71 to 97)	65 (62 to 68)	60 (59 to 62)	211 (208 to 214)	448 (420 to 476)	531 (502 to 561)	867 (833 to 903)	271 (267 to 275)
	Death #, 2000	188 (169 to 206)	47 (37 to 61)	116 (99 to 137)	64 (52 to 78)	55 (53 to 58)	65 (63 to 66)	198 (195 to 201)	351 (327 to 375)	416 (391 to 440)	734 (703 to 763)	263 (258 to 267)
	Death #, 2017	175 (147 to 208)	41 (34 to 51)	87 (72 to 105)	51 (44 to 58)	40 (37 to 44)	47 (44 to 50)	150 (133 to 171)	304 (259 to 356)	354 (304 to 413)	591 (529 to 665)	197 (177 to 220)
	% change 1990-2017	**-25.0% (-38.8% to -7.8%)#**	-16.3% (-37.0% to 10.5%)	**-47.0% (-58.1% to -32.7%)#**	**-39.2% (-51.0% to -24.2%)#**	**-37.8% (-43.5% to -31.7%)#**	**-22.5% (-28.1% to -15.7%)#**	**-28.9% (-36.9% to -18.9%)#**	**-32.1% (-43.0% to -19.6%)#**	**-33.2% (-43.6% to -21.4%)#**	**-31.8% (-39.7% to -22.9%)#**	**-27.4% (-34.5% to -18.5%)#**
	% change 2000-2017	-6.7% (-22.8% to 13.2%)	-12.2% (-34.9% to 19.4%)	**-25.1% (-42.6% to -2.6%)#**	-21.5% (-38.8% to 0.7%)	**-27.2% (-33.8% to -20.1%)#**	**-28.0% (-33.2% to -21.9%)#**	**-24.2% (-32.8% to -14.1%)#**	-13.5% (-27.3% to 2.5%)	-14.8% (-27.9% to 0.8%)	**-19.4% (-28.7% to -8.8%)#**	**-25.2% (-32.5% to -16.1%)#**
Mississippi	Death #, 1990	271 (243 to 301)	53 (44 to 62)	207 (182 to 235)	104 (89 to 120)	72 (69 to 75)	88 (86 to 90)	250 (246 to 253)	531 (501 to 562)	635 (603 to 668)	1,045 (1,007 to 1,084)	338 (333 to 343)
	Death #, 2000	225 (204 to 246)	61 (51 to 72)	180 (159 to 203)	95 (83 to 109)	50 (48 to 53)	71 (69 to 72)	232 (229 to 236)	466 (435 to 498)	561 (528 to 596)	914 (875 to 954)	303 (298 to 308)
	Death #, 2017	152 (129 to 179)	48 (40 to 58)	131 (114 to 151)	64 (55 to 74)	35 (33 to 38)	48 (45 to 52)	165 (147 to 183)	331 (283 to 386)	395 (339 to 460)	643 (577 to 720)	213 (192 to 234)
	% change 1990-2017	**-44.0% (-54.1% to -31.7%)#**	-9.1% (-28.9% to 18.7%)	**-36.9% (-47.6% to -23.8%)#**	**-38.4% (-50.3% to -24.1%)#**	**-50.5% (-54.7% to -45.9%)#**	**-45.4% (-49.4% to -41.0%)#**	**-34.1% (-41.2% to -26.5%)#**	**-37.8% (-47.6% to -26.4%)#**	**-37.9% (-47.5% to -26.7%)#**	**-38.5% (-45.6% to -30.6%)#**	**-37.1% (-43.2% to -30.5%)#**
	% change 2000-2017	**-32.3% (-43.7% to -18.1%)#**	-21.8% (-39.9% to 2.7%)	**-27.2% (-39.3% to -12.8%)#**	**-32.8% (-44.3% to -17.6%)#**	**-29.4% (-35.5% to -22.5%)#**	**-31.6% (-36.7% to -26.4%)#**	**-29.2% (-37.0% to -20.8%)#**	**-28.9% (-39.8% to -16.1%)#**	**-29.6% (-40.2% to -17.0%)#**	**-29.6% (-37.8% to -20.6%)#**	**-29.8% (-36.8% to -22.6%)#**
	Death #, 1990	373 (336 to 412)	85 (69 to 102)	279 (244 to 315)	150 (129 to 173)	94 (91 to 98)	96 (93 to 98)	369 (365 to 373)	737 (696 to 780)	886 (844 to 930)	1445 (1394 to 1498)	465 (459 to 470)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Missouri	Death #, 2000	303 (271 to 337)	72 (56 to 95)	185 (160 to 212)	101 (87 to 117)	80 (77 to 84)	96 (93 to 98)	367 (363 to 372)	560 (523 to 599)	661 (622 to 701)	1205 (1155 to 1254)	463 (456 to 470)
	Death #, 2017	245 (207 to 290)	48 (39 to 59)	150 (125 to 181)	83 (72 to 95)	56 (52 to 61)	68 (63 to 73)	267 (237 to 301)	443 (379 to 517)	526 (451 to 611)	917 (826 to 1024)	335 (302 to 373)
	% change 1990-2017	**-34.4% (-46.3% to -19.7%)#**	**-43.3% (-56.7% to -25.5%)#**	**-46.1% (-56.6% to -32.0%)#**	**-44.6% (-55.1% to -31.7%)#**	**-40.5% (-45.5% to -34.9%)#**	**-28.9% (-33.9% to -23.4%)#**	**-27.7% (-35.8% to -18.3%)#**	**-39.9% (-49.1% to -29.0%)#**	**-40.7% (-49.6% to -30.2%)#**	**-36.6% (-43.1% to -28.7%)#**	**-28.0% (-35.1% to -19.7%)#**
	% change 2000-2017	**-19.3% (-32.8% to -0.7%)#**	**-33.6% (-51.7% to -7.6%)#**	-18.7% (-35.8% to 1.9%)	-18.1% (-32.7% to 0.1%)	**-30.3% (-36.3% to -23.6%)#**	**-28.9% (-34.0% to -23.3%)#**	**-27.4% (-35.6% to -18.2%)#**	**-21.0% (-32.9% to -6.4%)#**	**-20.5% (-32.1% to -6.0%)#**	**-23.9% (-31.8% to -14.3%)#**	**-27.7% (-35.1% to -19.5%)#**
Montana	Death #, 1990	40 (35 to 46)	9 (6 to 12)	47 (40 to 54)	21 (17 to 26)	16 (15 to 17)	18 (17 to 18)	61 (60 to 62)	96 (89 to 103)	117 (110 to 125)	212 (203 to 223)	79 (77 to 81)
	Death #, 2000	37 (32 to 43)	8 (6 to 11)	31 (26 to 36)	17 (13 to 21)	16 (15 to 16)	19 (18 to 19)	61 (60 to 63)	76 (70 to 82)	92 (86 to 99)	188 (179 to 197)	80 (78 to 82)
	Death #, 2017	32 (25 to 40)	10 (6 to 15)	24 (18 to 31)	15 (11 to 21)	10 (8 to 11)	13 (12 to 15)	50 (45 to 57)	65 (54 to 79)	80 (65 to 99)	154 (133 to 178)	64 (57 to 71)
	% change 1990-2017	-20.5% (-39.2% to 4.4%)	5.7% (-41.0% to 83.8%)	**-49.3% (-62.5% to -30.9%)#**	-30.1% (-52.7% to 2.1%)	**-40.5% (-49.1% to -29.3%)#**	**-25.4% (-32.8% to -17.3%)#**	**-17.6% (-27.8% to -6.5%)#**	**-32.0% (-45.6% to -15.4%)#**	**-31.7% (-45.6% to -13.6%)#**	**-27.7% (-38.0% to -15.1%)#**	**-19.3% (-28.1% to -9.3%)#**
	% change 2000-2017	-13.3% (-34.0% to 14.4%)	19.4% (-32.6% to 101.1%)	-22.8% (-42.6% to 3.2%)	-11.6% (-43.3% to 33.4%)	**-38.2% (-47.5% to -26.7%)#**	**-29.1% (-35.7% to -21.4%)#**	**-17.8% (-27.3% to -7.0%)#**	-13.7% (-30.8% to 6.7%)	-13.3% (-31.3% to 8.9%)	**-18.4% (-30.0% to -5.2%)#**	**-20.4% (-28.9% to -11.2%)#**
Nebraska	Death #, 1990	82 (71 to 93)	24 (18 to 31)	71 (58 to 85)	37 (29 to 46)	37 (35 to 38)	30 (29 to 31)	97 (95 to 98)	176 (162 to 192)	213 (201 to 227)	376 (360 to 394)	127 (124 to 129)
	Death #, 2000	88 (77 to 99)	19 (14 to 25)	50 (42 to 59)	29 (22 to 36)	23 (21 to 24)	27 (26 to 27)	96 (94 to 97)	157 (144 to 169)	185 (173 to 198)	330 (315 to 346)	122 (120 to 124)
	Death #, 2017	68 (55 to 83)	13 (9 to 18)	34 (28 to 43)	23 (14 to 35)	16 (14 to 19)	17 (15 to 19)	71 (63 to 80)	115 (96 to 139)	138 (111 to 173)	242 (208 to 283)	88 (79 to 99)
	% change 1990-2017	-16.8% (-34.4% to 6.2%)	**-44.9% (-64.2% to -16.2%)#**	**-51.6% (-63.9% to -35.1%)#**	**-38.4% (-62.5% to -2.5%)#**	**-55.0% (-61.6% to -47.3%)#**	**-43.8% (-49.2% to -37.8%)#**	**-26.8% (-35.0% to -17.0%)#**	**-34.6% (-46.9% to -19.9%)#**	**-35.2% (-48.6% to -18.9%)#**	**-35.7% (-45.3% to -24.4%)#**	**-30.9% (-38.3% to -22.6%)#**
	% change 2000-2017	**-22.5% (-39.5% to -0.1%)#**	-30.8% (-51.6% to 1.2%)	**-31.5% (-47.4% to -10.6%)#**	-21.2% (-54.0% to 29.1%)	**-27.4% (-38.1% to -14.4%)#**	**-35.8% (-42.1% to -29.2%)#**	**-26.1% (-34.4% to -16.1%)#**	**-26.4% (-40.3% to -8.9%)#**	**-25.6% (-40.8% to -4.6%)#**	**-26.7% (-37.2% to -12.8%)#**	**-28.2% (-35.8% to -19.3%)#**
Nevada	Death #, 1990	64 (56 to 72)	18 (13 to 24)	88 (76 to 103)	36 (29 to 44)	19 (18 to 20)	22 (22 to 23)	78 (77 to 79)	170 (159 to 182)	206 (194 to 219)	326 (312 to 341)	100 (98 to 102)
	Death #, 2000	83 (73 to 94)	29 (21 to 38)	81 (69 to 94)	39 (31 to 50)	26 (24 to 27)	27 (27 to 28)	94 (93 to 96)	193 (180 to 208)	233 (218 to 247)	380 (364 to 396)	122 (120 to 124)
	Death #, 2017	98 (79 to 122)	20 (12 to 32)	61 (48 to 77)	41 (29 to 56)	23 (20 to 27)	32 (30 to 35)	114 (101 to 128)	180 (149 to 216)	220 (180 to 271)	390 (339 to 450)	146 (131 to 162)
	% change 1990-2017	**54.8% (20.4% to 98.9%)#**	12.2% (-39.2% to 101.7%)	**-31.2% (-47.1% to -9.8%)#**	13.3% (-22.6% to 63.3%)	**20.3% (3.9% to 40.1%)#**	**45.6% (32.6% to 60.0%)#**	**45.6% (29.0% to 64.2%)#**	5.6% (-13.5% to 28.8%)	7.0% (-13.6% to 32.9%)	**19.7% (3.0% to 39.6%)#**	**45.6% (30.3% to 61.5%)#**
	% change 2000-2017	18.7% (-7.9% to 52.3%)	-29.1% (-59.6% to 19.7%)	**-25.4% (-44.0% to -1.6%)#**	3.1% (-32.7% to 53.6%)	-9.6% (-22.0% to 5.1%)	**18.7% (8.0% to 30.7%)#**	**20.7% (6.7% to 35.4%)#**	-7.0% (-24.6% to 13.8%)	-5.3% (-23.9% to 18.6%)	2.6% (-11.7% to 20.1%)	**20.2% (7.7% to 33.1%)#**
New Hampshire	Death #, 1990	68 (59 to 77)	14 (10 to 18)	44 (37 to 52)	18 (15 to 23)	14 (13 to 15)	12 (12 to 13)	50 (49 to 51)	126 (116 to 136)	144 (135 to 154)	221 (210 to 232)	63 (61 to 64)
	Death #, 2000	48 (42 to 55)	10 (7 to 13)	21 (17 to 25)	13 (10 to 16)	9 (9 to 10)	15 (15 to 16)	47 (46 to 48)	79 (72 to 86)	92 (85 to 99)	164 (155 to 172)	62 (61 to 64)
	Death #, 2017	34 (26 to 43)	8 (5 to 13)	18 (14 to 23)	9 (6 to 12)	7 (6 to 8)	10 (9 to 11)	33 (29 to 37)	60 (48 to 74)	69 (55 to 86)	118 (101 to 137)	42 (38 to 47)
	% change 1990-2017	**-50.5% (-62.7% to -35.6%)#**	-40.9% (-66.6% to 3.0%)	**-60.0% (-70.9% to -45.3%)#**	**-50.9% (-66.2% to -29.1%)#**	**-52.3% (-59.5% to -43.5%)#**	**-22.5% (-29.9% to -14.8%)#**	**-34.9% (-42.6% to -26.4%)#**	**-52.8% (-62.2% to -40.8%)#**	**-52.5% (-62.4% to -40.8%)#**	**-46.8% (-54.6% to -37.4%)#**	**-32.5% (-39.4% to -24.8%)#**
	% change 2000-2017	**-30.4% (-46.9% to -8.8%)#**	-18.3% (-55.6% to 41.1%)	-15.1% (-37.5% to 13.5%)	-29.9% (-54.0% to 6.0%)	**-27.4% (-38.3% to -14.4%)#**	**-37.8% (-44.0% to -31.6%)#**	**-30.1% (-38.3% to -21.1%)#**	**-24.8% (-40.5% to -5.3%)#**	**-25.5% (-41.5% to -5.8%)#**	**-28.1% (-38.9% to -15.5%)#**	**-32.0% (-38.9% to -24.1%)#**
New Jersey	Death #, 1990	605 (544 to 666)	115 (96 to 134)	372 (323 to 421)	194 (166 to 225)	97 (93 to 100)	101 (99 to 103)	306 (303 to 309)	1,092 (1,030 to 1,156)	1,286 (1,230 to 1,340)	1,790 (1,728 to 1,850)	407 (403 to 412)
	Death #, 2000	392 (355 to 428)	93 (77 to 109)	213 (187 to 239)	105 (86 to 128)	71 (68 to 74)	84 (82 to 86)	250 (247 to 253)	697 (653 to 741)	802 (760 to 844)	1,207 (1,159 to 1,255)	334 (330 to 338)
	Death #, 2017	250 (213 to 293)	59 (49 to 71)	135 (117 to 156)	76 (66 to 88)	49 (45 to 52)	62 (57 to 66)	205 (180 to 229)	444 (380 to 520)	520 (445 to 607)	835 (746 to 936)	266 (239 to 294)
	% change 1990-2017	**-58.6% (-66.1% to -49.8%)#**	**-48.7% (-59.8% to -33.4%)#**	**-63.7% (-70.1% to -55.9%)#**	**-60.7% (-68.1% to -51.8%)#**	**-49.8% (-54.0% to -45.3%)#**	**-38.9% (-43.2% to -34.2%)#**	**-33.2% (-41.2% to -25.2%)#**	**-59.3% (-65.7% to -52.0%)#**	**-59.5% (-65.8% to -52.6%)#**	**-53.3% (-58.7% to -47.8%)#**	**-34.6% (-41.5% to -27.8%)#**
	% change 2000-2017	**-36.1% (-47.2% to -23.0%)#**	**-36.3% (-50.2% to -17.9%)#**	**-36.6% (-47.7% to -22.9%)#**	**-27.3% (-43.1% to -6.8%)#**	**-31.4% (-36.9% to -24.9%)#**	**-26.7% (-31.8% to -21.1%)#**	**-18.1% (-27.9% to -8.1%)#**	**-36.3% (-45.9% to -24.2%)#**	**-35.1% (-44.6% to -23.2%)#**	**-30.8% (-38.5% to -21.9%)#**	**-20.3% (-28.5% to -11.7%)#**
New Mexico	Death #, 1990	100 (86 to 115)	27 (20 to 35)	93 (78 to 113)	53 (40 to 69)	37 (36 to 39)	39 (38 to 40)	148 (146 to 151)	221 (208 to 234)	273 (257 to 292)	498 (478 to 520)	187 (184 to 190)
	Death #, 2000	76 (67 to 86)	27 (21 to 33)	69 (58 to 82)	38 (29 to 48)	22 (21 to 23)	35 (34 to 36)	137 (135 to 140)	172 (159 to 186)	210 (196 to 226)	404 (387 to 422)	172 (169 to 175)
	Death #, 2017	64 (52 to 77)	21 (15 to 29)	43 (35 to 54)	32 (21 to 49)	20 (17 to 23)	29 (26 to 32)	100 (88 to 112)	128 (106 to 154)	160 (130 to 200)	308 (266 to 359)	128 (115 to 143)
	% change 1990-2017	**-36.1% (-50.0% to -18.7%)#**	-22.4% (-47.5% to 17.2%)	**-54.0% (-65.0% to -38.5%)#**	**-38.5% (-63.0% to -0.9%)#**	**-47.4% (-54.9% to -38.5%)#**	**-26.6% (-34.1% to -18.1%)#**	**-32.8% (-40.5% to -24.4%)#**	**-42.0% (-52.5% to -29.9%)#**	**-41.3% (-53.1% to -26.3%)#**	**-38.1% (-46.8% to -27.8%)#**	**-31.5% (-38.8% to -23.5%)#**
	% change 2000-2017	-16.8% (-33.3% to 5.3%)	-20.3% (-44.9% to 14.2%)	**-37.7% (-53.0% to -18.9%)#**	-13.5% (-48.9% to 39.3%)	-10.8% (-24.4% to 4.2%)	**-17.7% (-26.1% to -8.6%)#**	**-27.3% (-35.9% to -18.5%)#**	**-25.7% (-39.2% to -8.9%)#**	**-23.5% (-39.7% to -3.7%)#**	**-23.6% (-34.6% to -11.0%)#**	**-25.4% (-33.5% to -17.0%)#**
New York	Death #, 1990	1,565 (1,421 to 1,726)	304 (253 to 355)	1,020 (895 to 1,148)	484 (416 to 564)	253 (247 to 259)	266 (263 to 270)	944 (938 to 951)	2,889 (2,765 to 3,015)	3,372 (3,266 to 3,482)	4,836 (4,718 to 4,961)	1,211 (1,201 to 1,221)
	Death #, 2000	950 (870 to 1,026)	231 (194 to 273)	531 (467 to 600)	289 (239 to 352)	177 (171 to 182)	205 (201 to 208)	631 (626 to 636)	1,712 (1,623 to 1,801)	2,001 (1,927 to 2,078)	3,014 (2,930 to 3,101)	836 (828 to 844)
	Death #, 2017	593 (507 to 692)	156 (130 to 188)	359 (312 to 413)	197 (172 to 227)	108 (100 to 117)	130 (121 to 140)	418 (370 to 470)	1,107 (952 to 1,292)	1,305 (1,123 to 1,515)	1,961 (1,747 to 2,205)	548 (495 to 610)
	% change 1990-2017	**-62.1% (-68.7% to -53.9%)#**	**-48.7% (-59.2% to -33.9%)#**	**-64.8% (-70.8% to -57.7%)#**	**-59.2% (-66.9% to -50.0%)#**	**-57.2% (-60.5% to -53.5%)#**	**-51.1% (-54.5% to -47.3%)#**	**-55.7% (-60.8% to -50.2%)#**	**-61.7% (-67.4% to -54.9%)#**	**-61.3% (-66.8% to -54.6%)#**	**-59.4% (-63.8% to -54.2%)#**	**-54.7% (-59.2% to -49.5%)#**
	% change 2000-2017	**-37.6% (-48.0% to -25.4%)#**	**-32.5% (-47.1% to -12.8%)#**	**-32.5% (-44.7% to -18.9%)#**	**-31.8% (-46.6% to -13.1%)#**	**-38.7% (-43.6% to -33.4%)#**	**-36.4% (-40.9% to -31.6%)#**	**-33.8% (-41.5% to -25.2%)#**	**-35.3% (-45.0% to -24.3%)#**	**-34.8% (-44.1% to -23.9%)#**	**-34.9% (-42.3% to -26.5%)#**	**-34.4% (-41.0% to -26.8%)#**
N Carolina	Death #, 1990	680 (616 to 751)	122 (101 to 143)	388 (340 to 439)	206 (177 to 237)	109 (105 to 113)	128 (125 to 130)	440 (435 to 444)	1,190 (1,125 to 1,254)	1,396 (1,332 to 1,460)	2,073 (2,000 to 2,144)	568 (561 to 574)
	Death #, 2000	612 (563 to 664)	139 (114 to 166)	319 (284 to 358)	154 (135 to 177)	99 (96 to 103)	127 (124 to 129)	402 (398 to 406)	1,070 (1,014 to 1,125)	1,224 (1,169 to 1,281)	1,852 (1,789 to 1,915)	528 (523 to 534)
	Death #, 2017	455 (389 to 532)	109 (91 to 132)	261 (227 to 301)	139 (120 to 160)	82 (76 to 89)	104 (97 to 111)	370 (330 to 416)	826 (708 to 964)	965 (828 to 1,123)	1,521 (1,363 to 1,702)	474 (428 to 525)
	% change 1990-2017	**-33.1% (-44.6% to -18.9%)#**	-10.7% (-29.5% to 16.0%)	**-32.7% (-44.0% to -19.1%)#**	**-32.5% (-45.3% to -16.5%)#**	**-24.7% (-30.5% to -17.8%)#**	**-18.8% (-24.4% to -12.6%)#**	**-15.8% (-25.2% to -5.4%)#**	**-30.6% (-40.8% to -17.6%)#**	**-30.9% (-40.7% to -18.4%)#**	**-26.6% (-34.4% to -16.9%)#**	**-16.4% (-24.5% to -7.5%)#**
	% change 2000-2017	**-25.6% (-37.4% to -11.0%)#**	-21.3% (-40.1% to 2.7%)	**-18.2% (-32.2% to -1.6%)#**	-10.0% (-25.8% to 9.9%)	**-17.0% (-23.6% to -9.5%)#**	**-17.9% (-23.3% to -11.8%)#**	-7.8% (-17.9% to 3.6%)	**-22.8% (-34.5% to -9.1%)#**	**-21.2% (-33.4% to -7.5%)#**	**-17.9% (-26.6% to -7.6%)#**	**-10.2% (-18.9% to -0.6%)#**

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
N Dakota	Death #, 1990	36 (31 to 40)	10 (7 to 13)	27 (23 to 31)	14 (12 to 18)	13 (13 to 14)	12 (12 to 13)	33 (32 to 34)	72 (66 to 78)	86 (80 to 93)	145 (137 to 153)	45 (44 to 46)
	Death #, 2000	30 (26 to 35)	7 (5 to 9)	20 (17 to 24)	9 (7 to 11)	5 (5 to 6)	11 (11 to 12)	34 (33 to 35)	57 (51 to 63)	65 (60 to 71)	116 (110 to 122)	45 (44 to 46)
	Death #, 2017	29 (23 to 37)	5 (3 to 8)	22 (17 to 28)	9 (6 to 13)	5 (4 to 6)	6 (5 to 6)	29 (27 to 32)	56 (46 to 69)	65 (53 to 81)	105 (90 to 123)	35 (32 to 38)
	% change 1990-2017	-17.5% (-36.9% to 7.0%)	**-44.1% (-69.7% to -0.7%)#**	-18.7% (-39.5% to 9.9%)	**-37.5% (-58.0% to -7.8%)#**	**-64.5% (-69.8% to -58.1%)#**	**-52.5% (-56.9% to -47.9%)#**	**-11.5% (-19.7% to -2.8%)#**	**-21.5% (-36.8% to -1.2%)#**	**-24.2% (-39.6% to -4.3%)#**	**-27.4% (-38.6% to -13.5%)#**	**-22.6% (-29.6% to -15.3%)#**
	% change 2000-2017	-2.0% (-26.4% to 31.1%)	-20.3% (-56.5% to 40.5%)	8.1% (-17.7% to 41.8%)	5.2% (-32.5% to 57.6%)	-8.1% (-22.6% to 8.3%)	**-48.6% (-53.3% to -43.4%)#**	**-13.4% (-21.3% to -4.8%)#**	-0.6% (-21.6% to 25.1%)	0.1% (-20.8% to 26.4%)	-8.9% (-23.0% to 7.7%)	**-22.2% (-29.1% to -14.8%)#**
Ohio	Death #, 1990	870 (786 to 960)	178 (147 to 208)	560 (491 to 629)	282 (244 to 323)	177 (172 to 182)	194 (191 to 197)	585 (580 to 591)	1,609 (1,540 to 1,685)	1,891 (1,824 to 1,959)	2,847 (2,768 to 2,925)	779 (771 to 787)
	Death #, 2000	665 (609 to 721)	162 (136 to 193)	369 (329 to 411)	193 (168 to 221)	129 (125 to 133)	164 (162 to 167)	484 (479 to 488)	1,196 (1,141 to 1,249)	1,389 (1,335 to 1,440)	2,165 (2,099 to 2,226)	648 (641 to 655)
	Death #, 2017	526 (449 to 616)	111 (92 to 135)	284 (247 to 328)	138 (120 to 159)	84 (77 to 90)	119 (110 to 127)	413 (365 to 464)	922 (792 to 1,078)	1,061 (910 to 1,235)	1,676 (1,500 to 1,873)	532 (478 to 590)
	% change 1990-2017	**-39.5% (-50.4% to -27.1%)#**	**-37.5% (-50.7% to -19.0%)#**	**-49.2% (-58.2% to -38.9%)#**	**-51.0% (-60.2% to -39.6%)#**	**-52.8% (-56.7% to -48.7%)#**	**-38.7% (-43.0% to -34.3%)#**	**-29.4% (-37.4% to -20.6%)#**	**-42.7% (-51.7% to -32.5%)#**	**-43.9% (-52.2% to -34.2%)#**	**-41.1% (-47.7% to -33.8%)#**	**-31.7% (-38.6% to -24.3%)#**
	% change 2000-2017	**-20.8% (-33.7% to -5.0%)#**	**-31.3% (-47.0% to -10.8%)#**	**-22.9% (-36.2% to -8.3%)#**	**-28.1% (-40.1% to -12.2%)#**	**-35.1% (-40.2% to -29.1%)#**	**-27.8% (-32.9% to -22.5%)#**	**-14.5% (-24.5% to -3.8%)#**	**-22.9% (-34.6% to -9.2%)#**	**-23.6% (-34.7% to -10.3%)#**	**-22.6% (-30.9% to -12.9%)#**	**-17.9% (-26.3% to -9.1%)#**
Oklahoma	Death #, 1990	191 (165 to 221)	56 (43 to 70)	193 (166 to 222)	106 (92 to 123)	62 (60 to 66)	66 (65 to 68)	239 (235 to 242)	439 (410 to 470)	545 (515 to 580)	913 (876 to 954)	305 (300 to 310)
	Death #, 2000	181 (158 to 205)	62 (49 to 77)	161 (134 to 191)	80 (69 to 92)	48 (46 to 51)	65 (63 to 67)	217 (214 to 220)	404 (378 to 434)	484 (454 to 516)	813 (778 to 851)	281 (277 to 286)
	Death #, 2017	182 (154 to 213)	46 (38 to 56)	135 (118 to 156)	79 (68 to 91)	49 (45 to 53)	55 (51 to 59)	194 (172 to 218)	363 (311 to 424)	442 (380 to 514)	741 (666 to 826)	250 (224 to 276)
	% change 1990-2017	-4.8% (-23.2% to 18.9%)	-16.3% (-38.8% to 16.7%)	**-29.9% (-42.6% to -14.2%)#**	**-25.8% (-40.3% to -8.1%)#**	**-21.3% (-28.3% to -13.8%)#**	**-16.6% (-22.8% to -10.1%)#**	**-18.7% (-28.4% to -8.3%)#**	**-17.2% (-29.8% to -2.2%)#**	**-18.9% (-31.0% to -4.8%)#**	**-18.9% (-27.8% to -8.8%)#**	**-18.2% (-26.9% to -9.2%)#**
	% change 2000-2017	0.2% (-17.7% to 22.5%)	-24.6% (-43.4% to 2.9%)	-16.2% (-32.5% to 4.5%)	-1.2% (-18.7% to 21.0%)	2.1% (-6.6% to 12.3%)	**-14.6% (-20.8% to -8.0%)#**	-10.3% (-20.5% to 0.8%)	-10.1% (-23.5% to 6.2%)	-8.7% (-21.8% to 7.6%)	-8.9% (-18.5% to 2.2%)	**-11.3% (-20.3% to -1.7%)#**
Oregon	Death #, 1990	152 (133 to 173)	35 (26 to 44)	153 (129 to 181)	71 (55 to 91)	41 (40 to 43)	49 (48 to 51)	171 (168 to 173)	340 (320 to 363)	411 (390 to 435)	672 (648 to 700)	220 (217 to 224)
	Death #, 2000	139 (122 to 157)	38 (30 to 47)	89 (75 to 105)	54 (43 to 68)	37 (36 to 39)	43 (42 to 44)	147 (145 to 149)	266 (245 to 287)	320 (302 to 339)	547 (525 to 570)	190 (187 to 193)
	Death #, 2017	126 (103 to 155)	28 (20 to 39)	76 (61 to 94)	36 (23 to 55)	22 (19 to 25)	34 (31 to 38)	113 (100 to 128)	231 (191 to 278)	266 (215 to 332)	436 (374 to 511)	148 (133 to 164)
	% change 1990-2017	-16.8% (-35.1% to 5.5%)	-18.3% (-45.0% to 20.6%)	**-50.6% (-62.0% to -34.2%)#**	**-49.2% (-69.5% to -18.1%)#**	**-48.0% (-55.2% to -39.2%)#**	**-30.5% (-36.9% to -23.2%)#**	**-32.2% (-41.2% to -25.1%)#**	**-35.1% (-45.0% to -18.9%)#**	**-35.2% (-48.0% to -18.9%)#**	**-35.2% (-44.8% to -23.9%)#**	**-33.0% (-39.9% to -25.1%)#**
	% change 2000-2017	-9.1% (-27.9% to 16.0%)	-25.3% (-47.1% to 4.5%)	-14.8% (-36.5% to 12.2%)	-33.6% (-60.7% to 8.5%)	**-42.2% (-50.3% to -32.3%)#**	**-20.0% (-27.4% to -11.4%)#**	**-22.9% (-31.7% to -12.6%)#**	-13.3% (-28.9% to 7.0%)	-16.8% (-33.0% to 3.7%)	**-20.4% (-31.8% to -6.7%)#**	**-22.2% (-30.3% to -12.9%)#**
Pennsylvania	Death #, 1990	965 (874 to 1,064)	189 (155 to 220)	523 (458 to 587)	293 (253 to 336)	165 (160 to 170)	173 (170 to 175)	557 (552 to 562)	1,677 (1,600 to 1,758)	1,970 (1,895 to 2,041)	2,865 (2,782 to 2,945)	729 (723 to 737)
	Death #, 2000	652 (597 to 703)	135 (113 to 160)	310 (273 to 349)	182 (160 to 209)	136 (132 to 140)	148 (146 to 151)	532 (527 to 536)	1,096 (1,043 to 1,155)	1,278 (1,228 to 1,335)	2,094 (2,035 to 2,160)	680 (673 to 686)
	Death #, 2017	515 (440 to 602)	103 (85 to 125)	242 (211 to 280)	131 (114 to 151)	81 (75 to 88)	100 (94 to 108)	418 (369 to 470)	861 (740 to 1,007)	992 (851 to 1,156)	1,592 (1,435 to 1,786)	519 (464 to 576)
	% change 1990-2017	**-46.6% (-56.1% to -35.8%)#**	**-45.3% (-56.8% to -29.4%)#**	**-53.6% (-61.8% to -44.1%)#**	**-55.2% (-63.7% to -44.8%)#**	**-50.8% (-54.8% to -46.5%)#**	**-41.8% (-45.8% to -37.4%)#**	**-24.9% (-33.6% to -15.5%)#**	**-48.6% (-56.8% to -39.4%)#**	**-49.6% (-57.0% to -40.9%)#**	**-44.4% (-50.4% to -37.0%)#**	**-28.9% (-36.5% to -21.0%)#**
	% change 2000-2017	**-20.9% (-33.7% to -5.8%)#**	**-23.8% (-41.5% to -0.4%)#**	**-21.7% (-35.5% to -6.1%)#**	**-27.9% (-40.4% to -12.1%)#**	**-40.1% (-45.0% to -34.8%)#**	**-32.3% (-37.1% to -27.6%)#**	**-21.3% (-30.6% to -11.6%)#**	**-21.5% (-33.5% to -7.8%)#**	**-22.4% (-34.2% to -9.3%)#**	**-24.0% (-32.0% to -14.9%)#**	**-23.7% (-31.7% to -15.3%)#**
Rhode Island	Death #, 1990	84 (74 to 95)	15 (10 to 20)	38 (33 to 44)	18 (15 to 23)	11 (10 to 11)	13 (13 to 14)	35 (34 to 36)	137 (127 to 148)	155 (145 to 167)	214 (203 to 227)	48 (47 to 49)
	Death #, 2000	63 (55 to 71)	8 (6 to 10)	23 (20 to 27)	11 (9 to 15)	12 (11 to 13)	11 (10 to 11)	36 (35 to 37)	94 (86 to 102)	105 (97 to 114)	164 (155 to 174)	47 (46 to 48)
	Death #, 2017	45 (35 to 56)	7 (4 to 10)	17 (13 to 22)	9 (6 to 12)	4 (4 to 5)	7 (6 to 7)	24 (21 to 27)	68 (56 to 84)	77 (62 to 95)	112 (94 to 133)	31 (27 to 34)
	% change 1990-2017	**-47.1% (-58.9% to -32.8%)#**	**-54.9% (-75.6% to -18.4%)#**	**-55.5% (-66.3% to -40.5%)#**	**-53.5% (-68.9% to -31.5%)#**	**-58.2% (-64.2% to -51.3%)#**	**-50.4% (-55.1% to -45.0%)#**	**-31.3% (-39.1% to -21.8%)#**	**-50.2% (-60.1% to -38.7%)#**	**-50.6% (-60.8% to -38.6%)#**	**-47.8% (-56.2% to -38.0%)#**	**-36.6% (-43.2% to -28.9%)#**
	% change 2000-2017	**-28.7% (-45.4% to -7.9%)#**	-16.9% (-54.8% to 47.5%)	**-27.2% (-45.3% to -4.0%)#**	-24.2% (-53.0% to 14.8%)	**-63.8% (-69.1% to -57.6%)#**	**-37.3% (-43.2% to -30.3%)#**	**-33.8% (-41.3% to -24.5%)#**	**-27.4% (-42.7% to -8.8%)#**	**-27.0% (-42.6% to -7.8%)#**	**-31.9% (-42.8% to -18.3%)#**	**-34.6% (-41.6% to -26.7%)#**
S Carolina	Death #, 1990	386 (345 to 433)	78 (64 to 91)	248 (216 to 280)	129 (111 to 149)	69 (66 to 72)	81 (80 to 83)	264 (261 to 268)	712 (671 to 756)	840 (799 to 885)	1,255 (1,206 to 1,306)	346 (341 to 351)
	Death #, 2000	301 (275 to 327)	67 (56 to 79)	159 (139 to 179)	81 (70 to 94)	61 (58 to 64)	66 (64 to 67)	251 (248 to 254)	526 (495 to 557)	607 (574 to 642)	985 (945 to 1,025)	317 (312 to 321)
	Death #, 2017	221 (189 to 258)	51 (42 to 62)	128 (111 to 147)	75 (65 to 87)	46 (42 to 49)	50 (47 to 54)	220 (194 to 247)	400 (342 to 468)	475 (408 to 553)	790 (707 to 882)	270 (243 to 300)
	% change 1990-2017	**-42.7% (-53.1% to -30.3%)#**	**-34.9% (-48.8% to -15.6%)#**	**-48.4% (-57.1% to -37.6%)#**	**-41.6% (-52.7% to -27.8%)#**	**-33.3% (-38.9% to -27.1%)#**	**-38.5% (-42.9% to -33.7%)#**	**-16.9% (-26.7% to -6.6%)#**	**-43.8% (-52.7% to -33.5%)#**	**-43.5% (-52.2% to -33.3%)#**	**-37.0% (-44.1% to -29.6%)#**	**-22.0% (-30.2% to -13.2%)#**
	% change 2000-2017	**-26.4% (-38.7% to -12.1%)#**	**-24.4% (-41.1% to -0.1%)#**	**-19.4% (-33.4% to -1.7%)#**	-7.3% (-24.6% to 14.4%)	**-25.1% (-31.5% to -17.9%)#**	**-23.7% (-29.3% to -17.6%)#**	**-12.5% (-22.4% to -1.6%)#**	**-24.1% (-35.5% to -10.1%)#**	**-21.8% (-33.3% to -7.6%)#**	**-19.8% (-28.8% to -9.4%)#**	**-14.8% (-23.6% to -5.3%)#**
S Dakota	Death #, 1990	42 (36 to 47)	9 (6 to 11)	43 (37 to 50)	20 (17 to 25)	18 (17 to 19)	16 (16 to 16)	52 (51 to 53)	93 (86 to 100)	114 (106 to 122)	199 (190 to 209)	68 (66 to 69)
	Death #, 2000	32 (28 to 36)	6 (5 to 8)	33 (28 to 38)	15 (12 to 19)	13 (12 to 13)	21 (20 to 21)	51 (50 to 53)	71 (66 to 76)	86 (79 to 92)	170 (162 to 179)	72 (70 to 74)
	Death #, 2017	33 (26 to 42)	7 (4 to 10)	25 (19 to 32)	12 (9 to 17)	12 (10 to 13)	14 (13 to 15)	43 (39 to 47)	65 (53 to 79)	77 (62 to 96)	145 (127 to 168)	57 (52 to 61)
	% change 1990-2017	-20.0% (-38.6% to 2.7%)	-22.8% (-57.8% to 38.1%)	**-42.4% (-57.0% to -22.7%)#**	**-39.9% (-58.6% to -13.1%)#**	**-33.9% (-43.1% to -22.3%)#**	**-14.2% (-21.6% to -5.8%)#**	**-17.1% (-24.1% to -10.0%)#**	**-30.6% (-44.3% to -13.7%)#**	**-32.2% (-46.1% to -15.0%)#**	**-27.0% (-36.9% to -15.0%)#**	**-16.4% (-23.2% to -9.2%)#**
	% change 2000-2017	4.6% (-19.9% to 37.0%)	5.4% (-39.0% to 72.5%)	-23.9% (-43.5% to 1.4%)	-17.8% (-47.3% to 22.7%)	-6.9% (-20.2% to 9.7%)	**-33.8% (-39.8% to -27.2%)#**	**-16.6% (-23.9% to -9.2%)#**	-8.5% (-25.8% to 13.1%)	-10.1% (-28.6% to 12.5%)	**-14.7% (-26.6% to -0.7%)#**	**-21.6% (-27.9% to -14.9%)#**
Tennessee	Death #, 1990	424 (382 to 466)	105 (88 to 123)	326 (285 to 371)	154 (132 to 179)	84 (81 to 87)	100 (98 to 102)	356 (351 to 360)	855 (806 to 902)	1,009 (958 to 1,060)	1,549 (1,489 to 1,607)	456 (450 to 461)
	Death #, 2000	373 (340 to 409)	100 (82 to 119)	274 (243 to 307)	127 (110 to 146)	74 (71 to 77)	109 (107 to 112)	353 (349 to 357)	748 (704 to 792)	875 (828 to 921)	1,411 (1,356 to 1,466)	462 (456 to 468)
	Death #, 2017	246 (210 to 289)	75 (62 to 91)	214 (187 to 247)	87 (75 to 101)	57 (53 to 62)	77 (71 to 83)	273 (242 to 308)	536 (459 to 625)	623 (536 to 725)	1,030 (924 to 1,155)	350 (315 to 389)
	% change 1990-2017	**-41.8% (-52.2% to -28.9%)#**	**-28.8% (-44.4% to -7.2%)#**	**-34.3% (-45.3% to -20.8%)#**	**-43.4% (-54.3% to -30.2%)#**	**-32.1% (-37.9% to -25.7%)#**	**-23.2% (-28.9% to -17.2%)#**	**-23.3% (-32.1% to -13.4%)#**	**-37.4% (-46.9% to -26.0%)#**	**-38.3% (-47.6% to -27.2%)#**	**-33.5% (-40.8% to -25.2%)#**	**-23.3% (-31.0% to -14.5%)#**

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 2000-2017	**-34.0% (-44.9% to -21.0%)#**	**-25.4% (-43.0% to -2.6%)#**	**-21.9% (-35.3% to -7.3%)#**	**-31.2% (-43.1% to -15.9%)#**	**-23.1% (-29.3% to -16.3%)#**	**-29.8% (-34.9% to -24.5%)#**	**-22.6% (-31.2% to -12.3%)#**	**-28.4% (-39.3% to -16.0%)#**	**-28.8% (-39.5% to -16.6%)#**	**-27.0% (-34.5% to -18.0%)#**	**-24.3% (-31.9% to -15.4%)#**
Texas	Death #, 1990	1,182 (1,069 to 1,299)	300 (252 to 351)	1,012 (886 to 1,147)	563 (480 to 664)	318 (310 to 326)	365 (360 to 370)	1,266 (1,257 to 1,273)	2,495 (2,377 to 2,615)	3,059 (2,965 to 3,160)	5,007 (4,897 to 5,126)	1,631 (1,618 to 1,642)
	Death #, 2000	920 (838 to 999)	288 (240 to 341)	798 (707 to 892)	453 (389 to 530)	291 (283 to 298)	338 (333 to 343)	1,202 (1,194 to 1,210)	2,006 (1,907 to 2,104)	2,459 (2,373 to 2,543)	4,290 (4,188 to 4,392)	1,540 (1,529 to 1,552)
	Death #, 2017	1,018 (871 to 1,189)	293 (243 to 354)	717 (628 to 825)	402 (350 to 463)	252 (234 to 273)	304 (285 to 324)	1,042 (932 to 1,163)	2,029 (1,743 to 2,361)	2,431 (2,097 to 2,829)	4,029 (3,627 to 4,488)	1,346 (1,220 to 1,481)
	% change 1990-2017	-13.9% (-29.0% to 4.1%)	-2.5% (-22.9% to 26.8%)	**-29.2% (-40.9% to -14.4%)#**	**-28.6% (-42.6% to -11.3%)#**	**-20.7% (-26.7% to -13.9%)#**	**-16.8% (-22.0% to -10.9%)#**	**-17.6% (-26.3% to -8.2%)#**	**-18.7% (-30.5% to -4.6%)#**	**-20.5% (-31.7% to -7.0%)#**	**-19.5% (-27.8% to -9.9%)#**	**-17.4% (-25.1% to -9.2%)#**
	% change 2000-2017	10.7% (-7.4% to 31.4%)	1.7% (-21.4% to 31.0%)	-10.2% (-25.8% to 8.0%)	-11.1% (-28.2% to 11.0%)	**-13.2% (-19.8% to -5.8%)#**	**-10.2% (-15.7% to -4.2%)#**	**-13.3% (-22.5% to -3.3%)#**	1.1% (-13.9% to 18.5%)	-1.1% (-15.4% to 15.5%)	-6.1% (-15.6% to 4.8%)	**-12.6% (-20.9% to -3.7%)#**
Utah	Death #, 1990	81 (68 to 96)	24 (18 to 30)	87 (75 to 101)	46 (36 to 58)	37 (35 to 39)	43 (41 to 44)	113 (111 to 115)	193 (178 to 207)	238 (225 to 252)	431 (414 to 449)	156 (153 to 159)
	Death #, 2000	98 (85 to 112)	26 (21 to 31)	66 (56 to 76)	43 (34 to 55)	26 (24 to 27)	38 (37 to 39)	127 (125 to 130)	190 (176 to 204)	233 (220 to 247)	425 (408 to 442)	166 (163 to 169)
	Death #, 2017	105 (87 to 127)	25 (18 to 34)	58 (47 to 70)	37 (28 to 48)	26 (24 to 28)	41 (38 to 43)	135 (121 to 151)	187 (159 to 221)	224 (193 to 260)	426 (384 to 472)	176 (159 to 194)
	% change 1990-2017	28.3% (-0.8% to 65.3%)	3.1% (-30.6% to 50.1%)	**-33.4% (-47.9% to -14.5%)#**	-18.5% (-43.1% to 14.8%)	**-30.2% (-36.3% to -23.6%)#**	-4.3% (-11.0% to 2.6%)	**19.7% (6.6% to 34.2%)#**	-2.8% (-19.8% to 17.3%)	-5.8% (-20.2% to 10.8%)	-1.0% (-11.5% to 10.4%)	**13.1% (2.1% to 25.0%)#**
	% change 2000-2017	6.5% (-14.5% to 36.4%)	-4.7% (-31.7% to 28.5%)	-11.9% (-32.0% to 12.1%)	-14.4% (-42.1% to 23.8%)	0.5% (-7.8% to 9.8%)	6.3% (-0.8% to 13.9%)	6.2% (-5.0% to 19.2%)	-1.4% (-18.2% to 17.4%)	-3.8% (-17.9% to 12.8%)	0.4% (-9.7% to 11.4%)	6.2% (-3.7% to 17.4%)
Vermont	Death #, 1990	33 (29 to 38)	7 (5 to 9)	20 (17 to 23)	11 (9 to 14)	9 (8 to 9)	10 (10 to 11)	30 (29 to 30)	60 (55 to 66)	72 (66 to 78)	120 (113 to 127)	40 (39 to 41)
	Death #, 2000	25 (22 to 29)	6 (4 to 7)	13 (11 to 15)	7 (5 to 9)	7 (6 to 7)	7 (7 to 7)	28 (27 to 29)	44 (40 to 48)	50 (46 to 55)	92 (86 to 98)	35 (34 to 36)
	Death #, 2017	16 (12 to 20)	5 (3 to 8)	8 (6 to 11)	5 (3 to 6)	3 (3 to 4)	4 (3 to 4)	17 (16 to 19)	29 (23 to 36)	34 (27 to 42)	58 (50 to 68)	21 (19 to 23)
	% change 1990-2017	**-52.8% (-64.1% to -38.3%)#**	-24.8% (-57.3% to 31.9%)	**-59.2% (-70.6% to -44.1%)#**	**-59.6% (-73.4% to -40.6%)#**	**-59.7% (-66.1% to -52.8%)#**	**-64.2% (-67.6% to -60.6%)#**	**-41.3% (-46.0% to -36.2%)#**	**-51.6% (-62.2% to -39.5%)#**	**-52.9% (-63.6% to -40.4%)#**	**-51.5% (-59.2% to -42.6%)#**	**-47.2% (-51.4% to -42.9%)#**
	% change 2000-2017	**-37.4% (-52.8% to -17.1%)#**	-6.3% (-48.6% to 64.8%)	**-36.5% (-53.0% to -14.4%)#**	-31.4% (-57.5% to 6.4%)	**-48.5% (-56.5% to -38.5%)#**	**-48.5% (-53.4% to -43.3%)#**	**-38.2% (-43.3% to -32.8%)#**	**-33.1% (-47.9% to -14.2%)#**	**-32.9% (-48.3% to -14.0%)#**	**-36.9% (-46.6% to -25.1%)#**	**-40.3% (-45.1% to -35.2%)#**
Virginia	Death #, 1990	584 (529 to 644)	114 (94 to 133)	316 (278 to 358)	161 (138 to 185)	96 (93 to 99)	99 (97 to 101)	363 (359 to 367)	1014 (958 to 1072)	1175 (1122 to 1232)	1733 (1673 to 1798)	462 (457 to 468)
	Death #, 2000	388 (352 to 424)	99 (80 to 119)	221 (198 to 246)	111 (97 to 129)	64 (61 to 67)	89 (87 to 91)	315 (311 to 318)	708 (661 to 754)	819 (772 to 866)	1287 (1233 to 1340)	404 (398 to 409)
	Death #, 2017	324 (276 to 378)	85 (70 to 103)	198 (172 to 228)	99 (86 to 114)	60 (55 to 64)	69 (64 to 74)	256 (227 to 290)	606 (518 to 708)	705 (605 to 821)	1090 (975 to 1218)	325 (292 to 362)
	% change 1990-2017	**-44.6% (-54.6% to -32.5%)#**	**-25.5% (-41.9% to -3.4%)#**	**-37.4% (-47.9% to -24.8%)#**	**-38.4% (-49.8% to -23.9%)#**	**-37.9% (-42.9% to -32.1%)#**	**-30.4% (-35.3% to -25.3%)#**	**-29.4% (-37.5% to -20.3%)#**	**-40.2% (-49.2% to -29.4%)#**	**-40.0% (-49.2% to -29.0%)#**	**-37.1% (-44.0% to -28.9%)#**	**-29.6% (-36.8% to -21.8%)#**
	% change 2000-2017	**-16.7% (-30.3% to -0.0%)#**	-14.1% (-34.9% to 14.2%)	-10.4% (-25.4% to 6.6%)	-11.0% (-26.7% to 8.9%)	-7.2% (-15.1% to 1.6%)	**-22.7% (-28.1% to -16.9%)#**	**-18.5% (-27.9% to -8.1%)#**	-14.3% (-27.1% to 0.9%)	-13.9% (-26.3% to 1.7%)	**-15.3% (-24.2% to -3.8%)#**	**-19.4% (-27.9% to -10.3%)#**
Washington	Death #, 1990	261 (232 to 291)	69 (56 to 84)	264 (224 to 307)	114 (98 to 132)	77 (74 to 80)	77 (75 to 79)	266 (262 to 269)	594 (559 to 633)	707 (670 to 751)	1127 (1082 to 1178)	343 (338 to 348)
	Death #, 2000	219 (193 to 246)	60 (50 to 72)	162 (139 to 187)	88 (72 to 107)	63 (59 to 66)	76 (74 to 79)	251 (248 to 255)	440 (408 to 474)	528 (496 to 563)	919 (879 to 960)	328 (322 to 333)
	Death #, 2017	211 (179 to 247)	53 (42 to 68)	130 (113 to 149)	72 (62 to 83)	43 (40 to 47)	55 (51 to 59)	201 (177 to 226)	394 (337 to 459)	465 (400 to 542)	764 (685 to 853)	256 (230 to 285)
	% change 1990-2017	**-19.2% (-33.2% to -1.4%)#**	-23.1% (-42.0% to 3.0%)	**-50.8% (-60.1% to -39.6%)#**	**-37.0% (-49.1% to -22.0%)#**	**-43.7% (-48.4% to -38.1%)#**	**-28.6% (-33.6% to -23.2%)#**	**-24.5% (-33.4% to -14.8%)#**	**-33.7% (-43.7% to -21.3%)#**	**-34.2% (-43.9% to -21.9%)#**	**-32.2% (-39.3% to -23.3%)#**	**-25.4% (-33.3% to -16.8%)#**
	% change 2000-2017	-3.7% (-21.3% to 19.4%)	-11.4% (-31.6% to 17.0%)	**-19.7% (-35.0% to -1.8%)#**	-18.7% (-36.1% to 4.2%)	**-31.1% (-37.2% to -24.1%)#**	**-28.0% (-33.1% to -22.4%)#**	**-20.0% (-29.4% to -9.8%)#**	-10.6% (-24.9% to 6.5%)	-12.0% (-25.2% to 4.6%)	**-16.8% (-25.9% to -5.5%)#**	**-21.9% (-30.0% to -12.9%)#**
W Virginia	Death #, 1990	132 (114 to 151)	32 (23 to 42)	98 (77 to 122)	51 (39 to 66)	24 (23 to 25)	36 (35 to 37)	134 (131 to 136)	262 (246 to 280)	313 (295 to 333)	506 (484 to 529)	169 (167 to 172)
	Death #, 2000	94 (83 to 107)	28 (20 to 37)	72 (62 to 86)	31 (24 to 40)	25 (24 to 26)	33 (32 to 34)	106 (105 to 108)	194 (180 to 208)	225 (210 to 240)	390 (371 to 408)	140 (137 to 142)
	Death #, 2017	68 (55 to 83)	20 (14 to 28)	52 (42 to 66)	25 (16 to 38)	17 (15 to 20)	23 (21 to 26)	80 (70 to 90)	141 (116 to 170)	165 (133 to 206)	286 (245 to 336)	103 (92 to 115)
	% change 1990-2017	**-48.5% (-59.4% to -34.1%)#**	**-37.4% (-58.6% to -4.8%)#**	**-46.3% (-61.4% to -26.4%)#**	**-51.5% (-70.9% to -22.1%)#**	**-26.3% (-37.1% to -12.6%)#**	**-35.4% (-42.2% to -28.6%)#**	**-40.2% (-47.4% to -32.4%)#**	**-46.3% (-56.6% to -34.6%)#**	**-47.1% (-58.1% to -33.9%)#**	**-43.5% (-51.8% to -33.4%)#**	**-39.2% (-45.9% to -32.0%)#**
	% change 2000-2017	**-27.8% (-43.6% to -8.2%)#**	-26.7% (-50.9% to 10.6%)	**-27.5% (-45.8% to -5.3%)#**	-20.9% (-53.1% to 31.3%)	**-30.2% (-41.0% to -17.4%)#**	**-30.3% (-37.0% to -23.1%)#**	**-24.9% (-33.8% to -15.0%)#**	**-27.5% (-41.4% to -11.5%)#**	**-26.6% (-42.5% to -7.7%)#**	**-26.7% (-37.9% to -14.1%)#**	**-26.2% (-34.4% to -17.4%)#**
Wisconsin	Death #, 1990	295 (266 to 327)	66 (55 to 77)	219 (192 to 249)	113 (97 to 131)	73 (69 to 76)	85 (83 to 87)	285 (281 to 288)	580 (544 to 615)	693 (657 to 729)	1,135 (1,092 to 1,179)	370 (365 to 375)
	Death #, 2000	257 (234 to 280)	58 (49 to 68)	148 (130 to 168)	86 (75 to 99)	65 (62 to 68)	74 (73 to 76)	265 (261 to 269)	463 (437 to 493)	549 (522 to 580)	954 (920 to 992)	339 (335 to 344)
	Death #, 2017	206 (176 to 242)	45 (37 to 55)	101 (87 to 117)	57 (49 to 65)	37 (34 to 40)	54 (50 to 58)	178 (155 to 200)	352 (300 to 413)	409 (350 to 477)	678 (605 to 763)	231 (206 to 258)
	% change 1990-2017	**-30.1% (-42.3% to -14.8%)#**	**-31.4% (-45.9% to -10.9%)#**	**-53.9% (-61.8% to -44.2%)#**	**-49.7% (-59.6% to -37.6%)#**	**-48.6% (-52.9% to -43.5%)#**	**-36.8% (-41.7% to -31.6%)#**	**-37.7% (-45.5% to -29.7%)#**	**-39.2% (-48.3% to -28.1%)#**	**-41.0% (-49.5% to -30.1%)#**	**-40.3% (-46.8% to -32.1%)#**	**-37.5% (-44.2% to -30.6%)#**
	% change 2000-2017	**-19.8% (-32.9% to -4.6%)#**	-22.4% (-40.6% to 1.5%)	**-31.6% (-43.9% to -18.0%)#**	**-34.3% (-46.0% to -19.7%)#**	**-42.5% (-47.4% to -37.0%)#**	**-27.8% (-33.4% to -22.2%)#**	**-33.0% (-41.6% to -24.5%)#**	**-23.9% (-36.0% to -10.1%)#**	**-25.6% (-37.6% to -12.5%)#**	**-28.9% (-37.0% to -20.0%)#**	**-31.8% (-39.5% to -24.2%)#**
Wyoming	Death #, 1990	26 (23 to 30)	5 (4 to 7)	30 (25 to 35)	13 (10 to 16)	10 (9 to 11)	13 (12 to 13)	37 (36 to 38)	61 (57 to 66)	74 (69 to 80)	134 (127 to 141)	50 (49 to 51)
	Death #, 2000	23 (20 to 27)	5 (4 to 7)	16 (14 to 20)	9 (7 to 12)	11 (10 to 12)	11 (11 to 12)	38 (38 to 39)	45 (41 to 49)	54 (49 to 59)	114 (108 to 121)	49 (48 to 51)
	Death #, 2017	23 (18 to 29)	5 (3 to 8)	11 (8 to 14)	9 (6 to 12)	6 (5 to 7)	6 (5 to 6)	29 (27 to 32)	39 (32 to 48)	48 (39 to 60)	89 (78 to 103)	35 (32 to 38)
	% change 1990-2017	-10.9% (-32.5% to 17.4%)	-7.0% (-49.0% to 66.2%)	**-64.0% (-73.9% to -51.1%)#**	-30.8% (-52.9% to 1.2%)	**-38.2% (-47.4% to -27.1%)#**	**-54.3% (-58.4% to -49.7%)#**	**-20.9% (-27.7% to -14.0%)#**	**-36.4% (-48.8% to -20.7%)#**	**-35.4% (-49.0% to -17.9%)#**	**-33.4% (-42.6% to -22.1%)#**	**-29.4% (-35.0% to -23.7%)#**
	% change 2000-2017	0.1% (-24.4% to 34.0%)	-2.4% (-43.0% to 62.9%)	**-35.1% (-51.0% to -11.8%)#**	-1.9% (-37.6% to 50.2%)	**-43.4% (-51.9% to -32.3%)#**	**-47.4% (-52.4% to -41.7%)#**	**-24.0% (-30.1% to -17.4%)#**	-13.1% (-30.9% to 9.1%)	-11.2% (-30.2% to 13.8%)	**-22.1% (-33.0% to -8.2%)#**	**-29.2% (-34.7% to -23.3%)#**
	Death #, 1990	11384 (10860 to 11896)	2729 (2548 to 2920)	8811 (8344 to 9301)	3628 (3339 to 3955)	1601 (1587 to 1616)	1625 (1617 to 1633)	3068 (3057 to 3079)	22923 (22498 to 23337)	26551 (26257 to 26868)	32845 (32523 to 33190)	4693 (4675 to 4711)
	% of global total, 1990	0.4% (0.4% to 0.4%)	0.2% (0.2% to 0.2%)	0.2% (0.2% to 0.2%)	0.1% (0.1% to 0.1%)	0.2% (0.2% to 0.2%)	0.3% (0.3% to 0.3%)	0.5% (0.5% to 0.5%)	0.3% (0.3% to 0.3%)	0.2% (0.2% to 0.2%)	0.2% (0.2% to 0.2%)	0.4% (0.4% to 0.4%)
	Death #, 2000	7224 (6973 to 7474)	2072 (1955 to 2202)	5489 (5214 to 5767)	2399 (2208 to 2616)	1304 (1289 to 1319)	1392 (1383 to 1402)	3376 (3364 to 3388)	14786 (14491 to 15065)	17185 (16909 to 17457)	23257 (22953 to 23549)	4768 (4749 to 4788)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Southern Latin America	% of global total, 2000	0.3% (0.2% to 0.3%)	0.2% (0.2% to 0.2%)	0.2% (0.2% to 0.2%)	0.1% (0.1% to 0.1%)	0.2% (0.2% to 0.2%)	0.3% (0.3% to 0.3%)	0.5% (0.5% to 0.5%)	0.2% (0.2% to 0.2%)	0.2% (0.2% to 0.2%)	0.2% (0.2% to 0.2%)	0.4% (0.4% to 0.4%)
	Death #, 2017	4509 (3944 to 5131)	1624 (1425 to 1846)	2788 (2436 to 3184)	1520 (1350 to 1716)	846 (774 to 925)	1027 (966 to 1098)	3284 (3003 to 3600)	8920 (7847 to 10151)	10441 (9201 to 11840)	15597 (14197 to 17303)	4311 (3990 to 4689)
	% of global total, 2017	0.2% (0.2% to 0.3%)	0.3% (0.3% to 0.4%)	0.2% (0.1% to 0.2%)	0.1% (0.1% to 0.1%)	0.2% (0.2% to 0.2%)	0.3% (0.3% to 0.3%)	0.6% (0.6% to 0.7%)	0.2% (0.2% to 0.3%)	0.2% (0.2% to 0.2%)	0.2% (0.2% to 0.3%)	0.5% (0.5% to 0.6%)
	% change 1990-2017	**-60.4% (-65.5% to -54.5%)#**	**-40.5% (-48.6% to -31.0%)#**	**-68.4% (-72.4% to -63.9%)#**	**-58.1% (-63.3% to -51.5%)#**	**-47.2% (-51.5% to -42.2%)#**	**-36.8% (-40.6% to -32.4%)#**	7.0% (-2.0% to 17.5%)	**-61.1% (-65.8% to -55.8%)#**	**-60.7% (-65.3% to -55.3%)#**	**-52.5% (-56.8% to -47.3%)#**	**-8.2% (-15.0% to -0.1%)#**
	% change 2000-2017	**-37.6% (-45.6% to -28.2%)#**	**-21.6% (-32.5% to -10.0%)#**	**-49.2% (-55.9% to -42.0%)#**	**-36.6% (-45.6% to -26.4%)#**	**-35.1% (-40.6% to -29.0%)#**	**-26.2% (-30.7% to -21.2%)#**	-2.7% (-10.9% to 6.7%)	**-39.7% (-46.9% to -31.5%)#**	**-39.2% (-46.6% to -31.1%)#**	**-32.9% (-39.0% to -25.5%)#**	**-9.6% (-16.3% to -1.7%)#**
Argentina	Death #, 1990	8820 (8341 to 9284)	2051 (1870 to 2243)	6266 (5821 to 6721)	2626 (2338 to 2933)	1094 (1083 to 1106)	1144 (1137 to 1151)	2015 (2006 to 2025)	17138 (16757 to 17517)	19764 (19521 to 20032)	24016 (23751 to 24306)	3159 (3145 to 3174)
	Death #, 2000	5844 (5612 to 6087)	1598 (1476 to 1724)	4224 (3963 to 4493)	1814 (1632 to 2023)	939 (925 to 952)	1016 (1007 to 1025)	2516 (2505 to 2527)	11666 (11395 to 11933)	13481 (13229 to 13726)	17951 (17675 to 18224)	3532 (3514 to 3550)
	Death #, 2017	3459 (2952 to 4035)	1317 (1125 to 1536)	2254 (1940 to 2618)	1218 (1056 to 1404)	643 (574 to 721)	782 (723 to 853)	2554 (2284 to 2861)	7030 (6015 to 8196)	8248 (7091 to 9607)	12227 (10878 to 13785)	3336 (3015 to 3707)
	% change 1990-2017	**-60.8% (-66.8% to -53.6%)#**	**-35.8% (-46.4% to -23.5%)#**	**-64.0% (-69.6% to -57.8%)#**	**-53.6% (-60.8% to -44.5%)#**	**-41.2% (-47.4% to -34.2%)#**	**-31.6% (-37.0% to -25.3%)#**	**26.8% (12.9% to 42.1%)#**	**-59.0% (-64.8% to -52.0%)#**	**-58.3% (-64.2% to -51.4%)#**	**-49.1% (-54.7% to -42.2%)#**	5.6% (-4.6% to 17.4%)
	% change 2000-2017	**-40.8% (-49.9% to -30.5%)#**	**-17.6% (-30.9% to -2.6%)#**	**-46.6% (-54.9% to -37.9%)#**	**-32.9% (-44.8% to -19.7%)#**	**-31.5% (-38.9% to -23.2%)#**	**-23.0% (-29.1% to -16.0%)#**	1.5% (-9.4% to 13.8%)	**-39.7% (-48.7% to -30.2%)#**	**-38.8% (-47.8% to -28.8%)#**	**-31.9% (-39.4% to -23.1%)#**	-5.5% (-14.7% to 5.1%)
Chile	Death #, 1990	2,042 (1,893 to 2,202)	530 (494 to 566)	2,099 (1,963 to 2,243)	855 (770 to 949)	432 (424 to 441)	392 (388 to 396)	856 (850 to 862)	4,670 (4,528 to 4,813)	5,525 (5,390 to 5,668)	7,205 (7,055 to 7,363)	1,248 (1,239 to 1,257)
	Death #, 2000	1,090 (1,008 to 1,167)	337 (321 to 354)	950 (876 to 1,031)	461 (415 to 513)	303 (296 to 312)	311 (306 to 315)	675 (670 to 680)	2,377 (2,294 to 2,469)	2,838 (2,747 to 2,937)	4,127 (4,022 to 4,240)	986 (977 to 995)
	Death #, 2017	882 (660 to 1,160)	236 (177 to 309)	401 (278 to 564)	241 (198 to 294)	168 (149 to 188)	196 (180 to 212)	558 (498 to 624)	1,519 (1,155 to 1,982)	1,760 (1,352 to 2,276)	2,681 (2,225 to 3,244)	753 (682 to 833)
	% change 1990-2017	**-56.8% (-68.2% to -43.1%)#**	**-55.5% (-66.8% to -41.4%)#**	**-80.9% (-86.9% to -72.8%)#**	**-71.8% (-77.1% to -64.6%)#**	**-61.2% (-65.5% to -56.3%)#**	**-50.1% (-54.1% to -46.0%)#**	**-34.9% (-41.8% to -27.1%)#**	**-67.5% (-75.3% to -57.9%)#**	**-68.1% (-75.5% to -58.9%)#**	**-62.8% (-69.1% to -55.0%)#**	**-39.7% (-45.5% to -33.2%)#**
	% change 2000-2017	-19.1% (-39.8% to 8.7%)	**-30.0% (-47.6% to -7.4%)#**	**-57.8% (-71.5% to -41.1%)#**	**-47.6% (-58.4% to -35.0%)#**	**-44.8% (-50.8% to -38.0%)#**	**-37.0% (-42.1% to -31.9%)#**	**-17.4% (-26.3% to -7.7%)#**	**-36.1% (-51.2% to -17.1%)#**	**-38.0% (-52.0% to -20.3%)#**	**-35.0% (-46.1% to -21.2%)#**	**-23.6% (-30.8% to -15.7%)#**
Uruguay	Death #, 1990	521 (488 to 557)	147 (132 to 162)	445 (410 to 483)	147 (129 to 167)	75 (73 to 78)	89 (88 to 91)	197 (194 to 199)	1,114 (1,069 to 1,160)	1,261 (1,205 to 1,322)	1,622 (1,562 to 1,687)	286 (282 to 290)
	Death #, 2000	290 (264 to 315)	137 (124 to 150)	314 (286 to 345)	124 (111 to 137)	62 (60 to 64)	66 (65 to 68)	184 (182 to 187)	741 (698 to 786)	865 (820 to 914)	1,178 (1,127 to 1,233)	251 (247 to 254)
	Death #, 2017	167 (129 to 213)	71 (55 to 90)	133 (98 to 177)	61 (49 to 74)	36 (31 to 40)	49 (45 to 53)	172 (153 to 191)	371 (299 to 457)	432 (349 to 533)	688 (595 to 799)	221 (200 to 244)
	% change 1990-2017	**-68.0% (-75.7% to -58.5%)#**	**-51.9% (-63.7% to -37.1%)#**	**-70.1% (-78.5% to -59.9%)#**	**-58.6% (-67.2% to -47.7%)#**	**-52.9% (-58.7% to -45.9%)#**	**-45.0% (-49.6% to -40.2%)#**	**-12.6% (-22.1% to -2.5%)#**	**-66.7% (-73.3% to -58.8%)#**	**-65.8% (-72.6% to -57.6%)#**	**-57.6% (-63.8% to -50.3%)#**	**-22.8% (-30.3% to -14.7%)#**
	% change 2000-2017	**-42.3% (-55.9% to -25.9%)#**	**-48.4% (-61.0% to -33.7%)#**	**-57.7% (-69.5% to -43.2%)#**	**-50.9% (-60.7% to -39.0%)#**	**-42.6% (-49.5% to -34.8%)#**	**-25.7% (-31.9% to -19.0%)#**	-6.9% (-17.2% to 3.9%)	**-50.0% (-59.5% to -38.1%)#**	**-50.1% (-59.7% to -38.5%)#**	**-41.6% (-49.6% to -31.7%)#**	**-11.9% (-20.3% to -2.5%)#**
Western Europe	Death #, 1990	16,606 (15,953 to 17,233)	5,070 (4,768 to 5,425)	13,578 (12,756 to 14,402)	7,098 (6,592 to 7,638)	4,591 (4,562 to 4,623)	5,001 (4,981 to 5,020)	15,488 (15,462 to 15,515)	35,255 (34,620 to 35,871)	42,353 (42,010 to 42,721)	67,433 (67,027 to 67,867)	20,489 (20,446 to 20,533)
	% of global total, 1990	0.6% (0.5% to 0.6%)	0.4% (0.4% to 0.4%)	0.3% (0.3% to 0.4%)	0.2% (0.2% to 0.2%)	0.5% (0.5% to 0.5%)	1.1% (1.1% to 1.1%)	2.3% (2.3% to 2.3%)	0.4% (0.4% to 0.4%)	0.4% (0.3% to 0.4%)	0.5% (0.5% to 0.5%)	1.8% (1.8% to 1.8%)
	Death #, 2000	10,136 (9,687 to 10,581)	3,542 (3,325 to 3,763)	6,773 (6,337 to 7,195)	4,309 (3,976 to 4,659)	2,853 (2,830 to 2,876)	3,537 (3,520 to 3,554)	10,979 (10,958 to 11,001)	20,452 (20,014 to 20,835)	24,761 (24,513 to 25,018)	42,130 (41,833 to 42,437)	14,516 (14,480 to 14,552)
	% of global total, 2000	0.4% (0.3% to 0.4%)	0.4% (0.4% to 0.4%)	0.2% (0.2% to 0.2%)	0.1% (0.1% to 0.2%)	0.4% (0.4% to 0.4%)	0.7% (0.7% to 0.7%)	1.6% (1.6% to 1.6%)	0.3% (0.3% to 0.3%)	0.3% (0.2% to 0.3%)	0.4% (0.4% to 0.4%)	1.2% (1.2% to 1.3%)
	Death #, 2017	6,811 (6,375 to 7,278)	2,433 (2,263 to 2,617)	4,227 (3,920 to 4,596)	2,679 (2,562 to 2,802)	1,750 (1,702 to 1,798)	1,948 (1,914 to 1,985)	5,180 (5,058 to 5,310)	13,471 (12,670 to 14,322)	16,150 (15,240 to 17,108)	25,028 (24,009 to 26,097)	7,129 (6,983 to 7,279)
	% of global total, 2017	0.4% (0.3% to 0.4%)	0.5% (0.4% to 0.5%)	0.3% (0.2% to 0.3%)	0.2% (0.2% to 0.2%)	0.4% (0.4% to 0.4%)	0.6% (0.6% to 0.6%)	1.0% (1.0% to 1.0%)	0.3% (0.3% to 0.4%)	0.3% (0.3% to 0.3%)	0.4% (0.4% to 0.4%)	0.8% (0.8% to 0.9%)
	% change 1990-2017	**-59.0% (-62.1% to -55.4%)#**	**-52.0% (-56.6% to -46.9%)#**	**-68.9% (-71.9% to -65.6%)#**	**-62.3% (-65.4% to -58.9%)#**	**-61.9% (-63.0% to -60.8%)#**	**-61.0% (-61.7% to -60.3%)#**	**-66.5% (-67.4% to -65.7%)#**	**-61.8% (-64.1% to -59.2%)#**	**-61.9% (-63.9% to -59.5%)#**	**-62.9% (-64.4% to -61.2%)#**	**-65.2% (-65.9% to -64.5%)#**
	% change 2000-2017	**-32.8% (-38.0% to -27.0%)#**	**-31.3% (-37.8% to -24.2%)#**	**-37.6% (-43.1% to -30.6%)#**	**-37.8% (-43.0% to -31.5%)#**	**-38.7% (-40.5% to -36.9%)#**	**-44.9% (-45.9% to -43.9%)#**	**-52.8% (-53.9% to -51.6%)#**	**-34.1% (-38.4% to -29.8%)#**	**-34.8% (-38.5% to -30.8%)#**	**-40.6% (-43.0% to -37.9%)#**	**-50.9% (-51.9% to -49.8%)#**
Andorra	Death #, 1990	1 (1 to 2)	0 (0 to 1)	1 (1 to 1)	2 (1 to 2)	0 (0 to 1)	1 (0 to 1)	2 (1 to 2)	3 (2 to 3)	4 (3 to 5)	7 (5 to 8)	2 (2 to 2)
	Death #, 2000	1 (1 to 1)	0 (0 to 0)	0 (0 to 1)	1 (1 to 2)	0 (0 to 0)	0 (0 to 0)	1 (1 to 1)	2 (1 to 2)	3 (2 to 4)	4 (4 to 5)	1 (1 to 1)
	Death #, 2017	0 (0 to 0)	0 (0 to 0)	0 (0 to 0)	1 (0 to 1)	0 (0 to 0)	0 (0 to 0)	1 (1 to 1)	1 (1 to 1)	1 (1 to 2)	3 (2 to 3)	1 (1 to 1)
	% change 1990-2017	**-72.8% (-78.8% to -65.4%)#**	**-68.4% (-75.3% to -59.7%)#**	**-65.5% (-73.0% to -56.2%)#**	**-66.5% (-82.4% to -41.5%)#**	**-35.7% (-48.1% to -19.7%)#**	**-36.9% (-45.9% to -25.4%)#**	**-45.2% (-54.5% to -33.5%)#**	**-70.0% (-76.5% to -61.8%)#**	**-68.7% (-78.3% to -57.0%)#**	**-58.2% (-67.3% to -47.8%)#**	**-43.2% (-52.1% to -32.2%)#**
	% change 2000-2017	**-52.5% (-60.6% to -42.9%)#**	**-50.7% (-59.1% to -40.6%)#**	**-48.4% (-57.3% to -37.8%)#**	**-54.1% (-72.2% to -22.7%)#**	**-21.9% (-33.7% to -8.2%)#**	-3.1% (-14.6% to 9.1%)	-8.3% (-21.9% to 6.9%)	**-50.9% (-59.3% to -41.0%)#**	**-52.2% (-64.9% to -35.7%)#**	**-36.0% (-47.5% to -21.9%)#**	-7.0% (-19.4% to 6.1%)
Austria	Death #, 1990	330 (285 to 375)	108 (92 to 125)	291 (236 to 346)	141 (107 to 182)	86 (83 to 90)	71 (69 to 72)	354 (350 to 358)	728 (674 to 779)	869 (824 to 918)	1,380 (1,327 to 1,437)	425 (419 to 430)
	Death #, 2000	183 (160 to 207)	61 (53 to 69)	116 (93 to 141)	84 (63 to 109)	56 (53 to 58)	69 (68 to 71)	279 (276 to 282)	360 (330 to 389)	443 (415 to 471)	847 (813 to 881)	348 (344 to 353)
	Death #, 2017	144 (115 to 179)	34 (27 to 42)	69 (57 to 84)	47 (40 to 55)	32 (29 to 36)	33 (31 to 35)	133 (125 to 142)	247 (199 to 305)	293 (239 to 361)	493 (431 to 564)	167 (157 to 176)
	% change 1990-2017	**-56.3% (-65.9% to -43.9%)#**	**-68.7% (-75.7% to -59.2%)#**	**-76.3% (-81.9% to -68.2%)#**	**-66.7% (-75.3% to -54.5%)#**	**-62.6% (-66.5% to -58.2%)#**	**-52.6% (-55.6% to -49.4%)#**	**-62.3% (-64.5% to -60.0%)#**	**-66.2% (-72.9% to -57.4%)#**	**-66.2% (-72.7% to -58.2%)#**	**-64.3% (-69.1% to -58.6%)#**	**-60.7% (-63.0% to -58.3%)#**
	% change 2000-2017	-21.5% (-40.0% to 1.4%)	**-44.3% (-57.9% to -28.4%)#**	**-40.5% (-56.0% to -19.1%)#**	**-43.8% (-58.2% to -23.2%)#**	**-42.1% (-48.1% to -35.5%)#**	**-51.7% (-55.0% to -48.5%)#**	**-52.2% (-55.1% to -49.3%)#**	**-31.4% (-46.3% to -12.8%)#**	**-33.8% (-46.7% to -18.2%)#**	**-41.9% (-49.8% to -32.8%)#**	**-52.1% (-54.9% to -49.3%)#**
Belgium	Death #, 1990	459 (382 to 536)	128 (117 to 141)	434 (353 to 516)	183 (139 to 237)	125 (121 to 130)	123 (120 to 125)	405 (401 to 409)	1,020 (955 to 1,087)	1,203 (1,147 to 1,261)	1,856 (1,790 to 1,923)	528 (522 to 534)
	Death #, 2000	271 (229 to 312)	86 (70 to 103)	207 (162 to 252)	128 (96 to 164)	80 (76 to 83)	98 (95 to 100)	319 (316 to 322)	564 (518 to 615)	692 (653 to 734)	1,188 (1,143 to 1,238)	416 (411 to 422)
	Death #, 2017	177 (139 to 226)	59 (46 to 75)	125 (100 to 157)	79 (67 to 93)	61 (56 to 68)	45 (43 to 48)	148 (140 to 157)	361 (284 to 457)	440 (351 to 551)	695 (591 to 815)	193 (183 to 205)
	% change 1990-2017	**-61.3% (-71.5% to -47.0%)#**	**-54.0% (-64.9% to -40.5%)#**	**-71.2% (-78.3% to -61.4%)#**	**-56.8% (-68.3% to -41.1%)#**	**-51.0% (-55.9% to -45.4%)#**	**-63.1% (-65.5% to -60.6%)#**	**-63.5% (-65.6% to -61.3%)#**	**-64.6% (-72.4% to -54.6%)#**	**-63.4% (-70.8% to -54.1%)#**	**-62.6% (-68.2% to -55.9%)#**	**-63.4% (-65.4% to -61.3%)#**
	% change 2000-2017	**-34.5% (-50.8% to -12.4%)#**	**-31.9% (-50.4% to -8.1%)#**	**-39.6% (-56.6% to -15.1%)#**	**-38.1% (-52.7% to -15.3%)#**	**-23.0% (-31.1% to -14.3%)#**	**-53.5% (-56.7% to -50.3%)#**	**-53.6% (-56.3% to -50.8%)#**	**-36.0% (-50.6% to -17.9%)#**	**-36.4% (-49.6% to -20.3%)#**	**-41.5% (-50.5% to -31.1%)#**	**-53.6% (-56.2% to -50.8%)#**
	Death #, 1990	73 (68 to 79)	19 (18 to 21)	55 (51 to 59)	18 (14 to 22)	16 (15 to 17)	9 (9 to 9)	33 (33 to 34)	147 (136 to 159)	165 (153 to 178)	224 (210 to 238)	43 (42 to 43)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Cyprus	Death #, 2000	35 (31 to 39)	10 (9 to 12)	21 (18 to 23)	11 (9 to 13)	13 (12 to 14)	12 (11 to 12)	48 (46 to 51)	66 (59 to 74)	77 (69 to 85)	150 (140 to 161)	60 (57 to 64)
	Death #, 2017	14 (12 to 17)	5 (4 to 6)	9 (8 to 11)	5 (4 to 6)	5 (5 to 6)	5 (5 to 5)	22 (20 to 24)	28 (24 to 34)	33 (28 to 39)	66 (59 to 73)	27 (25 to 30)
	% change 1990-2017	**-80.2% (-83.4% to -76.5%)#**	**-74.2% (-78.3% to -69.2%)#**	**-83.7% (-86.2% to -80.6%)#**	**-73.2% (-79.6% to -64.8%)#**	**-67.2% (-70.4% to -63.8%)#**	**-45.1% (-49.0% to -40.8%)#**	**-33.6% (-39.8% to -26.9%)#**	**-80.7% (-83.8% to -77.1%)#**	**-79.9% (-83.1% to -76.2%)#**	**-70.7% (-73.7% to -67.1%)#**	**-36.1% (-41.7% to -30.1%)#**
	% change 2000-2017	**-58.4% (-65.2% to -50.9%)#**	**-52.7% (-60.5% to -44.2%)#**	**-56.3% (-63.2% to -48.6%)#**	**-55.8% (-64.7% to -44.5%)#**	**-59.9% (-64.2% to -55.1%)#**	**-57.8% (-61.0% to -54.4%)#**	**-54.0% (-59.0% to -48.7%)#**	**-56.8% (-63.9% to -49.1%)#**	**-56.7% (-63.7% to -49.0%)#**	**-56.2% (-60.6% to -50.9%)#**	**-54.8% (-59.2% to -49.9%)#**
Denmark	Death #, 1990	232 (205 to 259)	61 (53 to 68)	185 (155 to 217)	95 (69 to 124)	55 (52 to 58)	62 (60 to 63)	153 (151 to 155)	478 (443 to 511)	572 (534 to 610)	843 (799 to 885)	215 (211 to 218)
	Death #, 2000	166 (143 to 190)	46 (37 to 56)	91 (77 to 106)	66 (50 to 85)	40 (38 to 42)	46 (45 to 47)	121 (120 to 123)	302 (273 to 333)	369 (344 to 397)	576 (546 to 608)	167 (164 to 170)
	Death #, 2017	100 (77 to 127)	31 (24 to 40)	64 (50 to 81)	28 (23 to 33)	27 (24 to 30)	20 (18 to 21)	59 (56 to 63)	194 (151 to 248)	222 (175 to 281)	327 (277 to 391)	79 (74 to 83)
	% change 1990-2017	**-57.2% (-67.8% to -43.9%)#**	**-49.0% (-62.0% to -32.9%)#**	**-65.5% (-74.1% to -52.9%)#**	**-70.6% (-79.0% to -59.0%)#**	**-51.7% (-56.8% to -45.9%)#**	**-68.3% (-70.5% to -65.8%)#**	**-61.4% (-63.7% to -58.9%)#**	**-59.4% (-68.6% to -47.1%)#**	**-61.2% (-69.9% to -50.9%)#**	**-61.1% (-67.6% to -53.2%)#**	**-63.4% (-65.5% to -61.1%)#**
	% change 2000-2017	**-40.0% (-55.7% to -20.4%)#**	**-32.2% (-52.1% to -5.9%)#**	**-29.7% (-46.9% to -7.1%)#**	**-58.1% (-68.8% to -42.3%)#**	**-33.1% (-40.3% to -24.6%)#**	**-57.4% (-60.2% to -54.1%)#**	**-51.3% (-54.1% to -48.2%)#**	**-35.7% (-51.3% to -16.8%)#**	**-39.8% (-53.2% to -22.5%)#**	**-43.1% (-52.6% to -31.1%)#**	**-52.9% (-55.6% to -50.1%)#**
Finland	Death #, 1990	213 (182 to 240)	50 (41 to 58)	114 (92 to 140)	70 (53 to 91)	61 (58 to 64)	61 (60 to 63)	212 (209 to 214)	377 (345 to 408)	447 (418 to 476)	782 (746 to 816)	273 (269 to 277)
	Death #, 2000	109 (96 to 123)	30 (24 to 36)	59 (48 to 70)	46 (34 to 59)	43 (40 to 46)	45 (44 to 47)	164 (162 to 167)	198 (179 to 217)	243 (226 to 262)	496 (473 to 520)	210 (206 to 213)
	Death #, 2017	54 (44 to 64)	14 (11 to 19)	32 (19 to 51)	24 (20 to 30)	28 (25 to 31)	30 (28 to 32)	82 (77 to 87)	100 (76 to 131)	124 (96 to 160)	263 (228 to 305)	111 (105 to 118)
	% change 1990-2017	**-74.8% (-80.0% to -68.2%)#**	**-70.8% (-79.0% to -59.2%)#**	**-72.2% (-83.9% to -52.4%)#**	**-65.4% (-75.1% to -52.2%)#**	**-54.5% (-59.5% to -48.3%)#**	**-51.6% (-54.9% to -48.0%)#**	**-61.5% (-63.8% to -59.0%)#**	**-73.5% (-80.0% to -64.8%)#**	**-72.2% (-78.7% to -64.0%)#**	**-66.3% (-70.8% to -60.6%)#**	**-59.3% (-61.6% to -56.7%)#**
	% change 2000-2017	**-50.8% (-61.8% to -38.2%)#**	**-51.4% (-66.7% to -31.2%)#**	**-46.0% (-69.0% to -10.3%)#**	**-46.8% (-60.2% to -24.2%)#**	**-35.2% (-43.0% to -25.8%)#**	**-34.3% (-38.9% to -29.0%)#**	**-50.4% (-53.5% to -47.1%)#**	**-49.5% (-62.6% to -33.1%)#**	**-49.0% (-61.3% to -33.5%)#**	**-46.9% (-54.2% to -37.6%)#**	**-46.9% (-50.1% to -43.5%)#**
France	Death #, 1990	2,076 (1,847 to 2,302)	814 (715 to 917)	2,651 (2,315 to 2,992)	1,163 (899 to 1,489)	679 (667 to 692)	731 (724 to 738)	2,373 (2,362 to 2,382)	5,541 (5,162 to 5,889)	6,704 (6,543 to 6,878)	10,487 (10,302 to 10,687)	3,104 (3,087 to 3,119)
	Death #, 2000	1,549 (1,295 to 1,819)	634 (521 to 752)	1,268 (1,050 to 1,488)	738 (548 to 946)	462 (451 to 474)	603 (596 to 612)	1,900 (1,890 to 1,909)	3,451 (3,222 to 3,668)	4,189 (4,069 to 4,322)	7,154 (7,011 to 7,312)	2,503 (2,487 to 2,519)
	Death #, 2017	1,054 (849 to 1,306)	475 (383 to 588)	768 (632 to 932)	570 (499 to 652)	314 (290 to 341)	319 (302 to 334)	847 (800 to 894)	2,297 (1,863 to 2,827)	2,867 (2,362 to 3,478)	4,347 (3,782 to 5,012)	1,165 (1,108 to 1,225)
	% change 1990-2017	**-49.2% (-59.9% to -35.4%)#**	**-41.6% (-55.4% to -25.2%)#**	**-71.0% (-77.0% to -63.0%)#**	**-51.0% (-62.9% to -34.7%)#**	**-53.8% (-57.4% to -49.7%)#**	**-56.4% (-58.8% to -54.2%)#**	**-64.3% (-66.3% to -62.3%)#**	**-58.5% (-66.4% to -48.4%)#**	**-57.2% (-64.8% to -48.0%)#**	**-58.5% (-63.9% to -52.3%)#**	**-62.5% (-64.3% to -60.5%)#**
	% change 2000-2017	**-32.0% (-48.9% to -9.2%)#**	**-25.0% (-44.4% to -0.5%)#**	**-39.4% (-52.9% to -22.6%)#**	-22.8% (-41.2% to 5.6%)	**-32.0% (-37.4% to -26.2%)#**	**-47.2% (-49.9% to -44.4%)#**	**-55.4% (-57.8% to -52.9%)#**	**-33.4% (-46.7% to -17.0%)#**	**-31.6% (-43.5% to -17.2%)#**	**-39.2% (-46.9% to -30.1%)#**	**-53.4% (-55.8% to -51.0%)#**
Germany	Death #, 1990	2,524 (2,050 to 3,008)	862 (638 to 1,123)	2,844 (2,235 to 3,484)	1,402 (1,066 to 1,774)	910 (895 to 925)	788 (781 to 795)	2,591 (2,581 to 2,601)	6,230 (5,855 to 6,580)	7,632 (7,463 to 7,795)	11,922 (11,724 to 12,108)	3,380 (3,363 to 3,396)
	Death #, 2000	1,590 (1,351 to 1,844)	500 (388 to 642)	1,223 (948 to 1,487)	765 (580 to 983)	484 (472 to 496)	634 (625 to 644)	2,099 (2,088 to 2,109)	3,313 (3,094 to 3,521)	4,077 (3,955 to 4,195)	7,294 (7,143 to 7,437)	2,733 (2,714 to 2,752)
	Death #, 2017	1,243 (970 to 1,555)	346 (244 to 462)	758 (533 to 1,043)	428 (364 to 504)	261 (233 to 291)	319 (294 to 346)	1,043 (935 to 1,158)	2,346 (1,888 to 2,859)	2,774 (2,266 to 3,365)	4,398 (3,829 to 5,073)	1,363 (1,235 to 1,497)
	% change 1990-2017	**-50.8% (-64.1% to -32.4%)#**	**-59.9% (-75.5% to -35.3%)#**	**-73.4% (-81.8% to -60.0%)#**	**-69.5% (-76.7% to -58.1%)#**	**-71.3% (-74.5% to -67.8%)#**	**-59.5% (-62.7% to -56.0%)#**	**-59.7% (-63.9% to -55.3%)#**	**-62.4% (-70.0% to -53.8%)#**	**-63.6% (-70.5% to -56.2%)#**	**-63.1% (-68.0% to -57.5%)#**	**-59.7% (-63.5% to -55.7%)#**
	% change 2000-2017	-21.9% (-40.9% to 3.6%)	**-30.8% (-54.5% to -0.0%)#**	**-38.0% (-58.8% to -8.3%)#**	**-44.0% (-58.6% to -23.7%)#**	**-46.1% (-51.9% to -39.3%)#**	**-49.7% (-53.7% to -45.4%)#**	**-50.3% (-55.5% to -44.7%)#**	**-29.2% (-43.5% to -11.5%)#**	**-32.0% (-44.8% to -17.7%)#**	**-39.7% (-47.8% to -30.4%)#**	**-50.1% (-54.8% to -45.2%)#**
Greece	Death #, 1990	497 (436 to 564)	189 (153 to 226)	277 (230 to 328)	136 (102 to 180)	127 (123 to 132)	144 (141 to 148)	392 (388 to 396)	963 (899 to 1,028)	1,100 (1,050 to 1,153)	1,763 (1,703 to 1,825)	536 (529 to 543)
	Death #, 2000	267 (231 to 306)	127 (102 to 156)	160 (133 to 191)	89 (68 to 114)	71 (68 to 74)	86 (84 to 88)	354 (350 to 357)	554 (511 to 600)	644 (607 to 682)	1,154 (1,111 to 1,199)	439 (434 to 445)
	Death #, 2017	140 (105 to 184)	73 (55 to 96)	104 (80 to 134)	64 (55 to 75)	51 (46 to 56)	46 (44 to 49)	131 (124 to 138)	318 (245 to 410)	382 (299 to 484)	610 (519 to 723)	177 (168 to 187)
	% change 1990-2017	**-71.8% (-79.5% to -61.5%)#**	**-61.1% (-71.5% to -46.5%)#**	**-62.4% (-72.7% to -49.0%)#**	**-53.2% (-66.0% to -33.7%)#**	**-59.9% (-63.7% to -55.5%)#**	**-68.0% (-69.8% to -66.0%)#**	**-66.6% (-68.5% to -64.7%)#**	**-67.0% (-74.4% to -56.8%)#**	**-65.3% (-72.7% to -56.0%)#**	**-65.4% (-70.6% to -59.1%)#**	**-67.0% (-68.7% to -65.2%)#**
	% change 2000-2017	**-47.5% (-62.4% to -28.2%)#**	**-42.2% (-59.9% to -17.6%)#**	**-35.0% (-52.7% to -9.3%)#**	**-28.6% (-45.9% to -2.5%)#**	**-27.8% (-34.7% to -19.7%)#**	**-45.9% (-49.2% to -42.5%)#**	**-63.0% (-65.1% to -60.9%)#**	**-42.7% (-56.2% to -25.2%)#**	**-40.7% (-54.2% to -24.1%)#**	**-47.2% (-55.3% to -37.2%)#**	**-59.7% (-61.8% to -57.5%)#**
Iceland	Death #, 1990	14 (12 to 16)	3 (3 to 4)	7 (6 to 8)	5 (4 to 7)	4 (4 to 5)	5 (5 to 5)	13 (13 to 14)	24 (21 to 27)	29 (26 to 33)	52 (48 to 56)	18 (18 to 19)
	Death #, 2000	6 (5 to 7)	2 (2 to 3)	4 (3 to 5)	4 (4 to 5)	3 (2 to 3)	3 (3 to 3)	8 (7 to 8)	12 (11 to 14)	17 (14 to 19)	30 (27 to 33)	10 (10 to 11)
	Death #, 2017	3 (2 to 3)	1 (1 to 2)	2 (2 to 3)	3 (2 to 4)	2 (2 to 2)	2 (2 to 2)	6 (6 to 6)	6 (5 to 8)	9 (7 to 12)	20 (17 to 23)	8 (8 to 8)
	% change 1990-2017	**-81.4% (-86.6% to -74.3%)#**	**-53.6% (-64.9% to -40.0%)#**	**-67.8% (-77.6% to -54.7%)#**	**-39.3% (-56.7% to -11.9%)#**	**-54.2% (-60.5% to -46.9%)#**	**-53.4% (-56.8% to -49.3%)#**	**-56.5% (-58.8% to -54.1%)#**	**-73.7% (-80.5% to -65.3%)#**	**-67.6% (-75.6% to -57.3%)#**	**-62.3% (-67.9% to -55.3%)#**	**-55.7% (-58.1% to -53.0%)#**
	% change 2000-2017	**-57.6% (-70.1% to -39.9%)#**	**-33.1% (-44.0% to -19.9%)#**	**-44.7% (-61.8% to -22.3%)#**	**-26.0% (-43.2% to -3.4%)#**	**-23.9% (-34.7% to -11.2%)#**	**-15.3% (-21.9% to -8.0%)#**	**-25.2% (-29.1% to -21.2%)#**	**-48.9% (-62.4% to -31.7%)#**	**-43.0% (-57.6% to -24.3%)#**	**-34.2% (-44.6% to -21.4%)#**	**-22.6% (-26.7% to -18.1%)#**
Ireland	Death #, 1990	215 (191 to 240)	46 (39 to 53)	150 (119 to 183)	87 (67 to 111)	60 (58 to 63)	66 (64 to 68)	169 (167 to 172)	411 (375 to 447)	498 (468 to 532)	794 (758 to 834)	235 (232 to 239)
	Death #, 2000	179 (156 to 204)	44 (35 to 53)	106 (94 to 117)	59 (44 to 77)	37 (35 to 39)	46 (45 to 47)	197 (194 to 200)	329 (299 to 359)	388 (361 to 416)	667 (636 to 701)	243 (239 to 247)
	Death #, 2017	108 (89 to 130)	30 (25 to 36)	61 (51 to 72)	26 (23 to 30)	24 (21 to 27)	28 (27 to 30)	71 (67 to 76)	199 (165 to 238)	225 (188 to 267)	349 (308 to 396)	100 (94 to 106)
	% change 1990-2017	**-49.8% (-59.7% to -38.2%)#**	**-34.7% (-49.6% to -15.2%)#**	**-59.3% (-68.8% to -45.7%)#**	**-69.9% (-77.6% to -60.0%)#**	**-60.6% (-64.9% to -55.8%)#**	**-57.0% (-59.7% to -54.0%)#**	**-58.0% (-60.8% to -55.2%)#**	**-51.5% (-60.4% to -40.7%)#**	**-54.8% (-62.6% to -45.2%)#**	**-56.1% (-61.5% to -49.6%)#**	**-57.7% (-60.3% to -55.1%)#**
	% change 2000-2017	**-39.7% (-51.7% to -24.9%)#**	**-31.5% (-48.0% to -8.7%)#**	**-42.3% (-53.1% to -29.8%)#**	**-55.5% (-66.5% to -38.6%)#**	**-35.5% (-42.3% to -27.6%)#**	**-38.5% (-42.3% to -34.3%)#**	**-63.8% (-66.2% to -61.3%)#**	**-39.4% (-50.5% to -26.4%)#**	**-41.9% (-51.9% to -30.4%)#**	**-47.8% (-54.1% to -40.4%)#**	**-59.0% (-61.5% to -56.5%)#**
Israel	Death #, 1990	489 (420 to 562)	148 (123 to 174)	374 (300 to 461)	200 (154 to 254)	110 (106 to 113)	82 (81 to 84)	206 (203 to 209)	1,011 (940 to 1,086)	1,211 (1,160 to 1,268)	1,609 (1,551 to 1,672)	288 (284 to 292)
	Death #, 2000	345 (292 to 401)	126 (107 to 147)	254 (197 to 320)	172 (132 to 218)	88 (85 to 91)	94 (92 to 96)	244 (241 to 247)	725 (664 to 782)	897 (853 to 943)	1,323 (1,271 to 1,376)	337 (333 to 342)
	Death #, 2017	233 (199 to 270)	105 (90 to 122)	172 (149 to 198)	122 (107 to 140)	79 (72 to 87)	78 (74 to 82)	169 (160 to 179)	510 (438 to 589)	633 (548 to 728)	958 (864 to 1,064)	247 (234 to 260)
	% change 1990-2017	**-52.3% (-61.6% to -40.7%)#**	**-29.1% (-44.3% to -9.1%)#**	**-54.0% (-63.9% to -39.6%)#**	**-38.9% (-53.9% to -18.8%)#**	**-28.1% (-34.7% to -20.9%)#**	-5.3% (-10.4% to 0.4%)	**-17.9% (-22.8% to -12.7%)#**	**-49.5% (-57.3% to -40.7%)#**	**-47.8% (-55.1% to -39.6%)#**	**-40.4% (-46.8% to -33.6%)#**	**-14.3% (-19.0% to -9.5%)#**
	% change 2000-2017	**-32.5% (-45.8% to -15.2%)#**	-16.9% (-33.8% to 4.1%)	**-32.0% (-48.5% to -10.2%)#**	**-28.7% (-45.3% to -4.4%)#**	**-10.6% (-19.1% to -0.8%)#**	**-17.0% (-21.9% to -12.1%)#**	**-30.6% (-34.7% to -26.1%)#**	**-29.6% (-41.2% to -16.9%)#**	**-29.5% (-39.3% to -17.9%)#**	**-27.5% (-35.3% to -18.6%)#**	**-26.9% (-30.7% to -22.6%)#**

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Italy	Death #, 1990	2815 (2556 to 3087)	704 (584 to 843)	1133 (961 to 1312)	715 (554 to 902)	512 (501 to 522)	699 (692 to 707)	2405 (2393 to 2417)	4653 (4422 to 4872)	5368 (5228 to 5516)	8984 (8820 to 9156)	3104 (3087 to 3123)
	Death #, 2000	1313 (1098 to 1533)	488 (388 to 595)	661 (510 to 818)	426 (320 to 550)	323 (315 to 332)	419 (412 to 425)	1265 (1258 to 1273)	2462 (2302 to 2600)	2889 (2796 to 2989)	4895 (4781 to 5016)	1684 (1671 to 1697)
	Death #, 2017	614 (480 to 781)	261 (205 to 332)	367 (295 to 456)	248 (218 to 283)	221 (204 to 240)	263 (250 to 276)	579 (547 to 615)	1243 (978 to 1571)	1491 (1197 to 1853)	2555 (2220 to 2957)	842 (800 to 886)
	% change 1990-2017	**-78.2% (-83.3% to -71.5%)#**	**-62.9% (-72.2% to -49.2%)#**	**-67.6% (-74.9% to -58.1%)#**	**-65.2% (-73.2% to -53.5%)#**	**-56.8% (-60.2% to -52.9%)#**	**-62.4% (-64.3% to -60.4%)#**	**-75.9% (-77.2% to -74.5%)#**	**-73.3% (-79.1% to -66.4%)#**	**-72.2% (-77.6% to -65.5%)#**	**-71.6% (-75.2% to -67.1%)#**	**-72.9% (-74.2% to -71.5%)#**
	% change 2000-2017	**-53.2% (-65.2% to -36.9%)#**	**-46.4% (-61.0% to -25.9%)#**	**-44.4% (-59.6% to -21.9%)#**	**-41.8% (-56.1% to -18.5%)#**	**-31.5% (-37.1% to -25.4%)#**	**-37.2% (-40.4% to -33.7%)#**	**-54.2% (-56.8% to -51.4%)#**	**-49.5% (-60.5% to -35.5%)#**	**-48.4% (-58.6% to -36.0%)#**	**-47.8% (-54.7% to -39.6%)#**	**-50.0% (-52.5% to -47.2%)#**
Luxembourg	Death #, 1990	16 (15 to 17)	5 (5 to 7)	15 (12 to 17)	6 (5 to 7)	4 (4 to 5)	3 (3 to 4)	21 (20 to 21)	36 (33 to 40)	42 (38 to 47)	71 (66 to 76)	24 (23 to 25)
	Death #, 2000	10 (9 to 12)	4 (3 to 4)	7 (6 to 8)	5 (4 to 6)	3 (3 to 3)	4 (4 to 5)	12 (12 to 12)	20 (18 to 23)	26 (23 to 29)	45 (41 to 49)	16 (16 to 17)
	Death #, 2017	5 (4 to 7)	2 (2 to 3)	3 (2 to 5)	3 (2 to 3)	2 (2 to 2)	3 (3 to 3)	9 (8 to 9)	11 (8 to 14)	13 (10 to 18)	27 (23 to 32)	12 (11 to 12)
	% change 1990-2017	**-67.9% (-77.5% to -54.5%)#**	**-62.5% (-73.6% to -47.1%)#**	**-76.1% (-83.6% to -65.4%)#**	**-56.5% (-67.3% to -42.3%)#**	**-50.6% (-57.3% to -42.8%)#**	**-17.1% (-24.2% to -9.7%)#**	**-57.5% (-60.9% to -53.7%)#**	**-70.4% (-78.1% to -60.4%)#**	**-68.3% (-76.2% to -58.4%)#**	**-61.6% (-67.5% to -54.5%)#**	**-51.7% (-55.4% to -47.8%)#**
	% change 2000-2017	**-49.4% (-65.3% to -28.4%)#**	**-43.4% (-59.0% to -22.9%)#**	**-48.2% (-64.0% to -25.9%)#**	**-46.3% (-59.8% to -29.6%)#**	**-27.4% (-37.5% to -15.4%)#**	**-33.6% (-39.4% to -27.5%)#**	**-26.5% (-32.4% to -20.2%)#**	**-47.9% (-62.2% to -29.9%)#**	**-47.6% (-61.4% to -30.7%)#**	**-39.3% (-49.0% to -27.4%)#**	**-28.4% (-34.0% to -22.6%)#**
Malta	Death #, 1990	32 (29 to 35)	9 (8 to 10)	11 (9 to 14)	8 (6 to 10)	5 (5 to 6)	3 (3 to 4)	10 (10 to 11)	52 (48 to 57)	60 (55 to 65)	79 (73 to 85)	14 (13 to 14)
	Death #, 2000	17 (15 to 19)	4 (4 to 5)	5 (4 to 6)	6 (5 to 6)	3 (3 to 4)	4 (4 to 4)	11 (11 to 11)	26 (23 to 29)	31 (28 to 35)	50 (46 to 54)	15 (15 to 16)
	Death #, 2017	14 (11 to 16)	4 (2 to 5)	5 (3 to 7)	3 (2 to 3)	2 (2 to 3)	3 (2 to 3)	4 (4 to 5)	22 (18 to 27)	25 (21 to 30)	35 (30 to 40)	7 (7 to 7)
	% change 1990-2017	**-57.0% (-65.2% to -47.7%)#**	**-60.0% (-73.8% to -40.0%)#**	**-56.0% (-71.8% to -33.1%)#**	**-64.4% (-73.3% to -51.5%)#**	**-54.3% (-59.8% to -48.2%)#**	**-24.0% (-29.4% to -18.0%)#**	**-57.1% (-59.3% to -54.8%)#**	**-57.3% (-65.7% to -46.8%)#**	**-58.2% (-66.4% to -47.6%)#**	**-56.3% (-63.2% to -47.8%)#**	**-48.9% (-51.5% to -46.1%)#**
	% change 2000-2017	**-16.9% (-29.1% to -2.1%)#**	-17.1% (-44.6% to 19.8%)	1.6% (-30.9% to 47.5%)	**-51.9% (-61.0% to -41.1%)#**	**-29.8% (-38.1% to -20.7%)#**	**-34.2% (-39.1% to -29.0%)#**	**-60.2% (-62.3% to -58.2%)#**	-13.4% (-29.6% to 4.9%)	**-20.3% (-34.5% to -4.3%)#**	**-31.0% (-40.7% to -20.3%)#**	**-53.4% (-56.0% to -50.8%)#**
Netherlands	Death #, 1990	733 (642 to 818)	190 (158 to 224)	472 (386 to 569)	307 (235 to 392)	161 (156 to 166)	185 (182 to 188)	439 (435 to 443)	1,394 (1,291 to 1,488)	1,702 (1,634 to 1,771)	2,487 (2,409 to 2,568)	624 (618 to 631)
	Death #, 2000	612 (534 to 690)	171 (138 to 209)	285 (235 to 339)	222 (164 to 286)	129 (124 to 133)	144 (142 to 147)	347 (343 to 350)	1,067 (988 to 1,141)	1,289 (1,230 to 1,349)	1,908 (1,843 to 1,979)	491 (485 to 497)
	Death #, 2017	317 (250 to 399)	110 (87 to 139)	143 (114 to 179)	98 (83 to 114)	57 (53 to 63)	79 (74 to 83)	189 (179 to 201)	571 (452 to 717)	668 (535 to 831)	993 (848 to 1,170)	267 (253 to 283)
	% change 1990-2017	**-56.8% (-66.5% to -44.0%)#**	**-41.8% (-56.9% to -21.5%)#**	**-69.6% (-77.3% to -59.2%)#**	**-68.2% (-76.4% to -57.1%)#**	**-64.3% (-67.6% to -60.7%)#**	**-57.5% (-59.9% to -54.8%)#**	**-57.0% (-59.4% to -54.2%)#**	**-59.1% (-67.7% to -48.0%)#**	**-60.7% (-68.7% to -50.8%)#**	**-60.1% (-66.1% to -52.8%)#**	**-57.1% (-59.5% to -54.6%)#**
	% change 2000-2017	**-48.2% (-60.9% to -32.6%)#**	**-35.3% (-52.8% to -11.0%)#**	**-49.6% (-61.9% to -34.0%)#**	**-56.0% (-66.9% to -39.3%)#**	**-55.3% (-59.3% to -50.8%)#**	**-45.5% (-48.8% to -42.2%)#**	**-45.5% (-48.5% to -42.1%)#**	**-46.5% (-58.3% to -32.2%)#**	**-48.1% (-58.4% to -35.5%)#**	**-48.0% (-55.8% to -38.6%)#**	**-45.5% (-48.5% to -42.5%)#**
Norway	Death #, 1990	218 (208 to 228)	67 (64 to 70)	140 (133 to 149)	97 (91 to 104)	52 (51 to 53)	53 (53 to 54)	185 (184 to 187)	425 (411 to 440)	523 (508 to 538)	813 (796 to 831)	239 (237 to 240)
	Death #, 2000	117 (111 to 124)	40 (37 to 43)	65 (61 to 68)	63 (58 to 68)	39 (38 to 40)	34 (33 to 34)	144 (143 to 145)	222 (212 to 231)	285 (276 to 294)	501 (491 to 513)	177 (176 to 179)
	Death #, 2017	65 (60 to 71)	23 (21 to 25)	40 (37 to 43)	26 (24 to 28)	13 (13 to 14)	29 (29 to 30)	83 (82 to 85)	128 (119 to 138)	154 (144 to 165)	280 (268 to 293)	113 (111 to 115)
	% change 1990-2017	**-70.1% (-72.8% to -67.2%)#**	**-65.7% (-68.8% to -62.4%)#**	**-71.5% (-74.0% to -69.0%)#**	**-73.4% (-75.9% to -70.7%)#**	**-74.1% (-75.3% to -72.9%)#**	**-44.6% (-46.1% to -43.1%)#**	**-55.1% (-56.0% to -54.1%)#**	**-69.9% (-72.3% to -67.3%)#**	**-70.5% (-72.9% to -68.2%)#**	**-65.5% (-67.3% to -63.8%)#**	**-52.7% (-53.7% to -51.8%)#**
	% change 2000-2017	**-44.3% (-49.4% to -38.4%)#**	**-42.1% (-47.8% to -35.2%)#**	**-38.3% (-43.2% to -32.9%)#**	**-58.9% (-62.8% to -54.5%)#**	**-65.9% (-67.4% to -64.3%)#**	**-12.8% (-15.0% to -10.4%)#**	**-42.0% (-43.2% to -40.8%)#**	**-42.2% (-46.7% to -37.1%)#**	**-45.9% (-49.8% to -41.6%)#**	**-44.1% (-46.7% to -41.3%)#**	**-36.5% (-37.8% to -35.1%)#**
Portugal	Death #, 1990	650 (580 to 719)	159 (139 to 179)	471 (391 to 553)	368 (283 to 461)	251 (243 to 260)	314 (308 to 320)	800 (793 to 807)	1,280 (1,174 to 1,382)	1,648 (1,581 to 1,719)	3,013 (2,927 to 3,104)	1,113 (1,102 to 1,125)
	Death #, 2000	312 (260 to 368)	105 (88 to 122)	238 (196 to 282)	191 (156 to 230)	127 (122 to 132)	142 (138 to 145)	439 (435 to 444)	655 (605 to 705)	847 (798 to 895)	1,554 (1,492 to 1,614)	581 (574 to 588)
	Death #, 2017	115 (87 to 151)	37 (28 to 49)	79 (61 to 101)	58 (49 to 69)	31 (29 to 34)	49 (46 to 52)	130 (122 to 137)	231 (177 to 301)	289 (226 to 369)	499 (428 to 586)	178 (169 to 188)
	% change 1990-2017	**-82.3% (-86.8% to -76.4%)#**	**-76.5% (-82.7% to -68.0%)#**	**-83.3% (-87.6% to -77.4%)#**	**-84.3% (-88.4% to -78.3%)#**	**-87.6% (-88.7% to -86.2%)#**	**-84.5% (-85.5% to -83.5%)#**	**-83.8% (-84.7% to -82.8%)#**	**-81.9% (-86.2% to -76.5%)#**	**-82.5% (-86.3% to -77.6%)#**	**-83.5% (-85.8% to -80.5%)#**	**-84.0% (-84.9% to -83.1%)#**
	% change 2000-2017	**-63.1% (-73.7% to -49.2%)#**	**-64.3% (-74.5% to -51.0%)#**	**-67.0% (-75.3% to -55.2%)#**	**-69.8% (-76.6% to -60.7%)#**	**-75.3% (-77.6% to -72.6%)#**	**-65.7% (-67.7% to -63.3%)#**	**-70.5% (-72.2% to -68.7%)#**	**-64.7% (-73.4% to -53.4%)#**	**-65.8% (-73.3% to -55.9%)#**	**-67.9% (-72.5% to -61.9%)#**	**-69.3% (-71.0% to -67.6%)#**
Spain	Death #, 1990	1,452 (1,265 to 1,648)	531 (452 to 617)	1,006 (808 to 1,236)	699 (539 to 888)	571 (559 to 584)	761 (752 to 770)	2,136 (2,125 to 2,148)	2,990 (2,789 to 3,172)	3,689 (3,584 to 3,798)	7,157 (7,028 to 7,297)	2,897 (2,878 to 2,918)
	Death #, 2000	747 (635 to 860)	381 (328 to 434)	598 (454 to 757)	388 (293 to 496)	292 (283 to 301)	362 (357 to 368)	1,168 (1,160 to 1,175)	1,726 (1,593 to 1,859)	2,115 (2,033 to 2,203)	3,936 (3,838 to 4,046)	1,530 (1,518 to 1,542)
	Death #, 2017	475 (387 to 582)	243 (199 to 297)	363 (305 to 430)	236 (206 to 269)	177 (163 to 193)	189 (179 to 199)	391 (371 to 411)	1,080 (891 to 1,309)	1,316 (1,097 to 1,579)	2,073 (1,828 to 2,357)	580 (552 to 607)
	% change 1990-2017	**-67.3% (-74.3% to -58.6%)#**	**-54.3% (-64.1% to -41.2%)#**	**-64.0% (-72.0% to -51.8%)#**	**-66.3% (-74.4% to -55.3%)#**	**-69.0% (-71.5% to -66.0%)#**	**-75.2% (-76.5% to -73.9%)#**	**-81.7% (-82.6% to -80.7%)#**	**-63.9% (-70.3% to -55.8%)#**	**-64.3% (-70.2% to -57.3%)#**	**-71.0% (-74.4% to -66.9%)#**	**-80.0% (-81.0% to -79.0%)#**
	% change 2000-2017	**-36.5% (-51.6% to -18.2%)#**	**-36.2% (-50.4% to -18.5%)#**	**-39.4% (-54.8% to -17.3%)#**	**-39.3% (-53.3% to -18.2%)#**	**-39.2% (-44.3% to -33.1%)#**	**-47.9% (-50.7% to -45.0%)#**	**-66.5% (-68.2% to -64.8%)#**	**-37.4% (-49.4% to -22.9%)#**	**-37.8% (-48.2% to -24.9%)#**	**-47.3% (-53.7% to -39.8%)#**	**-62.1% (-63.9% to -60.3%)#**
Sweden	Death #, 1990	355 (322 to 389)	91 (82 to 100)	263 (226 to 308)	121 (101 to 144)	69 (67 to 72)	79 (77 to 80)	260 (257 to 263)	709 (669 to 748)	830 (795 to 868)	1238 (1197 to 1282)	339 (335 to 343)
	Death #, 2000	150 (141 to 159)	47 (43 to 51)	98 (77 to 124)	62 (50 to 76)	60 (57 to 62)	73 (72 to 75)	166 (165 to 168)	295 (273 to 317)	357 (338 to 376)	656 (632 to 681)	240 (236 to 243)
	Death #, 2017	132 (113 to 155)	44 (38 to 52)	93 (80 to 108)	54 (49 to 61)	46 (43 to 50)	44 (42 to 46)	107 (101 to 113)	269 (231 to 315)	324 (279 to 376)	521 (469 to 580)	151 (144 to 159)
	% change 1990-2017	**-62.7% (-69.3% to -54.8%)#**	**-51.4% (-59.9% to -41.0%)#**	**-64.8% (-72.1% to -56.0%)#**	**-54.9% (-62.9% to -44.0%)#**	**-32.9% (-38.1% to -27.1%)#**	**-44.1% (-46.8% to -41.1%)#**	**-59.0% (-61.2% to -56.7%)#**	**-62.0% (-68.0% to -55.0%)#**	**-61.0% (-66.7% to -54.1%)#**	**-57.9% (-62.4% to -52.9%)#**	**-55.6% (-57.6% to -53.3%)#**
	% change 2000-2017	-11.6% (-26.5% to 4.6%)	-5.6% (-21.8% to 12.8%)	-5.8% (-27.0% to 25.4%)	-12.2% (-30.9% to 13.2%)	**-22.1% (-28.6% to -15.5%)#**	**-40.0% (-43.0% to -36.8%)#**	**-36.0% (-39.4% to -32.4%)#**	-8.7% (-23.1% to 8.3%)	-9.3% (-22.8% to 6.0%)	**-20.7% (-29.2% to -11.3%)#**	**-37.2% (-40.2% to -34.0%)#**
Stockholm	Death #, 1990	72 (62 to 84)	18 (16 to 21)	58 (47 to 72)	26 (20 to 33)	13 (12 to 15)	14 (13 to 15)	49 (48 to 51)	149 (133 to 166)	175 (157 to 194)	252 (232 to 273)	63 (62 to 65)
	Death #, 2000	33 (29 to 37)	12 (10 to 13)	24 (17 to 33)	15 (11 to 19)	15 (14 to 16)	13 (13 to 14)	32 (31 to 32)	69 (61 to 76)	84 (76 to 91)	144 (135 to 154)	45 (44 to 46)
	Death #, 2017	27 (23 to 33)	10 (9 to 13)	21 (18 to 26)	13 (12 to 16)	17 (15 to 19)	10 (9 to 11)	23 (21 to 24)	59 (49 to 72)	73 (60 to 87)	122 (108 to 140)	33 (30 to 35)
	% change 1990-2017	**-62.1% (-70.4% to -51.2%)#**	**-43.3% (-55.4% to -26.8%)#**	**-63.6% (-73.1% to -51.6%)#**	**-48.1% (-59.6% to -31.2%)#**	**27.2% (12.2% to 45.0%)#**	**-27.9% (-33.1% to -22.1%)#**	**-54.4% (-57.8% to -50.9%)#**	**-60.4% (-68.5% to -50.1%)#**	**-58.5% (-66.4% to -48.5%)#**	**-51.5% (-58.2% to -43.1%)#**	**-48.5% (-51.9% to -44.9%)#**

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 2000-2017	-17.2% (-34.0% to 4.2%)	-9.8% (-28.7% to 15.2%)	-11.5% (-37.3% to 31.4%)	-9.9% (-33.3% to 24.0%)	10.3% (-1.5% to 24.1%)	**-24.7% (-29.6% to -18.9%)#**	**-29.1% (-34.2% to -23.7%)#**	-14.0% (-30.5% to 7.0%)	-13.2% (-28.5% to 5.8%)	**-15.3% (-26.0% to -2.1%)#**	**-27.8% (-32.6% to -22.6%)#**
Sweden w/o Stockholm	Death #, 1990	282 (249 to 314)	73 (64 to 81)	205 (168 to 247)	95 (76 to 115)	56 (54 to 58)	65 (64 to 66)	211 (208 to 214)	560 (524 to 596)	655 (622 to 687)	986 (949 to 1,023)	276 (272 to 280)
	Death #, 2000	116 (108 to 125)	35 (32 to 39)	75 (53 to 98)	47 (36 to 61)	44 (42 to 47)	60 (58 to 62)	135 (133 to 136)	226 (205 to 247)	273 (254 to 292)	512 (488 to 537)	195 (192 to 198)
	Death #, 2017	105 (86 to 128)	34 (28 to 41)	72 (59 to 86)	41 (35 to 47)	29 (27 to 32)	34 (32 to 36)	84 (79 to 90)	210 (173 to 255)	251 (208 to 303)	399 (350 to 456)	118 (112 to 125)
	% change 1990-2017	**-62.9% (-70.5% to -53.0%)#**	**-53.5% (-63.1% to -41.0%)#**	**-65.1% (-73.9% to -54.0%)#**	**-56.8% (-66.2% to -43.1%)#**	**-47.3% (-52.7% to -41.4%)#**	**-47.6% (-50.6% to -44.1%)#**	**-60.1% (-62.6% to -57.4%)#**	**-62.5% (-69.7% to -53.8%)#**	**-61.6% (-68.4% to -53.6%)#**	**-59.6% (-64.9% to -53.5%)#**	**-57.2% (-59.6% to -54.5%)#**
	% change 2000-2017	-10.1% (-28.3% to 11.0%)	-4.2% (-24.1% to 20.4%)	-3.9% (-30.7% to 39.5%)	-12.9% (-35.8% to 18.6%)	**-33.5% (-40.6% to -25.3%)#**	**-43.4% (-46.9% to -40.0%)#**	**-37.6% (-41.7% to -33.4%)#**	-7.1% (-25.2% to 14.7%)	-8.1% (-24.6% to 12.2%)	**-22.2% (-32.3% to -10.3%)#**	**-39.4% (-42.9% to -35.6%)#**
Switzerland	Death #, 1990	294 (256 to 332)	63 (52 to 76)	225 (187 to 264)	120 (92 to 153)	71 (68 to 74)	72 (70 to 74)	283 (279 to 286)	582 (536 to 627)	703 (665 to 744)	1,129 (1,085 to 1,176)	355 (350 to 360)
	Death #, 2000	230 (199 to 265)	42 (34 to 51)	99 (76 to 122)	81 (60 to 105)	47 (44 to 49)	67 (65 to 69)	173 (171 to 176)	371 (338 to 406)	452 (424 to 483)	740 (706 to 775)	241 (237 to 244)
	Death #, 2017	193 (148 to 249)	29 (22 to 38)	61 (48 to 77)	45 (38 to 53)	25 (22 to 27)	32 (31 to 34)	91 (85 to 96)	283 (218 to 365)	328 (256 to 418)	475 (398 to 571)	123 (116 to 130)
	% change 1990-2017	**-34.5% (-50.9% to -12.1%)#**	**-53.9% (-66.5% to -37.0%)#**	**-73.0% (-80.0% to -63.5%)#**	**-62.9% (-72.5% to -49.8%)#**	**-65.3% (-68.9% to -61.2%)#**	**-55.1% (-57.8% to -52.1%)#**	**-67.9% (-69.8% to -65.9%)#**	**-51.4% (-62.8% to -36.2%)#**	**-53.4% (-63.7% to -41.1%)#**	**-57.9% (-64.8% to -49.3%)#**	**-65.3% (-67.2% to -63.3%)#**
	% change 2000-2017	-16.2% (-38.7% to 13.7%)	**-30.4% (-50.8% to -1.2%)#**	**-38.5% (-55.1% to -14.9%)#**	**-45.1% (-58.7% to -22.0%)#**	**-47.3% (-52.8% to -40.7%)#**	**-51.7% (-54.7% to -48.3%)#**	**-47.6% (-51.0% to -44.4%)#**	-23.8% (-42.1% to 0.2%)	**-27.6% (-43.7% to -7.2%)#**	**-35.7% (-46.3% to -22.5%)#**	**-48.8% (-51.6% to -45.8%)#**
UK	Death #, 1990	2,899 (2,825 to 2,978)	818 (796 to 843)	2,446 (2,384 to 2,514)	1,148 (1,092 to 1,212)	655 (650 to 660)	683 (680 to 686)	2,030 (2,025 to 2,035)	6,164 (6,079 to 6,248)	7,312 (7,235 to 7,383)	10,681 (10,597 to 10,758)	2,714 (2,706 to 2,721)
	Death #, 2000	1,915 (1,877 to 1,956)	593 (576 to 611)	1,203 (1,167 to 1,249)	697 (667 to 732)	452 (448 to 457)	548 (544 to 551)	1,509 (1,502 to 1,516)	3,711 (3,654 to 3,774)	4,409 (4,349 to 4,472)	6,918 (6,846 to 6,990)	2,057 (2,047 to 2,066)
	Death #, 2017	1,604 (1,548 to 1,664)	503 (485 to 521)	905 (871 to 943)	509 (495 to 523)	287 (281 to 294)	330 (327 to 334)	880 (869 to 890)	3,011 (2,910 to 3,114)	3,520 (3,408 to 3,636)	5,017 (4,890 to 5,146)	1,210 (1,197 to 1,223)
	% change 1990-2017	**-44.7% (-47.1% to -42.0%)#**	**-38.5% (-41.2% to -35.6%)#**	**-63.0% (-64.8% to -61.2%)#**	**-55.7% (-58.2% to -53.0%)#**	**-56.1% (-57.1% to -55.1%)#**	**-51.7% (-52.2% to -51.0%)#**	**-56.7% (-57.2% to -56.1%)#**	**-51.1% (-52.9% to -49.4%)#**	**-51.9% (-53.5% to -50.2%)#**	**-53.0% (-54.2% to -51.7%)#**	**-55.4% (-55.9% to -54.9%)#**
	% change 2000-2017	**-16.3% (-19.5% to -12.6%)#**	**-15.2% (-19.1% to -10.9%)#**	**-24.8% (-28.6% to -20.8%)#**	**-27.0% (-30.9% to -23.1%)#**	**-36.5% (-38.0% to -34.9%)#**	**-39.7% (-40.5% to -39.0%)#**	**-41.7% (-42.5% to -41.0%)#**	**-18.9% (-21.8% to -15.8%)#**	**-20.1% (-22.9% to -17.3%)#**	**-27.5% (-29.4% to -25.5%)#**	**-41.2% (-41.9% to -40.5%)#**
England	Death #, 1990	2,431 (2,390 to 2,477)	688 (673 to 701)	2,075 (2,032 to 2,117)	941 (915 to 968)	537 (533 to 541)	538 (536 to 540)	1,651 (1,648 to 1,654)	5,194 (5,135 to 5,252)	6,135 (6,077 to 6,191)	8,862 (8,796 to 8,922)	2,189 (2,184 to 2,194)
	Death #, 2000	1,618 (1,592 to 1,644)	498 (488 to 509)	1,018 (998 to 1,038)	586 (570 to 602)	372 (369 to 375)	444 (442 to 446)	1,186 (1,182 to 1,190)	3,134 (3,093 to 3,176)	3,720 (3,675 to 3,765)	5,722 (5,671 to 5,772)	1,630 (1,625 to 1,635)
	Death #, 2017	1,374 (1,337 to 1,416)	433 (421 to 445)	783 (765 to 802)	439 (431 to 447)	235 (232 to 237)	278 (277 to 280)	695 (690 to 701)	2,589 (2,525 to 2,654)	3,027 (2,959 to 3,099)	4,235 (4,163 to 4,314)	974 (967 to 980)
	% change 1990-2017	**-43.5% (-45.4% to -41.5%)#**	**-37.1% (-39.2% to -34.9%)#**	**-62.3% (-63.5% to -61.1%)#**	**-53.4% (-55.1% to -51.8%)#**	**-56.3% (-56.9% to -55.8%)#**	**-48.3% (-48.7% to -47.9%)#**	**-57.9% (-58.2% to -57.6%)#**	**-50.2% (-51.5% to -48.8%)#**	**-50.7% (-51.9% to -49.4%)#**	**-52.2% (-53.1% to -51.3%)#**	**-55.5% (-55.8% to -55.2%)#**
	% change 2000-2017	**-15.1% (-17.9% to -12.1%)#**	**-13.2% (-16.0% to -10.2%)#**	**-23.1% (-25.3% to -20.6%)#**	**-25.1% (-27.4% to -22.6%)#**	**-36.9% (-37.8% to -36.1%)#**	**-37.4% (-37.8% to -36.8%)#**	**-41.4% (-41.8% to -40.9%)#**	**-17.4% (-19.6% to -14.9%)#**	**-18.6% (-20.6% to -16.4%)#**	**-26.0% (-27.4% to -24.5%)#**	**-40.3% (-40.7% to -39.8%)#**
E Midlands	Death #, 1990	214 (199 to 229)	56 (52 to 60)	170 (157 to 182)	77 (69 to 86)	45 (44 to 46)	44 (43 to 44)	171 (169 to 172)	439 (422 to 457)	516 (500 to 533)	776 (758 to 794)	214 (213 to 216)
	Death #, 2000	137 (130 to 146)	42 (39 to 46)	79 (74 to 85)	48 (43 to 54)	34 (33 to 35)	34 (34 to 35)	121 (120 to 123)	259 (247 to 272)	307 (294 to 320)	496 (482 to 511)	156 (154 to 157)
	Death #, 2017	124 (113 to 136)	36 (33 to 40)	62 (56 to 68)	33 (31 to 36)	16 (15 to 17)	24 (23 to 24)	66 (64 to 68)	222 (204 to 243)	255 (236 to 277)	361 (340 to 384)	89 (87 to 92)
	% change 1990-2017	**-42.1% (-48.7% to -34.6%)#**	**-35.0% (-42.7% to -26.1%)#**	**-63.6% (-67.8% to -59.0%)#**	**-56.8% (-62.4% to -50.8%)#**	**-64.4% (-66.2% to -62.4%)#**	**-46.2% (-47.7% to -44.5%)#**	**-61.4% (-62.5% to -60.3%)#**	**-49.5% (-53.9% to -44.2%)#**	**-50.6% (-54.6% to -45.6%)#**	**-53.5% (-56.5% to -50.1%)#**	**-58.3% (-59.4% to -57.2%)#**
	% change 2000-2017	-9.9% (-18.8% to 1.0%)	**-14.3% (-23.6% to -3.0%)#**	**-21.7% (-30.6% to -10.8%)#**	**-31.1% (-38.7% to -23.3%)#**	**-52.6% (-55.0% to -49.7%)#**	**-31.5% (-33.6% to -29.2%)#**	**-45.7% (-47.2% to -44.1%)#**	**-14.2% (-21.8% to -4.4%)#**	**-16.9% (-24.0% to -8.2%)#**	**-27.4% (-31.9% to -21.7%)#**	**-42.6% (-44.1% to -41.0%)#**
E England	Death #, 1990	207 (193 to 222)	59 (55 to 64)	167 (155 to 179)	83 (74 to 92)	49 (48 to 50)	66 (65 to 67)	174 (172 to 175)	433 (416 to 452)	517 (500 to 535)	805 (786 to 826)	240 (238 to 242)
	Death #, 2000	143 (135 to 152)	42 (39 to 46)	86 (80 to 93)	55 (49 to 61)	35 (34 to 36)	38 (37 to 38)	128 (127 to 130)	272 (259 to 284)	327 (314 to 341)	528 (512 to 543)	166 (164 to 168)
	Death #, 2017	130 (119 to 143)	36 (33 to 40)	66 (61 to 72)	42 (39 to 45)	25 (24 to 26)	25 (25 to 26)	66 (65 to 68)	233 (215 to 252)	275 (255 to 296)	391 (369 to 414)	91 (89 to 94)
	% change 1990-2017	**-37.3% (-44.4% to -29.4%)#**	**-38.4% (-45.5% to -30.1%)#**	**-60.2% (-64.4% to -55.6%)#**	**-49.7% (-55.6% to -41.9%)#**	**-49.3% (-51.5% to -47.0%)#**	**-61.8% (-62.8% to -60.8%)#**	**-61.9% (-62.9% to -60.8%)#**	**-46.3% (-51.1% to -41.3%)#**	**-46.9% (-51.0% to -42.6%)#**	**-51.5% (-54.3% to -48.5%)#**	**-61.9% (-62.8% to -60.8%)#**
	% change 2000-2017	-9.2% (-17.8% to 1.2%)	**-14.0% (-24.0% to -3.5%)#**	**-23.1% (-32.1% to -13.5%)#**	**-23.9% (-31.1% to -15.1%)#**	**-29.4% (-32.8% to -25.7%)#**	**-32.9% (-35.0% to -30.8%)#**	**-48.5% (-49.8% to -46.8%)#**	**-14.4% (-21.5% to -6.3%)#**	**-16.0% (-22.7% to -8.5%)#**	**-26.0% (-30.4% to -21.0%)#**	**-44.9% (-46.3% to -43.3%)#**
Greater London	Death #, 1990	384 (371 to 396)	122 (117 to 127)	367 (353 to 382)	157 (148 to 167)	76 (75 to 77)	54 (53 to 54)	192 (191 to 193)	873 (854 to 892)	1,031 (1,010 to 1,051)	1,352 (1,330 to 1,374)	246 (245 to 247)
	Death #, 2000	296 (288 to 305)	96 (93 to 100)	215 (208 to 223)	106 (100 to 111)	55 (54 to 56)	70 (69 to 70)	148 (147 to 149)	608 (593 to 622)	714 (698 to 730)	987 (969 to 1,004)	218 (216 to 219)
	Death #, 2017	224 (214 to 234)	74 (71 to 78)	153 (147 to 159)	87 (84 to 89)	44 (43 to 45)	43 (43 to 44)	90 (89 to 91)	451 (433 to 471)	538 (519 to 559)	715 (694 to 739)	133 (132 to 135)
	% change 1990-2017	**-41.6% (-44.8% to -38.2%)#**	**-39.2% (-42.6% to -35.1%)#**	**-58.4% (-60.7% to -56.1%)#**	**-44.9% (-48.4% to -41.1%)#**	**-41.6% (-42.7% to -40.3%)#**	**-19.5% (-20.5% to -18.5%)#**	**-53.0% (-53.8% to -52.3%)#**	**-48.4% (-50.6% to -45.9%)#**	**-47.8% (-49.9% to -45.7%)#**	**-47.1% (-48.8% to -45.3%)#**	**-45.7% (-46.4% to -45.0%)#**
	% change 2000-2017	**-24.5% (-28.4% to -20.1%)#**	**-22.8% (-27.1% to -18.2%)#**	**-29.1% (-32.5% to -25.1%)#**	**-17.9% (-23.0% to -12.5%)#**	**-19.9% (-21.7% to -18.1%)#**	**-38.0% (-38.9% to -37.1%)#**	**-39.1% (-40.0% to -38.1%)#**	**-25.8% (-29.2% to -22.2%)#**	**-24.7% (-27.7% to -21.4%)#**	**-27.5% (-29.8% to -25.0%)#**	**-38.7% (-39.6% to -37.9%)#**
NE England	Death #, 1990	131 (123 to 141)	40 (37 to 43)	123 (116 to 131)	54 (49 to 60)	35 (35 to 36)	33 (33 to 34)	83 (82 to 83)	295 (283 to 306)	349 (338 to 360)	500 (487 to 513)	116 (115 to 117)
	Death #, 2000	77 (73 to 82)	26 (24 to 28)	56 (52 to 60)	30 (27 to 33)	21 (20 to 22)	25 (24 to 25)	59 (58 to 60)	159 (152 to 166)	189 (182 to 197)	294 (286 to 303)	84 (83 to 85)
	Death #, 2017	51 (46 to 55)	20 (18 to 22)	35 (32 to 38)	19 (18 to 21)	9 (8 to 9)	13 (13 to 13)	36 (35 to 37)	106 (98 to 113)	125 (117 to 134)	183 (174 to 192)	49 (48 to 50)
	% change 1990-2017	**-61.6% (-65.7% to -57.1%)#**	**-50.4% (-56.0% to -44.2%)#**	**-71.5% (-74.4% to -68.5%)#**	**-63.9% (-68.2% to -58.8%)#**	**-75.8% (-76.8% to -74.9%)#**	**-61.2% (-62.1% to -60.2%)#**	**-56.0% (-57.2% to -54.8%)#**	**-64.2% (-67.0% to -61.2%)#**	**-64.2% (-66.8% to -61.4%)#**	**-63.4% (-65.5% to -61.3%)#**	**-57.5% (-58.5% to -56.4%)#**
	% change 2000-2017	**-34.6% (-41.4% to -27.2%)#**	**-23.6% (-32.2% to -14.1%)#**	**-37.3% (-43.8% to -30.4%)#**	**-35.4% (-41.1% to -28.8%)#**	**-59.1% (-60.8% to -57.5%)#**	**-47.8% (-49.1% to -46.5%)#**	**-38.5% (-40.2% to -36.7%)#**	**-33.8% (-39.2% to -28.0%)#**	**-34.0% (-38.9% to -28.8%)#**	**-37.9% (-41.2% to -34.2%)#**	**-41.3% (-42.8% to -39.7%)#**
NW England	Death #, 1990	343 (328 to 357)	93 (88 to 98)	315 (300 to 331)	144 (134 to 155)	88 (86 to 90)	87 (86 to 88)	230 (229 to 231)	751 (729 to 772)	895 (873 to 917)	1,300 (1,276 to 1,325)	317 (315 to 319)
	Death #, 2000	228 (219 to 238)	74 (70 to 77)	154 (147 to 163)	86 (81 to 92)	58 (57 to 59)	66 (65 to 67)	193 (191 to 195)	456 (440 to 474)	542 (525 to 561)	859 (839 to 880)	259 (257 to 261)
	Death #, 2017	193 (181 to 206)	67 (63 to 72)	126 (119 to 134)	67 (64 to 70)	34 (33 to 35)	46 (45 to 47)	112 (110 to 114)	386 (363 to 412)	453 (428 to 480)	644 (618 to 674)	158 (155 to 160)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 1990-2017	**-43.8% (-48.0% to -39.3%)#**	**-27.6% (-33.3% to -21.2%)#**	**-60.1% (-63.1% to -56.8%)#**	**-53.7% (-57.5% to -49.2%)#**	**-61.3% (-62.5% to -59.9%)#**	**-47.1% (-48.1% to -46.0%)#**	**-51.5% (-52.4% to -50.5%)#**	**-48.6% (-51.8% to -45.0%)#**	**-49.5% (-52.4% to -46.2%)#**	**-50.5% (-52.6% to -48.1%)#**	**-50.3% (-51.1% to -49.4%)#**
	% change 2000-2017	**-15.5% (-22.1% to -8.2%)#**	**-8.6% (-16.3% to -0.2%)#**	**-18.6% (-24.4% to -12.4%)#**	**-22.7% (-29.0% to -15.4%)#**	**-41.2% (-43.2% to -39.0%)#**	**-30.4% (-31.9% to -28.8%)#**	**-42.2% (-43.3% to -40.9%)#**	**-15.4% (-21.4% to -9.4%)#**	**-16.6% (-22.0% to -10.9%)#**	**-25.0% (-28.6% to -21.4%)#**	**-39.2% (-40.3% to -37.9%)#**
SE England	Death #, 1990	327 (312 to 343)	96 (90 to 101)	270 (254 to 286)	126 (115 to 137)	76 (74 to 77)	82 (81 to 83)	259 (258 to 261)	693 (673 to 713)	819 (797 to 841)	1,236 (1,211 to 1,261)	341 (339 to 344)
	Death #, 2000	197 (188 to 206)	64 (60 to 68)	117 (110 to 123)	74 (69 to 79)	55 (54 to 56)	66 (65 to 67)	169 (167 to 170)	378 (363 to 392)	451 (435 to 467)	741 (723 to 760)	234 (232 to 237)
	Death #, 2017	181 (168 to 194)	53 (49 to 56)	91 (85 to 98)	57 (54 to 59)	29 (28 to 30)	36 (36 to 37)	99 (97 to 101)	325 (303 to 347)	381 (357 to 405)	546 (520 to 571)	135 (133 to 138)
	% change 1990-2017	**-44.8% (-49.6% to -40.2%)#**	**-44.8% (-50.0% to -39.4%)#**	**-66.2% (-69.1% to -63.1%)#**	**-55.1% (-59.3% to -50.2%)#**	**-61.3% (-62.7% to -59.9%)#**	**-55.6% (-56.6% to -54.7%)#**	**-61.8% (-62.6% to -60.9%)#**	**-53.2% (-56.6% to -49.7%)#**	**-53.5% (-56.7% to -50.4%)#**	**-55.8% (-58.1% to -53.6%)#**	**-60.3% (-61.1% to -59.4%)#**
	% change 2000-2017	**-8.2% (-15.6% to -0.1%)#**	**-17.6% (-24.8% to -9.6%)#**	**-21.9% (-27.8% to -14.9%)#**	**-23.3% (-30.4% to -16.1%)#**	**-46.7% (-48.9% to -44.5%)#**	**-44.8% (-46.2% to -43.5%)#**	**-41.2% (-42.5% to -39.7%)#**	**-14.0% (-20.4% to -7.2%)#**	**-15.6% (-21.4% to -9.4%)#**	**-26.3% (-30.1% to -22.2%)#**	**-42.2% (-43.5% to -40.9%)#**
SW England	Death #, 1990	189 (178 to 200)	55 (51 to 58)	167 (158 to 176)	72 (66 to 79)	51 (50 to 52)	43 (43 to 43)	181 (180 to 182)	411 (397 to 424)	483 (470 to 495)	758 (744 to 772)	224 (223 to 226)
	Death #, 2000	126 (120 to 133)	38 (36 to 40)	76 (72 to 81)	47 (43 to 51)	31 (30 to 32)	41 (40 to 41)	109 (108 to 110)	240 (231 to 249)	287 (277 to 297)	468 (457 to 480)	150 (148 to 151)
	Death #, 2017	103 (94 to 112)	33 (30 to 35)	58 (54 to 63)	34 (32 to 36)	20 (19 to 21)	24 (24 to 25)	69 (68 to 71)	194 (179 to 208)	227 (212 to 243)	341 (324 to 358)	94 (92 to 96)
	% change 1990-2017	**-45.7% (-51.4% to -39.7%)#**	**-40.5% (-46.9% to -33.6%)#**	**-64.9% (-68.2% to -61.6%)#**	**-53.5% (-58.3% to -48.3%)#**	**-61.1% (-62.7% to -59.5%)#**	**-43.4% (-44.8% to -42.0%)#**	**-61.7% (-62.6% to -60.9%)#**	**-52.8% (-56.7% to -48.8%)#**	**-52.9% (-56.4% to -49.2%)#**	**-55.0% (-57.4% to -52.5%)#**	**-58.2% (-59.1% to -57.3%)#**
	% change 2000-2017	**-18.8% (-26.9% to -10.4%)#**	**-14.1% (-22.9% to -4.7%)#**	**-23.0% (-30.4% to -15.4%)#**	**-28.5% (-34.9% to -21.8%)#**	**-36.3% (-39.2% to -33.2%)#**	**-40.1% (-41.7% to -38.4%)#**	**-36.3% (-37.8% to -34.8%)#**	**-19.4% (-26.2% to -12.4%)#**	**-20.9% (-27.0% to -14.6%)#**	**-27.2% (-31.3% to -23.0%)#**	**-37.4% (-38.8% to -35.9%)#**
W Midlands	Death #, 1990	379 (361 to 398)	86 (81 to 92)	253 (237 to 271)	122 (111 to 135)	59 (58 to 60)	68 (67 to 69)	195 (193 to 196)	719 (693 to 745)	841 (816 to 865)	1,162 (1,135 to 1,189)	262 (261 to 264)
	Death #, 2000	234 (222 to 247)	57 (53 to 61)	109 (101 to 117)	65 (60 to 72)	40 (39 to 42)	54 (53 to 55)	131 (129 to 132)	400 (382 to 419)	466 (445 to 486)	691 (668 to 714)	185 (183 to 187)
	Death #, 2017	246 (224 to 271)	65 (59 to 71)	106 (98 to 115)	53 (50 to 57)	32 (31 to 33)	35 (35 to 36)	78 (77 to 80)	417 (382 to 457)	471 (434 to 512)	616 (578 to 660)	114 (112 to 116)
	% change 1990-2017	**-35.1% (-41.4% to -27.3%)#**	**-24.6% (-32.3% to -15.0%)#**	**-58.0% (-62.6% to -53.2%)#**	**-56.2% (-61.0% to -50.9%)#**	**-46.5% (-48.4% to -44.5%)#**	**-47.8% (-49.0% to -46.6%)#**	**-59.7% (-60.6% to -58.7%)#**	**-41.9% (-47.4% to -35.8%)#**	**-44.0% (-48.7% to -38.6%)#**	**-47.0% (-50.6% to -43.0%)#**	**-56.6% (-57.5% to -55.6%)#**
	% change 2000-2017	5.0% (-6.2% to 18.9%)	**14.0% (1.3% to 29.1%)#**	-2.3% (-11.8% to 9.5%)	**-18.3% (-27.9% to -8.3%)#**	**-21.8% (-24.8% to -18.6%)#**	**-34.4% (-36.0% to -32.8%)#**	**-39.9% (-41.4% to -38.4%)#**	4.3% (-5.8% to 16.6%)	1.1% (-8.2% to 11.8%)	**-10.8% (-17.2% to -3.5%)#**	**-38.3% (-39.7% to -36.9%)#**
Yorkshire & Humber	Death #, 1990	256 (245 to 269)	81 (77 to 86)	243 (229 to 258)	105 (97 to 114)	58 (57 to 59)	62 (61 to 62)	167 (166 to 168)	581 (563 to 599)	686 (667 to 706)	973 (952 to 995)	229 (227 to 231)
	Death #, 2000	179 (171 to 187)	59 (56 to 62)	125 (118 to 133)	74 (68 to 80)	42 (41 to 43)	51 (51 to 52)	128 (127 to 129)	363 (349 to 377)	437 (421 to 452)	658 (640 to 675)	179 (177 to 181)
	Death #, 2017	124 (114 to 133)	48 (45 to 52)	85 (79 to 91)	47 (44 to 49)	26 (25 to 27)	31 (31 to 32)	78 (76 to 80)	257 (239 to 275)	303 (284 to 324)	439 (418 to 461)	109 (107 to 112)
	% change 1990-2017	**-51.8% (-55.9% to -47.1%)#**	**-40.9% (-46.4% to -35.2%)#**	**-65.2% (-68.2% to -61.6%)#**	**-55.5% (-60.0% to -50.7%)#**	**-55.2% (-56.9% to -53.5%)#**	**-49.2% (-50.3% to -48.1%)#**	**-53.3% (-54.3% to -52.2%)#**	**-55.8% (-59.2% to -52.3%)#**	**-55.8% (-58.9% to -52.5%)#**	**-54.9% (-57.3% to -52.4%)#**	**-52.2% (-53.2% to -51.1%)#**
	% change 2000-2017	**-30.7% (-36.9% to -23.9%)#**	**-18.2% (-25.3% to -10.1%)#**	**-32.4% (-38.1% to -26.1%)#**	**-36.9% (-43.2% to -30.2%)#**	**-38.3% (-40.8% to -35.7%)#**	**-39.0% (-40.4% to -37.5%)#**	**-38.8% (-40.3% to -37.4%)#**	**-29.3% (-34.8% to -23.4%)#**	**-30.6% (-35.7% to -25.0%)#**	**-33.3% (-36.9% to -29.3%)#**	**-38.9% (-40.2% to -37.5%)#**
N Ireland	Death #, 1990	102 (82 to 128)	25 (20 to 31)	79 (66 to 92)	47 (33 to 67)	29 (28 to 30)	32 (31 to 33)	84 (82 to 85)	206 (184 to 234)	253 (237 to 273)	398 (378 to 421)	116 (113 to 118)
	Death #, 2000	74 (64 to 86)	16 (13 to 19)	31 (24 to 39)	22 (15 to 33)	19 (18 to 21)	21 (20 to 22)	69 (67 to 71)	121 (108 to 137)	143 (130 to 157)	252 (235 to 270)	90 (87 to 93)
	Death #, 2017	77 (61 to 98)	14 (11 to 17)	23 (16 to 32)	15 (12 to 19)	10 (8 to 11)	11 (10 to 12)	37 (34 to 41)	114 (92 to 142)	129 (103 to 160)	187 (157 to 221)	48 (44 to 52)
	% change 1990-2017	-24.6% (-44.8% to 3.7%)	**-45.2% (-60.3% to -23.9%)#**	**-70.7% (-80.5% to -58.0%)#**	**-68.0% (-78.9% to -50.1%)#**	**-66.7% (-71.8% to -60.7%)#**	**-67.2% (-70.4% to -63.7%)#**	**-55.1% (-59.0% to -51.0%)#**	**-44.7% (-56.8% to -29.9%)#**	**-49.0% (-59.5% to -36.0%)#**	**-53.1% (-60.7% to -43.9%)#**	**-58.5% (-61.8% to -54.9%)#**
	% change 2000-2017	3.9% (-18.3% to 33.0%)	-12.3% (-38.0% to 21.7%)	-26.1% (-53.1% to 15.5%)	-32.7% (-57.4% to 10.0%)	**-49.9% (-58.1% to -38.9%)#**	**-50.1% (-55.1% to -43.9%)#**	**-45.4% (-50.3% to -40.1%)#**	-5.9% (-26.4% to 21.3%)	-10.1% (-28.9% to 15.2%)	**-26.1% (-37.6% to -10.8%)#**	**-46.5% (-51.2% to -41.7%)#**
Scotland	Death #, 1990	240 (193 to 299)	69 (54 to 87)	194 (150 to 240)	104 (66 to 150)	54 (51 to 56)	78 (76 to 80)	196 (194 to 199)	503 (450 to 560)	607 (569 to 646)	935 (891 to 979)	274 (270 to 279)
	Death #, 2000	140 (117 to 169)	51 (39 to 65)	97 (71 to 134)	56 (37 to 82)	40 (37 to 43)	52 (50 to 54)	168 (164 to 173)	288 (258 to 322)	344 (311 to 383)	604 (564 to 650)	220 (214 to 226)
	Death #, 2017	96 (64 to 139)	36 (24 to 52)	63 (39 to 93)	36 (27 to 47)	28 (23 to 34)	27 (24 to 30)	96 (88 to 104)	194 (134 to 274)	231 (161 to 321)	382 (304 to 482)	123 (113 to 133)
	% change 1990-2017	**-60.0% (-74.6% to -35.6%)#**	**-48.3% (-67.5% to -18.4%)#**	**-67.7% (-81.0% to -48.4%)#**	**-65.0% (-78.2% to -40.3%)#**	**-47.3% (-56.3% to -36.2%)#**	**-65.4% (-68.8% to -61.5%)#**	**-51.2% (-55.1% to -47.1%)#**	**-61.4% (-73.2% to -44.0%)#**	**-62.0% (-73.3% to -46.2%)#**	**-59.2% (-67.7% to -47.8%)#**	**-55.3% (-58.7% to -51.5%)#**
	% change 2000-2017	-31.5% (-54.2% to 3.6%)	-29.4% (-55.4% to 12.5%)	-35.5% (-63.5% to 8.5%)	-35.8% (-59.6% to 8.3%)	**-28.6% (-41.6% to -12.6%)#**	**-47.7% (-53.1% to -41.6%)#**	**-43.1% (-47.6% to -38.1%)#**	**-32.5% (-54.4% to -1.7%)#**	**-33.0% (-53.1% to -5.2%)#**	**-36.8% (-50.3% to -19.2%)#**	**-44.2% (-48.5% to -39.4%)#**
Wales	Death #, 1990	126 (101 to 157)	36 (30 to 43)	98 (77 to 121)	57 (37 to 80)	35 (34 to 37)	35 (34 to 36)	99 (98 to 101)	260 (238 to 287)	317 (299 to 338)	486 (465 to 510)	134 (132 to 136)
	Death #, 2000	83 (73 to 95)	28 (24 to 34)	57 (44 to 73)	33 (22 to 48)	22 (20 to 23)	31 (29 to 32)	87 (84 to 89)	168 (151 to 187)	201 (183 to 220)	340 (319 to 363)	117 (114 to 121)
	Death #, 2017	57 (44 to 74)	21 (16 to 27)	36 (28 to 46)	19 (14 to 25)	15 (13 to 17)	14 (13 to 15)	51 (48 to 55)	114 (88 to 148)	133 (105 to 168)	214 (183 to 253)	65 (62 to 70)
	% change 1990-2017	**-54.7% (-67.6% to -36.4%)#**	**-42.2% (-57.8% to -20.8%)#**	**-62.9% (-73.0% to -48.4%)#**	**-66.5% (-79.0% to -45.4%)#**	**-57.4% (-61.8% to -51.9%)#**	**-59.1% (-61.8% to -56.0%)#**	**-48.4% (-51.8% to -44.8%)#**	**-56.1% (-66.1% to -42.5%)#**	**-57.9% (-66.7% to -46.9%)#**	**-56.0% (-62.4% to -47.9%)#**	**-51.2% (-54.2% to -47.9%)#**
	% change 2000-2017	**-31.4% (-48.1% to -10.1%)#**	-26.2% (-46.2% to 1.4%)	**-35.6% (-55.0% to -6.8%)#**	**-41.9% (-60.3% to -14.0%)#**	**-30.9% (-39.3% to -21.4%)#**	**-53.4% (-56.6% to -49.5%)#**	**-41.0% (-45.1% to -36.7%)#**	**-31.9% (-48.1% to -9.6%)#**	**-33.6% (-47.6% to -14.3%)#**	**-37.1% (-46.5% to -24.6%)#**	**-44.2% (-47.8% to -40.3%)#**
Latin America and Caribbean	Death #, 1990	167,686 (162,841 to 173,331)	59,535 (57,355 to 61,765)	240,213 (234,191 to 246,872)	122,916 (117,229 to 128,598)	36,251 (35,764 to 36,672)	27,248 (27,034 to 27,447)	48,168 (47,912 to 48,419)	467,434 (458,948 to 475,710)	590,350 (580,106 to 599,761)	702,017 (691,154 to 711,859)	75,415 (75,002 to 75,828)
	% of global total, 1990	5.5% (5.3% to 5.8%)	4.7% (4.5% to 5.0%)	6.2% (6.0% to 6.4%)	3.4% (3.2% to 3.6%)	4.2% (4.2% to 4.3%)	5.8% (5.8% to 5.9%)	7.2% (7.1% to 7.2%)	5.7% (5.6% to 5.9%)	5.0% (4.9% to 5.1%)	5.1% (5.0% to 5.2%)	6.6% (6.5% to 6.7%)
	Death #, 2000	123,160 (119,683 to 126,987)	36,480 (35,346 to 37,726)	141,458 (137,963 to 145,260)	66,995 (64,343 to 69,596)	25,051 (24,691 to 25,421)	22,359 (22,161 to 22,556)	50,919 (50,599 to 51,223)	301,098 (294,715 to 307,502)	368,093 (360,680 to 375,865)	466,422 (458,278 to 474,745)	73,278 (72,793 to 73,747)
	% of global total, 2000	4.5% (4.3% to 4.6%)	4.0% (3.8% to 4.2%)	4.6% (4.4% to 4.7%)	2.3% (2.2% to 2.4%)	3.6% (3.5% to 3.6%)	4.6% (4.6% to 4.7%)	7.5% (7.4% to 7.6%)	4.5% (4.3% to 4.6%)	3.8% (3.7% to 3.9%)	4.0% (4.0% to 4.1%)	6.3% (6.2% to 6.4%)
	Death #, 2017	64,395 (61,275 to 68,162)	20,011 (18,874 to 21,350)	65,768 (61,832 to 69,879)	29,853 (28,343 to 31,577)	15,167 (14,812 to 15,588)	16,965 (16,720 to 17,241)	49,767 (48,771 to 50,751)	150,174 (142,977 to 158,312)	180,026 (171,436 to 189,920)	261,925 (252,797 to 272,512)	66,732 (65,610 to 67,918)
	% of global total, 2017	3.5% (3.2% to 3.7%)	3.9% (3.7% to 4.2%)	4.1% (3.8% to 4.4%)	2.1% (2.0% to 2.3%)	3.7% (3.6% to 3.8%)	5.3% (5.2% to 5.4%)	9.6% (9.4% to 9.9%)	3.8% (3.5% to 4.0%)	3.3% (3.1% to 3.6%)	3.9% (3.8% to 4.2%)	8.0% (7.8% to 8.2%)
	% change 1990-2017	**-61.6% (-63.9% to -59.1%)#**	**-66.4% (-68.6% to -63.7%)#**	**-72.6% (-74.3% to -70.7%)#**	**-75.7% (-77.3% to -74.0%)#**	**-58.2% (-59.2% to -56.9%)#**	**-37.7% (-38.8% to -36.7%)#**	**3.3% (1.2% to 5.5%)#**	**-67.9% (-69.4% to -66.0%)#**	**-69.5% (-71.0% to -67.8%)#**	**-62.7% (-64.0% to -61.1%)#**	**-11.5% (-13.1% to -9.8%)#**

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 2000-2017	**-47.7% (-50.5% to -44.5%)#**	**-45.1% (-48.7% to -41.1%)#**	**-53.5% (-56.4% to -50.4%)#**	**-55.4% (-58.2% to -52.1%)#**	**-39.5% (-41.1% to -37.7%)#**	**-24.1% (-25.3% to -22.9%)#**	**-2.3% (-4.3% to -0.3%)#**	**-50.1% (-52.6% to -47.2%)#**	**-51.1% (-53.5% to -48.3%)#**	**-43.8% (-45.9% to -41.5%)#**	**-8.9% (-10.6% to -7.3%)#**
Andean Latin America	Death #, 1990	22,212 (19,482 to 25,282)	10,691 (9,454 to 12,108)	33,994 (30,393 to 37,731)	28,614 (25,847 to 31,541)	5,392 (5,179 to 5,616)	3,767 (3,666 to 3,869)	5,107 (4,937 to 5,290)	66,897 (62,370 to 71,462)	95,512 (90,174 to 100,529)	109,777 (104,168 to 115,157)	8,874 (8,620 to 9,137)
	% of global total, 1990	0.7% (0.6% to 0.8%)	0.8% (0.8% to 1.0%)	0.9% (0.8% to 1.0%)	0.8% (0.7% to 0.9%)	0.6% (0.6% to 0.7%)	0.8% (0.8% to 0.8%)	0.8% (0.7% to 0.8%)	0.8% (0.8% to 0.9%)	0.8% (0.8% to 0.9%)	0.8% (0.8% to 0.8%)	0.8% (0.8% to 0.8%)
	Death #, 2000	15,450 (14,108 to 16,850)	6,183 (5,627 to 6,763)	18,706 (17,146 to 20,414)	13,513 (12,072 to 15,016)	4,060 (3,872 to 4,245)	3,015 (2,921 to 3,108)	4,474 (4,321 to 4,625)	40,339 (37,834 to 43,012)	53,852 (50,622 to 57,492)	65,402 (61,951 to 69,222)	7,489 (7,255 to 7,718)
	% of global total, 2000	0.6% (0.5% to 0.6%)	0.7% (0.6% to 0.7%)	0.6% (0.6% to 0.7%)	0.5% (0.4% to 0.5%)	0.6% (0.6% to 0.6%)	0.6% (0.6% to 0.6%)	0.7% (0.6% to 0.7%)	0.6% (0.6% to 0.6%)	0.6% (0.5% to 0.6%)	0.6% (0.5% to 0.6%)	0.6% (0.6% to 0.7%)
	Death #, 2017	8,577 (7,043 to 10,299)	2,677 (2,120 to 3,330)	8,313 (6,886 to 9,925)	5,056 (4,279 to 5,925)	2,438 (2,237 to 2,640)	2,050 (1,935 to 2,165)	3,789 (3,528 to 4,064)	19,567 (16,227 to 23,208)	24,623 (20,514 to 29,113)	32,900 (28,460 to 37,739)	5,840 (5,490 to 6,206)
	% of global total, 2017	0.5% (0.4% to 0.6%)	0.5% (0.4% to 0.7%)	0.5% (0.4% to 0.6%)	0.4% (0.3% to 0.4%)	0.6% (0.5% to 0.6%)	0.6% (0.6% to 0.7%)	0.7% (0.7% to 0.8%)	0.5% (0.4% to 0.6%)	0.5% (0.4% to 0.5%)	0.5% (0.4% to 0.6%)	0.7% (0.7% to 0.7%)
	% change 1990-2017	**-61.4% (-69.9% to -51.9%)#**	**-75.0% (-80.9% to -68.2%)#**	**-75.5% (-80.1% to -70.0%)#**	**-82.3% (-85.6% to -78.7%)#**	**-54.8% (-58.9% to -50.3%)#**	**-45.6% (-49.0% to -41.9%)#**	**-25.8% (-31.7% to -19.7%)#**	**-70.8% (-76.0% to -64.5%)#**	**-74.2% (-78.9% to -69.0%)#**	**-70.0% (-74.4% to -65.0%)#**	**-34.2% (-38.7% to -29.5%)#**
	% change 2000-2017	**-44.5% (-55.0% to -32.6%)#**	**-56.7% (-66.9% to -44.8%)#**	**-55.6% (-63.6% to -46.1%)#**	**-62.6% (-69.5% to -54.5%)#**	**-40.0% (-45.6% to -33.8%)#**	**-32.0% (-36.3% to -27.5%)#**	**-15.3% (-21.8% to -8.7%)#**	**-51.5% (-60.4% to -42.2%)#**	**-54.3% (-62.5% to -45.3%)#**	**-49.7% (-57.2% to -41.8%)#**	**-22.0% (-27.1% to -16.5%)#**
Bolivia	Death #, 1990	5,626 (4,959 to 6,437)	3,037 (2,474 to 3,648)	9,850 (8,619 to 11,066)	9,181 (7,996 to 10,480)	1,198 (1,120 to 1,282)	715 (678 to 752)	965 (895 to 1,038)	18,512 (16,971 to 20,104)	27,693 (25,718 to 29,959)	30,572 (28,499 to 32,930)	1,680 (1,576 to 1,784)
	Death #, 2000	4,686 (4,094 to 5,312)	2,053 (1,745 to 2,393)	6,160 (5,191 to 7,288)	5,596 (4,753 to 6,462)	971 (891 to 1,045)	648 (609 to 685)	946 (863 to 1,019)	12,899 (11,451 to 14,515)	18,495 (16,549 to 20,590)	21,061 (19,042 to 23,314)	1,594 (1,478 to 1,697)
	Death #, 2017	2,732 (1,931 to 3,792)	1,004 (712 to 1,390)	2,518 (1,792 to 3,467)	1,573 (1,143 to 2,135)	588 (518 to 653)	422 (383 to 459)	787 (669 to 878)	6,255 (4,440 to 8,642)	7,828 (5,580 to 10,750)	9,624 (7,311 to 12,651)	1,208 (1,069 to 1,323)
	% change 1990-2017	**-51.4% (-66.9% to -30.8%)#**	**-66.9% (-77.8% to -51.3%)#**	**-74.4% (-82.4% to -63.8%)#**	**-82.9% (-87.9% to -75.8%)#**	**-50.9% (-57.8% to -44.4%)#**	**-41.0% (-47.3% to -34.9%)#**	**-18.5% (-32.7% to -5.6%)#**	**-66.2% (-76.7% to -52.6%)#**	**-71.7% (-80.4% to -60.9%)#**	**-68.5% (-76.5% to -58.2%)#**	**-28.1% (-37.3% to -19.1%)#**
	% change 2000-2017	**-41.7% (-59.5% to -20.1%)#**	**-51.1% (-66.2% to -32.3%)#**	**-59.1% (-71.8% to -42.3%)#**	**-71.9% (-80.1% to -61.0%)#**	**-39.4% (-47.3% to -30.8%)#**	**-35.0% (-41.5% to -27.5%)#**	**-16.9% (-29.5% to -4.7%)#**	**-51.5% (-65.7% to -32.8%)#**	**-57.7% (-69.8% to -42.4%)#**	**-54.3% (-65.6% to -40.0%)#**	**-24.2% (-33.3% to -15.0%)#**
Ecuador	Death #, 1990	3,321 (2,741 to 3,909)	1,222 (999 to 1,476)	4,407 (3,768 to 5,075)	3,394 (2,835 to 4,033)	1,019 (963 to 1,078)	855 (830 to 881)	1,212 (1,197 to 1,225)	8,950 (8,047 to 9,858)	12,343 (11,413 to 13,430)	15,429 (14,407 to 16,616)	2,067 (2,028 to 2,105)
	Death #, 2000	3,798 (3,063 to 4,593)	1,208 (934 to 1,540)	4,008 (3,352 to 4,749)	1,621 (1,211 to 2,075)	1,000 (896 to 1,106)	864 (816 to 914)	1,430 (1,404 to 1,456)	9,013 (7,661 to 10,465)	10,634 (9,011 to 12,263)	13,928 (12,153 to 15,711)	2,295 (2,224 to 2,369)
	Death #, 2017	1,741 (1,202 to 2,484)	660 (321 to 1,206)	1,707 (1,141 to 2,377)	1,184 (893 to 1,572)	680 (586 to 790)	690 (631 to 751)	1,467 (1,342 to 1,616)	4,109 (2,897 to 5,720)	5,293 (3,799 to 7,289)	8,130 (6,483 to 10,312)	2,157 (1,987 to 2,356)
	% change 1990-2017	**-47.6% (-65.7% to -21.6%)#**	-45.9% (-74.2% to 2.8%)	**-61.2% (-75.0% to -43.5%)#**	**-65.1% (-75.1% to -52.4%)#**	**-33.2% (-42.5% to -21.7%)#**	**-19.4% (-26.3% to -11.8%)#**	**21.1% (10.7% to 33.5%)#**	**-54.1% (-67.9% to -35.0%)#**	**-57.1% (-69.5% to -40.1%)#**	**-47.3% (-58.4% to -32.6%)#**	4.4% (-3.6% to 14.1%)
	% change 2000-2017	**-54.2% (-69.5% to -34.3%)#**	-45.3% (-76.3% to 14.2%)	**-57.4% (-72.9% to -35.9%)#**	-26.9% (-51.4% to 11.2%)	**-31.9% (-43.6% to -18.0%)#**	**-20.2% (-28.1% to -11.1%)#**	2.6% (-6.5% to 13.3%)	**-54.4% (-69.5% to -34.3%)#**	**-50.2% (-66.2% to -29.2%)#**	**-41.6% (-55.6% to -23.7%)#**	-6.0% (-14.0% to 3.1%)
Peru	Death #, 1990	13,265 (10,614 to 16,110)	6,433 (5,348 to 7,781)	19,737 (16,378 to 23,129)	16,040 (13,655 to 18,778)	3,175 (2,983 to 3,371)	2,196 (2,102 to 2,289)	2,930 (2,771 to 3,078)	39,435 (35,550 to 43,330)	55,475 (51,013 to 60,542)	63,777 (58,972 to 69,256)	5,127 (4,893 to 5,352)
	Death #, 2000	6,967 (6,055 to 7,971)	2,922 (2,544 to 3,306)	8,538 (7,490 to 9,839)	6,297 (5,131 to 7,599)	2,090 (1,954 to 2,233)	1,503 (1,430 to 1,576)	2,097 (1,961 to 2,228)	18,427 (16,800 to 20,460)	24,723 (22,388 to 27,310)	30,413 (27,882 to 33,162)	3,600 (3,410 to 3,797)
	Death #, 2017	4,104 (3,085 to 5,397)	1,012 (767 to 1,323)	4,088 (3,098 to 5,363)	2,299 (1,794 to 2,961)	1,169 (1,010 to 1,357)	939 (849 to 1,040)	1,535 (1,335 to 1,770)	9,203 (6,949 to 12,079)	11,502 (8,742 to 15,044)	15,146 (12,145 to 18,804)	2,474 (2,184 to 2,767)
	% change 1990-2017	**-69.1% (-78.5% to -56.5%)#**	**-84.3% (-88.8% to -77.9%)#**	**-79.3% (-85.0% to -71.4%)#**	**-85.7% (-89.5% to -80.7%)#**	**-63.2% (-68.6% to -56.6%)#**	**-57.3% (-61.8% to -52.3%)#**	**-47.6% (-54.8% to -39.4%)#**	**-76.7% (-82.8% to -69.1%)#**	**-79.3% (-84.5% to -72.4%)#**	**-76.2% (-81.4% to -69.8%)#**	**-51.7% (-57.5% to -45.2%)#**
	% change 2000-2017	**-41.1% (-57.0% to -20.2%)#**	**-65.4% (-74.5% to -52.2%)#**	**-52.1% (-65.2% to -35.7%)#**	**-63.5% (-72.9% to -50.4%)#**	**-44.0% (-52.3% to -34.0%)#**	**-37.5% (-43.9% to -30.2%)#**	**-26.8% (-37.5% to -15.2%)#**	**-50.0% (-63.0% to -33.0%)#**	**-53.5% (-64.8% to -38.4%)#**	**-50.2% (-60.5% to -37.0%)#**	**-31.3% (-39.6% to -22.4%)#**
Caribbean	Death #, 1990	14,363 (12,619 to 16,229)	6,916 (5,717 to 8,309)	22,048 (20,217 to 23,950)	17,389 (14,726 to 20,118)	3,165 (3,051 to 3,276)	2,134 (2,074 to 2,190)	3,787 (3,683 to 3,887)	43,326 (40,614 to 46,157)	60,715 (57,368 to 64,110)	69,800 (66,212 to 73,305)	5,920 (5,764 to 6,075)
	% of global total, 1990	0.5% (0.4% to 0.5%)	0.6% (0.5% to 0.7%)	0.6% (0.5% to 0.6%)	0.5% (0.4% to 0.6%)	0.4% (0.4% to 0.4%)	0.5% (0.4% to 0.5%)	0.6% (0.5% to 0.6%)	0.5% (0.5% to 0.6%)	0.5% (0.5% to 0.6%)	0.5% (0.5% to 0.5%)	0.5% (0.5% to 0.5%)
	Death #, 2000	12,481 (11,165 to 13,830)	4,913 (4,331 to 5,539)	15,071 (13,569 to 16,810)	10,830 (9,394 to 12,424)	2,715 (2,579 to 2,866)	2,009 (1,926 to 2,115)	3,249 (3,097 to 3,406)	32,466 (30,213 to 35,014)	43,296 (40,192 to 46,794)	51,268 (47,909 to 55,094)	5,258 (5,045 to 5,495)
	% of global total, 2000	0.5% (0.4% to 0.5%)	0.5% (0.5% to 0.6%)	0.5% (0.4% to 0.5%)	0.4% (0.3% to 0.4%)	0.4% (0.4% to 0.4%)	0.4% (0.4% to 0.4%)	0.5% (0.5% to 0.5%)	0.5% (0.5% to 0.5%)	0.5% (0.4% to 0.5%)	0.4% (0.4% to 0.5%)	0.5% (0.4% to 0.5%)
	Death #, 2017	10,539 (8,742 to 12,551)	3,531 (2,920 to 4,208)	9,510 (7,018 to 12,722)	5,505 (4,628 to 6,560)	1,902 (1,755 to 2,067)	1,720 (1,625 to 1,844)	3,307 (3,058 to 3,598)	23,580 (19,877 to 27,773)	29,085 (24,537 to 34,308)	36,014 (31,219 to 41,385)	5,026 (4,703 to 5,423)
	% of global total, 2017	0.6% (0.5% to 0.7%)	0.7% (0.6% to 0.8%)	0.6% (0.4% to 0.8%)	0.4% (0.3% to 0.5%)	0.5% (0.4% to 0.5%)	0.5% (0.5% to 0.6%)	0.6% (0.6% to 0.7%)	0.6% (0.5% to 0.7%)	0.5% (0.5% to 0.6%)	0.5% (0.5% to 0.6%)	0.6% (0.6% to 0.7%)
	% change 1990-2017	**-26.6% (-41.5% to -7.2%)#**	**-49.0% (-60.8% to -33.9%)#**	**-56.9% (-69.1% to -41.4%)#**	**-68.3% (-75.0% to -60.3%)#**	**-39.9% (-45.0% to -34.0%)#**	**-19.4% (-24.3% to -13.1%)#**	**-12.7% (-19.5% to -4.3%)#**	**-45.6% (-55.0% to -35.6%)#**	**-52.1% (-59.9% to -43.3%)#**	**-48.4% (-55.6% to -40.6%)#**	**-15.1% (-20.8% to -7.8%)#**
	% change 2000-2017	-15.6% (-31.2% to 3.9%)	**-28.1% (-42.0% to -11.0%)#**	**-36.9% (-53.8% to -16.3%)#**	**-49.2% (-59.2% to -37.2%)#**	**-29.9% (-36.7% to -22.9%)#**	**-14.4% (-20.9% to -7.5%)#**	1.8% (-5.9% to 10.9%)	**-27.4% (-39.9% to -13.1%)#**	**-32.8% (-44.2% to -19.6%)#**	**-29.8% (-39.8% to -18.2%)#**	-4.4% (-11.0% to 3.1%)
Antigua	Death #, 1990	7 (6 to 9)	2 (2 to 2)	3 (2 to 4)	4 (3 to 5)	2 (2 to 2)	2 (2 to 2)	3 (3 to 4)	12 (10 to 14)	16 (13 to 19)	23 (20 to 27)	5 (5 to 6)
	Death #, 2000	10 (8 to 12)	3 (2 to 4)	4 (3 to 5)	4 (3 to 5)	2 (2 to 3)	2 (2 to 2)	4 (4 to 4)	17 (13 to 20)	20 (16 to 25)	29 (24 to 34)	6 (6 to 7)
	Death #, 2017	4 (3 to 6)	2 (1 to 3)	3 (2 to 4)	4 (2 to 5)	2 (1 to 2)	2 (2 to 2)	5 (5 to 5)	9 (7 to 13)	13 (9 to 19)	22 (17 to 28)	7 (6 to 7)
	% change 1990-2017	**-38.2% (-59.0% to -9.7%)#**	8.8% (-30.4% to 64.7%)	-2.8% (-40.9% to 63.0%)	-2.6% (-37.6% to 55.5%)	-9.5% (-25.6% to 10.4%)	**-16.0% (-24.9% to -6.2%)#**	**45.1% (34.3% to 57.1%)#**	-22.2% (-48.2% to 13.9%)	-17.6% (-45.2% to 21.7%)	-7.5% (-30.0% to 21.5%)	**22.4% (12.9% to 32.9%)#**
	% change 2000-2017	**-55.1% (-69.8% to -34.3%)#**	-25.9% (-48.5% to 10.2%)	-24.1% (-48.3% to 14.2%)	3.1% (-31.1% to 55.0%)	**-28.9% (-40.8% to -14.4%)#**	**-16.2% (-25.3% to -6.0%)#**	**20.8% (10.9% to 31.7%)#**	**-43.1% (-60.5% to -20.2%)#**	**-34.9% (-55.0% to -9.1%)#**	**-25.1% (-41.6% to -4.4%)#**	8.5% (-0.3% to 18.2%)
Bahamas	Death #, 1990	54 (44 to 65)	14 (10 to 19)	34 (26 to 43)	19 (14 to 24)	13 (12 to 15)	10 (9 to 11)	19 (19 to 20)	103 (91 to 117)	121 (105 to 140)	163 (145 to 185)	29 (28 to 30)
	Death #, 2000	27 (24 to 31)	11 (7 to 17)	27 (22 to 31)	16 (13 to 19)	16 (14 to 17)	11 (10 to 11)	24 (23 to 25)	65 (56 to 76)	81 (70 to 93)	132 (117 to 146)	35 (33 to 36)
	Death #, 2017	23 (17 to 29)	9 (5 to 16)	19 (14 to 24)	11 (8 to 14)	8 (7 to 10)	10 (10 to 11)	26 (24 to 28)	50 (37 to 68)	60 (45 to 82)	105 (87 to 130)	36 (34 to 39)
	% change 1990-2017	**-58.5% (-70.2% to -41.6%)#**	-37.2% (-69.2% to 27.4%)	**-45.7% (-61.7% to -22.1%)#**	**-43.2% (-61.4% to -17.3%)#**	**-37.4% (-47.4% to -25.0%)#**	3.4% (-7.0% to 14.9%)	**35.2% (23.6% to 47.2%)#**	**-51.3% (-64.4% to -32.9%)#**	**-50.1% (-63.5% to -31.0%)#**	**-35.8% (-48.2% to -20.0%)#**	**24.2% (14.1% to 34.8%)#**
	% change 2000-2017	-17.6% (-38.0% to 10.4%)	-22.3% (-60.6% to 57.9%)	**-30.2% (-48.1% to -4.5%)#**	**-34.9% (-53.4% to -7.1%)#**	**-47.0% (-55.2% to -36.1%)#**	-1.4% (-10.9% to 9.5%)	7.2% (-1.6% to 16.7%)	-23.5% (-44.0% to 7.2%)	-25.8% (-45.6% to 3.9%)	-20.3% (-35.0% to 1.0%)	4.6% (-4.1% to 13.4%)
	Death #, 1990	38 (31 to 45)	8 (6 to 9)	14 (12 to 18)	9 (7 to 11)	7 (6 to 8)	9 (9 to 10)	17 (17 to 18)	60 (50 to 70)	68 (57 to 81)	102 (90 to 117)	27 (26 to 28)
	Death #, 2000	24 (19 to 29)	7 (5 to 9)	12 (8 to 16)	6 (4 to 8)	3 (3 to 4)	8 (8 to 9)	17 (17 to 18)	43 (34 to 54)	48 (38 to 62)	77 (66 to 91)	26 (25 to 27)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Barbados	Death #, 2017	19 (13 to 27)	5 (4 to 8)	8 (5 to 11)	3 (2 to 4)	3 (3 to 4)	8 (7 to 9)	12 (11 to 13)	32 (22 to 46)	35 (24 to 50)	58 (46 to 74)	20 (19 to 21)
	% change 1990-2017	**-50.1% (-67.9% to -24.4%)#**	-30.6% (-54.8% to 5.6%)	**-46.9% (-65.9% to -20.5%)#**	**-65.0% (-77.7% to -45.1%)#**	**-56.8% (-63.9% to -48.1%)#**	**-15.7% (-23.7% to -6.3%)#**	**-30.8% (-36.5% to -24.7%)#**	**-46.8% (-65.3% to -19.4%)#**	**-49.1% (-66.6% to -22.7%)#**	**-43.5% (-57.0% to -24.1%)#**	**-25.5% (-31.2% to -19.1%)#**
	% change 2000-2017	-21.3% (-47.1% to 20.2%)	-21.9% (-51.2% to 28.0%)	-35.6% (-58.5% to 4.1%)	**-47.5% (-65.4% to -20.0%)#**	-7.5% (-22.3% to 9.6%)	-2.6% (-11.1% to 7.5%)	**-31.1% (-36.8% to -24.6%)#**	-25.4% (-50.1% to 14.1%)	-28.0% (-52.1% to 9.6%)	**-25.1% (-42.3% to -0.8%)#**	**-22.0% (-28.0% to -15.5%)#**
Belize	Death #, 1990	79 (64 to 96)	18 (15 to 21)	95 (81 to 109)	56 (46 to 67)	20 (18 to 22)	13 (12 to 13)	16 (15 to 17)	192 (169 to 216)	248 (222 to 274)	297 (268 to 326)	29 (28 to 30)
	Death #, 2000	71 (58 to 85)	17 (14 to 19)	59 (50 to 69)	34 (29 to 41)	19 (17 to 20)	17 (16 to 17)	34 (33 to 34)	147 (125 to 170)	181 (159 to 205)	250 (226 to 276)	50 (49 to 51)
	Death #, 2017	60 (48 to 76)	25 (18 to 37)	40 (28 to 59)	22 (17 to 29)	12 (11 to 14)	15 (14 to 16)	42 (40 to 44)	126 (94 to 171)	148 (112 to 200)	217 (177 to 274)	56 (54 to 59)
	% change 1990-2017	-23.9% (-43.8% to 3.0%)	41.8% (-4.9% to 107.2%)	**-57.4% (-71.6% to -37.5%)#**	**-60.2% (-71.3% to -44.8%)#**	**-39.0% (-47.0% to -29.3%)#**	**13.0% (4.4% to 23.2%)#**	**162.3% (147.6% to 179.3%)#**	**-34.3% (-52.0% to -9.6%)#**	**-40.1% (-56.1% to -20.0%)#**	**-26.8% (-41.4% to -8.0%)#**	**95.6% (84.8% to 107.7%)#**
	% change 2000-2017	-14.8% (-35.9% to 16.0%)	**53.7% (5.2% to 123.3%)#**	**-31.6% (-53.9% to -0.0%)#**	**-35.1% (-53.4% to -10.3%)#**	**-34.7% (-43.3% to -24.5%)#**	**-12.6% (-18.9% to -5.1%)#**	**24.8% (19.5% to 30.6%)#**	-13.9% (-36.5% to 18.2%)	-17.9% (-39.1% to 10.9%)	-13.1% (-30.0% to 9.3%)	**12.4% (7.2% to 18.4%)#**
Bermuda	Death #, 1990	3 (3 to 4)	1 (1 to 1)	2 (2 to 3)	2 (2 to 3)	1 (1 to 2)	1 (1 to 2)	3 (3 to 3)	7 (6 to 8)	9 (8 to 10)	15 (13 to 17)	4 (4 to 5)
	Death #, 2000	2 (1 to 2)	0 (0 to 1)	1 (1 to 1)	1 (1 to 2)	1 (1 to 1)	1 (1 to 1)	2 (2 to 2)	3 (3 to 4)	4 (4 to 5)	8 (7 to 9)	3 (2 to 3)
	Death #, 2017	1 (1 to 1)	0 (0 to 0)	1 (0 to 1)	1 (1 to 1)	0 (0 to 0)	0 (0 to 0)	1 (1 to 1)	2 (2 to 3)	3 (2 to 4)	5 (4 to 6)	2 (1 to 2)
	% change 1990-2017	**-65.1% (-73.6% to -54.2%)#**	**-66.8% (-75.6% to -54.5%)#**	**-75.1% (-81.9% to -64.7%)#**	**-60.3% (-69.7% to -46.0%)#**	**-72.2% (-76.2% to -66.7%)#**	**-73.2% (-76.1% to -69.4%)#**	**-60.8% (-65.3% to -55.0%)#**	**-68.9% (-76.0% to -60.0%)#**	**-66.7% (-73.6% to -58.1%)#**	**-66.8% (-72.2% to -60.0%)#**	**-65.0% (-69.0% to -59.9%)#**
	% change 2000-2017	**-29.1% (-48.4% to -0.9%)#**	**-33.7% (-51.0% to -12.5%)#**	**-37.7% (-54.1% to -16.3%)#**	**-36.3% (-43.9% to -27.4%)#**	**-49.8% (-57.0% to -40.2%)#**	**-54.7% (-60.1% to -48.2%)#**	**-33.5% (-41.8% to -23.5%)#**	**-32.4% (-47.1% to -12.8%)#**	**-33.6% (-44.5% to -21.0%)#**	**-37.6% (-46.0% to -26.8%)#**	**-40.8% (-48.1% to -32.2%)#**
Cuba	Death #, 1990	872 (753 to 985)	313 (263 to 369)	712 (620 to 801)	491 (399 to 598)	274 (267 to 280)	330 (325 to 335)	1005 (997 to 1013)	1897 (1773 to 2010)	2388 (2308 to 2467)	3997 (3903 to 4086)	1335 (1323 to 1347)
	Death #, 2000	413 (351 to 473)	198 (166 to 233)	366 (307 to 432)	277 (225 to 334)	211 (203 to 218)	263 (258 to 268)	423 (419 to 427)	977 (905 to 1052)	1254 (1196 to 1319)	2151 (2078 to 2234)	686 (678 to 694)
	Death #, 2017	166 (139 to 196)	87 (72 to 103)	179 (151 to 210)	149 (126 to 176)	100 (89 to 112)	120 (111 to 131)	277 (251 to 307)	432 (362 to 510)	581 (490 to 684)	1079 (960 to 1219)	397 (363 to 436)
	% change 1990-2017	**-80.9% (-84.6% to -76.2%)#**	**-72.2% (-78.2% to -64.2%)#**	**-74.9% (-79.9% to -69.1%)#**	**-69.6% (-76.8% to -61.2%)#**	**-63.5% (-67.7% to -58.9%)#**	**-63.7% (-66.5% to -60.4%)#**	**-72.4% (-75.1% to -69.3%)#**	**-77.2% (-81.0% to -72.8%)#**	**-75.7% (-79.5% to -71.2%)#**	**-73.0% (-76.0% to -69.4%)#**	**-70.2% (-72.8% to -67.2%)#**
	% change 2000-2017	**-59.7% (-67.6% to -50.1%)#**	**-56.1% (-64.9% to -44.0%)#**	**-51.1% (-60.5% to -38.2%)#**	**-46.1% (-58.2% to -28.5%)#**	**-52.6% (-58.0% to -46.6%)#**	**-54.4% (-57.9% to -50.3%)#**	**-34.5% (-40.7% to -27.3%)#**	**-55.8% (-62.9% to -46.7%)#**	**-53.6% (-61.0% to -45.1%)#**	**-49.9% (-55.6% to -43.1%)#**	**-42.1% (-47.2% to -36.4%)#**
Dominica	Death #, 1990	13 (11 to 16)	3 (3 to 4)	8 (6 to 9)	5 (4 to 6)	2 (2 to 3)	4 (4 to 4)	7 (7 to 8)	24 (20 to 29)	29 (24 to 35)	43 (37 to 49)	11 (11 to 12)
	Death #, 2000	11 (8 to 13)	3 (2 to 4)	6 (5 to 7)	4 (3 to 4)	2 (2 to 2)	4 (4 to 4)	7 (6 to 7)	19 (15 to 23)	23 (18 to 28)	35 (30 to 41)	10 (10 to 11)
	Death #, 2017	13 (9 to 18)	4 (3 to 5)	8 (5 to 11)	4 (3 to 5)	2 (2 to 2)	4 (4 to 4)	6 (5 to 6)	24 (17 to 34)	28 (19 to 39)	39 (30 to 51)	10 (9 to 10)
	% change 1990-2017	-3.8% (-35.6% to 42.4%)	5.5% (-29.2% to 55.9%)	1.4% (-31.4% to 50.0%)	-28.6% (-51.1% to 5.5%)	**-21.2% (-33.7% to -5.7%)#**	-4.7% (-13.8% to 5.8%)	**-20.5% (-26.0% to -14.7%)#**	-0.9% (-33.4% to 46.5%)	-5.7% (-36.2% to 39.5%)	-8.9% (-31.9% to 23.5%)	**-14.8% (-20.8% to -8.3%)#**
	% change 2000-2017	21.5% (-14.5% to 70.6%)	26.0% (-11.3% to 76.4%)	31.8% (-7.3% to 83.7%)	-1.4% (-30.8% to 38.7%)	-11.4% (-25.3% to 5.7%)	2.9% (-7.0% to 13.5%)	**-11.1% (-17.2% to -4.6%)#**	25.3% (-11.7% to 75.3%)	21.0% (-14.6% to 68.3%)	11.3% (-14.9% to 44.6%)	-5.9% (-12.9% to 1.1%)
Dominican Rep	Death #, 1990	4,620 (3,644 to 5,636)	1,514 (1,220 to 1,822)	5,802 (4,904 to 6,779)	3,325 (2,607 to 4,111)	741 (691 to 796)	442 (421 to 464)	658 (614 to 705)	11,936 (10,613 to 13,356)	15,261 (13,740 to 16,940)	17,102 (15,482 to 18,836)	1,099 (1,037 to 1,166)
	Death #, 2000	4,107 (3,291 to 5,005)	1,149 (946 to 1,374)	2,541 (2,022 to 3,086)	1,671 (1,303 to 2,159)	568 (524 to 612)	401 (378 to 424)	617 (566 to 668)	7,797 (6,658 to 9,014)	9,469 (8,239 to 10,772)	11,054 (9,775 to 12,443)	1,018 (949 to 1,086)
	Death #, 2017	3,054 (2,171 to 4,230)	738 (525 to 1,019)	1,240 (884 to 1,694)	705 (519 to 940)	370 (319 to 431)	372 (334 to 411)	784 (693 to 880)	5,033 (3,583 to 6,945)	5,738 (4,096 to 7,883)	7,264 (5,508 to 9,459)	1,156 (1,034 to 1,284)
	% change 1990-2017	**-33.9% (-56.7% to -2.1%)#**	**-51.2% (-66.7% to -29.7%)#**	**-78.6% (-85.0% to -69.4%)#**	**-78.8% (-85.5% to -68.8%)#**	**-50.0% (-57.7% to -41.1%)#**	**-15.8% (-25.3% to -5.5%)#**	**19.3% (2.8% to 37.7%)#**	**-57.8% (-71.0% to -40.9%)#**	**-62.4% (-73.9% to -47.1%)#**	**-57.5% (-68.8% to -43.1%)#**	5.2% (-7.6% to 18.9%)
	% change 2000-2017	-25.6% (-49.0% to 9.6%)	**-35.8% (-56.4% to -6.5%)#**	**-51.2% (-67.0% to -28.4%)#**	**-57.8% (-72.3% to -39.1%)#**	**-34.8% (-44.8% to -22.8%)#**	-7.3% (-18.4% to 3.9%)	**27.2% (9.7% to 46.6%)#**	**-35.5% (-54.7% to -7.8%)#**	**-39.4% (-57.3% to -14.6%)#**	**-34.3% (-50.7% to -11.4%)#**	13.6% (-0.2% to 28.0%)
Grenada	Death #, 1990	19 (14 to 24)	5 (4 to 6)	13 (10 to 18)	10 (7 to 14)	5 (4 to 5)	4 (4 to 5)	7 (7 to 7)	37 (28 to 48)	47 (36 to 61)	63 (51 to 78)	11 (11 to 12)
	Death #, 2000	17 (14 to 21)	4 (3 to 4)	8 (6 to 11)	6 (4 to 7)	3 (3 to 4)	4 (3 to 4)	7 (6 to 7)	29 (23 to 36)	35 (28 to 43)	48 (41 to 57)	10 (10 to 11)
	Death #, 2017	10 (7 to 14)	2 (1 to 3)	4 (2 to 6)	3 (1 to 5)	2 (2 to 3)	3 (3 to 3)	5 (5 to 5)	16 (11 to 22)	19 (13 to 27)	29 (22 to 38)	8 (8 to 9)
	% change 1990-2017	**-46.0% (-63.7% to -19.2%)#**	**-61.0% (-74.2% to -40.6%)#**	**-71.9% (-83.6% to -53.5%)#**	**-72.7% (-87.7% to -39.1%)#**	**-49.4% (-59.1% to -38.4%)#**	**-27.5% (-35.2% to -19.3%)#**	**-29.5% (-34.0% to -25.0%)#**	**-57.3% (-71.2% to -36.9%)#**	**-60.6% (-74.7% to -38.6%)#**	**-54.1% (-66.7% to -35.7%)#**	**-28.7% (-34.3% to -23.2%)#**
	% change 2000-2017	**-41.1% (-58.3% to -17.5%)#**	**-47.1% (-64.0% to -23.7%)#**	**-54.6% (-72.5% to -28.3%)#**	**-49.5% (-75.5% to -2.3%)#**	**-30.8% (-43.3% to -17.0%)#**	**-13.2% (-21.9% to -3.7%)#**	**-26.1% (-30.8% to -21.2%)#**	**-45.7% (-62.2% to -23.9%)#**	**-46.3% (-63.9% to -21.1%)#**	**-39.9% (-55.0% to -19.8%)#**	**-21.4% (-27.2% to -15.5%)#**
Guyana	Death #, 1990	577 (459 to 710)	81 (65 to 98)	281 (209 to 362)	157 (131 to 186)	62 (58 to 67)	57 (55 to 60)	97 (95 to 99)	940 (810 to 1,084)	1,096 (958 to 1,245)	1,313 (1,171 to 1,469)	154 (151 to 158)
	Death #, 2000	359 (300 to 425)	45 (36 to 54)	178 (140 to 222)	84 (68 to 103)	52 (48 to 55)	44 (43 to 46)	80 (79 to 81)	582 (508 to 664)	666 (590 to 749)	842 (760 to 931)	125 (122 to 127)
	Death #, 2017	198 (143 to 269)	27 (20 to 37)	80 (58 to 109)	43 (32 to 57)	29 (25 to 33)	31 (28 to 34)	75 (68 to 83)	306 (222 to 415)	349 (254 to 472)	484 (381 to 615)	106 (97 to 116)
	% change 1990-2017	**-65.7% (-76.6% to -50.8%)#**	**-66.3% (-77.2% to -52.2%)#**	**-71.4% (-80.9% to -56.4%)#**	**-72.6% (-80.7% to -61.6%)#**	**-53.3% (-59.8% to -46.3%)#**	**-45.8% (-51.0% to -40.3%)#**	**-22.5% (-30.4% to -14.7%)#**	**-67.5% (-77.3% to -55.4%)#**	**-68.2% (-77.8% to -56.6%)#**	**-63.1% (-72.1% to -52.8%)#**	**-31.1% (-37.6% to -24.6%)#**
	% change 2000-2017	**-45.0% (-62.0% to -21.1%)#**	**-38.4% (-57.8% to -9.3%)#**	**-54.8% (-70.2% to -33.8%)#**	**-48.9% (-63.5% to -28.5%)#**	**-44.1% (-51.8% to -35.5%)#**	**-30.2% (-36.5% to -23.0%)#**	-6.1% (-15.3% to 3.5%)	**-47.5% (-63.1% to -26.4%)#**	**-47.6% (-62.7% to -27.4%)#**	**-42.5% (-55.9% to -25.4%)#**	**-14.7% (-22.5% to -6.2%)#**
Haiti	Death #, 1990	5868 (4399 to 7478)	4269 (3123 to 5595)	13242 (11669 to 14821)	12093 (9853 to 14584)	1597 (1499 to 1688)	906 (854 to 957)	1287 (1192 to 1372)	23379 (21034 to 25697)	35472 (32608 to 38397)	39262 (36205 to 42336)	2194 (2050 to 2325)
	Death #, 2000	5680 (4782 to 6673)	2913 (2393 to 3490)	10684 (9299 to 12147)	7988 (6679 to 9408)	1498 (1370 to 1631)	959 (883 to 1062)	1353 (1216 to 1499)	19277 (17405 to 21409)	27265 (24531 to 30335)	31076 (28129 to 34293)	2312 (2118 to 2535)
	Death #, 2017	5782 (4384 to 7394)	2247 (1709 to 2868)	7229 (4854 to 10380)	4125 (3281 to 5074)	1114 (978 to 1274)	843 (756 to 957)	1391 (1177 to 1670)	15258 (12125 to 18926)	19383 (15398 to 23946)	22730 (18731 to 27560)	2233 (1956 to 2616)
	% change 1990-2017	-1.5% (-32.1% to 42.3%)	**-47.4% (-64.3% to -23.1%)#**	**-45.4% (-65.0% to -20.2%)#**	**-65.9% (-74.4% to -54.7%)#**	**-30.2% (-39.4% to -19.4%)#**	-7.0% (-17.6% to 7.2%)	8.0% (-9.5% to 31.5%)	**-34.7% (-49.4% to -17.4%)#**	**-45.4% (-57.1% to -31.2%)#**	**-42.1% (-53.0% to -28.8%)#**	1.8% (-11.4% to 20.2%)
	% change 2000-2017	1.8% (-24.7% to 35.0%)	-22.9% (-42.4% to 3.4%)	**-32.3% (-55.5% to -5.1%)#**	**-48.4% (-60.7% to -32.5%)#**	**-25.7% (-36.7% to -12.9%)#**	-12.2% (-23.6% to 0.8%)	2.8% (-12.3% to 22.3%)	**-20.9% (-38.0% to -0.3%)#**	**-28.9% (-44.1% to -11.2%)#**	**-26.9% (-41.0% to -10.4%)#**	-3.4% (-15.5% to 12.2%)
	Death #, 1990	577 (463 to 707)	144 (114 to 182)	517 (422 to 634)	320 (263 to 385)	131 (117 to 146)	96 (90 to 102)	91 (87 to 95)	1,238 (1,023 to 1,472)	1,558 (1,298 to 1,830)	1,876 (1,598 to 2,173)	187 (178 to 196)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Jamaica	Death #, 2000	552 (448 to 671)	130 (105 to 160)	221 (168 to 280)	156 (125 to 190)	115 (102 to 129)	78 (74 to 83)	128 (125 to 130)	903 (741 to 1,086)	1,059 (872 to 1,270)	1,380 (1,171 to 1,610)	206 (199 to 213)
	Death #, 2017	409 (286 to 574)	95 (67 to 133)	121 (69 to 197)	78 (55 to 109)	46 (40 to 54)	58 (52 to 65)	165 (142 to 189)	625 (436 to 878)	703 (492 to 989)	972 (744 to 1,268)	223 (196 to 252)
	% change 1990-2017	-29.0% (-53.9% to 5.9%)	**-34.2% (-55.9% to -1.2%)#**	**-76.7% (-87.5% to -58.6%)#**	**-75.6% (-83.2% to -65.1%)#**	**-64.8% (-70.8% to -57.7%)#**	**-39.1% (-46.1% to -31.5%)#**	**81.5% (56.0% to 108.9%)#**	**-49.5% (-65.9% to -25.3%)#**	**-54.9% (-69.2% to -33.4%)#**	**-48.2% (-61.4% to -28.8%)#**	**19.6% (4.0% to 36.2%)#**
	% change 2000-2017	-25.9% (-48.9% to 9.2%)	-27.0% (-50.0% to 7.4%)	**-45.4% (-68.2% to -6.7%)#**	**-50.0% (-65.1% to -28.7%)#**	**-59.8% (-66.2% to -51.6%)#**	**-25.4% (-33.7% to -16.5%)#**	**28.7% (10.6% to 47.0%)#**	-30.8% (-52.2% to 1.4%)	**-33.6% (-54.0% to -3.3%)#**	**-29.6% (-47.2% to -4.2%)#**	8.2% (-5.3% to 22.5%)
Puerto Rico	Death #, 1990	543 (506 to 578)	141 (123 to 160)	204 (177 to 231)	118 (97 to 144)	73 (70 to 76)	81 (79 to 82)	269 (266 to 273)	888 (836 to 941)	1,006 (953 to 1,062)	1,429 (1,370 to 1,490)	350 (345 to 355)
	Death #, 2000	298 (258 to 341)	124 (109 to 142)	144 (126 to 165)	68 (53 to 88)	53 (50 to 55)	58 (56 to 59)	267 (264 to 271)	567 (528 to 608)	635 (595 to 673)	1,013 (968 to 1,055)	325 (320 to 330)
	Death #, 2017	111 (92 to 132)	51 (43 to 60)	67 (58 to 77)	80 (76 to 84)	93 (91 to 95)	128 (126 to 129)	256 (247 to 264)	229 (193 to 269)	309 (270 to 353)	785 (741 to 837)	383 (374 to 393)
	% change 1990-2017	**-79.5% (-83.2% to -75.4%)#**	**-64.0% (-71.2% to -54.9%)#**	**-67.0% (-72.7% to -59.4%)#**	**-32.7% (-44.8% to -17.9%)#**	**27.8% (22.3% to 34.1%)#**	**58.5% (54.6% to 62.7%)#**	**-5.0% (-8.5% to -1.6%)#**	**-74.2% (-78.5% to -69.2%)#**	**-69.3% (-73.5% to -64.6%)#**	**-45.0% (-48.9% to -40.6%)#**	**9.6% (6.4% to 12.7%)#**
	% change 2000-2017	**-62.8% (-70.5% to -54.1%)#**	**-59.0% (-67.2% to -49.2%)#**	**-53.4% (-61.7% to -43.9%)#**	16.3% (-8.9% to 53.5%)	**77.1% (68.4% to 86.2%)#**	**121.9% (115.8% to 128.1%)#**	**-4.4% (-8.1% to -1.0%)#**	**-59.5% (-66.1% to -51.6%)#**	**-51.4% (-57.8% to -43.7%)#**	**-22.4% (-28.0% to -16.3%)#**	**17.9% (14.5% to 21.2%)#**
St Lucia	Death #, 1990	40 (34 to 47)	5 (5 to 6)	17 (14 to 21)	16 (13 to 20)	6 (5 to 6)	6 (6 to 7)	12 (12 to 12)	63 (53 to 73)	78 (66 to 92)	102 (89 to 118)	18 (18 to 19)
	Death #, 2000	26 (22 to 31)	6 (4 to 7)	11 (8 to 13)	8 (6 to 11)	8 (7 to 9)	6 (6 to 7)	12 (12 to 13)	42 (36 to 50)	51 (42 to 61)	78 (68 to 89)	19 (18 to 19)
	Death #, 2017	18 (13 to 26)	4 (3 to 5)	6 (4 to 8)	3 (2 to 4)	3 (2 to 3)	4 (4 to 4)	9 (9 to 10)	28 (19 to 39)	31 (21 to 44)	47 (36 to 61)	13 (12 to 14)
	% change 1990-2017	**-54.3% (-70.4% to -32.8%)#**	**-33.4% (-56.1% to -2.1%)#**	**-66.4% (-78.7% to -49.0%)#**	**-81.4% (-88.2% to -71.0%)#**	**-51.1% (-59.5% to -41.1%)#**	**-35.8% (-42.4% to -28.4%)#**	**-23.9% (-29.0% to -18.4%)#**	**-55.8% (-71.4% to -35.1%)#**	**-61.0% (-74.9% to -42.3%)#**	**-54.5% (-66.5% to -38.4%)#**	**-28.0% (-33.1% to -22.0%)#**
	% change 2000-2017	**-30.9% (-52.7% to -1.1%)#**	**-33.8% (-55.4% to -4.0%)#**	**-45.4% (-64.4% to -18.1%)#**	**-64.5% (-77.6% to -45.8%)#**	**-67.3% (-72.8% to -60.6%)#**	**-36.0% (-42.5% to -28.7%)#**	**-26.3% (-31.5% to -21.0%)#**	**-34.9% (-55.4% to -7.2%)#**	**-39.7% (-59.3% to -12.9%)#**	**-40.2% (-54.7% to -21.3%)#**	**-29.6% (-34.9% to -24.3%)#**
St Vincent	Death #, 1990	33 (28 to 39)	8 (6 to 9)	22 (19 to 26)	15 (12 to 18)	4 (4 to 5)	5 (5 to 6)	8 (8 to 9)	63 (54 to 74)	78 (66 to 90)	95 (82 to 109)	14 (13 to 14)
	Death #, 2000	24 (20 to 28)	7 (6 to 9)	13 (11 to 16)	8 (6 to 10)	6 (6 to 7)	6 (6 to 6)	10 (10 to 10)	44 (37 to 52)	52 (43 to 62)	74 (64 to 85)	16 (15 to 17)
	Death #, 2017	13 (9 to 19)	4 (3 to 6)	7 (5 to 10)	3 (2 to 4)	3 (2 to 3)	6 (5 to 6)	8 (8 to 9)	24 (17 to 34)	28 (20 to 38)	44 (35 to 56)	14 (13 to 15)
	% change 1990-2017	**-60.2% (-72.5% to -41.5%)#**	**-44.4% (-61.4% to -19.8%)#**	**-68.7% (-78.3% to -54.7%)#**	**-78.7% (-86.2% to -67.7%)#**	**-27.7% (-40.1% to -11.6%)#**	7.5% (-2.9% to 19.2%)	-2.7% (-8.7% to 3.5%)	**-61.3% (-73.0% to -43.7%)#**	**-64.5% (-75.7% to -48.7%)#**	**-53.6% (-64.2% to -38.9%)#**	1.2% (-5.9% to 8.8%)
	% change 2000-2017	**-44.4% (-61.0% to -21.5%)#**	**-37.9% (-57.7% to -9.5%)#**	**-47.7% (-63.3% to -24.3%)#**	**-59.8% (-72.7% to -41.4%)#**	**-53.6% (-60.9% to -44.9%)#**	-7.4% (-15.8% to 2.1%)	**-16.9% (-21.5% to -12.0%)#**	**-44.4% (-61.2% to -21.0%)#**	**-46.7% (-62.6% to -24.4%)#**	**-40.1% (-53.1% to -22.7%)#**	**-13.3% (-19.1% to -7.2%)#**
Suriname	Death #, 1990	217 (187 to 252)	59 (51 to 69)	174 (151 to 203)	66 (54 to 83)	34 (31 to 37)	25 (23 to 26)	49 (46 to 51)	450 (389 to 524)	517 (447 to 595)	624 (549 to 707)	73 (70 to 77)
	Death #, 2000	186 (161 to 214)	54 (46 to 62)	136 (118 to 156)	47 (41 to 55)	21 (19 to 24)	26 (25 to 28)	41 (39 to 43)	375 (326 to 431)	423 (366 to 484)	511 (451 to 578)	67 (64 to 71)
	Death #, 2017	134 (109 to 162)	38 (31 to 46)	77 (63 to 93)	29 (23 to 35)	17 (15 to 20)	24 (22 to 26)	49 (44 to 54)	250 (204 to 302)	278 (228 to 336)	369 (313 to 432)	73 (67 to 79)
	% change 1990-2017	**-38.1% (-51.9% to -22.2%)#**	**-35.6% (-49.8% to -19.2%)#**	**-55.6% (-65.4% to -44.6%)#**	**-57.0% (-67.0% to -42.6%)#**	**-48.5% (-56.7% to -39.4%)#**	-2.5% (-12.6% to 8.6%)	0.6% (-10.0% to 12.5%)	**-44.5% (-56.8% to -30.4%)#**	**-46.1% (-57.7% to -32.7%)#**	**-40.9% (-51.9% to -28.4%)#**	-0.4% (-10.3% to 10.6%)
	% change 2000-2017	**-27.9% (-42.8% to -10.2%)#**	**-28.5% (-43.3% to -11.2%)#**	**-43.0% (-54.8% to -29.4%)#**	**-39.8% (-52.3% to -24.7%)#**	**-19.1% (-30.9% to -4.7%)#**	-8.4% (-17.1% to 1.4%)	**19.6% (6.7% to 32.7%)#**	**-33.4% (-47.1% to -17.3%)#**	**-34.1% (-47.5% to -18.4%)#**	**-27.9% (-40.4% to -13.5%)#**	8.6% (-1.8% to 19.7%)
Trinidad Tobago	Death #, 1990	287 (248 to 328)	87 (75 to 99)	144 (124 to 163)	85 (74 to 98)	81 (73 to 90)	64 (61 to 68)	99 (97 to 102)	518 (447 to 590)	603 (523 to 687)	848 (754 to 944)	164 (158 to 169)
	Death #, 2000	231 (192 to 274)	70 (57 to 84)	136 (107 to 169)	74 (55 to 95)	40 (35 to 44)	49 (46 to 52)	105 (102 to 107)	437 (375 to 504)	510 (435 to 593)	704 (620 to 795)	154 (148 to 159)
	Death #, 2017	138 (97 to 193)	62 (43 to 87)	79 (56 to 110)	44 (31 to 60)	27 (23 to 31)	29 (26 to 32)	73 (60 to 86)	278 (196 to 390)	322 (227 to 452)	450 (348 to 591)	102 (86 to 118)
	% change 1990-2017	**-52.1% (-67.3% to -30.6%)#**	-29.1% (-51.7% to 2.6%)	**-45.2% (-62.5% to -21.0%)#**	**-48.5% (-65.0% to -25.7%)#**	**-67.2% (-72.6% to -59.9%)#**	**-55.2% (-60.8% to -48.8%)#**	**-26.9% (-39.5% to -12.9%)#**	**-46.3% (-63.4% to -22.3%)#**	**-46.6% (-63.5% to -22.8%)#**	**-46.9% (-60.1% to -28.8%)#**	**-38.0% (-47.2% to -27.7%)#**
	% change 2000-2017	**-40.3% (-59.2% to -13.7%)#**	-11.6% (-41.0% to 29.5%)	**-42.1% (-61.9% to -13.6%)#**	**-40.7% (-61.1% to -9.7%)#**	**-32.8% (-44.1% to -18.5%)#**	**-41.1% (-48.3% to -32.8%)#**	**-30.6% (-42.8% to -17.1%)#**	**-36.3% (-56.1% to -8.6%)#**	**-36.9% (-56.5% to -9.2%)#**	**-36.0% (-51.8% to -15.3%)#**	**-34.0% (-44.2% to -23.3%)#**
Virgin Isl US	Death #, 1990	23 (20 to 26)	5 (4 to 6)	8 (6 to 10)	5 (4 to 6)	4 (3 to 4)	4 (3 to 4)	9 (9 to 10)	36 (31 to 41)	41 (35 to 47)	57 (51 to 64)	13 (12 to 14)
	Death #, 2000	11 (9 to 14)	4 (3 to 5)	4 (3 to 6)	4 (3 to 5)	2 (2 to 3)	3 (2 to 3)	7 (6 to 8)	19 (15 to 24)	23 (18 to 28)	34 (29 to 42)	9 (8 to 11)
	Death #, 2017	6 (4 to 8)	2 (1 to 3)	2 (2 to 3)	2 (1 to 3)	2 (1 to 2)	2 (2 to 2)	4 (4 to 5)	10 (7 to 14)	12 (8 to 16)	20 (16 to 25)	6 (6 to 7)
	% change 1990-2017	**-74.5% (-82.8% to -63.6%)#**	**-63.0% (-75.1% to -45.4%)#**	**-72.8% (-81.6% to -59.7%)#**	**-59.0% (-71.9% to -37.6%)#**	**-56.1% (-64.1% to -47.4%)#**	**-51.0% (-56.3% to -45.0%)#**	**-53.2% (-57.2% to -48.0%)#**	**-72.5% (-81.2% to -61.4%)#**	**-70.9% (-79.9% to -58.9%)#**	**-65.8% (-73.4% to -56.2%)#**	**-52.6% (-56.6% to -47.5%)#**
	% change 2000-2017	**-47.6% (-65.1% to -21.5%)#**	**-45.8% (-63.6% to -18.1%)#**	**-50.3% (-66.8% to -24.6%)#**	**-46.9% (-63.0% to -23.2%)#**	**-31.7% (-44.6% to -17.0%)#**	**-29.7% (-39.4% to -19.2%)#**	**-33.6% (-43.8% to -22.1%)#**	**-47.9% (-64.8% to -21.4%)#**	**-47.7% (-64.3% to -22.1%)#**	**-42.5% (-56.3% to -23.4%)#**	**-32.5% (-42.3% to -21.7%)#**
Central Latin America	Death #, 1990	62,409 (59,531 to 65,161)	19,413 (18,511 to 20,267)	76,920 (73,892 to 80,039)	41,661 (39,261 to 44,204)	15,752 (15,456 to 16,047)	11,922 (11,801 to 12,044)	21,773 (21,660 to 21,896)	158,742 (154,678 to 162,836)	200,404 (195,692 to 204,980)	249,851 (244,736 to 254,871)	33,695 (33,476 to 33,919)
	% of global total, 1990	2.0% (1.9% to 2.2%)	1.5% (1.4% to 1.6%)	2.0% (1.9% to 2.1%)	1.1% (1.1% to 1.2%)	1.8% (1.8% to 1.9%)	2.5% (2.5% to 2.6%)	3.2% (3.2% to 3.3%)	1.9% (1.9% to 2.0%)	1.7% (1.7% to 1.8%)	1.8% (1.8% to 1.9%)	3.0% (2.9% to 3.0%)
	Death #, 2000	45,951 (44,014 to 48,075)	14,848 (14,198 to 15,549)	47,860 (45,942 to 49,922)	25,640 (24,563 to 26,833)	10,401 (10,192 to 10,630)	9,557 (9,441 to 9,670)	22,664 (22,506 to 22,830)	108,658 (105,377 to 111,963)	134,298 (130,209 to 138,509)	176,921 (172,550 to 181,582)	32,221 (31,963 to 32,473)
	% of global total, 2000	1.7% (1.6% to 1.8%)	1.6% (1.5% to 1.7%)	1.6% (1.5% to 1.6%)	0.9% (0.8% to 0.9%)	1.5% (1.4% to 1.5%)	2.0% (1.9% to 2.0%)	3.3% (3.3% to 3.4%)	1.6% (1.6% to 1.7%)	1.4% (1.3% to 1.4%)	1.5% (1.5% to 1.6%)	2.8% (2.7% to 2.8%)
	Death #, 2017	25,114 (23,181 to 27,390)	9,627 (8,789 to 10,595)	25,745 (23,846 to 27,909)	13,248 (12,306 to 14,338)	6,638 (6,404 to 6,890)	7,746 (7,560 to 7,935)	22,837 (21,956 to 23,721)	60,486 (55,948 to 65,657)	73,734 (68,355 to 80,097)	110,954 (104,966 to 117,668)	30,583 (29,590 to 31,593)
	% of global total, 2017	1.4% (1.2% to 1.5%)	1.9% (1.7% to 2.1%)	1.6% (1.4% to 1.7%)	0.9% (0.9% to 1.0%)	1.6% (1.6% to 1.7%)	2.4% (2.4% to 2.5%)	4.4% (4.2% to 4.6%)	1.5% (1.4% to 1.7%)	1.4% (1.3% to 1.5%)	1.7% (1.6% to 1.8%)	3.7% (3.5% to 3.8%)
	% change 1990-2017	**-59.8% (-63.3% to -55.8%)#**	**-50.4% (-55.3% to -45.1%)#**	**-66.5% (-69.2% to -63.4%)#**	**-68.2% (-71.2% to -64.9%)#**	**-57.9% (-59.5% to -56.0%)#**	**-35.0% (-36.6% to -33.4%)#**	**4.9% (0.7% to 9.0%)#**	**-61.9% (-64.9% to -58.4%)#**	**-63.2% (-66.1% to -59.9%)#**	**-55.6% (-58.2% to -52.7%)#**	**-9.2% (-12.2% to -6.2%)#**
	% change 2000-2017	**-45.4% (-50.0% to -39.7%)#**	**-35.2% (-41.4% to -27.9%)#**	**-46.2% (-50.6% to -41.1%)#**	**-48.3% (-52.6% to -43.7%)#**	**-36.2% (-38.8% to -33.4%)#**	**-19.0% (-21.0% to -16.9%)#**	0.8% (-3.3% to 4.6%)	**-44.3% (-48.6% to -39.4%)#**	**-45.1% (-49.3% to -40.2%)#**	**-37.3% (-40.7% to -33.4%)#**	**-5.1% (-8.2% to -2.0%)#**
	Death #, 1990	13,096 (11,675 to 14,580)	2,811 (2,528 to 3,112)	9,128 (7,917 to 10,488)	5,431 (4,906 to 6,020)	2,649 (2,481 to 2,830)	2,188 (2,113 to 2,267)	5,677 (5,614 to 5,736)	25,035 (22,739 to 27,512)	30,466 (27,691 to 33,422)	40,981 (37,931 to 44,205)	7,865 (7,729 to 8,001)
	Death #, 2000	10,138 (8,934 to 11,458)	2,722 (2,414 to 3,050)	7,031 (6,280 to 7,806)	3,971 (3,521 to 4,435)	2,020 (1,881 to 2,168)	2,003 (1,927 to 2,078)	6,958 (6,887 to 7,028)	19,891 (17,650 to 22,319)	23,862 (21,196 to 26,762)	34,843 (31,875 to 38,014)	8,961 (8,815 to 9,107)

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eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Colombia	Death #, 2017	4,552 (3,246 to 6,287)	1,565 (1,128 to 2,140)	3,652 (2,703 to 4,864)	1,903 (1,424 to 2,506)	1,119 (978 to 1,282)	1,264 (1,162 to 1,371)	3,660 (3,252 to 4,101)	9,769 (7,076 to 13,288)	11,672 (8,481 to 15,799)	17,716 (14,215 to 22,039)	4,924 (4,449 to 5,444)
	% change 1990-2017	**-65.2% (-75.9% to -51.3%)#**	**-44.3% (-61.1% to -22.9%)#**	**-60.0% (-70.8% to -45.2%)#**	**-65.0% (-74.2% to -53.0%)#**	**-57.7% (-63.5% to -51.1%)#**	**-42.2% (-47.2% to -36.9%)#**	**-35.5% (-42.6% to -27.8%)#**	**-61.0% (-72.3% to -46.5%)#**	**-61.7% (-72.6% to -47.7%)#**	**-56.8% (-66.0% to -45.5%)#**	**-37.4% (-43.5% to -30.7%)#**
	% change 2000-2017	**-55.1% (-68.4% to -37.7%)#**	**-42.5% (-59.4% to -20.2%)#**	**-48.1% (-62.0% to -28.9%)#**	**-52.1% (-64.5% to -35.8%)#**	**-44.6% (-52.0% to -35.7%)#**	**-36.9% (-42.3% to -30.8%)#**	**-47.4% (-53.2% to -41.2%)#**	**-50.9% (-65.1% to -32.1%)#**	**-51.1% (-65.0% to -32.8%)#**	**-49.2% (-59.7% to -35.2%)#**	**-45.0% (-50.4% to -39.2%)#**
Costa Rica	Death #, 1990	590 (531 to 649)	152 (133 to 172)	420 (369 to 483)	208 (175 to 243)	99 (96 to 103)	98 (96 to 100)	163 (160 to 165)	1,162 (1,104 to 1,224)	1,371 (1,314 to 1,435)	1,730 (1,668 to 1,801)	260 (257 to 264)
	Death #, 2000	427 (385 to 467)	129 (110 to 148)	245 (210 to 285)	142 (122 to 161)	80 (77 to 83)	107 (105 to 109)	232 (229 to 236)	801 (748 to 854)	943 (888 to 1,000)	1,362 (1,301 to 1,425)	339 (334 to 344)
	Death #, 2017	295 (240 to 357)	79 (64 to 96)	117 (97 to 141)	77 (65 to 92)	56 (48 to 64)	70 (65 to 76)	205 (192 to 217)	491 (401 to 593)	569 (467 to 685)	899 (784 to 1,032)	275 (258 to 291)
	% change 1990-2017	**-50.0% (-60.3% to -37.2%)#**	**-47.9% (-59.2% to -34.8%)#**	**-72.1% (-78.0% to -64.9%)#**	**-62.9% (-70.8% to -51.9%)#**	**-43.9% (-51.1% to -35.0%)#**	**-28.3% (-33.6% to -22.1%)#**	**25.8% (17.7% to 33.8%)#**	**-57.7% (-65.8% to -48.1%)#**	**-58.5% (-66.2% to -49.6%)#**	**-48.0% (-55.2% to -39.6%)#**	5.5% (-0.9% to 12.1%)
	% change 2000-2017	**-30.9% (-44.9% to -14.0%)#**	**-38.2% (-51.9% to -20.2%)#**	**-52.2% (-62.3% to -39.4%)#**	**-45.5% (-56.2% to -32.5%)#**	**-30.4% (-39.5% to -19.7%)#**	**-34.4% (-39.5% to -29.0%)#**	**-12.0% (-17.5% to -6.4%)#**	**-38.6% (-50.2% to -24.9%)#**	**-39.7% (-50.8% to -26.8%)#**	**-34.0% (-42.9% to -23.4%)#**	**-19.1% (-23.8% to -14.1%)#**
El Salvador	Death #, 1990	2,416 (1,929 to 2,976)	722 (604 to 861)	3,272 (2,642 to 3,943)	1,771 (1,477 to 2,111)	602 (567 to 642)	544 (526 to 563)	1,124 (1,109 to 1,139)	6,411 (5,806 to 7,155)	8,182 (7,507 to 8,940)	10,452 (9,711 to 11,275)	1,668 (1,638 to 1,700)
	Death #, 2000	1,308 (1,055 to 1,574)	357 (293 to 424)	1,648 (1,399 to 1,934)	671 (536 to 816)	396 (365 to 429)	334 (319 to 350)	878 (842 to 916)	3,313 (2,988 to 3,687)	3,984 (3,594 to 4,418)	5,591 (5,153 to 6,094)	1,212 (1,165 to 1,262)
	Death #, 2017	446 (310 to 629)	162 (113 to 229)	557 (362 to 811)	193 (146 to 254)	134 (116 to 154)	214 (192 to 240)	866 (737 to 1,020)	1,166 (846 to 1,586)	1,359 (993 to 1,838)	2,573 (2,129 to 3,117)	1,080 (937 to 1,250)
	% change 1990-2017	**-81.5% (-88.3% to -70.9%)#**	**-77.6% (-85.2% to -66.5%)#**	**-83.0% (-90.1% to -73.2%)#**	**-89.1% (-92.4% to -84.6%)#**	**-77.8% (-81.0% to -74.2%)#**	**-60.7% (-65.0% to -55.7%)#**	**-22.9% (-34.6% to -9.6%)#**	**-81.8% (-86.9% to -75.0%)#**	**-83.4% (-88.0% to -77.5%)#**	**-75.4% (-80.0% to -69.8%)#**	**-35.2% (-44.1% to -25.3%)#**
	% change 2000-2017	**-65.9% (-77.6% to -47.5%)#**	**-54.6% (-69.7% to -31.4%)#**	**-66.2% (-79.6% to -48.5%)#**	**-71.2% (-80.1% to -59.1%)#**	**-66.3% (-71.1% to -60.6%)#**	**-36.0% (-42.8% to -28.4%)#**	-1.3% (-16.4% to 15.8%)	**-64.8% (-74.6% to -52.1%)#**	**-65.9% (-75.4% to -53.4%)#**	**-54.0% (-62.5% to -43.6%)#**	-10.9% (-23.2% to 2.8%)
Guatemala	Death #, 1990	4,717 (4,056 to 5,431)	2,389 (2,069 to 2,737)	10,200 (9,180 to 11,216)	8,988 (7,583 to 10,482)	2,441 (2,276 to 2,610)	1,364 (1,315 to 1,410)	1,657 (1,637 to 1,678)	17,306 (15,752 to 18,948)	26,295 (24,163 to 28,539)	31,757 (29,408 to 34,228)	3,021 (2,954 to 3,086)
	Death #, 2000	3,908 (3,326 to 4,541)	1,830 (1,585 to 2,070)	7,174 (6,289 to 8,117)	4,860 (4,184 to 5,620)	1,238 (1,141 to 1,335)	938 (899 to 976)	1,858 (1,832 to 1,883)	12,913 (11,587 to 14,284)	17,773 (15,993 to 19,533)	21,808 (19,868 to 23,699)	2,797 (2,733 to 2,857)
	Death #, 2017	2,665 (1,905 to 3,657)	1,891 (1,360 to 2,585)	4,662 (3,385 to 6,319)	2,682 (1,992 to 3,589)	807 (704 to 927)	850 (780 to 927)	2,128 (1,931 to 2,349)	9,219 (6,652 to 12,551)	11,900 (8,643 to 16,086)	15,686 (12,155 to 20,028)	2,978 (2,733 to 3,264)
	% change 1990-2017	**-43.5% (-60.3% to -19.9%)#**	-20.8% (-45.0% to 11.6%)	**-54.3% (-67.1% to -36.9%)#**	**-70.2% (-78.7% to -58.5%)#**	**-66.9% (-71.5% to -61.4%)#**	**-37.7% (-43.1% to -31.5%)#**	**28.4% (16.9% to 42.5%)#**	**-46.7% (-62.1% to -26.0%)#**	**-54.7% (-67.3% to -38.0%)#**	**-50.6% (-61.8% to -35.8%)#**	-1.4% (-9.8% to 8.5%)
	% change 2000-2017	**-31.8% (-53.4% to -3.2%)#**	3.4% (-26.8% to 43.6%)	**-35.0% (-53.0% to -9.5%)#**	**-44.8% (-60.8% to -24.6%)#**	**-34.8% (-44.3% to -23.8%)#**	-9.4% (-17.6% to 0.0%)	**14.5% (4.2% to 27.0%)#**	**-28.6% (-48.8% to -1.6%)#**	**-33.0% (-51.6% to -8.5%)#**	**-28.1% (-44.5% to -7.0%)#**	6.5% (-2.4% to 17.2%)
Honduras	Death #, 1990	2240 (1817 to 2651)	855 (781 to 929)	3255 (2836 to 3674)	2326 (1954 to 2712)	1249 (1164 to 1333)	612 (573 to 651)	721 (652 to 795)	6351 (5863 to 6878)	8677 (7946 to 9457)	11259 (10418 to 12125)	1333 (1228 to 1440)
	Death #, 2000	2251 (1896 to 2633)	845 (761 to 924)	1960 (1644 to 2325)	1454 (1167 to 1763)	808 (739 to 878)	530 (482 to 577)	827 (700 to 961)	5056 (4506 to 5649)	6510 (5732 to 7287)	8675 (7817 to 9573)	1357 (1188 to 1535)
	Death #, 2017	1282 (1036 to 1571)	443 (359 to 542)	909 (738 to 1112)	640 (522 to 780)	471 (403 to 551)	397 (353 to 443)	869 (729 to 1009)	2633 (2133 to 3222)	3273 (2660 to 4006)	5010 (4224 to 5873)	1266 (1094 to 1448)
	% change 1990-2017	**-42.8% (-56.5% to -23.3%)#**	**-48.2% (-58.8% to -34.8%)#**	**-72.1% (-78.2% to -64.4%)#**	**-72.5% (-78.5% to -64.1%)#**	**-62.3% (-67.9% to -54.8%)#**	**-35.1% (-43.3% to -26.2%)#**	20.5% (-1.4% to 45.5%)	**-58.5% (-66.7% to -47.6%)#**	**-62.3% (-69.8% to -52.4%)#**	**-55.5% (-62.9% to -46.5%)#**	-5.0% (-20.0% to 11.8%)
	% change 2000-2017	**-43.1% (-56.8% to -25.2%)#**	**-47.5% (-58.0% to -34.3%)#**	**-53.6% (-64.3% to -39.0%)#**	**-56.0% (-66.6% to -41.4%)#**	**-41.7% (-51.0% to -30.4%)#**	**-25.2% (-35.1% to -13.8%)#**	5.1% (-17.0% to 31.0%)	**-47.9% (-59.4% to -34.5%)#**	**-49.7% (-60.2% to -36.7%)#**	**-42.2% (-52.4% to -29.8%)#**	-6.7% (-23.2% to 12.3%)
Mexico	Death #, 1990	29,320 (27,390 to 31,334)	9,538 (8,864 to 10,221)	39,935 (37,660 to 42,119)	17,726 (16,042 to 19,365)	7,018 (6,854 to 7,187)	5,614 (5,545 to 5,684)	9,566 (9,528 to 9,604)	78,794 (76,048 to 81,810)	96,520 (93,592 to 99,452)	118,717 (115,568 to 121,784)	15,180 (15,076 to 15,285)
	Death #, 2000	21,804 (20,486 to 23,078)	6,799 (6,308 to 7,334)	23,915 (22,574 to 25,413)	10,952 (10,480 to 11,449)	4,433 (4,325 to 4,545)	4,294 (4,237 to 4,353)	7,650 (7,619 to 7,683)	52,519 (50,646 to 54,351)	63,471 (61,384 to 65,643)	79,848 (77,560 to 82,239)	11,944 (11,860 to 12,034)
	Death #, 2017	10,774 (10,168 to 11,378)	3,537 (3,344 to 3,756)	12,624 (11,970 to 13,347)	5,850 (5,557 to 6,145)	3,114 (3,013 to 3,222)	3,761 (3,691 to 3,831)	10,182 (10,072 to 10,291)	26,935 (25,738 to 28,256)	32,785 (31,336 to 34,302)	49,842 (48,173 to 51,554)	13,943 (13,784 to 14,103)
	% change 1990-2017	**-63.2% (-66.3% to -60.0%)#**	**-62.9% (-66.2% to -59.0%)#**	**-68.4% (-70.7% to -65.8%)#**	**-67.0% (-70.2% to -63.2%)#**	**-55.6% (-57.4% to -53.8%)#**	**-33.0% (-34.5% to -31.5%)#**	**6.4% (5.2% to 7.6%)#**	**-65.8% (-67.8% to -63.8%)#**	**-66.0% (-67.8% to -64.1%)#**	**-58.0% (-59.8% to -56.1%)#**	**-8.2% (-9.4% to -7.0%)#**
	% change 2000-2017	**-50.6% (-54.9% to -46.3%)#**	**-48.0% (-52.9% to -43.1%)#**	**-47.2% (-51.3% to -42.8%)#**	**-46.6% (-50.1% to -42.9%)#**	**-29.8% (-32.7% to -26.8%)#**	**-12.4% (-14.3% to -10.5%)#**	**33.1% (31.7% to 34.6%)#**	**-48.7% (-51.5% to -45.8%)#**	**-48.4% (-51.1% to -45.6%)#**	**-37.6% (-40.2% to -34.9%)#**	**16.7% (15.2% to 18.4%)#**
Aguascalientes	Death #, 1990	420 (304 to 547)	72 (51 to 94)	302 (235 to 368)	101 (65 to 143)	51 (45 to 57)	39 (37 to 42)	75 (73 to 77)	793 (653 to 938)	894 (757 to 1,038)	1,059 (914 to 1,213)	115 (110 to 119)
	Death #, 2000	262 (190 to 343)	61 (42 to 82)	158 (120 to 203)	79 (61 to 102)	41 (36 to 47)	41 (38 to 44)	68 (67 to 70)	481 (404 to 570)	561 (469 to 663)	711 (610 to 824)	110 (105 to 114)
	Death #, 2017	131 (108 to 159)	38 (31 to 47)	128 (104 to 156)	53 (44 to 64)	23 (20 to 27)	43 (40 to 47)	113 (107 to 119)	297 (243 to 362)	351 (287 to 425)	530 (458 to 613)	156 (148 to 164)
	% change 1990-2017	**-68.8% (-77.5% to -56.2%)#**	**-46.7% (-63.3% to -22.5%)#**	**-57.5% (-66.6% to -46.0%)#**	**-47.0% (-65.2% to -15.8%)#**	**-54.8% (-62.9% to -45.6%)#**	9.2% (-1.7% to 21.2%)	**50.4% (42.0% to 59.4%)#**	**-62.5% (-70.7% to -52.5%)#**	**-60.8% (-69.0% to -50.8%)#**	**-50.0% (-58.3% to -39.8%)#**	**36.2% (28.0% to 45.2%)#**
	% change 2000-2017	**-50.1% (-63.8% to -27.1%)#**	**-36.9% (-54.5% to -9.8%)#**	-19.1% (-42.3% to 14.8%)	**-32.5% (-50.0% to -8.6%)#**	**-44.6% (-54.6% to -32.0%)#**	4.3% (-6.9% to 16.6%)	**65.3% (56.2% to 74.9%)#**	**-38.2% (-51.7% to -19.6%)#**	**-37.4% (-51.5% to -18.2%)#**	**-25.6% (-39.4% to -7.6%)#**	**42.3% (32.8% to 52.7%)#**
Baja CA	Death #, 1990	540 (397 to 708)	112 (81 to 147)	501 (377 to 631)	170 (111 to 252)	82 (71 to 93)	76 (70 to 82)	224 (218 to 229)	1,153 (950 to 1,376)	1,323 (1,111 to 1,557)	1,705 (1,475 to 1,961)	300 (289 to 311)
	Death #, 2000	564 (399 to 737)	113 (87 to 144)	465 (346 to 604)	163 (126 to 207)	98 (85 to 113)	84 (78 to 91)	203 (199 to 208)	1,142 (932 to 1,382)	1,305 (1,074 to 1,576)	1,690 (1,440 to 1,984)	287 (276 to 299)
	Death #, 2017	240 (200 to 289)	64 (53 to 79)	257 (213 to 310)	105 (89 to 126)	61 (53 to 70)	88 (81 to 95)	258 (246 to 269)	562 (467 to 675)	667 (556 to 799)	1,073 (944 to 1,228)	346 (328 to 363)
	% change 1990-2017	**-55.6% (-68.0% to -35.4%)#**	**-42.5% (-59.6% to -13.5%)#**	**-48.6% (-61.2% to -30.7%)#**	-38.0% (-60.3% to 1.6%)	**-25.4% (-37.9% to -8.7%)#**	**15.5% (3.8% to 29.3%)#**	**15.3% (9.5% to 21.6%)#**	**-51.3% (-61.8% to -35.5%)#**	**-49.6% (-60.2% to -34.4%)#**	**-37.0% (-47.3% to -22.5%)#**	**15.3% (8.7% to 22.7%)#**
	% change 2000-2017	**-57.4% (-69.5% to -37.8%)#**	**-43.2% (-57.6% to -22.5%)#**	**-44.7% (-62.3% to -19.1%)#**	**-35.4% (-51.9% to -13.7%)#**	**-37.7% (-49.3% to -23.3%)#**	4.7% (-6.8% to 17.4%)	**26.7% (20.3% to 33.5%)#**	**-50.8% (-62.6% to -34.4%)#**	**-48.9% (-60.9% to -32.9%)#**	**-36.5% (-48.4% to -20.9%)#**	**20.3% (12.2% to 28.2%)#**
Baja CA Sur	Death #, 1990	120 (89 to 154)	14 (10 to 19)	62 (49 to 77)	27 (18 to 38)	13 (12 to 14)	11 (11 to 12)	32 (31 to 33)	197 (164 to 231)	224 (195 to 256)	280 (249 to 313)	43 (42 to 44)
	Death #, 2000	94 (71 to 117)	19 (14 to 25)	62 (48 to 78)	28 (22 to 35)	15 (14 to 17)	13 (13 to 14)	28 (27 to 29)	175 (153 to 199)	203 (179 to 229)	260 (233 to 288)	41 (40 to 42)
	Death #, 2017	61 (48 to 74)	15 (10 to 20)	46 (36 to 58)	21 (17 to 27)	17 (14 to 20)	23 (21 to 25)	51 (48 to 53)	121 (95 to 150)	142 (112 to 177)	233 (197 to 274)	74 (70 to 78)
	% change 1990-2017	**-49.5% (-65.6% to -23.4%)#**	3.3% (-43.0% to 82.5%)	**-26.8% (-44.0% to -5.4%)#**	-21.3% (-45.3% to 10.9%)	**32.1% (11.0% to 58.0%)#**	**107.6% (89.5% to 128.0%)#**	**58.8% (50.7% to 67.2%)#**	**-38.5% (-56.0% to -13.9%)#**	**-36.4% (-53.3% to -14.7%)#**	-16.7% (-33.9% to 4.1%)	**71.4% (61.8% to 81.3%)#**
	% change 2000-2017	**-35.4% (-52.6% to -10.8%)#**	-23.5% (-44.4% to 6.4%)	-26.7% (-48.8% to 4.3%)	-23.4% (-42.8% to 5.0%)	10.8% (-7.3% to 31.9%)	**73.4% (58.1% to 90.6%)#**	**81.6% (73.0% to 90.9%)#**	**-31.0% (-44.8% to -14.1%)#**	**-30.0% (-43.9% to -12.8%)#**	-10.3% (-24.0% to 5.8%)	**78.9% (68.9% to 89.9%)#**
	Death #, 1990	145 (109 to 185)	98 (65 to 138)	268 (207 to 335)	130 (79 to 197)	40 (35 to 45)	35 (33 to 38)	56 (55 to 57)	510 (429 to 596)	640 (550 to 736)	771 (674 to 872)	91 (88 to 95)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Campeche	Death #, 2000	134 (101 to 169)	61 (43 to 82)	139 (109 to 174)	64 (52 to 78)	30 (26 to 35)	27 (25 to 29)	46 (45 to 48)	334 (280 to 393)	398 (333 to 469)	502 (430 to 580)	73 (70 to 77)
	Death #, 2017	103 (80 to 132)	35 (27 to 45)	77 (60 to 96)	37 (31 to 44)	21 (18 to 24)	24 (23 to 27)	70 (67 to 73)	215 (178 to 260)	252 (210 to 304)	367 (319 to 426)	94 (89 to 99)
	% change 1990-2017	-28.9% (-50.6% to 5.2%)	**-64.2% (-77.6% to -39.9%)#**	**-71.3% (-79.0% to -61.1%)#**	**-71.6% (-82.3% to -50.8%)#**	**-47.6% (-56.3% to -36.7%)#**	**-31.0% (-37.6% to -23.1%)#**	**24.6% (17.8% to 31.4%)#**	**-57.9% (-66.6% to -46.6%)#**	**-60.7% (-68.3% to -50.9%)#**	**-52.5% (-60.2% to -42.7%)#**	3.0% (-3.6% to 9.8%)
	% change 2000-2017	-22.8% (-44.1% to 6.7%)	**-42.3% (-58.0% to -14.7%)#**	**-45.0% (-60.9% to -22.7%)#**	**-43.0% (-55.3% to -26.2%)#**	**-31.2% (-43.3% to -16.8%)#**	-9.3% (-18.8% to 1.2%)	**50.5% (41.6% to 59.1%)#**	**-35.6% (-49.3% to -17.7%)#**	**-36.8% (-50.3% to -19.7%)#**	**-26.9% (-39.6% to -10.8%)#**	**28.5% (19.8% to 37.6%)#**
Chiapas	Death #, 1990	705 (454 to 1,015)	646 (453 to 870)	3,135 (2,458 to 3,836)	1,354 (897 to 1,894)	572 (525 to 627)	348 (332 to 365)	446 (438 to 454)	4,486 (3,782 to 5,256)	5,840 (4,993 to 6,758)	7,205 (6,294 to 8,199)	793 (770 to 819)
	Death #, 2000	435 (289 to 621)	431 (300 to 583)	1,880 (1,408 to 2,420)	817 (699 to 957)	335 (304 to 368)	271 (257 to 285)	419 (411 to 427)	2,747 (2,303 to 3,274)	3,564 (3,056 to 4,157)	4,589 (4,034 to 5,235)	690 (669 to 712)
	Death #, 2017	241 (165 to 349)	259 (209 to 318)	983 (796 to 1,202)	439 (362 to 524)	273 (233 to 317)	242 (222 to 263)	544 (516 to 572)	1,483 (1,197 to 1,820)	1,922 (1,565 to 2,334)	2,981 (2,555 to 3,471)	786 (743 to 831)
	% change 1990-2017	**-65.8% (-79.5% to -40.2%)#**	**-59.9% (-70.9% to -41.3%)#**	**-68.6% (-77.4% to -54.9%)#**	**-67.5% (-78.1% to -50.3%)#**	**-52.3% (-60.3% to -43.8%)#**	**-30.4% (-36.7% to -23.8%)#**	**22.1% (15.9% to 28.4%)#**	**-66.9% (-75.2% to -56.6%)#**	**-67.1% (-74.8% to -57.3%)#**	**-58.6% (-66.5% to -49.0%)#**	-0.9% (-6.8% to 5.3%)
	% change 2000-2017	**-44.5% (-65.9% to -11.8%)#**	**-40.0% (-58.3% to -7.0%)#**	**-47.7% (-59.7% to -31.2%)#**	**-46.2% (-58.3% to -30.5%)#**	**-18.5% (-32.3% to -2.5%)#**	**-10.6% (-18.8% to -1.1%)#**	**29.8% (23.2% to 37.2%)#**	**-46.0% (-57.8% to -31.7%)#**	**-46.1% (-57.4% to -32.0%)#**	**-35.0% (-46.0% to -21.8%)#**	**13.9% (7.0% to 21.7%)#**
Chihuahua	Death #, 1990	654 (452 to 906)	240 (165 to 331)	1,087 (799 to 1,391)	433 (262 to 656)	190 (168 to 213)	170 (159 to 181)	410 (401 to 418)	1,981 (1,712 to 2,264)	2,414 (2,096 to 2,771)	3,183 (2,827 to 3,572)	579 (561 to 599)
	Death #, 2000	765 (540 to 1,020)	216 (151 to 292)	769 (601 to 943)	326 (264 to 398)	143 (125 to 163)	130 (121 to 140)	310 (303 to 317)	1,749 (1,422 to 2,102)	2,075 (1,725 to 2,471)	2,658 (2,274 to 3,088)	440 (425 to 457)
	Death #, 2017	436 (347 to 540)	122 (95 to 154)	419 (331 to 531)	202 (165 to 252)	85 (74 to 98)	129 (120 to 140)	362 (342 to 381)	976 (816 to 1,163)	1,178 (988 to 1,411)	1,754 (1,540 to 2,018)	491 (464 to 517)
	% change 1990-2017	-33.4% (-57.2% to 5.5%)	**-49.4% (-68.5% to -17.0%)#**	**-61.5% (-72.7% to -45.1%)#**	**-53.3% (-71.5% to -18.3%)#**	**-55.1% (-62.4% to -46.4%)#**	**-23.9% (-30.9% to -15.8%)#**	**-11.8% (-16.8% to -7.0%)#**	**-50.7% (-60.6% to -37.5%)#**	**-51.2% (-61.0% to -38.7%)#**	**-44.9% (-53.8% to -33.8%)#**	**-15.3% (-20.5% to -9.9%)#**
	% change 2000-2017	**-43.0% (-60.0% to -16.3%)#**	**-43.5% (-58.9% to -18.1%)#**	**-45.6% (-60.3% to -24.7%)#**	**-38.1% (-54.6% to -14.2%)#**	**-40.4% (-51.3% to -27.6%)#**	-0.9% (-11.3% to 10.8%)	**16.6% (9.9% to 23.1%)#**	**-44.2% (-57.0% to -26.6%)#**	**-43.2% (-56.4% to -25.7%)#**	**-34.0% (-46.7% to -18.3%)#**	**11.4% (3.8% to 18.9%)#**
Coahuila	Death #, 1990	647 (435 to 897)	327 (231 to 438)	632 (477 to 804)	305 (207 to 420)	111 (98 to 126)	112 (104 to 120)	190 (185 to 194)	1,605 (1,288 to 1,957)	1,910 (1,611 to 2,238)	2,323 (2,004 to 2,676)	301 (290 to 314)
	Death #, 2000	498 (375 to 632)	197 (140 to 266)	398 (305 to 503)	185 (150 to 225)	84 (74 to 96)	78 (72 to 83)	146 (142 to 149)	1,092 (923 to 1,287)	1,277 (1,076 to 1,502)	1,585 (1,363 to 1,828)	223 (215 to 232)
	Death #, 2017	379 (299 to 468)	121 (95 to 152)	300 (233 to 387)	131 (98 to 173)	68 (59 to 78)	67 (62 to 73)	210 (200 to 219)	801 (668 to 964)	932 (783 to 1,114)	1,276 (1,110 to 1,477)	276 (263 to 291)
	% change 1990-2017	**-41.4% (-63.6% to -0.3%)#**	**-62.9% (-73.8% to -42.9%)#**	**-52.4% (-66.5% to -32.2%)#**	**-57.0% (-72.0% to -31.4%)#**	**-39.2% (-49.7% to -26.1%)#**	**-40.2% (-46.0% to -33.7%)#**	**10.6% (4.9% to 16.6%)#**	**-50.1% (-62.3% to -32.7%)#**	**-51.2% (-61.5% to -37.2%)#**	**-45.1% (-54.9% to -32.1%)#**	**-8.3% (-13.7% to -2.2%)#**
	% change 2000-2017	-23.8% (-46.1% to 10.7%)	**-38.5% (-60.8% to -1.0%)#**	-24.5% (-46.9% to 4.9%)	-29.0% (-50.7% to 0.1%)	**-19.6% (-33.7% to -3.4%)#**	**-13.8% (-22.5% to -4.5%)#**	**43.8% (36.5% to 51.4%)#**	**-26.7% (-42.2% to -6.5%)#**	**-27.1% (-42.0% to -7.2%)#**	**-19.5% (-33.7% to -1.4%)#**	**23.8% (16.1% to 31.7%)#**
Colima	Death #, 1990	181 (131 to 240)	27 (19 to 37)	153 (121 to 190)	101 (69 to 139)	37 (33 to 41)	29 (28 to 31)	53 (51 to 54)	361 (299 to 424)	462 (402 to 526)	580 (514 to 649)	82 (79 to 85)
	Death #, 2000	120 (89 to 153)	27 (19 to 36)	95 (75 to 117)	53 (43 to 65)	20 (18 to 23)	22 (20 to 23)	41 (40 to 42)	243 (207 to 283)	296 (251 to 346)	378 (330 to 433)	63 (60 to 65)
	Death #, 2017	59 (49 to 72)	19 (15 to 24)	55 (45 to 67)	26 (22 to 31)	17 (15 to 20)	22 (21 to 24)	50 (48 to 52)	133 (109 to 161)	159 (131 to 193)	248 (215 to 289)	72 (68 to 76)
	% change 1990-2017	**-67.4% (-76.7% to -52.5%)#**	-30.3% (-51.6% to 0.7%)	**-63.9% (-72.8% to -51.8%)#**	**-74.3% (-82.3% to -61.5%)#**	**-53.2% (-61.3% to -42.8%)#**	**-23.9% (-31.7% to -15.4%)#**	-5.1% (-10.0% to 0.1%)	**-63.1% (-71.7% to -51.2%)#**	**-65.6% (-72.8% to -55.9%)#**	**-57.2% (-64.6% to -47.9%)#**	**-11.8% (-17.4% to -5.8%)#**
	% change 2000-2017	**-50.7% (-63.6% to -31.8%)#**	-31.1% (-53.9% to 7.8%)	**-42.2% (-57.4% to -20.7%)#**	**-51.2% (-62.6% to -36.5%)#**	-14.0% (-29.6% to 4.9%)	4.1% (-6.5% to 15.3%)	**21.7% (15.1% to 28.3%)#**	**-45.2% (-57.1% to -30.4%)#**	**-46.2% (-58.1% to -32.2%)#**	**-34.3% (-46.0% to -20.7%)#**	**15.6% (8.0% to 23.6%)#**
Durango	Death #, 1990	502 (362 to 663)	203 (141 to 281)	608 (468 to 768)	327 (220 to 462)	128 (114 to 143)	91 (85 to 97)	172 (167 to 176)	1,313 (1,090 to 1,552)	1,639 (1,407 to 1,878)	2,030 (1,774 to 2,292)	262 (253 to 272)
	Death #, 2000	411 (310 to 513)	138 (88 to 202)	350 (270 to 437)	195 (164 to 230)	73 (65 to 83)	79 (73 to 85)	98 (95 to 100)	898 (756 to 1,062)	1,094 (923 to 1,286)	1,344 (1,157 to 1,553)	177 (169 to 185)
	Death #, 2017	231 (182 to 289)	68 (53 to 86)	170 (129 to 219)	91 (69 to 120)	30 (26 to 35)	53 (49 to 58)	144 (137 to 152)	469 (385 to 568)	561 (462 to 676)	788 (675 to 915)	197 (187 to 208)
	% change 1990-2017	**-54.0% (-71.0% to -26.1%)#**	**-66.6% (-77.8% to -47.6%)#**	**-72.0% (-79.5% to -60.5%)#**	**-72.0% (-81.8% to -54.4%)#**	**-76.2% (-80.2% to -71.5%)#**	**-41.5% (-47.1% to -35.2%)#**	**-15.8% (-20.4% to -11.4%)#**	**-64.3% (-72.5% to -54.0%)#**	**-65.8% (-72.8% to -57.5%)#**	**-61.1% (-67.6% to -53.5%)#**	**-24.7% (-29.3% to -19.9%)#**
	% change 2000-2017	**-43.7% (-59.1% to -23.6%)#**	**-50.8% (-70.5% to -12.5%)#**	**-51.4% (-66.8% to -29.2%)#**	**-53.1% (-67.0% to -33.1%)#**	**-58.5% (-65.7% to -49.2%)#**	**-32.8% (-40.1% to -24.6%)#**	**47.6% (39.3% to 55.8%)#**	**-47.8% (-59.3% to -32.6%)#**	**-48.7% (-59.7% to -34.3%)#**	**-41.3% (-52.0% to -27.6%)#**	**11.7% (4.0% to 19.6%)#**
Guanajuato	Death #, 1990	2,259 (1,694 to 2,917)	445 (321 to 582)	2,226 (1,654 to 2,837)	762 (512 to 1,071)	347 (309 to 388)	303 (285 to 322)	443 (434 to 452)	4,930 (4,120 to 5,841)	5,692 (4,877 to 6,585)	6,785 (5,918 to 7,741)	746 (720 to 773)
	Death #, 2000	1,616 (1,166 to 2,104)	303 (211 to 409)	1,136 (840 to 1,483)	445 (326 to 585)	222 (194 to 254)	211 (196 to 227)	394 (385 to 403)	3,055 (2,493 to 3,680)	3,500 (2,891 to 4,195)	4,327 (3,670 to 5,082)	605 (581 to 630)
	Death #, 2017	624 (517 to 751)	148 (120 to 183)	502 (407 to 619)	218 (182 to 262)	146 (126 to 170)	193 (178 to 210)	537 (509 to 564)	1,274 (1,045 to 1,539)	1,492 (1,229 to 1,807)	2,369 (2,059 to 2,728)	730 (690 to 769)
	% change 1990-2017	**-72.4% (-80.2% to -60.3%)#**	**-66.8% (-76.8% to -50.8%)#**	**-77.4% (-83.5% to -68.7%)#**	**-71.3% (-81.0% to -54.5%)#**	**-57.8% (-65.4% to -49.3%)#**	**-36.4% (-42.6% to -29.6%)#**	**21.3% (14.8% to 27.9%)#**	**-74.2% (-80.0% to -66.5%)#**	**-73.8% (-79.6% to -66.5%)#**	**-65.1% (-71.3% to -57.4%)#**	-2.1% (-8.2% to 4.2%)
	% change 2000-2017	**-61.4% (-71.4% to -45.3%)#**	**-51.2% (-65.1% to -28.1%)#**	**-55.8% (-69.6% to -35.2%)#**	**-51.0% (-65.4% to -29.9%)#**	**-34.0% (-45.8% to -20.4%)#**	-8.5% (-18.0% to 1.5%)	**36.3% (28.3% to 43.7%)#**	**-58.3% (-68.2% to -45.8%)#**	**-57.4% (-67.0% to -44.6%)#**	**-45.3% (-55.4% to -32.3%)#**	**20.7% (12.3% to 29.0%)#**
Guerrero	Death #, 1990	748 (538 to 994)	467 (325 to 626)	2058 (1602 to 2541)	1560 (1045 to 2176)	374 (346 to 409)	210 (201 to 220)	292 (287 to 298)	3272 (2797 to 3793)	4832 (4142 to 5548)	5709 (4981 to 6460)	502 (489 to 518)
	Death #, 2000	517 (382 to 659)	348 (245 to 467)	1495 (1133 to 1928)	1057 (894 to 1242)	232 (207 to 261)	170 (159 to 181)	285 (279 to 291)	2359 (1971 to 2862)	3416 (2925 to 4074)	4103 (3576 to 4806)	455 (439 to 471)
	Death #, 2017	249 (199 to 306)	172 (137 to 211)	611 (492 to 748)	417 (341 to 499)	139 (118 to 162)	164 (150 to 179)	472 (446 to 498)	1033 (835 to 1261)	1450 (1183 to 1763)	2225 (1916 to 2587)	636 (600 to 673)
	% change 1990-2017	**-66.7% (-74.9% to -54.1%)#**	**-63.1% (-73.5% to -45.7%)#**	**-70.3% (-78.7% to -57.5%)#**	**-73.3% (-81.9% to -58.5%)#**	**-62.9% (-69.0% to -55.8%)#**	**-21.8% (-29.3% to -13.9%)#**	**61.6% (52.5% to 70.8%)#**	**-68.5% (-75.8% to -58.9%)#**	**-70.0% (-76.6% to -60.9%)#**	**-61.0% (-68.1% to -51.8%)#**	**26.8% (19.2% to 35.1%)#**
	% change 2000-2017	**-51.8% (-66.6% to -25.8%)#**	**-50.5% (-65.8% to -24.2%)#**	**-59.1% (-69.3% to -45.5%)#**	**-60.5% (-69.9% to -48.0%)#**	**-40.2% (-51.0% to -26.7%)#**	-3.3% (-13.2% to 8.3%)	**65.7% (55.9% to 75.0%)#**	**-56.2% (-66.2% to -43.9%)#**	**-57.6% (-66.8% to -45.8%)#**	**-45.8% (-55.6% to -33.6%)#**	**40.0% (30.7% to 49.6%)#**
Hidalgo	Death #, 1990	1,160 (899 to 1,456)	339 (225 to 487)	774 (553 to 1,045)	470 (315 to 672)	193 (170 to 217)	149 (139 to 158)	226 (221 to 231)	2,273 (1,873 to 2,682)	2,743 (2,340 to 3,177)	3,311 (2,875 to 3,784)	375 (361 to 390)
	Death #, 2000	650 (471 to 839)	199 (144 to 266)	508 (390 to 632)	267 (221 to 317)	117 (102 to 133)	94 (88 to 101)	177 (173 to 181)	1,357 (1,119 to 1,628)	1,624 (1,347 to 1,943)	2,012 (1,712 to 2,354)	271 (261 to 282)
	Death #, 2017	197 (152 to 251)	68 (51 to 90)	229 (179 to 294)	103 (80 to 131)	82 (70 to 95)	90 (83 to 98)	249 (236 to 262)	494 (410 to 596)	597 (496 to 715)	1,018 (894 to 1,164)	339 (321 to 358)
	% change 1990-2017	**-83.0% (-88.1% to -74.8%)#**	**-80.0% (-87.8% to -66.3%)#**	**-70.4% (-80.3% to -56.1%)#**	**-78.1% (-85.5% to -64.8%)#**	**-57.7% (-64.9% to -49.1%)#**	**-39.3% (-45.4% to -32.6%)#**	**10.0% (3.8% to 16.0%)#**	**-78.2% (-83.2% to -71.3%)#**	**-78.2% (-82.7% to -72.4%)#**	**-69.2% (-74.2% to -62.8%)#**	**-9.5% (-15.6% to -3.5%)#**
	% change 2000-2017	**-69.7% (-77.1% to -59.2%)#**	**-65.9% (-75.8% to -50.7%)#**	**-54.9% (-67.7% to -36.8%)#**	**-61.4% (-71.9% to -46.6%)#**	**-30.1% (-42.7% to -14.4%)#**	-4.5% (-14.7% to 6.8%)	**40.9% (32.6% to 49.1%)#**	**-63.6% (-71.9% to -52.7%)#**	**-63.2% (-71.4% to -52.0%)#**	**-49.4% (-58.8% to -37.1%)#**	**25.1% (16.6% to 34.0%)#**

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Jalisco	Death #, 1990	1,680 (1,213 to 2,217)	602 (425 to 817)	2,464 (1,818 to 3,179)	885 (578 to 1,280)	455 (402 to 512)	388 (362 to 414)	642 (629 to 656)	4,746 (3,962 to 5,593)	5,631 (4,768 to 6,484)	7,116 (6,177 to 8,059)	1,030 (991 to 1,069)
	Death #, 2000	1,452 (1,080 to 1,843)	449 (286 to 673)	1,426 (1,097 to 1,770)	596 (495 to 709)	308 (270 to 352)	313 (291 to 337)	484 (473 to 496)	3,327 (2,812 to 3,959)	3,923 (3,333 to 4,646)	5,028 (4,372 to 5,822)	797 (765 to 832)
	Death #, 2017	717 (592 to 871)	198 (140 to 272)	623 (505 to 774)	308 (260 to 371)	203 (176 to 235)	246 (228 to 266)	713 (679 to 749)	1,538 (1,273 to 1,879)	1,846 (1,535 to 2,256)	3,008 (2,646 to 3,462)	959 (911 to 1,011)
	% change 1990-2017	**-57.3% (-71.2% to -34.8%)#**	**-67.2% (-78.1% to -48.9%)#**	**-74.7% (-81.6% to -65.3%)#**	**-65.2% (-77.6% to -45.2%)#**	**-55.4% (-63.0% to -46.0%)#**	**-36.7% (-42.7% to -29.8%)#**	**11.1% (5.3% to 17.2%)#**	**-67.6% (-75.1% to -57.1%)#**	**-67.2% (-74.7% to -58.0%)#**	**-57.7% (-65.1% to -48.8%)#**	**-6.9% (-12.6% to -0.5%)#**
	% change 2000-2017	**-50.6% (-64.1% to -31.6%)#**	**-56.0% (-77.2% to -8.7%)#**	**-56.3% (-67.2% to -39.5%)#**	**-48.3% (-59.4% to -33.4%)#**	**-34.2% (-45.6% to -20.3%)#**	**-21.4% (-29.4% to -12.6%)#**	**47.3% (39.5% to 55.2%)#**	**-53.8% (-64.0% to -41.5%)#**	**-52.9% (-63.2% to -40.5%)#**	**-40.2% (-50.4% to -28.0%)#**	**20.3% (12.2% to 28.6%)#**
Mexico	Death #, 1990	4385 (3314 to 5574)	1011 (747 to 1314)	5533 (4428 to 6607)	1513 (1026 to 2144)	675 (628 to 724)	631 (608 to 656)	1325 (1308 to 1342)	10928 (9585 to 12168)	12441 (11357 to 13475)	15073 (13946 to 16161)	1957 (1917 to 1997)
	Death #, 2000	3155 (2463 to 3885)	801 (604 to 1030)	3079 (2390 to 3819)	855 (699 to 1044)	388 (361 to 418)	474 (455 to 493)	1048 (1034 to 1062)	7034 (6343 to 7751)	7889 (7131 to 8686)	9800 (9011 to 10640)	1522 (1490 to 1553)
	Death #, 2017	1403 (1060 to 1792)	451 (350 to 575)	1709 (1339 to 2158)	564 (458 to 698)	367 (320 to 422)	493 (458 to 532)	1339 (1281 to 1397)	3563 (2958 to 4316)	4127 (3443 to 4966)	6325 (5544 to 7287)	1832 (1746 to 1921)
	% change 1990-2017	**-68.0% (-77.0% to -54.8%)#**	**-55.3% (-71.6% to -27.5%)#**	**-69.1% (-77.0% to -58.4%)#**	**-62.7% (-74.1% to -45.0%)#**	**-45.7% (-53.4% to -36.3%)#**	**-21.9% (-28.0% to -14.8%)#**	1.0% (-3.6% to 6.0%)	**-67.4% (-73.5% to -59.7%)#**	**-66.8% (-72.6% to -59.3%)#**	**-58.0% (-63.7% to -50.9%)#**	**-6.4% (-11.1% to -1.4%)#**
	% change 2000-2017	**-55.5% (-69.9% to -34.4%)#**	**-43.6% (-58.5% to -22.0%)#**	**-44.5% (-62.6% to -18.0%)#**	**-34.0% (-49.1% to -14.8%)#**	-5.6% (-19.4% to 10.1%)	4.0% (-4.8% to 13.4%)	**27.7% (21.7% to 33.6%)#**	**-49.4% (-59.6% to -37.3%)#**	**-47.7% (-57.4% to -36.1%)#**	**-35.5% (-44.8% to -24.3%)#**	**20.4% (14.0% to 26.7%)#**
Mexico City	Death #, 1990	3,019 (2,276 to 3,819)	547 (412 to 708)	2,078 (1,680 to 2,520)	520 (353 to 744)	275 (257 to 296)	313 (302 to 326)	773 (765 to 782)	5,645 (4,840 to 6,393)	6,165 (5,432 to 6,866)	7,527 (6,755 to 8,261)	1,086 (1,068 to 1,107)
	Death #, 2000	1,612 (1,218 to 2,024)	408 (307 to 523)	1,208 (943 to 1,491)	380 (311 to 467)	181 (167 to 195)	225 (216 to 235)	542 (534 to 549)	3,229 (2,868 to 3,628)	3,609 (3,205 to 4,041)	4,557 (4,128 to 5,024)	767 (750 to 783)
	Death #, 2017	739 (584 to 912)	232 (184 to 289)	823 (619 to 1,070)	297 (202 to 409)	159 (138 to 183)	188 (174 to 202)	597 (571 to 623)	1,794 (1,476 to 2,195)	2,091 (1,714 to 2,536)	3,035 (2,611 to 3,527)	785 (748 to 822)
	% change 1990-2017	**-75.5% (-81.7% to -66.3%)#**	**-57.5% (-71.5% to -36.1%)#**	**-60.4% (-71.5% to -45.4%)#**	-42.9% (-69.6% to 6.5%)	**-42.3% (-50.9% to -32.4%)#**	**-40.1% (-44.8% to -34.7%)#**	**-22.7% (-26.1% to -19.2%)#**	**-68.2% (-75.3% to -58.0%)#**	**-66.1% (-73.2% to -56.7%)#**	**-59.7% (-66.3% to -51.0%)#**	**-27.7% (-31.1% to -24.0%)#**
	% change 2000-2017	**-54.2% (-67.5% to -35.0%)#**	**-43.1% (-56.8% to -21.7%)#**	**-31.9% (-52.8% to -1.4%)#**	-22.0% (-47.4% to 14.0%)	-12.0% (-25.5% to 3.9%)	**-16.6% (-23.9% to -9.1%)#**	**10.2% (5.1% to 15.0%)#**	**-44.4% (-54.8% to -31.8%)#**	**-42.1% (-53.4% to -28.4%)#**	**-33.4% (-43.9% to -21.3%)#**	2.4% (-3.1% to 7.5%)
Michoacan	Death #, 1990	1120 (810 to 1525)	369 (245 to 526)	2165 (1725 to 2653)	905 (609 to 1281)	351 (320 to 385)	281 (267 to 295)	441 (433 to 449)	3654 (3134 to 4177)	4559 (3974 to 5178)	5631 (4998 to 6294)	722 (701 to 743)
	Death #, 2000	688 (516 to 880)	261 (180 to 355)	1257 (961 to 1587)	560 (472 to 661)	251 (226 to 277)	235 (222 to 248)	383 (375 to 390)	2206 (1878 to 2572)	2765 (2376 to 3199)	3633 (3201 to 4117)	617 (598 to 638)
	Death #, 2017	317 (256 to 390)	135 (108 to 167)	664 (536 to 816)	305 (250 to 366)	142 (121 to 166)	175 (160 to 190)	434 (411 to 457)	1117 (899 to 1370)	1421 (1156 to 1741)	2173 (1862 to 2534)	609 (574 to 642)
	% change 1990-2017	**-71.7% (-79.2% to -60.6%)#**	**-63.3% (-75.0% to -44.4%)#**	**-69.3% (-78.3% to -56.9%)#**	**-66.3% (-77.0% to -47.9%)#**	**-59.4% (-66.1% to -51.7%)#**	**-37.8% (-43.5% to -31.6%)#**	-1.5% (-6.8% to 4.0%)	**-69.4% (-76.5% to -59.9%)#**	**-68.8% (-75.9% to -60.0%)#**	**-61.4% (-68.5% to -52.9%)#**	**-15.6% (-20.6% to -10.1%)#**
	% change 2000-2017	**-53.9% (-67.8% to -32.5%)#**	**-48.0% (-63.9% to -21.3%)#**	**-47.2% (-59.5% to -31.2%)#**	**-45.6% (-58.2% to -29.6%)#**	**-43.2% (-53.6% to -31.1%)#**	**-25.6% (-33.2% to -17.6%)#**	**13.5% (6.8% to 19.9%)#**	**-49.4% (-60.5% to -35.8%)#**	**-48.6% (-59.8% to -34.9%)#**	**-40.2% (-50.7% to -27.6%)#**	-1.4% (-7.8% to 5.1%)
Morelos	Death #, 1990	549 (396 to 721)	169 (115 to 238)	448 (339 to 569)	171 (118 to 238)	93 (82 to 104)	70 (66 to 75)	128 (125 to 131)	1,166 (944 to 1,405)	1,337 (1,116 to 1,580)	1,628 (1,389 to 1,885)	199 (191 to 206)
	Death #, 2000	342 (257 to 434)	106 (75 to 142)	258 (203 to 319)	123 (101 to 149)	59 (52 to 67)	56 (52 to 60)	111 (109 to 114)	705 (593 to 823)	828 (699 to 965)	1,055 (912 to 1,203)	167 (161 to 174)
	Death #, 2017	145 (116 to 180)	48 (35 to 64)	143 (103 to 190)	82 (61 to 107)	50 (43 to 57)	59 (54 to 63)	176 (167 to 185)	335 (270 to 415)	417 (339 to 507)	701 (611 to 807)	234 (222 to 247)
	% change 1990-2017	**-73.6% (-83.1% to -59.0%)#**	**-71.8% (-82.1% to -55.9%)#**	**-68.2% (-77.3% to -55.4%)#**	**-52.2% (-68.3% to -26.3%)#**	**-46.2% (-55.4% to -35.9%)#**	**-16.6% (-24.0% to -8.2%)#**	**37.0% (29.8% to 44.9%)#**	**-71.2% (-77.6% to -63.7%)#**	**-68.8% (-75.5% to -60.0%)#**	**-56.9% (-64.3% to -48.0%)#**	**18.0% (11.0% to 25.8%)#**
	% change 2000-2017	**-57.6% (-69.8% to -39.8%)#**	**-55.0% (-72.8% to -23.0%)#**	**-44.8% (-63.8% to -19.7%)#**	**-33.5% (-52.3% to -9.4%)#**	-15.5% (-29.0% to 1.3%)	4.6% (-5.0% to 15.6%)	**57.9% (49.1% to 67.4%)#**	**-52.5% (-63.4% to -38.2%)#**	**-49.7% (-60.5% to -36.4%)#**	**-33.5% (-44.6% to -20.6%)#**	**40.1% (31.1% to 49.3%)#**
Nayarit	Death #, 1990	196 (148 to 251)	80 (53 to 115)	371 (279 to 471)	224 (152 to 317)	88 (79 to 98)	72 (67 to 76)	104 (101 to 106)	647 (549 to 746)	871 (757 to 988)	1,135 (1,007 to 1,265)	176 (169 to 182)
	Death #, 2000	173 (129 to 221)	50 (36 to 67)	196 (155 to 241)	125 (103 to 149)	52 (46 to 58)	43 (40 to 45)	70 (68 to 72)	420 (356 to 487)	545 (464 to 632)	710 (618 to 806)	112 (108 to 117)
	Death #, 2017	88 (66 to 117)	22 (16 to 30)	85 (64 to 113)	59 (46 to 77)	37 (32 to 43)	33 (30 to 36)	96 (91 to 101)	196 (155 to 245)	255 (206 to 316)	422 (364 to 493)	129 (122 to 137)
	% change 1990-2017	**-55.0% (-70.7% to -31.5%)#**	**-72.0% (-84.0% to -48.8%)#**	**-77.0% (-84.3% to -66.7%)#**	**-73.6% (-82.9% to -57.4%)#**	**-58.1% (-65.4% to -49.1%)#**	**-53.8% (-58.5% to -48.7%)#**	**-7.4% (-12.6% to -2.1%)#**	**-69.7% (-77.0% to -60.5%)#**	**-70.7% (-77.4% to -62.7%)#**	**-62.9% (-69.4% to -55.0%)#**	**-26.4% (-31.2% to -21.3%)#**
	% change 2000-2017	**-49.0% (-62.1% to -30.0%)#**	**-55.5% (-69.1% to -35.8%)#**	**-56.4% (-69.0% to -39.5%)#**	**-52.9% (-65.4% to -35.9%)#**	**-29.1% (-41.4% to -14.3%)#**	**-22.1% (-29.9% to -13.7%)#**	**37.5% (29.7% to 45.5%)#**	**-53.3% (-63.9% to -39.3%)#**	**-53.2% (-63.7% to -39.7%)#**	**-40.6% (-51.1% to -27.6%)#**	**15.0% (7.2% to 23.0%)#**
Nuevo Leon	Death #, 1990	741 (579 to 904)	311 (208 to 442)	620 (434 to 855)	424 (281 to 597)	132 (115 to 151)	139 (129 to 150)	271 (264 to 277)	1,672 (1,345 to 2,015)	2,096 (1,768 to 2,468)	2,637 (2,282 to 3,041)	410 (393 to 427)
	Death #, 2000	669 (477 to 869)	237 (169 to 318)	519 (398 to 654)	280 (229 to 337)	111 (96 to 128)	106 (98 to 114)	221 (215 to 226)	1,425 (1,160 to 1,724)	1,705 (1,400 to 2,057)	2,142 (1,812 to 2,524)	326 (313 to 340)
	Death #, 2017	450 (351 to 564)	143 (110 to 186)	382 (290 to 494)	154 (114 to 203)	90 (79 to 104)	102 (95 to 111)	336 (320 to 351)	976 (810 to 1,178)	1,130 (944 to 1,356)	1,658 (1,454 to 1,910)	438 (418 to 460)
	% change 1990-2017	**-39.3% (-56.9% to -13.4%)#**	**-53.9% (-71.3% to -23.8%)#**	**-38.3% (-60.5% to -3.4%)#**	**-63.7% (-76.8% to -39.4%)#**	**-31.7% (-43.4% to -16.9%)#**	**-26.4% (-33.8% to -18.1%)#**	**24.0% (17.9% to 30.3%)#**	**-41.6% (-56.0% to -21.0%)#**	**-46.1% (-57.6% to -29.0%)#**	**-37.1% (-48.9% to -21.7%)#**	**6.9% (0.3% to 13.6%)#**
	% change 2000-2017	**-32.7% (-50.1% to -6.2%)#**	**-39.4% (-57.4% to -11.7%)#**	-26.4% (-47.6% to 4.9%)	**-45.0% (-62.3% to -20.1%)#**	-18.7% (-33.8% to 0.0%)	-3.1% (-13.4% to 8.7%)	**52.1% (44.0% to 60.2%)#**	**-31.5% (-47.1% to -9.4%)#**	**-33.8% (-49.0% to -12.6%)#**	**-22.6% (-37.4% to -2.8%)#**	**34.2% (25.5% to 43.2%)#**
Oaxaca	Death #, 1990	674 (491 to 881)	208 (152 to 274)	1,517 (1,167 to 1,895)	1,338 (855 to 1,938)	510 (466 to 558)	354 (338 to 371)	454 (446 to 461)	2,400 (2,024 to 2,803)	3,738 (3,190 to 4,391)	5,057 (4,468 to 5,775)	808 (785 to 832)
	Death #, 2000	456 (333 to 597)	146 (105 to 190)	949 (725 to 1,198)	829 (700 to 984)	224 (202 to 247)	218 (206 to 230)	309 (303 to 315)	1,551 (1,312 to 1,829)	2,380 (2,057 to 2,744)	3,130 (2,776 to 3,528)	527 (509 to 545)
	Death #, 2017	235 (188 to 290)	82 (65 to 101)	529 (426 to 648)	437 (358 to 525)	158 (134 to 184)	167 (153 to 181)	337 (320 to 353)	845 (682 to 1,036)	1,282 (1,045 to 1,558)	1,944 (1,663 to 2,256)	504 (477 to 531)
	% change 1990-2017	**-65.2% (-74.2% to -51.9%)#**	**-60.6% (-72.8% to -43.8%)#**	**-65.2% (-75.1% to -50.7%)#**	**-67.4% (-79.2% to -47.0%)#**	**-69.1% (-74.2% to -63.4%)#**	**-52.8% (-57.0% to -48.2%)#**	**-25.8% (-29.4% to -22.0%)#**	**-64.8% (-72.8% to -54.1%)#**	**-65.7% (-73.7% to -55.6%)#**	**-61.6% (-68.7% to -53.0%)#**	**-37.6% (-41.3% to -33.6%)#**
	% change 2000-2017	**-48.5% (-65.1% to -21.6%)#**	**-43.8% (-60.4% to -15.1%)#**	**-44.3% (-57.6% to -27.3%)#**	**-47.3% (-59.9% to -31.0%)#**	**-29.5% (-42.3% to -14.8%)#**	**-23.3% (-31.0% to -15.4%)#**	**9.1% (3.3% to 14.8%)#**	**-45.5% (-57.6% to -30.8%)#**	**-46.1% (-58.0% to -31.5%)#**	**-37.9% (-49.1% to -24.4%)#**	-4.3% (-10.3% to 1.9%)
Puebla	Death #, 1990	2,129 (1,583 to 2,770)	546 (404 to 710)	3,019 (2,372 to 3,673)	1,428 (965 to 2,035)	506 (462 to 554)	362 (345 to 381)	501 (493 to 510)	5,694 (4,844 to 6,516)	7,122 (6,274 to 8,036)	8,491 (7,594 to 9,470)	864 (838 to 891)
	Death #, 2000	1,705 (1,234 to 2,224)	420 (295 to 574)	2,040 (1,456 to 2,700)	932 (733 to 1,177)	291 (263 to 322)	282 (267 to 298)	419 (411 to 427)	4,164 (3,560 to 4,904)	5,096 (4,363 to 5,921)	6,088 (5,317 to 6,979)	701 (678 to 724)
	Death #, 2017	930 (746 to 1,148)	240 (192 to 296)	1,084 (877 to 1,328)	528 (436 to 627)	228 (196 to 264)	249 (229 to 269)	601 (573 to 630)	2,253 (1,820 to 2,771)	2,781 (2,264 to 3,402)	3,859 (3,291 to 4,544)	850 (805 to 896)
	% change 1990-2017	**-56.3% (-66.9% to -40.2%)#**	**-56.1% (-69.6% to -37.3%)#**	**-64.1% (-73.8% to -50.0%)#**	**-63.0% (-75.3% to -42.8%)#**	**-54.8% (-62.5% to -46.8%)#**	**-31.4% (-37.9% to -24.8%)#**	**19.8% (13.9% to 25.9%)#**	**-60.4% (-69.5% to -49.3%)#**	**-61.0% (-68.9% to -51.0%)#**	**-54.5% (-62.5% to -44.8%)#**	-1.6% (-7.3% to 4.5%)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 2000-2017	**-45.4% (-63.0% to -15.5%)#**	**-42.9% (-60.5% to -14.6%)#**	**-46.9% (-60.0% to -27.0%)#**	**-43.4% (-59.1% to -22.1%)#**	**-21.5% (-33.7% to -6.3%)#**	**-11.8% (-19.8% to -2.6%)#**	**43.5% (36.0% to 51.4%)#**	**-45.9% (-57.5% to -30.4%)#**	**-45.4% (-57.0% to -30.6%)#**	**-36.6% (-48.0% to -22.3%)#**	**21.3% (13.8% to 29.1%)#**
Queretaro	Death #, 1990	577 (423 to 744)	128 (92 to 168)	551 (436 to 663)	204 (140 to 290)	84 (78 to 90)	71 (68 to 73)	111 (109 to 113)	1,256 (1,096 to 1,417)	1,460 (1,320 to 1,607)	1,725 (1,575 to 1,880)	182 (177 to 186)
	Death #, 2000	323 (248 to 403)	87 (64 to 112)	278 (217 to 344)	97 (79 to 120)	56 (51 to 61)	68 (65 to 71)	126 (123 to 128)	687 (615 to 765)	785 (702 to 875)	1,034 (942 to 1,134)	193 (188 to 199)
	Death #, 2017	191 (151 to 237)	64 (52 to 80)	206 (156 to 270)	81 (55 to 113)	57 (49 to 67)	59 (54 to 65)	150 (143 to 157)	461 (381 to 568)	542 (451 to 664)	808 (702 to 952)	210 (199 to 221)
	% change 1990-2017	**-67.0% (-75.3% to -53.7%)#**	**-49.8% (-66.5% to -23.2%)#**	**-62.6% (-73.2% to -47.5%)#**	**-60.4% (-78.0% to -29.9%)#**	**-32.2% (-42.2% to -18.4%)#**	**-16.0% (-23.5% to -6.9%)#**	**35.1% (28.4% to 42.1%)#**	**-63.3% (-71.1% to -52.0%)#**	**-62.9% (-70.2% to -53.1%)#**	**-53.1% (-60.5% to -43.4%)#**	**15.3% (8.9% to 22.5%)#**
	% change 2000-2017	**-40.9% (-57.4% to -17.4%)#**	-25.7% (-43.5% to 3.9%)	-25.8% (-49.0% to 12.0%)	-17.0% (-45.5% to 21.5%)	1.4% (-15.5% to 21.9%)	**-12.4% (-20.9% to -3.0%)#**	**19.7% (13.2% to 25.4%)#**	**-32.9% (-45.4% to -16.1%)#**	**-30.9% (-44.1% to -14.2%)#**	**-21.8% (-33.9% to -6.6%)#**	**8.5% (1.8% to 15.0%)#**
Quintana Roo	Death #, 1990	126 (93 to 166)	105 (72 to 143)	248 (181 to 320)	141 (95 to 195)	33 (29 to 37)	25 (23 to 26)	49 (47 to 50)	479 (396 to 566)	619 (523 to 726)	726 (624 to 838)	73 (71 to 76)
	Death #, 2000	170 (130 to 211)	88 (58 to 126)	201 (156 to 250)	103 (86 to 122)	33 (29 to 38)	31 (29 to 34)	57 (56 to 59)	459 (386 to 544)	562 (474 to 660)	684 (588 to 789)	88 (85 to 92)
	Death #, 2017	133 (109 to 162)	50 (40 to 63)	139 (102 to 181)	61 (45 to 79)	43 (37 to 50)	45 (41 to 48)	120 (114 to 126)	322 (262 to 394)	383 (314 to 465)	591 (509 to 686)	165 (157 to 174)
	% change 1990-2017	5.8% (-23.8% to 51.3%)	**-52.1% (-67.0% to -25.4%)#**	**-44.0% (-61.4% to -17.7%)#**	**-56.9% (-70.8% to -35.0%)#**	**31.3% (7.2% to 58.8%)#**	**81.2% (63.3% to 100.6%)#**	**147.3% (135.0% to 159.7%)#**	**-32.7% (-46.9% to -15.5%)#**	**-38.2% (-51.2% to -22.6%)#**	**-18.5% (-32.9% to -1.5%)#**	**125.0% (111.6% to 139.2%)#**
	% change 2000-2017	-21.6% (-40.2% to 4.9%)	**-43.1% (-64.0% to -5.5%)#**	**-30.9% (-53.5% to -1.8%)#**	**-41.0% (-54.0% to -24.6%)#**	**28.8% (5.0% to 57.6%)#**	**43.1% (27.8% to 59.4%)#**	**110.2% (99.2% to 121.1%)#**	**-29.8% (-47.8% to -7.2%)#**	**-31.8% (-47.4% to -11.5%)#**	-13.6% (-30.0% to 6.6%)	**86.5% (74.1% to 98.5%)#**
San Luis Potosi	Death #, 1990	731 (517 to 987)	232 (157 to 326)	1,052 (839 to 1,275)	395 (263 to 556)	214 (195 to 236)	153 (145 to 161)	233 (228 to 237)	2,016 (1,742 to 2,324)	2,411 (2,115 to 2,709)	3,011 (2,687 to 3,342)	386 (374 to 398)
	Death #, 2000	467 (349 to 592)	175 (123 to 239)	677 (501 to 875)	275 (233 to 325)	112 (101 to 124)	110 (104 to 116)	174 (170 to 177)	1,319 (1,129 to 1,544)	1,595 (1,364 to 1,851)	1,990 (1,739 to 2,267)	284 (274 to 294)
	Death #, 2017	213 (163 to 277)	93 (74 to 114)	363 (294 to 443)	156 (129 to 186)	65 (56 to 76)	103 (94 to 112)	252 (240 to 265)	670 (540 to 820)	826 (673 to 1,003)	1,246 (1,069 to 1,450)	355 (335 to 376)
	% change 1990-2017	**-70.8% (-79.7% to -55.7%)#**	**-60.0% (-71.8% to -40.9%)#**	**-65.5% (-75.1% to -50.9%)#**	**-60.4% (-73.0% to -38.6%)#**	**-69.5% (-74.6% to -63.7%)#**	**-32.9% (-39.4% to -25.9%)#**	**8.2% (2.8% to 14.4%)#**	**-66.8% (-74.1% to -57.2%)#**	**-65.7% (-72.8% to -57.0%)#**	**-58.6% (-65.5% to -50.4%)#**	**-8.1% (-13.5% to -1.5%)#**
	% change 2000-2017	**-54.3% (-68.8% to -34.6%)#**	**-46.9% (-63.3% to -18.7%)#**	**-46.4% (-58.5% to -27.6%)#**	**-43.2% (-56.3% to -26.2%)#**	**-41.6% (-52.5% to -29.1%)#**	-6.6% (-16.4% to 3.7%)	**45.2% (37.7% to 53.7%)#**	**-49.2% (-60.7% to -35.3%)#**	**-48.2% (-59.7% to -33.6%)#**	**-37.4% (-48.6% to -23.6%)#**	**25.1% (17.0% to 33.6%)#**
Sinaloa	Death #, 1990	539 (361 to 756)	245 (163 to 342)	721 (521 to 950)	462 (286 to 677)	204 (179 to 229)	147 (138 to 157)	248 (242 to 253)	1,505 (1,230 to 1,796)	1,967 (1,688 to 2,276)	2,566 (2,249 to 2,911)	395 (379 to 410)
	Death #, 2000	460 (354 to 572)	154 (102 to 214)	376 (275 to 497)	265 (212 to 327)	136 (119 to 155)	122 (114 to 131)	192 (188 to 197)	990 (846 to 1,149)	1,255 (1,058 to 1,461)	1,705 (1,483 to 1,943)	314 (302 to 328)
	Death #, 2017	222 (181 to 271)	65 (48 to 85)	199 (156 to 254)	109 (89 to 133)	62 (53 to 71)	67 (62 to 73)	235 (223 to 248)	486 (401 to 585)	595 (494 to 713)	959 (842 to 1,099)	302 (286 to 319)
	% change 1990-2017	**-58.8% (-73.3% to -34.2%)#**	**-73.5% (-84.6% to -52.9%)#**	**-72.4% (-80.8% to -58.9%)#**	**-76.3% (-85.3% to -59.8%)#**	**-69.7% (-74.8% to -63.5%)#**	**-54.4% (-58.7% to -49.5%)#**	-5.2% (-10.2% to 0.5%)	**-67.7% (-74.8% to -58.2%)#**	**-69.8% (-75.8% to -61.9%)#**	**-62.6% (-68.6% to -55.2%)#**	**-23.6% (-28.2% to -18.4%)#**
	% change 2000-2017	**-51.8% (-63.6% to -34.9%)#**	**-57.9% (-70.7% to -36.8%)#**	**-47.1% (-61.8% to -24.4%)#**	**-58.8% (-68.5% to -45.5%)#**	**-54.6% (-62.0% to -45.0%)#**	**-45.0% (-50.5% to -38.8%)#**	**22.2% (15.7% to 29.6%)#**	**-50.9% (-61.0% to -38.0%)#**	**-52.6% (-62.2% to -40.4%)#**	**-43.8% (-52.7% to -32.7%)#**	-3.9% (-10.2% to 2.8%)
Sonora	Death #, 1990	314 (226 to 419)	213 (153 to 285)	544 (396 to 703)	303 (192 to 452)	100 (89 to 113)	101 (95 to 108)	205 (200 to 210)	1,071 (916 to 1,239)	1,374 (1,179 to 1,591)	1,779 (1,563 to 2,019)	306 (295 to 317)
	Death #, 2000	382 (283 to 486)	173 (116 to 240)	476 (367 to 597)	232 (186 to 293)	76 (66 to 87)	80 (74 to 86)	153 (149 to 157)	1,031 (847 to 1,248)	1,263 (1,048 to 1,524)	1,572 (1,336 to 1,853)	233 (223 to 242)
	Death #, 2017	213 (169 to 261)	70 (53 to 90)	239 (181 to 307)	109 (81 to 145)	76 (65 to 88)	69 (64 to 74)	229 (218 to 240)	521 (429 to 638)	630 (525 to 756)	1,004 (880 to 1,153)	298 (284 to 313)
	% change 1990-2017	-32.3% (-56.0% to 8.8%)	**-67.2% (-76.0% to -53.4%)#**	**-56.2% (-69.1% to -36.1%)#**	**-64.0% (-77.3% to -41.9%)#**	**-24.4% (-37.2% to -7.6%)#**	**-31.6% (-38.1% to -24.5%)#**	**12.1% (6.4% to 17.9%)#**	**-51.4% (-60.5% to -38.4%)#**	**-54.1% (-63.4% to -41.4%)#**	**-43.6% (-52.7% to -31.2%)#**	-2.3% (-8.1% to 3.5%)
	% change 2000-2017	**-44.3% (-58.4% to -21.8%)#**	**-59.7% (-74.9% to -32.1%)#**	**-49.9% (-67.7% to -24.3%)#**	**-53.1% (-66.1% to -35.4%)#**	0.1% (-19.4% to 24.0%)	**-13.7% (-22.8% to -3.5%)#**	**50.1% (42.0% to 58.1%)#**	**-49.5% (-63.0% to -31.0%)#**	**-50.1% (-62.2% to -35.0%)#**	**-36.1% (-48.4% to -20.6%)#**	**28.2% (19.7% to 37.0%)#**
Tabasco	Death #, 1990	779 (518 to 1082)	228 (169 to 295)	860 (681 to 1055)	502 (346 to 696)	171 (157 to 188)	136 (130 to 143)	198 (194 to 202)	1866 (1562 to 2221)	2368 (2066 to 2708)	2873 (2546 to 3237)	335 (325 to 345)
	Death #, 2000	566 (392 to 753)	157 (104 to 221)	443 (338 to 560)	228 (171 to 296)	100 (86 to 115)	105 (97 to 113)	180 (175 to 185)	1166 (936 to 1401)	1394 (1132 to 1676)	1778 (1490 to 2088)	284 (272 to 297)
	Death #, 2017	344 (279 to 420)	113 (87 to 144)	297 (216 to 405)	136 (98 to 189)	74 (63 to 87)	100 (92 to 109)	250 (237 to 263)	753 (607 to 938)	890 (726 to 1091)	1314 (1127 to 1538)	350 (331 to 371)
	% change 1990-2017	**-55.8% (-70.4% to -31.5%)#**	**-50.6% (-66.1% to -25.1%)#**	**-65.5% (-76.6% to -49.6%)#**	**-72.8% (-82.8% to -56.1%)#**	**-56.6% (-64.2% to -48.4%)#**	**-26.5% (-34.0% to -18.7%)#**	**26.1% (19.3% to 33.3%)#**	**-59.6% (-69.0% to -46.9%)#**	**-62.4% (-70.6% to -51.9%)#**	**-54.3% (-62.4% to -44.3%)#**	4.6% (-1.9% to 11.7%)
	% change 2000-2017	**-39.2% (-56.7% to -8.8%)#**	-28.3% (-54.8% to 15.0%)	**-33.0% (-55.1% to -2.0%)#**	**-40.1% (-59.0% to -11.0%)#**	**-25.8% (-39.4% to -8.8%)#**	-4.2% (-14.2% to 7.5%)	**39.0% (31.0% to 47.1%)#**	**-35.4% (-51.3% to -13.3%)#**	**-36.2% (-51.4% to -16.1%)#**	**-26.1% (-40.8% to -7.4%)#**	**23.1% (14.7% to 31.7%)#**
Tamaulipas	Death #, 1990	527 (376 to 695)	225 (166 to 302)	834 (635 to 1,068)	365 (246 to 521)	119 (107 to 131)	129 (122 to 136)	249 (244 to 254)	1,586 (1,315 to 1,883)	1,951 (1,678 to 2,246)	2,447 (2,152 to 2,765)	377 (366 to 389)
	Death #, 2000	603 (420 to 825)	170 (119 to 230)	396 (298 to 511)	186 (136 to 252)	87 (76 to 99)	87 (81 to 93)	183 (179 to 187)	1,170 (941 to 1,417)	1,355 (1,102 to 1,644)	1,711 (1,440 to 2,023)	270 (260 to 280)
	Death #, 2017	337 (275 to 422)	97 (67 to 138)	267 (217 to 329)	123 (85 to 171)	70 (60 to 82)	74 (69 to 81)	238 (227 to 250)	702 (583 to 859)	825 (680 to 1,016)	1,207 (1,046 to 1,418)	313 (298 to 329)
	% change 1990-2017	**-36.0% (-54.7% to -6.2%)#**	**-56.7% (-74.5% to -25.2%)#**	**-68.0% (-76.6% to -55.0%)#**	**-66.3% (-80.0% to -44.1%)#**	**-41.2% (-50.7% to -29.1%)#**	**-42.2% (-47.3% to -35.9%)#**	-4.2% (-8.9% to 0.6%)	**-55.8% (-65.9% to -41.2%)#**	**-57.7% (-66.6% to -45.1%)#**	**-50.7% (-59.1% to -39.0%)#**	**-17.2% (-21.7% to -12.4%)#**
	% change 2000-2017	**-44.1% (-61.4% to -14.1%)#**	**-43.0% (-62.7% to -10.1%)#**	-32.5% (-53.0% to 0.1%)	-33.7% (-61.6% to 10.7%)	**-19.5% (-33.6% to -0.1%)#**	**-14.3% (-22.4% to -3.6%)#**	**30.2% (23.6% to 37.3%)#**	**-40.0% (-54.4% to -19.6%)#**	**-39.1% (-53.7% to -18.3%)#**	**-29.5% (-43.5% to -10.1%)#**	**15.9% (8.8% to 23.5%)#**
Tlaxcala	Death #, 1990	375 (278 to 482)	79 (57 to 103)	535 (427 to 645)	115 (77 to 165)	56 (52 to 61)	53 (51 to 56)	89 (88 to 91)	988 (863 to 1,110)	1,103 (992 to 1,218)	1,302 (1,184 to 1,420)	143 (139 to 146)
	Death #, 2000	251 (191 to 321)	58 (44 to 76)	283 (223 to 348)	72 (58 to 89)	39 (36 to 42)	44 (42 to 46)	76 (74 to 77)	593 (529 to 664)	665 (594 to 741)	824 (748 to 906)	120 (116 to 123)
	Death #, 2017	136 (106 to 168)	42 (33 to 52)	161 (119 to 209)	54 (37 to 75)	31 (27 to 36)	43 (40 to 47)	110 (105 to 116)	339 (274 to 420)	393 (321 to 481)	578 (497 to 677)	154 (145 to 163)
	% change 1990-2017	**-63.9% (-73.1% to -49.2%)#**	**-47.0% (-64.9% to -20.0%)#**	**-69.8% (-77.7% to -58.6%)#**	**-53.0% (-74.8% to -16.3%)#**	**-44.1% (-52.2% to -34.5%)#**	**-18.7% (-25.3% to -11.2%)#**	**23.8% (17.2% to 30.2%)#**	**-65.7% (-73.0% to -56.2%)#**	**-64.4% (-71.1% to -55.8%)#**	**-55.6% (-62.2% to -47.3%)#**	**7.8% (2.0% to 14.2%)#**
	% change 2000-2017	**-46.0% (-61.9% to -22.9%)#**	**-28.6% (-47.5% to -1.7%)#**	**-42.9% (-61.7% to -15.5%)#**	-25.4% (-52.4% to 11.6%)	**-19.7% (-33.8% to -3.1%)#**	-1.4% (-11.5% to 9.8%)	**45.6% (37.3% to 53.9%)#**	**-42.8% (-54.9% to -27.5%)#**	**-40.9% (-53.4% to -25.6%)#**	**-29.9% (-42.2% to -15.3%)#**	**28.3% (20.0% to 36.8%)#**
Veracruz	Death #, 1990	1,816 (1,328 to 2,376)	924 (645 to 1,257)	3,192 (2,393 to 4,111)	1,636 (1,086 to 2,351)	621 (552 to 694)	454 (427 to 481)	674 (661 to 687)	5,933 (4,907 to 7,014)	7,569 (6,524 to 8,668)	9,319 (8,175 to 10,513)	1,128 (1,088 to 1,168)
	Death #, 2000	1,613 (1,201 to 2,044)	549 (348 to 822)	1,696 (1,299 to 2,105)	858 (707 to 1,024)	385 (335 to 441)	349 (325 to 376)	492 (480 to 503)	3,858 (3,198 to 4,611)	4,716 (3,961 to 5,597)	5,942 (5,105 to 6,918)	841 (806 to 878)
	Death #, 2017	688 (572 to 831)	175 (123 to 245)	590 (480 to 726)	290 (245 to 349)	154 (134 to 178)	240 (223 to 260)	630 (602 to 660)	1,453 (1,208 to 1,773)	1,743 (1,455 to 2,121)	2,767 (2,440 to 3,189)	870 (829 to 914)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 1990-2017	**-62.1% (-74.0% to -42.6%)#**	**-81.0% (-87.4% to -69.9%)#**	**-81.5% (-86.4% to -74.9%)#**	**-82.3% (-88.5% to -72.7%)#**	**-75.3% (-79.2% to -70.5%)#**	**-47.1% (-51.9% to -41.3%)#**	**-6.6% (-11.0% to -1.8%)#**	**-75.5% (-81.2% to -68.2%)#**	**-77.0% (-81.8% to -70.8%)#**	**-70.3% (-75.4% to -64.1%)#**	**-22.9% (-27.4% to -17.7%)#**
	% change 2000-2017	**-57.4% (-68.8% to -40.2%)#**	**-68.1% (-83.6% to -33.1%)#**	**-65.2% (-74.3% to -52.0%)#**	**-66.2% (-73.5% to -56.7%)#**	**-60.1% (-67.0% to -51.7%)#**	**-31.1% (-38.1% to -23.4%)#**	**28.0% (21.5% to 34.8%)#**	**-62.3% (-70.7% to -51.7%)#**	**-63.0% (-71.2% to -53.1%)#**	**-53.4% (-61.8% to -43.2%)#**	3.5% (-3.1% to 10.3%)
Yucatan	Death #, 1990	437 (295 to 609)	173 (123 to 237)	664 (494 to 850)	173 (114 to 245)	86 (76 to 97)	67 (63 to 72)	111 (109 to 114)	1,274 (1,066 to 1,497)	1,447 (1,238 to 1,677)	1,711 (1,488 to 1,957)	179 (172 to 185)
	Death #, 2000	317 (229 to 414)	104 (82 to 129)	336 (256 to 426)	113 (93 to 137)	63 (56 to 71)	61 (57 to 65)	94 (92 to 97)	757 (627 to 885)	870 (723 to 1,014)	1,089 (928 to 1,246)	155 (149 to 162)
	Death #, 2017	185 (143 to 233)	49 (38 to 63)	192 (148 to 245)	80 (64 to 97)	42 (36 to 48)	61 (57 to 66)	129 (124 to 135)	426 (345 to 514)	505 (412 to 611)	738 (631 to 857)	191 (182 to 201)
	% change 1990-2017	**-57.8% (-74.0% to -29.0%)#**	**-71.8% (-81.3% to -56.6%)#**	**-71.0% (-79.0% to -59.3%)#**	**-54.1% (-69.4% to -29.1%)#**	**-51.2% (-59.7% to -41.5%)#**	-8.7% (-17.7% to 0.7%)	**16.2% (10.5% to 22.0%)#**	**-66.6% (-73.8% to -57.4%)#**	**-65.1% (-72.7% to -56.3%)#**	**-56.9% (-64.5% to -47.9%)#**	**6.8% (0.2% to 13.3%)#**
	% change 2000-2017	**-41.9% (-58.4% to -15.7%)#**	**-53.1% (-67.3% to -31.9%)#**	**-42.7% (-59.5% to -17.9%)#**	**-29.9% (-45.9% to -9.1%)#**	**-33.4% (-44.0% to -20.2%)#**	0.8% (-8.8% to 11.6%)	**37.0% (30.3% to 44.5%)#**	**-43.8% (-55.8% to -27.8%)#**	**-42.0% (-53.9% to -26.0%)#**	**-32.2% (-44.0% to -17.3%)#**	**22.9% (15.4% to 31.3%)#**
Zacatecas	Death #, 1990	523 (389 to 685)	154 (108 to 215)	715 (511 to 948)	282 (189 to 403)	110 (97 to 123)	93 (87 to 100)	143 (140 to 147)	1,393 (1,160 to 1,634)	1,675 (1,423 to 1,953)	2,021 (1,750 to 2,319)	237 (227 to 246)
	Death #, 2000	336 (241 to 428)	95 (64 to 133)	365 (281 to 452)	161 (126 to 206)	71 (62 to 81)	68 (63 to 73)	123 (119 to 126)	796 (662 to 944)	957 (804 to 1,126)	1,219 (1,052 to 1,402)	191 (183 to 199)
	Death #, 2017	138 (111 to 171)	39 (31 to 48)	151 (118 to 192)	73 (60 to 89)	45 (39 to 53)	48 (45 to 53)	150 (142 to 159)	327 (273 to 394)	400 (336 to 479)	644 (566 to 740)	199 (187 to 210)
	% change 1990-2017	**-73.6% (-82.0% to -59.7%)#**	**-74.9% (-83.3% to -60.6%)#**	**-78.9% (-85.5% to -68.5%)#**	**-74.3% (-83.2% to -58.7%)#**	**-58.8% (-65.8% to -50.1%)#**	**-48.1% (-52.9% to -42.4%)#**	4.9% (-1.7% to 10.9%)	**-76.5% (-81.1% to -69.9%)#**	**-76.1% (-80.8% to -69.8%)#**	**-68.1% (-73.2% to -61.4%)#**	**-16.0% (-21.8% to -10.2%)#**
	% change 2000-2017	**-58.8% (-67.7% to -46.4%)#**	**-59.2% (-73.3% to -33.4%)#**	**-58.8% (-71.3% to -41.5%)#**	**-54.9% (-67.0% to -37.9%)#**	**-36.5% (-47.8% to -22.9%)#**	**-29.1% (-36.5% to -20.9%)#**	**22.5% (14.8% to 29.9%)#**	**-58.9% (-68.3% to -46.9%)#**	**-58.2% (-67.5% to -46.8%)#**	**-47.2% (-56.6% to -35.6%)#**	4.1% (-3.1% to 11.4%)
Nicaragua	Death #, 1990	2,109 (1,833 to 2,461)	826 (734 to 933)	4,204 (3,763 to 4,640)	1,748 (1,473 to 2,070)	456 (431 to 484)	318 (305 to 333)	400 (376 to 426)	7,139 (6,554 to 7,784)	8,887 (8,214 to 9,672)	10,062 (9,339 to 10,894)	718 (682 to 756)
	Death #, 2000	1,059 (892 to 1,243)	612 (530 to 704)	1,870 (1,628 to 2,173)	1,066 (909 to 1,249)	321 (298 to 347)	279 (265 to 294)	488 (459 to 519)	3,541 (3,133 to 4,002)	4,607 (4,109 to 5,128)	5,694 (5,144 to 6,266)	766 (725 to 810)
	Death #, 2017	816 (618 to 1,053)	357 (285 to 445)	610 (461 to 807)	261 (211 to 322)	144 (126 to 166)	143 (131 to 157)	330 (298 to 367)	1,783 (1,421 to 2,219)	2,044 (1,629 to 2,541)	2,661 (2,222 to 3,198)	473 (432 to 520)
	% change 1990-2017	**-61.3% (-72.2% to -49.4%)#**	**-56.7% (-66.3% to -44.8%)#**	**-85.5% (-89.3% to -80.4%)#**	**-85.1% (-88.5% to -80.6%)#**	**-68.5% (-72.7% to -63.5%)#**	**-55.0% (-59.4% to -50.2%)#**	**-17.6% (-27.1% to -7.3%)#**	**-75.0% (-80.3% to -68.5%)#**	**-77.0% (-81.9% to -71.3%)#**	**-73.6% (-78.3% to -68.1%)#**	**-34.2% (-40.9% to -27.3%)#**
	% change 2000-2017	-23.0% (-43.6% to 4.0%)	**-41.6% (-55.0% to -25.1%)#**	**-67.4% (-76.7% to -55.1%)#**	**-75.5% (-81.2% to -68.7%)#**	**-55.3% (-61.3% to -47.5%)#**	**-48.7% (-53.9% to -43.0%)#**	**-32.4% (-40.3% to -23.6%)#**	**-49.6% (-61.2% to -35.3%)#**	**-55.6% (-65.2% to -43.3%)#**	**-53.3% (-61.5% to -42.5%)#**	**-38.3% (-44.7% to -30.9%)#**
Panama	Death #, 1990	604 (505 to 715)	169 (137 to 206)	458 (377 to 548)	363 (288 to 446)	123 (110 to 138)	119 (112 to 126)	204 (200 to 210)	1,231 (1,056 to 1,435)	1,594 (1,373 to 1,840)	2,041 (1,799 to 2,308)	324 (312 to 335)
	Death #, 2000	457 (375 to 548)	201 (166 to 238)	470 (380 to 575)	358 (302 to 420)	133 (118 to 150)	102 (96 to 109)	207 (202 to 211)	1,128 (957 to 1,328)	1,487 (1,275 to 1,738)	1,928 (1,695 to 2,206)	309 (298 to 320)
	Death #, 2017	392 (278 to 541)	153 (109 to 211)	404 (294 to 548)	277 (212 to 353)	100 (87 to 115)	106 (98 to 115)	279 (262 to 296)	949 (681 to 1,298)	1,226 (893 to 1,651)	1,711 (1,358 to 2,169)	385 (362 to 409)
	% change 1990-2017	**-35.2% (-54.6% to -7.4%)#**	-9.4% (-37.4% to 31.9%)	-11.7% (-39.0% to 29.3%)	-23.9% (-44.1% to 3.4%)	**-18.7% (-31.6% to -2.8%)#**	**-10.9% (-19.2% to -1.8%)#**	**36.6% (27.5% to 45.4%)#**	-22.9% (-45.4% to 10.1%)	-23.1% (-44.5% to 7.2%)	-16.2% (-34.7% to 9.2%)	**19.1% (10.9% to 27.8%)#**
	% change 2000-2017	-14.3% (-42.3% to 24.9%)	-23.9% (-48.1% to 10.4%)	-14.1% (-40.6% to 24.9%)	-22.8% (-42.5% to 2.8%)	**-24.5% (-36.4% to -10.0%)#**	4.3% (-5.2% to 15.5%)	**35.0% (26.6% to 43.4%)#**	-15.9% (-41.3% to 20.6%)	-17.6% (-41.0% to 16.1%)	-11.2% (-31.7% to 17.2%)	**24.9% (16.8% to 33.7%)#**
Venezuela	Death #, 1990	7,317 (6,342 to 8,370)	1,950 (1,661 to 2,245)	6,045 (5,278 to 6,890)	3,100 (2,598 to 3,648)	1,114 (1,101 to 1,127)	1,066 (1,059 to 1,074)	2,260 (2,247 to 2,273)	15,312 (14,681 to 15,908)	18,412 (18,113 to 18,688)	22,853 (22,540 to 23,162)	3,326 (3,309 to 3,344)
	Death #, 2000	4,597 (4,136 to 5,043)	1,355 (1,180 to 1,529)	3,545 (3,094 to 4,018)	2,166 (1,860 to 2,505)	972 (960 to 986)	970 (962 to 978)	3,566 (3,546 to 3,585)	9,497 (9,118 to 9,874)	11,663 (11,434 to 11,913)	17,171 (16,916 to 17,456)	4,535 (4,510 to 4,561)
	Death #, 2017	3,892 (2,974 to 5,058)	1,439 (1,102 to 1,865)	2,209 (1,727 to 2,810)	1,365 (1,136 to 1,645)	693 (606 to 794)	941 (857 to 1,044)	4,318 (3,650 to 5,084)	7,541 (5,808 to 9,721)	8,905 (6,944 to 11,391)	14,857 (12,522 to 17,666)	5,258 (4,515 to 6,118)
	% change 1990-2017	**-46.8% (-60.8% to -28.9%)#**	**-26.2% (-45.2% to -1.5%)#**	**-63.5% (-72.7% to -52.1%)#**	**-56.0% (-65.2% to -42.6%)#**	**-37.8% (-45.5% to -28.9%)#**	**-11.8% (-19.8% to -2.1%)#**	**91.0% (62.1% to 124.8%)#**	**-50.8% (-62.7% to -36.6%)#**	**-51.6% (-62.6% to -38.1%)#**	**-35.0% (-45.5% to -22.5%)#**	**58.1% (36.1% to 83.8%)#**
	% change 2000-2017	-15.3% (-38.0% to 11.5%)	6.2% (-21.1% to 38.4%)	**-37.7% (-52.7% to -18.1%)#**	**-37.0% (-51.1% to -19.5%)#**	**-28.8% (-37.7% to -18.2%)#**	-3.0% (-11.8% to 7.6%)	**21.1% (2.5% to 42.9%)#**	-20.6% (-39.0% to 2.3%)	**-23.6% (-40.9% to -2.3%)#**	-13.5% (-27.3% to 2.9%)	15.9% (-0.5% to 34.9%)
Tropical Latin America	Death #, 1990	68,702 (66,418 to 71,149)	22,515 (21,573 to 23,487)	107,252 (103,453 to 111,483)	35,251 (32,692 to 37,859)	11,943 (11,722 to 12,169)	9,425 (9,322 to 9,525)	17,501 (17,393 to 17,603)	198,469 (192,801 to 204,542)	233,720 (227,812 to 239,885)	272,589 (266,273 to 279,041)	26,926 (26,720 to 27,106)
	% of global total, 1990	2.3% (2.2% to 2.4%)	1.8% (1.7% to 1.9%)	2.8% (2.7% to 2.9%)	1.0% (0.9% to 1.1%)	1.4% (1.4% to 1.4%)	2.0% (2.0% to 2.0%)	2.6% (2.6% to 2.6%)	2.4% (2.4% to 2.5%)	2.0% (1.9% to 2.0%)	2.0% (1.9% to 2.0%)	2.4% (2.3% to 2.4%)
	Death #, 2000	49,278 (47,538 to 51,104)	10,536 (10,062 to 11,069)	59,822 (57,591 to 61,982)	17,011 (16,094 to 17,909)	7,875 (7,706 to 8,045)	7,777 (7,680 to 7,875)	20,532 (20,396 to 20,664)	119,636 (115,673 to 123,589)	136,647 (132,417 to 140,824)	172,831 (168,388 to 177,306)	28,309 (28,087 to 28,539)
	% of global total, 2000	1.8% (1.7% to 1.9%)	1.1% (1.1% to 1.2%)	1.9% (1.9% to 2.0%)	0.6% (0.6% to 0.6%)	1.1% (1.1% to 1.1%)	1.6% (1.6% to 1.6%)	3.0% (3.0% to 3.1%)	1.8% (1.7% to 1.8%)	1.4% (1.4% to 1.5%)	1.5% (1.4% to 1.5%)	2.4% (2.4% to 2.5%)
	Death #, 2017	20,165 (18,981 to 21,358)	4,176 (3,895 to 4,459)	22,199 (20,669 to 23,772)	6,044 (5,668 to 6,428)	4,189 (4,026 to 4,355)	5,449 (5,333 to 5,564)	19,834 (19,648 to 20,033)	46,540 (43,628 to 49,401)	52,584 (49,338 to 55,780)	82,057 (78,510 to 85,675)	25,283 (25,004 to 25,577)
	% of global total, 2017	1.1% (1.0% to 1.2%)	0.8% (0.8% to 0.9%)	1.4% (1.3% to 1.5%)	0.4% (0.4% to 0.5%)	1.0% (1.0% to 1.1%)	1.7% (1.7% to 1.8%)	3.8% (3.8% to 3.9%)	1.2% (1.1% to 1.2%)	1.0% (0.9% to 1.1%)	1.2% (1.2% to 1.3%)	3.0% (3.0% to 3.1%)
	% change 1990-2017	**-70.7% (-72.6% to -68.5%)#**	**-81.5% (-83.1% to -79.8%)#**	**-79.3% (-80.9% to -77.6%)#**	**-82.9% (-84.5% to -81.1%)#**	**-64.9% (-66.4% to -63.4%)#**	**-42.2% (-43.5% to -40.8%)#**	**13.3% (12.1% to 14.6%)#**	**-76.5% (-78.2% to -74.8%)#**	**-77.5% (-78.9% to -76.0%)#**	**-69.9% (-71.3% to -68.4%)#**	**-6.1% (-7.3% to -4.9%)#**
	% change 2000-2017	**-59.1% (-61.9% to -56.2%)#**	**-60.4% (-63.4% to -57.1%)#**	**-62.9% (-65.5% to -60.0%)#**	**-64.5% (-67.2% to -61.6%)#**	**-46.8% (-49.2% to -44.6%)#**	**-29.9% (-31.6% to -28.3%)#**	**-3.4% (-4.5% to -2.2%)#**	**-61.1% (-63.7% to -58.4%)#**	**-61.5% (-64.0% to -59.1%)#**	**-52.5% (-54.8% to -50.2%)#**	**-10.7% (-11.8% to -9.4%)#**
Brazil	Death #, 1990	67081 (64826 to 69528)	21844 (20882 to 22829)	105970 (102180 to 110155)	34426 (31912 to 37011)	11658 (11431 to 11884)	9244 (9142 to 9341)	17253 (17145 to 17354)	194895 (189319 to 200907)	229321 (223506 to 235421)	267476 (261188 to 273951)	26497 (26294 to 26674)
	Death #, 2000	47734 (45890 to 49530)	10153 (9694 to 10687)	58682 (56419 to 60838)	16580 (15680 to 17476)	7623 (7451 to 7787)	7513 (7416 to 7609)	20040 (19912 to 20172)	116569 (112783 to 120500)	133149 (128981 to 137143)	168325 (163923 to 172677)	27553 (27340 to 27772)
	Death #, 2017	19641 (18455 to 20852)	4036 (3768 to 4317)	21263 (19784 to 22764)	5885 (5519 to 6253)	4034 (3871 to 4201)	5253 (5141 to 5367)	19297 (19125 to 19472)	44940 (42172 to 47691)	50825 (47733 to 53961)	79410 (75967 to 82948)	24550 (24283 to 24823)
	% change 1990-2017	**-70.7% (-72.6% to -68.7%)#**	**-81.5% (-83.2% to -79.9%)#**	**-79.9% (-81.5% to -78.2%)#**	**-82.9% (-84.5% to -81.1%)#**	**-65.4% (-66.9% to -63.9%)#**	**-43.2% (-44.5% to -41.8%)#**	**11.8% (10.7% to 13.0%)#**	**-76.9% (-78.5% to -75.3%)#**	**-77.8% (-79.3% to -76.3%)#**	**-70.3% (-71.7% to -68.8%)#**	**-7.3% (-8.5% to -6.1%)#**
	% change 2000-2017	**-58.9% (-61.7% to -56.0%)#**	**-60.2% (-63.4% to -56.8%)#**	**-63.8% (-66.5% to -60.8%)#**	**-64.5% (-67.4% to -61.6%)#**	**-47.1% (-49.4% to -44.8%)#**	**-30.1% (-31.8% to -28.4%)#**	**-3.7% (-4.8% to -2.6%)#**	**-61.5% (-64.0% to -58.8%)#**	**-61.8% (-64.3% to -59.3%)#**	**-52.8% (-55.1% to -50.5%)#**	**-10.9% (-12.1% to -9.7%)#**
Acre	Death #, 1990	305 (267 to 346)	98 (84 to 113)	411 (354 to 474)	180 (149 to 214)	58 (53 to 63)	40 (38 to 42)	58 (57 to 60)	815 (708 to 929)	995 (874 to 1,131)	1,152 (1,023 to 1,293)	99 (96 to 102)
	Death #, 2000	290 (252 to 336)	55 (47 to 65)	295 (258 to 341)	105 (89 to 121)	42 (39 to 47)	38 (36 to 40)	75 (73 to 76)	641 (562 to 735)	746 (658 to 850)	901 (807 to 1,013)	113 (110 to 116)
	Death #, 2017	148 (115 to 190)	27 (21 to 35)	123 (97 to 155)	40 (32 to 50)	29 (25 to 33)	34 (31 to 37)	118 (113 to 123)	299 (234 to 379)	339 (266 to 428)	519 (438 to 621)	151 (145 to 159)
	% change 1990-2017	**-51.4% (-63.6% to -35.3%)#**	**-72.1% (-79.0% to -63.2%)#**	**-70.1% (-77.5% to -60.9%)#**	**-77.6% (-83.6% to -69.7%)#**	**-50.1% (-57.6% to -41.3%)#**	**-15.8% (-22.9% to -7.7%)#**	**101.5% (92.8% to 110.8%)#**	**-63.4% (-72.4% to -51.9%)#**	**-65.9% (-74.2% to -55.8%)#**	**-54.9% (-63.4% to -44.6%)#**	**53.7% (46.1% to 62.5%)#**

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 2000-2017	**-48.8% (-60.9% to -32.0%)#**	**-50.4% (-62.6% to -33.5%)#**	**-58.4% (-67.9% to -46.0%)#**	**-61.6% (-70.6% to -50.1%)#**	**-31.9% (-41.5% to -20.4%)#**	**-11.2% (-18.4% to -2.9%)#**	**57.1% (50.1% to 64.5%)#**	**-53.4% (-64.2% to -39.1%)#**	**-54.5% (-65.0% to -41.0%)#**	**-42.4% (-52.6% to -29.4%)#**	**34.0% (27.2% to 41.2%)#**
Alagoas	Death #, 1990	2,266 (1,828 to 2,762)	1,980 (1,632 to 2,343)	4,918 (4,197 to 5,652)	2,071 (1,488 to 2,742)	372 (346 to 399)	223 (214 to 233)	236 (232 to 240)	9,163 (8,181 to 10,178)	11,235 (10,185 to 12,374)	12,066 (10,985 to 13,246)	459 (447 to 472)
	Death #, 2000	1,162 (1,003 to 1,344)	725 (633 to 829)	2,787 (2,441 to 3,199)	897 (754 to 1,054)	217 (200 to 234)	160 (152 to 167)	340 (326 to 353)	4,675 (4,175 to 5,246)	5,572 (5,015 to 6,162)	6,288 (5,707 to 6,891)	499 (480 to 519)
	Death #, 2017	316 (200 to 483)	169 (131 to 215)	626 (494 to 788)	161 (120 to 213)	102 (83 to 126)	134 (120 to 150)	603 (577 to 630)	1,112 (833 to 1,458)	1,272 (954 to 1,666)	2,111 (1,742 to 2,568)	737 (697 to 777)
	% change 1990-2017	**-86.0% (-91.5% to -77.9%)#**	**-91.5% (-93.9% to -88.4%)#**	**-87.3% (-90.6% to -83.4%)#**	**-92.2% (-94.9% to -88.0%)#**	**-72.5% (-78.2% to -65.7%)#**	**-40.0% (-47.2% to -31.9%)#**	**155.6% (143.5% to 167.8%)#**	**-87.9% (-91.1% to -83.8%)#**	**-88.7% (-91.8% to -84.8%)#**	**-82.5% (-86.1% to -78.1%)#**	**60.4% (50.6% to 70.5%)#**
	% change 2000-2017	**-72.8% (-83.0% to -58.9%)#**	**-76.7% (-82.8% to -69.2%)#**	**-77.5% (-83.2% to -70.8%)#**	**-82.1% (-87.3% to -75.5%)#**	**-52.8% (-62.4% to -41.2%)#**	**-16.1% (-26.2% to -4.8%)#**	**77.5% (67.3% to 88.1%)#**	**-76.2% (-82.7% to -68.4%)#**	**-77.2% (-83.3% to -69.7%)#**	**-66.4% (-73.0% to -58.5%)#**	**47.6% (38.3% to 57.9%)#**
Amapa	Death #, 1990	149 (133 to 167)	26 (23 to 30)	93 (83 to 104)	40 (32 to 49)	19 (18 to 20)	17 (16 to 18)	40 (39 to 41)	268 (241 to 299)	308 (279 to 339)	384 (354 to 417)	57 (56 to 59)
	Death #, 2000	234 (214 to 256)	34 (28 to 40)	69 (64 to 76)	34 (28 to 43)	24 (22 to 26)	27 (26 to 28)	90 (88 to 91)	338 (310 to 365)	372 (339 to 404)	512 (476 to 546)	116 (114 to 119)
	Death #, 2017	143 (122 to 168)	29 (21 to 37)	89 (77 to 102)	35 (28 to 42)	28 (25 to 31)	31 (29 to 33)	133 (129 to 138)	260 (222 to 304)	295 (251 to 345)	487 (439 to 545)	164 (159 to 170)
	% change 1990-2017	-3.9% (-21.6% to 16.2%)	9.6% (-19.2% to 49.2%)	-4.8% (-20.7% to 14.3%)	-13.8% (-36.8% to 18.1%)	**47.8% (30.6% to 66.9%)#**	**83.2% (71.5% to 95.9%)#**	**230.2% (216.5% to 244.8%)#**	-2.9% (-19.8% to 16.5%)	-4.3% (-21.0% to 14.2%)	**26.8% (10.3% to 44.3%)#**	**186.8% (174.9% to 199.4%)#**
	% change 2000-2017	**-38.9% (-48.8% to -27.5%)#**	-15.1% (-40.7% to 16.2%)	**27.6% (8.2% to 49.2%)#**	0.9% (-25.8% to 37.8%)	**17.2% (3.7% to 33.4%)#**	**16.0% (8.7% to 24.5%)#**	**48.9% (43.5% to 54.5%)#**	**-22.9% (-35.1% to -8.4%)#**	**-20.7% (-33.5% to -5.6%)#**	-4.8% (-15.7% to 8.3%)	**41.3% (36.1% to 47.1%)#**
Amazonas	Death #, 1990	944 (709 to 1,235)	525 (415 to 648)	1,014 (799 to 1,269)	1,005 (691 to 1,382)	223 (201 to 248)	152 (144 to 162)	253 (243 to 264)	2,483 (2,064 to 2,981)	3,489 (2,971 to 4,090)	4,118 (3,570 to 4,754)	406 (388 to 424)
	Death #, 2000	996 (857 to 1,165)	167 (133 to 206)	959 (816 to 1,120)	411 (315 to 517)	170 (159 to 180)	146 (142 to 151)	319 (314 to 323)	2,121 (1,924 to 2,325)	2,532 (2,321 to 2,743)	3,167 (2,938 to 3,392)	465 (457 to 474)
	Death #, 2017	592 (481 to 705)	95 (78 to 113)	526 (428 to 636)	213 (172 to 261)	137 (123 to 151)	140 (132 to 148)	505 (488 to 522)	1,212 (1,019 to 1,424)	1,426 (1,198 to 1,678)	2,207 (1,954 to 2,485)	645 (621 to 668)
	% change 1990-2017	**-37.3% (-56.3% to -10.5%)#**	**-82.0% (-86.6% to -75.8%)#**	**-48.1% (-63.1% to -27.4%)#**	**-78.8% (-85.6% to -68.1%)#**	**-38.8% (-47.0% to -29.3%)#**	**-8.4% (-15.2% to -0.6%)#**	**99.4% (88.8% to 110.4%)#**	**-51.2% (-62.4% to -36.5%)#**	**-59.1% (-68.1% to -48.4%)#**	**-46.4% (-56.0% to -35.2%)#**	**58.9% (50.2% to 68.2%)#**
	% change 2000-2017	**-40.6% (-54.2% to -24.6%)#**	**-43.2% (-58.5% to -23.9%)#**	**-45.1% (-58.2% to -28.6%)#**	**-48.2% (-60.0% to -31.5%)#**	**-19.4% (-28.2% to -9.3%)#**	-4.6% (-10.5% to 1.8%)	**58.4% (52.6% to 64.3%)#**	**-42.8% (-53.3% to -31.9%)#**	**-43.7% (-53.4% to -33.1%)#**	**-30.3% (-39.5% to -20.9%)#**	**38.6% (33.0% to 44.3%)#**
Bahia	Death #, 1990	6,944 (6,130 to 7,882)	1,911 (1,713 to 2,120)	17,688 (15,882 to 19,648)	3,707 (2,655 to 4,912)	1,542 (1,436 to 1,647)	975 (929 to 1,021)	1,218 (1,149 to 1,292)	26,543 (23,995 to 29,313)	30,250 (27,534 to 33,083)	33,985 (31,137 to 36,922)	2,193 (2,084 to 2,306)
	Death #, 2000	5,143 (4,327 to 6,171)	792 (669 to 935)	10,410 (9,184 to 11,859)	1,538 (1,219 to 1,914)	804 (725 to 889)	762 (716 to 809)	1,409 (1,327 to 1,500)	16,345 (14,323 to 18,603)	17,883 (15,667 to 20,227)	20,858 (18,539 to 23,403)	2,171 (2,051 to 2,296)
	Death #, 2017	2,000 (1,493 to 2,640)	300 (223 to 399)	3,357 (2,519 to 4,386)	461 (345 to 611)	392 (318 to 482)	432 (386 to 483)	1,111 (1,073 to 1,150)	5,657 (4,251 to 7,423)	6,117 (4,595 to 8,030)	8,053 (6,381 to 10,140)	1,543 (1,463 to 1,631)
	% change 1990-2017	**-71.2% (-79.6% to -61.2%)#**	**-84.3% (-88.7% to -79.0%)#**	**-81.0% (-86.3% to -74.9%)#**	**-87.6% (-91.8% to -81.1%)#**	**-74.6% (-79.8% to -68.3%)#**	**-55.7% (-61.0% to -49.9%)#**	**-8.8% (-14.8% to -2.4%)#**	**-78.7% (-84.5% to -71.5%)#**	**-79.8% (-85.3% to -73.1%)#**	**-76.3% (-81.8% to -69.6%)#**	**-29.6% (-34.9% to -24.4%)#**
	% change 2000-2017	**-61.1% (-72.8% to -45.8%)#**	**-62.2% (-73.2% to -48.3%)#**	**-67.8% (-75.8% to -57.5%)#**	**-70.1% (-79.3% to -57.1%)#**	**-51.2% (-60.9% to -39.4%)#**	**-43.3% (-49.8% to -35.8%)#**	**-21.1% (-26.6% to -15.4%)#**	**-65.4% (-74.3% to -53.8%)#**	**-65.8% (-74.6% to -54.7%)#**	**-61.4% (-70.0% to -50.8%)#**	**-28.9% (-34.0% to -23.1%)#**
Ceara	Death #, 1990	4371 (3876 to 4883)	1937 (1664 to 2226)	12180 (10892 to 13577)	2139 (1643 to 2744)	814 (759 to 869)	408 (391 to 427)	447 (425 to 470)	18489 (16749 to 20382)	20628 (18758 to 22505)	22297 (20357 to 24259)	855 (818 to 895)
	Death #, 2000	2962 (2530 to 3465)	999 (837 to 1169)	6482 (5713 to 7352)	820 (633 to 1038)	540 (486 to 597)	425 (398 to 452)	765 (726 to 809)	10442 (9167 to 11856)	11262 (9916 to 12729)	12992 (11535 to 14550)	1190 (1131 to 1253)
	Death #, 2017	855 (632 to 1133)	278 (205 to 370)	1553 (1162 to 2045)	175 (129 to 233)	234 (189 to 287)	277 (247 to 311)	1170 (1119 to 1222)	2686 (2008 to 3548)	2861 (2135 to 3773)	4542 (3688 to 5599)	1448 (1371 to 1530)
	% change 1990-2017	**-80.4% (-86.1% to -73.5%)#**	**-85.6% (-89.9% to -80.0%)#**	**-87.2% (-90.9% to -83.0%)#**	**-91.8% (-94.6% to -87.8%)#**	**-71.3% (-77.2% to -64.2%)#**	**-32.1% (-40.0% to -22.9%)#**	**162.0% (144.4% to 180.5%)#**	**-85.5% (-89.7% to -80.5%)#**	**-86.1% (-90.0% to -81.5%)#**	**-79.6% (-84.0% to -74.4%)#**	**69.3% (57.1% to 81.4%)#**
	% change 2000-2017	**-71.1% (-79.4% to -60.6%)#**	**-72.1% (-80.2% to -61.5%)#**	**-76.0% (-82.1% to -67.9%)#**	**-78.7% (-85.6% to -69.0%)#**	**-56.8% (-65.4% to -46.0%)#**	**-34.7% (-42.5% to -25.9%)#**	**53.0% (43.0% to 63.5%)#**	**-74.3% (-81.0% to -65.5%)#**	**-74.6% (-81.2% to -65.8%)#**	**-65.0% (-72.0% to -56.1%)#**	**21.7% (13.1% to 30.8%)#**
Distrito Federal	Death #, 1990	750 (661 to 842)	191 (162 to 225)	410 (337 to 487)	165 (129 to 208)	81 (75 to 86)	83 (80 to 86)	204 (201 to 207)	1,352 (1,216 to 1,489)	1,517 (1,376 to 1,661)	1,884 (1,734 to 2,035)	287 (282 to 292)
	Death #, 2000	574 (519 to 634)	99 (85 to 113)	259 (236 to 284)	108 (86 to 136)	75 (70 to 79)	79 (76 to 82)	329 (325 to 333)	932 (852 to 1,018)	1,040 (959 to 1,125)	1,522 (1,433 to 1,615)	408 (402 to 414)
	Death #, 2017	281 (237 to 326)	51 (43 to 60)	151 (125 to 177)	61 (51 to 72)	56 (50 to 62)	68 (64 to 72)	257 (248 to 267)	484 (406 to 561)	545 (458 to 632)	926 (829 to 1,028)	325 (313 to 337)
	% change 1990-2017	**-62.5% (-69.1% to -54.8%)#**	**-73.3% (-78.9% to -66.2%)#**	**-63.1% (-72.7% to -50.7%)#**	**-62.8% (-71.9% to -50.6%)#**	**-30.9% (-39.3% to -22.0%)#**	**-18.8% (-24.4% to -13.0%)#**	**26.4% (21.0% to 31.6%)#**	**-64.2% (-70.7% to -57.0%)#**	**-64.1% (-70.7% to -57.2%)#**	**-50.9% (-57.4% to -44.2%)#**	**13.2% (8.2% to 18.2%)#**
	% change 2000-2017	**-51.0% (-59.4% to -41.0%)#**	**-48.2% (-58.2% to -35.1%)#**	**-41.6% (-53.0% to -29.4%)#**	**-43.0% (-56.9% to -25.7%)#**	**-25.3% (-33.7% to -15.7%)#**	**-14.5% (-19.8% to -8.5%)#**	**-21.7% (-24.9% to -18.5%)#**	**-48.1% (-57.2% to -38.1%)#**	**-47.6% (-56.2% to -38.4%)#**	**-39.2% (-46.1% to -31.8%)#**	**-20.3% (-23.5% to -16.9%)#**
Espirito Santo	Death #, 1990	1,019 (922 to 1,125)	275 (247 to 305)	1,093 (986 to 1,205)	375 (315 to 437)	194 (183 to 206)	181 (176 to 187)	302 (298 to 306)	2,387 (2,177 to 2,616)	2,762 (2,527 to 3,031)	3,439 (3,183 to 3,727)	483 (474 to 492)
	Death #, 2000	727 (655 to 803)	116 (101 to 133)	501 (451 to 555)	183 (158 to 209)	127 (119 to 137)	144 (139 to 150)	467 (461 to 474)	1,344 (1,222 to 1,477)	1,526 (1,396 to 1,673)	2,265 (2,116 to 2,433)	612 (600 to 624)
	Death #, 2017	353 (276 to 449)	67 (53 to 84)	284 (225 to 355)	101 (82 to 125)	72 (63 to 83)	100 (93 to 109)	427 (410 to 445)	704 (556 to 890)	805 (637 to 1,014)	1,404 (1,211 to 1,640)	528 (504 to 552)
	% change 1990-2017	**-65.4% (-73.5% to -55.0%)#**	**-75.8% (-81.4% to -68.7%)#**	**-74.0% (-79.8% to -67.0%)#**	**-73.0% (-79.7% to -64.3%)#**	**-63.0% (-68.2% to -57.0%)#**	**-44.7% (-49.1% to -39.6%)#**	**41.7% (36.0% to 47.9%)#**	**-70.5% (-77.2% to -62.5%)#**	**-70.9% (-77.3% to -62.7%)#**	**-59.2% (-65.6% to -51.5%)#**	**9.3% (4.2% to 14.9%)#**
	% change 2000-2017	**-51.5% (-62.8% to -37.1%)#**	**-42.5% (-56.3% to -24.5%)#**	**-43.3% (-55.7% to -28.3%)#**	**-44.6% (-57.4% to -28.5%)#**	**-43.6% (-51.6% to -34.3%)#**	**-30.5% (-36.2% to -24.1%)#**	**-8.5% (-12.2% to -4.7%)#**	**-47.6% (-59.5% to -33.2%)#**	**-47.3% (-59.1% to -32.7%)#**	**-38.0% (-47.5% to -26.5%)#**	**-13.7% (-17.6% to -9.4%)#**
Goias	Death #, 1990	1658 (1460 to 1892)	446 (381 to 518)	1257 (1093 to 1456)	564 (443 to 704)	297 (270 to 326)	267 (253 to 281)	586 (574 to 598)	3361 (2936 to 3841)	3926 (3448 to 4452)	5075 (4554 to 5646)	853 (829 to 878)
	Death #, 2000	1030 (918 to 1137)	192 (167 to 219)	627 (562 to 694)	270 (201 to 357)	177 (165 to 189)	209 (201 to 216)	540 (533 to 548)	1849 (1670 to 2023)	2119 (1933 to 2304)	3046 (2831 to 3253)	749 (734 to 763)
	Death #, 2017	648 (549 to 758)	127 (99 to 163)	402 (345 to 471)	155 (124 to 190)	124 (112 to 136)	176 (167 to 186)	820 (796 to 845)	1178 (1002 to 1376)	1332 (1137 to 1552)	2453 (2225 to 2698)	996 (966 to 1029)
	% change 1990-2017	**-60.9% (-69.0% to -51.5%)#**	**-71.4% (-79.5% to -60.7%)#**	**-68.0% (-74.6% to -60.1%)#**	**-72.6% (-79.7% to -62.1%)#**	**-58.2% (-63.8% to -51.8%)#**	**-33.9% (-38.9% to -28.7%)#**	**39.9% (34.6% to 45.6%)#**	**-65.0% (-71.9% to -56.5%)#**	**-66.1% (-72.5% to -58.3%)#**	**-51.7% (-58.6% to -43.6%)#**	**16.8% (11.8% to 22.1%)#**
	% change 2000-2017	**-37.1% (-48.4% to -23.1%)#**	**-33.8% (-48.8% to -14.5%)#**	**-35.8% (-47.0% to -22.3%)#**	**-42.8% (-62.7% to -12.2%)#**	**-29.9% (-37.5% to -21.2%)#**	**-15.7% (-20.8% to -10.3%)#**	**51.8% (46.8% to 56.8%)#**	**-36.3% (-46.7% to -23.5%)#**	**-37.1% (-47.1% to -25.5%)#**	**-19.5% (-27.7% to -9.6%)#**	**32.9% (28.1% to 37.9%)#**
Maranhao	Death #, 1990	5,536 (4,876 to 6,247)	1,395 (1,179 to 1,626)	8,363 (7,437 to 9,433)	3,409 (2,457 to 4,577)	778 (727 to 831)	328 (313 to 343)	383 (364 to 404)	15,294 (13,711 to 16,944)	18,703 (16,979 to 20,521)	20,192 (18,402 to 22,072)	712 (679 to 745)
	Death #, 2000	2,832 (2,449 to 3,273)	670 (576 to 776)	5,138 (4,544 to 5,841)	1,672 (1,353 to 2,025)	488 (451 to 529)	344 (326 to 361)	498 (472 to 526)	8,640 (7,677 to 9,726)	10,312 (9,258 to 11,398)	11,642 (10,528 to 12,803)	841 (803 to 883)
	Death #, 2017	1,017 (783 to 1,322)	230 (178 to 298)	1,572 (1,224 to 2,010)	433 (341 to 548)	258 (226 to 292)	223 (208 to 238)	416 (399 to 435)	2,819 (2,190 to 3,630)	3,252 (2,532 to 4,188)	4,149 (3,390 to 5,137)	639 (616 to 660)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 1990-2017	**-81.6% (-86.3% to -75.4%)#**	**-83.5% (-87.9% to -77.8%)#**	**-81.2% (-85.9% to -75.4%)#**	**-87.3% (-91.4% to -81.0%)#**	**-66.8% (-71.4% to -61.8%)#**	**-32.3% (-37.8% to -26.6%)#**	**8.6% (1.6% to 15.9%)#**	**-81.6% (-86.1% to -75.8%)#**	**-82.6% (-86.8% to -77.4%)#**	**-79.5% (-83.6% to -74.3%)#**	**-10.3% (-15.5% to -5.0%)#**
	% change 2000-2017	**-64.1% (-73.0% to -51.8%)#**	**-65.7% (-74.2% to -53.9%)#**	**-69.4% (-76.7% to -60.0%)#**	**-74.1% (-81.4% to -65.1%)#**	**-47.1% (-54.2% to -38.9%)#**	**-35.2% (-40.1% to -29.7%)#**	**-16.4% (-22.1% to -10.5%)#**	**-67.4% (-75.0% to -57.0%)#**	**-68.5% (-75.7% to -58.9%)#**	**-64.4% (-71.3% to -55.1%)#**	**-24.1% (-28.5% to -19.4%)#**
Mato Grosso	Death #, 1990	851 (689 to 1042)	317 (247 to 394)	846 (723 to 989)	634 (507 to 782)	186 (169 to 205)	141 (134 to 149)	290 (271 to 310)	2014 (1713 to 2354)	2648 (2329 to 3000)	3265 (2911 to 3634)	431 (407 to 456)
	Death #, 2000	670 (585 to 766)	134 (98 to 180)	567 (499 to 642)	286 (231 to 344)	132 (124 to 140)	112 (109 to 116)	321 (316 to 325)	1372 (1259 to 1489)	1657 (1529 to 1789)	2222 (2082 to 2366)	433 (425 to 440)
	Death #, 2017	368 (313 to 430)	70 (59 to 83)	303 (260 to 353)	140 (119 to 164)	75 (68 to 83)	99 (93 to 104)	370 (357 to 383)	742 (634 to 865)	882 (755 to 1027)	1425 (1283 to 1587)	468 (451 to 486)
	% change 1990-2017	**-56.7% (-68.2% to -40.9%)#**	**-78.0% (-83.0% to -71.5%)#**	**-64.1% (-72.0% to -54.4%)#**	**-77.9% (-82.6% to -71.2%)#**	**-59.5% (-65.0% to -53.3%)#**	**-30.2% (-35.6% to -24.1%)#**	**27.5% (18.1% to 37.1%)#**	**-63.2% (-71.4% to -52.9%)#**	**-66.7% (-73.2% to -58.5%)#**	**-56.3% (-63.3% to -48.1%)#**	**8.6% (1.1% to 16.4%)#**
	% change 2000-2017	**-45.0% (-56.4% to -31.6%)#**	**-48.1% (-63.6% to -24.4%)#**	**-46.5% (-55.4% to -35.3%)#**	**-50.9% (-61.4% to -36.4%)#**	**-43.1% (-49.3% to -36.0%)#**	**-12.1% (-17.6% to -6.4%)#**	**15.2% (11.1% to 19.7%)#**	**-45.9% (-54.9% to -35.4%)#**	**-46.8% (-55.4% to -37.0%)#**	**-35.9% (-43.2% to -27.3%)#**	**8.1% (4.0% to 12.6%)#**
Mato Grosso do Sul	Death #, 1990	868 (760 to 984)	185 (145 to 230)	538 (473 to 607)	217 (170 to 272)	110 (103 to 117)	118 (114 to 121)	197 (195 to 200)	1,591 (1,422 to 1,781)	1,808 (1,635 to 1,990)	2,232 (2,047 to 2,426)	315 (309 to 321)
	Death #, 2000	621 (543 to 705)	101 (80 to 126)	472 (421 to 523)	183 (153 to 215)	79 (73 to 83)	102 (99 to 106)	266 (262 to 270)	1,195 (1,087 to 1,305)	1,378 (1,259 to 1,496)	1,825 (1,696 to 1,954)	369 (361 to 375)
	Death #, 2017	272 (229 to 318)	49 (41 to 58)	243 (206 to 281)	103 (87 to 121)	55 (49 to 60)	75 (71 to 79)	242 (233 to 251)	565 (475 to 657)	668 (564 to 778)	1,040 (927 to 1,165)	317 (304 to 329)
	% change 1990-2017	**-68.6% (-75.1% to -61.4%)#**	**-73.3% (-79.7% to -63.8%)#**	**-54.8% (-64.7% to -44.0%)#**	**-52.3% (-61.5% to -40.5%)#**	**-50.2% (-56.0% to -44.0%)#**	**-36.3% (-40.5% to -32.0%)#**	**22.5% (17.9% to 27.4%)#**	**-64.5% (-71.7% to -56.7%)#**	**-63.0% (-69.9% to -55.7%)#**	**-53.4% (-59.9% to -46.5%)#**	0.6% (-3.8% to 5.0%)
	% change 2000-2017	**-56.1% (-64.8% to -45.7%)#**	**-51.3% (-63.2% to -35.1%)#**	**-48.5% (-58.0% to -37.1%)#**	**-43.5% (-54.8% to -28.7%)#**	**-30.5% (-38.2% to -21.2%)#**	**-26.8% (-31.4% to -21.8%)#**	**-9.2% (-12.4% to -5.5%)#**	**-52.7% (-60.9% to -43.2%)#**	**-51.5% (-59.7% to -41.5%)#**	**-43.0% (-50.2% to -34.6%)#**	**-14.1% (-17.6% to -10.4%)#**
Minas Gerais	Death #, 1990	7,150 (6,183 to 8,160)	1,306 (1,026 to 1,645)	5,577 (4,658 to 6,560)	2,266 (1,601 to 3,060)	1,001 (908 to 1,099)	918 (871 to 966)	1,380 (1,357 to 1,401)	14,033 (12,107 to 16,066)	16,299 (14,361 to 18,481)	19,598 (17,494 to 21,976)	2,297 (2,229 to 2,367)
	Death #, 2000	5,054 (4,265 to 5,931)	723 (585 to 896)	3,607 (3,084 to 4,159)	1,358 (1,048 to 1,719)	672 (596 to 756)	677 (635 to 722)	1,477 (1,446 to 1,508)	9,384 (8,042 to 10,919)	10,742 (9,247 to 12,502)	13,568 (11,925 to 15,473)	2,154 (2,081 to 2,230)
	Death #, 2017	1,702 (1,261 to 2,253)	272 (198 to 362)	1,404 (1,049 to 1,858)	532 (397 to 707)	335 (271 to 412)	495 (441 to 557)	1,722 (1,651 to 1,794)	3,378 (2,513 to 4,473)	3,910 (2,913 to 5,184)	6,462 (5,294 to 7,967)	2,217 (2,095 to 2,350)
	% change 1990-2017	**-76.2% (-83.0% to -67.3%)#**	**-79.2% (-85.4% to -70.3%)#**	**-74.8% (-82.2% to -65.1%)#**	**-76.5% (-84.8% to -64.1%)#**	**-66.6% (-73.5% to -58.0%)#**	**-46.0% (-52.3% to -38.8%)#**	**24.8% (19.6% to 30.4%)#**	**-75.9% (-82.6% to -67.4%)#**	**-76.0% (-82.7% to -67.2%)#**	**-67.0% (-74.0% to -58.2%)#**	-3.5% (-9.2% to 2.8%)
	% change 2000-2017	**-66.3% (-75.9% to -53.5%)#**	**-62.4% (-74.0% to -46.2%)#**	**-61.1% (-71.3% to -47.3%)#**	**-60.8% (-73.1% to -44.2%)#**	**-50.2% (-60.1% to -36.8%)#**	**-26.8% (-35.1% to -16.5%)#**	**16.5% (11.5% to 22.0%)#**	**-64.0% (-73.7% to -50.5%)#**	**-63.6% (-73.6% to -50.3%)#**	**-52.4% (-62.2% to -39.6%)#**	2.9% (-3.3% to 9.9%)
Para	Death #, 1990	2,566 (2,051 to 3,157)	806 (620 to 1,013)	3,606 (2,939 to 4,311)	2,582 (2,056 to 3,193)	561 (515 to 612)	372 (353 to 391)	499 (480 to 521)	6,978 (6,011 to 8,193)	9,560 (8,512 to 10,711)	10,992 (9,867 to 12,219)	871 (837 to 908)
	Death #, 2000	2,066 (1,713 to 2,473)	443 (366 to 535)	2,560 (2,145 to 3,062)	1,205 (918 to 1,529)	406 (361 to 455)	323 (302 to 345)	670 (641 to 699)	5,069 (4,327 to 5,900)	6,274 (5,418 to 7,216)	7,673 (6,743 to 8,694)	993 (948 to 1,042)
	Death #, 2017	1,019 (781 to 1,326)	218 (169 to 282)	1,128 (881 to 1,433)	522 (413 to 655)	263 (231 to 300)	306 (286 to 330)	835 (807 to 862)	2,365 (1,827 to 3,036)	2,887 (2,244 to 3,697)	4,291 (3,584 to 5,182)	1,142 (1,095 to 1,188)
	% change 1990-2017	**-60.3% (-71.7% to -44.0%)#**	**-73.0% (-80.8% to -61.3%)#**	**-68.7% (-77.3% to -57.3%)#**	**-79.8% (-85.4% to -72.4%)#**	**-53.2% (-60.4% to -45.1%)#**	**-17.6% (-25.0% to -9.9%)#**	**67.4% (58.7% to 77.0%)#**	**-66.1% (-75.0% to -54.0%)#**	**-69.8% (-77.2% to -60.4%)#**	**-61.0% (-68.7% to -51.2%)#**	**31.1% (23.4% to 39.1%)#**
	% change 2000-2017	**-50.7% (-63.8% to -33.0%)#**	**-50.8% (-63.6% to -33.2%)#**	**-56.0% (-67.2% to -40.8%)#**	**-56.7% (-70.1% to -38.3%)#**	**-35.2% (-44.8% to -23.4%)#**	-5.1% (-13.0% to 4.4%)	**24.6% (18.3% to 31.9%)#**	**-53.4% (-64.7% to -37.8%)#**	**-54.0% (-64.9% to -39.0%)#**	**-44.1% (-54.8% to -30.2%)#**	**14.9% (8.6% to 22.2%)#**
Paraiba	Death #, 1990	1,610 (1,395 to 1,837)	972 (798 to 1,177)	2,995 (2,596 to 3,423)	1,071 (700 to 1,520)	256 (236 to 275)	188 (180 to 197)	283 (272 to 294)	5,577 (4,939 to 6,279)	6,648 (5,871 to 7,432)	7,376 (6,571 to 8,202)	472 (454 to 489)
	Death #, 2000	1,023 (850 to 1,222)	349 (286 to 425)	1,570 (1,333 to 1,823)	455 (350 to 574)	197 (175 to 219)	174 (163 to 185)	351 (337 to 366)	2,943 (2,498 to 3,448)	3,398 (2,880 to 3,983)	4,120 (3,562 to 4,749)	525 (502 to 549)
	Death #, 2017	293 (217 to 387)	103 (77 to 138)	494 (370 to 647)	143 (107 to 190)	112 (90 to 137)	145 (129 to 164)	449 (412 to 488)	890 (667 to 1,167)	1,033 (775 to 1,356)	1,739 (1,423 to 2,131)	594 (546 to 647)
	% change 1990-2017	**-81.8% (-87.2% to -75.0%)#**	**-89.4% (-92.5% to -85.2%)#**	**-83.5% (-88.3% to -77.9%)#**	**-86.6% (-91.7% to -78.4%)#**	**-56.4% (-65.5% to -45.5%)#**	**-22.9% (-32.3% to -12.3%)#**	**58.5% (44.3% to 74.3%)#**	**-84.0% (-88.5% to -78.5%)#**	**-84.5% (-88.8% to -79.0%)#**	**-76.4% (-81.4% to -70.4%)#**	**26.0% (14.9% to 38.5%)#**
	% change 2000-2017	**-71.4% (-79.3% to -60.9%)#**	**-70.4% (-79.2% to -58.3%)#**	**-68.6% (-76.8% to -57.8%)#**	**-68.5% (-78.1% to -54.4%)#**	**-43.3% (-54.7% to -28.7%)#**	**-16.5% (-25.9% to -5.1%)#**	**27.9% (16.3% to 41.3%)#**	**-69.8% (-78.0% to -59.2%)#**	**-69.6% (-77.8% to -59.0%)#**	**-57.8% (-66.0% to -46.9%)#**	**13.2% (3.0% to 24.4%)#**
Parana	Death #, 1990	3,530 (3,141 to 3,938)	643 (534 to 780)	3,099 (2,711 to 3,488)	1,083 (724 to 1,539)	469 (442 to 497)	488 (473 to 503)	859 (849 to 868)	7,272 (6,514 to 8,022)	8,355 (7,623 to 9,134)	10,171 (9,396 to 10,987)	1,346 (1,323 to 1,370)
	Death #, 2000	2,143 (1,870 to 2,430)	280 (212 to 369)	1,697 (1,524 to 1,910)	553 (451 to 677)	347 (324 to 371)	357 (344 to 370)	949 (938 to 962)	4,120 (3,752 to 4,497)	4,672 (4,285 to 5,068)	6,326 (5,894 to 6,774)	1,306 (1,282 to 1,331)
	Death #, 2017	945 (693 to 1,273)	134 (98 to 181)	884 (653 to 1,181)	258 (190 to 348)	160 (128 to 198)	257 (229 to 288)	1,021 (978 to 1,064)	1,963 (1,442 to 2,633)	2,221 (1,640 to 2,982)	3,658 (2,980 to 4,524)	1,277 (1,211 to 1,351)
	% change 1990-2017	**-73.2% (-80.7% to -63.5%)#**	**-79.1% (-85.8% to -69.8%)#**	**-71.5% (-79.5% to -61.3%)#**	**-76.2% (-85.5% to -59.6%)#**	**-65.9% (-72.8% to -57.5%)#**	**-47.4% (-53.5% to -40.5%)#**	**18.9% (13.8% to 24.3%)#**	**-73.0% (-80.5% to -63.2%)#**	**-73.4% (-80.7% to -63.7%)#**	**-64.0% (-71.3% to -55.1%)#**	-5.1% (-10.2% to 0.7%)
	% change 2000-2017	**-55.9% (-68.0% to -40.2%)#**	**-52.0% (-68.8% to -28.6%)#**	**-47.9% (-62.1% to -29.9%)#**	**-53.3% (-68.1% to -31.6%)#**	**-54.0% (-63.0% to -43.0%)#**	**-28.1% (-36.0% to -19.1%)#**	**7.5% (3.0% to 12.3%)#**	**-52.4% (-65.1% to -36.2%)#**	**-52.5% (-65.2% to -36.4%)#**	**-42.2% (-53.1% to -28.5%)#**	-2.2% (-7.7% to 3.8%)
Pernambuco	Death #, 1990	4,791 (4,257 to 5,381)	1,583 (1,398 to 1,782)	12,387 (11,053 to 13,845)	2,490 (1,740 to 3,400)	728 (681 to 778)	560 (539 to 582)	964 (951 to 977)	18,761 (16,893 to 20,831)	21,251 (19,446 to 23,297)	23,503 (21,613 to 25,630)	1,524 (1,490 to 1,558)
	Death #, 2000	3,607 (3,086 to 4,302)	517 (433 to 607)	6,230 (5,466 to 7,084)	1,001 (763 to 1,294)	491 (436 to 551)	434 (407 to 463)	1,310 (1,282 to 1,336)	10,354 (9,120 to 11,751)	11,354 (9,981 to 12,930)	13,590 (12,110 to 15,273)	1,744 (1,690 to 1,800)
	Death #, 2017	1,152 (851 to 1,534)	159 (117 to 212)	1,654 (1,238 to 2,185)	250 (186 to 335)	235 (190 to 289)	303 (271 to 339)	1,282 (1,230 to 1,338)	2,964 (2,206 to 3,921)	3,214 (2,393 to 4,252)	5,035 (4,097 to 6,202)	1,586 (1,502 to 1,669)
	% change 1990-2017	**-76.0% (-82.8% to -67.4%)#**	**-90.0% (-92.8% to -86.3%)#**	**-86.7% (-90.5% to -82.0%)#**	**-90.0% (-93.7% to -84.2%)#**	**-67.8% (-74.3% to -59.7%)#**	**-45.9% (-52.2% to -38.8%)#**	**33.1% (27.2% to 39.1%)#**	**-84.2% (-88.8% to -78.8%)#**	**-84.9% (-89.2% to -79.7%)#**	**-78.6% (-83.2% to -73.1%)#**	4.1% (-2.0% to 10.4%)
	% change 2000-2017	**-68.1% (-77.4% to -56.0%)#**	**-69.3% (-78.2% to -57.1%)#**	**-73.5% (-80.2% to -64.5%)#**	**-75.0% (-83.1% to -63.4%)#**	**-52.2% (-61.9% to -40.0%)#**	**-30.1% (-38.2% to -20.8%)#**	-2.1% (-6.3% to 2.6%)	**-71.4% (-78.8% to -61.6%)#**	**-71.7% (-79.1% to -61.4%)#**	**-63.0% (-70.5% to -53.5%)#**	**-9.1% (-14.2% to -3.2%)#**
Piaui	Death #, 1990	1,905 (1,531 to 2,382)	750 (593 to 936)	2,462 (2,131 to 2,821)	844 (675 to 1,044)	254 (236 to 275)	162 (155 to 169)	179 (171 to 188)	5,117 (4,573 to 5,758)	5,961 (5,369 to 6,592)	6,556 (5,941 to 7,209)	341 (327 to 356)
	Death #, 2000	1,586 (1,337 to 1,864)	365 (263 to 495)	1,513 (1,276 to 1,756)	416 (335 to 504)	174 (154 to 193)	149 (140 to 158)	248 (237 to 260)	3,463 (2,953 to 4,020)	3,879 (3,321 to 4,477)	4,450 (3,867 to 5,074)	397 (379 to 415)
	Death #, 2017	532 (413 to 671)	116 (90 to 147)	452 (308 to 658)	123 (98 to 154)	109 (95 to 124)	120 (112 to 129)	334 (322 to 347)	1,100 (839 to 1,438)	1,222 (937 to 1,593)	1,786 (1,475 to 2,183)	454 (436 to 475)
	% change 1990-2017	**-72.1% (-80.0% to -61.2%)#**	**-84.5% (-88.7% to -79.1%)#**	**-81.6% (-87.9% to -72.9%)#**	**-85.5% (-89.5% to -80.2%)#**	**-57.1% (-63.2% to -50.0%)#**	**-25.6% (-31.7% to -18.9%)#**	**86.5% (75.8% to 97.8%)#**	**-78.5% (-84.0% to -71.5%)#**	**-79.5% (-84.6% to -73.1%)#**	**-72.8% (-78.0% to -66.2%)#**	**33.3% (25.7% to 41.7%)#**
	% change 2000-2017	**-66.5% (-75.3% to -55.2%)#**	**-68.2% (-78.1% to -53.8%)#**	**-70.1% (-79.2% to -55.7%)#**	**-70.5% (-78.0% to -59.8%)#**	**-37.4% (-46.2% to -26.3%)#**	**-19.4% (-26.0% to -11.5%)#**	**34.8% (27.0% to 43.1%)#**	**-68.2% (-76.2% to -56.7%)#**	**-68.5% (-76.3% to -57.4%)#**	**-59.9% (-67.7% to -49.2%)#**	**14.5% (7.8% to 22.0%)#**
	Death #, 1990	2,283 (1,969 to 2,623)	1,826 (1,521 to 2,160)	4,229 (3,558 to 4,905)	2,923 (2,185 to 3,815)	742 (702 to 788)	836 (811 to 863)	2,407 (2,382 to 2,431)	8,338 (7,446 to 9,298)	11,261 (10,337 to 12,230)	15,246 (14,253 to 16,276)	3,243 (3,195 to 3,293)
	Death #, 2000	1,835 (1,621 to 2,069)	850 (691 to 1,039)	2,068 (1,772 to 2,373)	1,414 (1,129 to 1,763)	439 (415 to 462)	523 (507 to 537)	2,159 (2,142 to 2,177)	4,754 (4,307 to 5,222)	6,168 (5,765 to 6,602)	9,289 (8,842 to 9,758)	2,682 (2,649 to 2,712)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Rio de Janeiro	Death #, 2017	1,367 (1,144 to 1,617)	308 (240 to 393)	1,174 (984 to 1,399)	416 (307 to 540)	241 (219 to 266)	401 (381 to 423)	2,176 (2,120 to 2,238)	2,850 (2,420 to 3,358)	3,265 (2,794 to 3,799)	6,084 (5,543 to 6,694)	2,578 (2,508 to 2,659)
	% change 1990-2017	**-40.1% (-52.5% to -24.8%)#**	**-83.1% (-88.2% to -76.6%)#**	**-72.2% (-77.9% to -64.4%)#**	**-85.8% (-90.8% to -78.0%)#**	**-67.5% (-71.0% to -63.5%)#**	**-52.0% (-54.9% to -48.9%)#**	**-9.6% (-12.1% to -6.8%)#**	**-65.8% (-72.3% to -58.2%)#**	**-71.0% (-75.8% to -65.3%)#**	**-60.1% (-64.3% to -55.0%)#**	**-20.5% (-23.0% to -17.7%)#**
	% change 2000-2017	**-25.5% (-39.0% to -9.0%)#**	**-63.8% (-75.3% to -48.2%)#**	**-43.2% (-53.7% to -29.1%)#**	**-70.6% (-78.9% to -59.0%)#**	**-45.0% (-50.6% to -38.7%)#**	**-23.2% (-27.6% to -18.8%)#**	0.8% (-1.9% to 3.8%)	**-40.0% (-50.0% to -28.0%)#**	**-47.1% (-55.1% to -38.3%)#**	**-34.5% (-40.6% to -27.7%)#**	**-3.9% (-6.7% to -0.7%)#**
Rio Grande do Norte	Death #, 1990	1,422 (1,239 to 1,620)	821 (681 to 967)	3,071 (2,695 to 3,468)	765 (561 to 1,027)	233 (216 to 250)	151 (144 to 158)	161 (152 to 170)	5,314 (4,765 to 5,882)	6,079 (5,504 to 6,696)	6,623 (6,031 to 7,266)	312 (297 to 327)
	Death #, 2000	807 (669 to 976)	313 (251 to 390)	1,918 (1,650 to 2,216)	290 (223 to 368)	144 (128 to 162)	148 (138 to 158)	250 (236 to 266)	3,038 (2,618 to 3,501)	3,328 (2,868 to 3,850)	3,870 (3,377 to 4,424)	398 (376 to 420)
	Death #, 2017	221 (165 to 292)	92 (68 to 123)	555 (416 to 728)	81 (61 to 107)	71 (57 to 87)	109 (97 to 122)	533 (510 to 557)	868 (651 to 1,138)	950 (712 to 1,243)	1,663 (1,386 to 2,004)	642 (609 to 679)
	% change 1990-2017	**-84.5% (-88.9% to -79.0%)#**	**-88.8% (-92.0% to -84.3%)#**	**-81.9% (-87.0% to -75.8%)#**	**-89.4% (-93.1% to -83.6%)#**	**-69.5% (-75.7% to -62.1%)#**	**-27.8% (-36.5% to -18.3%)#**	**230.9% (209.2% to 255.4%)#**	**-83.7% (-88.1% to -78.3%)#**	**-84.4% (-88.7% to -79.1%)#**	**-74.9% (-79.8% to -68.9%)#**	**105.8% (92.1% to 121.7%)#**
	% change 2000-2017	**-72.6% (-80.8% to -61.7%)#**	**-70.6% (-79.6% to -58.3%)#**	**-71.0% (-78.3% to -61.1%)#**	**-72.0% (-80.8% to -59.8%)#**	**-50.9% (-60.5% to -37.8%)#**	**-26.2% (-35.0% to -16.2%)#**	**113.2% (97.1% to 129.3%)#**	**-71.4% (-78.8% to -61.9%)#**	**-71.5% (-78.9% to -61.8%)#**	**-57.0% (-65.1% to -46.6%)#**	**61.5% (49.4% to 74.1%)#**
Rio Grande do Sul	Death #, 1990	2,087 (1,726 to 2,485)	635 (544 to 725)	1,936 (1,698 to 2,195)	729 (583 to 896)	410 (386 to 435)	426 (413 to 440)	924 (914 to 934)	4,658 (4,156 to 5,190)	5,387 (4,920 to 5,886)	7,147 (6,632 to 7,686)	1,350 (1,327 to 1,372)
	Death #, 2000	1,569 (1,411 to 1,742)	295 (249 to 352)	1,259 (1,133 to 1,402)	458 (374 to 571)	306 (289 to 323)	329 (318 to 339)	863 (853 to 872)	3,123 (2,897 to 3,358)	3,580 (3,332 to 3,845)	5,078 (4,797 to 5,374)	1,192 (1,172 to 1,210)
	Death #, 2017	755 (627 to 887)	170 (137 to 208)	574 (491 to 673)	207 (160 to 258)	133 (121 to 146)	225 (213 to 236)	919 (893 to 946)	1,498 (1,282 to 1,726)	1,705 (1,452 to 1,973)	2,982 (2,698 to 3,284)	1,144 (1,108 to 1,179)
	% change 1990-2017	**-63.8% (-72.8% to -51.8%)#**	**-73.3% (-80.0% to -64.6%)#**	**-70.4% (-76.5% to -62.9%)#**	**-71.6% (-78.0% to -64.0%)#**	**-67.5% (-71.1% to -63.7%)#**	**-47.2% (-50.4% to -44.0%)#**	-0.5% (-3.5% to 2.6%)	**-67.8% (-74.0% to -61.5%)#**	**-68.3% (-74.1% to -62.4%)#**	**-58.3% (-63.5% to -52.9%)#**	**-15.3% (-18.1% to -12.3%)#**
	% change 2000-2017	**-51.9% (-61.1% to -41.9%)#**	**-42.4% (-56.8% to -24.9%)#**	**-54.4% (-62.3% to -45.1%)#**	**-54.8% (-68.0% to -37.8%)#**	**-56.5% (-60.7% to -51.3%)#**	**-31.6% (-35.3% to -27.3%)#**	**6.5% (3.1% to 9.8%)#**	**-52.0% (-59.3% to -43.8%)#**	**-52.4% (-59.7% to -44.0%)#**	**-41.3% (-47.3% to -34.3%)#**	**-4.0% (-7.3% to -0.8%)#**
Rondonia	Death #, 1990	582 (521 to 653)	126 (107 to 147)	684 (604 to 764)	229 (182 to 285)	108 (102 to 115)	97 (92 to 101)	201 (187 to 216)	1391 (1261 to 1533)	1620 (1472 to 1781)	2026 (1865 to 2201)	298 (280 to 316)
	Death #, 2000	493 (441 to 545)	54 (43 to 66)	289 (262 to 320)	107 (88 to 128)	78 (73 to 83)	84 (81 to 89)	214 (198 to 231)	835 (771 to 903)	941 (874 to 1011)	1318 (1238 to 1402)	299 (280 to 318)
	Death #, 2017	179 (149 to 211)	32 (27 to 38)	146 (123 to 170)	45 (38 to 55)	39 (35 to 44)	62 (58 to 67)	185 (164 to 208)	357 (301 to 418)	402 (338 to 473)	688 (613 to 774)	247 (223 to 275)
	% change 1990-2017	**-69.3% (-75.0% to -62.8%)#**	**-74.3% (-79.2% to -68.5%)#**	**-78.7% (-82.6% to -73.9%)#**	**-80.1% (-84.9% to -73.5%)#**	**-64.0% (-68.0% to -59.4%)#**	**-35.6% (-41.4% to -29.4%)#**	-8.2% (-20.3% to 5.1%)	**-74.3% (-78.8% to -69.3%)#**	**-75.2% (-79.3% to -70.6%)#**	**-66.0% (-70.4% to -61.4%)#**	**-17.1% (-26.1% to -6.4%)#**
	% change 2000-2017	**-63.7% (-69.8% to -56.4%)#**	**-39.6% (-53.5% to -21.0%)#**	**-49.4% (-58.5% to -40.1%)#**	**-57.4% (-67.0% to -45.2%)#**	**-50.0% (-55.5% to -43.1%)#**	**-26.4% (-32.8% to -19.7%)#**	**-13.7% (-25.2% to -1.6%)#**	**-57.2% (-64.3% to -49.6%)#**	**-57.2% (-64.1% to -49.4%)#**	**-47.8% (-53.9% to -41.0%)#**	**-17.3% (-27.2% to -7.2%)#**
Roraima	Death #, 1990	105 (93 to 121)	24 (19 to 31)	139 (122 to 159)	63 (50 to 77)	18 (17 to 20)	16 (15 to 17)	29 (26 to 31)	268 (237 to 305)	331 (292 to 373)	394 (353 to 439)	45 (42 to 48)
	Death #, 2000	111 (100 to 122)	19 (15 to 23)	126 (115 to 138)	49 (38 to 61)	24 (22 to 25)	26 (25 to 27)	55 (50 to 60)	256 (233 to 278)	305 (282 to 330)	410 (384 to 437)	81 (75 to 87)
	Death #, 2017	82 (70 to 97)	15 (13 to 19)	93 (79 to 109)	35 (27 to 46)	23 (21 to 26)	31 (29 to 34)	69 (62 to 78)	191 (163 to 224)	226 (192 to 267)	350 (312 to 397)	100 (91 to 111)
	% change 1990-2017	**-21.9% (-36.1% to -4.8%)#**	**-35.8% (-53.6% to -10.1%)#**	**-33.0% (-44.8% to -19.1%)#**	**-43.8% (-61.0% to -18.0%)#**	**26.1% (9.7% to 45.5%)#**	**94.2% (75.8% to 114.1%)#**	**140.3% (105.1% to 180.4%)#**	**-28.9% (-41.6% to -14.0%)#**	**-31.7% (-43.8% to -16.1%)#**	-11.3% (-24.2% to 4.8%)	**123.7% (95.9% to 154.2%)#**
	% change 2000-2017	**-25.8% (-38.1% to -12.0%)#**	-16.4% (-38.6% to 15.6%)	**-26.4% (-38.5% to -12.9%)#**	-28.4% (-49.8% to 3.8%)	-2.5% (-13.7% to 11.2%)	**21.6% (11.5% to 33.5%)#**	**25.7% (8.9% to 47.0%)#**	**-25.4% (-37.7% to -11.2%)#**	**-25.9% (-37.5% to -12.7%)#**	**-14.6% (-24.9% to -3.3%)#**	**24.4% (10.6% to 42.1%)#**
Santa Catarina	Death #, 1990	1457 (1280 to 1631)	389 (333 to 446)	1551 (1345 to 1773)	526 (445 to 614)	285 (260 to 311)	246 (235 to 258)	456 (448 to 463)	3397 (2970 to 3844)	3923 (3472 to 4390)	4910 (4421 to 5420)	702 (684 to 721)
	Death #, 2000	1205 (1040 to 1396)	197 (164 to 236)	893 (780 to 1016)	314 (260 to 373)	190 (168 to 213)	198 (185 to 211)	439 (429 to 448)	2295 (2002 to 2624)	2609 (2276 to 2989)	3437 (3061 to 3854)	637 (615 to 660)
	Death #, 2017	522 (411 to 660)	99 (79 to 125)	438 (351 to 545)	150 (122 to 184)	110 (96 to 126)	137 (127 to 147)	459 (443 to 476)	1059 (842 to 1329)	1209 (966 to 1509)	1915 (1639 to 2243)	595 (572 to 621)
	% change 1990-2017	**-64.2% (-72.4% to -53.9%)#**	**-74.4% (-80.7% to -66.5%)#**	**-71.8% (-78.3% to -64.0%)#**	**-71.4% (-78.2% to -63.0%)#**	**-61.4% (-67.0% to -54.9%)#**	**-44.6% (-49.1% to -39.6%)#**	0.6% (-3.2% to 4.8%)	**-68.8% (-76.0% to -60.1%)#**	**-69.2% (-76.0% to -60.8%)#**	**-61.0% (-67.7% to -53.1%)#**	**-15.3% (-19.3% to -10.9%)#**
	% change 2000-2017	**-56.7% (-66.6% to -42.8%)#**	**-49.6% (-62.5% to -31.6%)#**	**-51.0% (-61.1% to -36.8%)#**	**-52.2% (-63.7% to -36.5%)#**	**-42.1% (-50.6% to -31.4%)#**	**-31.1% (-36.9% to -24.0%)#**	**4.6% (0.7% to 9.0%)#**	**-53.9% (-64.0% to -40.2%)#**	**-53.6% (-63.8% to -39.7%)#**	**-44.3% (-53.4% to -32.0%)#**	**-6.5% (-11.0% to -1.4%)#**
Sao Paulo	Death #, 1990	10,405 (9,342 to 11,524)	2,103 (1,593 to 2,746)	13,236 (11,547 to 15,026)	3,167 (2,477 to 4,028)	1,596 (1,507 to 1,694)	1,656 (1,607 to 1,706)	4,435 (4,394 to 4,476)	25,745 (23,463 to 28,152)	28,912 (26,423 to 31,512)	36,599 (33,978 to 39,352)	6,091 (6,003 to 6,183)
	Death #, 2000	7,612 (6,903 to 8,308)	1,392 (1,107 to 1,734)	5,018 (4,496 to 5,525)	1,926 (1,625 to 2,253)	1,076 (1,017 to 1,133)	1,379 (1,336 to 1,419)	5,300 (5,248 to 5,350)	14,022 (13,007 to 15,058)	15,947 (14,814 to 17,085)	23,703 (22,436 to 24,996)	6,679 (6,586 to 6,770)
	Death #, 2017	3,359 (2,891 to 3,889)	724 (548 to 923)	2,599 (2,144 to 3,134)	872 (708 to 1,063)	534 (486 to 586)	728 (692 to 765)	2,586 (2,514 to 2,653)	6,683 (5,774 to 7,784)	7,554 (6,524 to 8,689)	11,402 (10,273 to 12,636)	3,313 (3,215 to 3,411)
	% change 1990-2017	**-67.7% (-72.7% to -62.0%)#**	**-65.6% (-79.0% to -45.4%)#**	**-80.4% (-84.8% to -74.0%)#**	**-72.5% (-79.8% to -62.2%)#**	**-66.5% (-69.3% to -63.5%)#**	**-56.1% (-58.0% to -54.0%)#**	**-41.7% (-43.2% to -40.2%)#**	**-74.0% (-77.8% to -69.9%)#**	**-73.9% (-77.5% to -70.0%)#**	**-68.8% (-72.1% to -65.4%)#**	**-45.6% (-47.1% to -44.1%)#**
	% change 2000-2017	**-55.9% (-62.8% to -47.7%)#**	**-48.0% (-63.9% to -27.3%)#**	**-48.2% (-59.1% to -33.9%)#**	**-54.8% (-65.4% to -40.4%)#**	**-50.3% (-55.1% to -44.6%)#**	**-47.2% (-50.1% to -44.1%)#**	**-51.2% (-52.6% to -49.9%)#**	**-52.3% (-59.6% to -43.7%)#**	**-52.6% (-59.4% to -44.4%)#**	**-51.9% (-57.1% to -45.9%)#**	**-50.4% (-52.0% to -48.8%)#**
Sergipe	Death #, 1990	919 (745 to 1,087)	386 (305 to 479)	1,399 (1,217 to 1,592)	862 (701 to 1,057)	219 (204 to 233)	115 (111 to 120)	148 (146 to 151)	2,704 (2,366 to 3,032)	3,566 (3,241 to 3,931)	4,047 (3,702 to 4,430)	263 (257 to 270)
	Death #, 2000	829 (699 to 984)	175 (146 to 211)	854 (737 to 986)	363 (276 to 466)	110 (99 to 122)	93 (88 to 98)	198 (194 to 203)	1,857 (1,625 to 2,122)	2,220 (1,920 to 2,554)	2,621 (2,303 to 2,971)	291 (282 to 301)
	Death #, 2017	317 (236 to 419)	64 (47 to 85)	280 (210 to 365)	117 (87 to 156)	54 (44 to 66)	87 (78 to 98)	368 (352 to 386)	661 (495 to 867)	778 (583 to 1,022)	1,287 (1,058 to 1,566)	455 (430 to 481)
	% change 1990-2017	**-65.4% (-76.0% to -51.9%)#**	**-83.5% (-88.6% to -76.7%)#**	**-80.0% (-85.5% to -73.2%)#**	**-86.4% (-90.8% to -80.4%)#**	**-75.4% (-80.5% to -69.2%)#**	**-24.2% (-32.9% to -14.3%)#**	**148.1% (136.1% to 160.9%)#**	**-75.6% (-82.2% to -67.2%)#**	**-78.2% (-84.1% to -70.7%)#**	**-68.2% (-74.7% to -60.6%)#**	**72.9% (62.3% to 83.8%)#**
	% change 2000-2017	**-61.7% (-72.8% to -47.1%)#**	**-63.6% (-74.4% to -49.4%)#**	**-67.2% (-75.6% to -56.1%)#**	**-67.6% (-78.2% to -52.3%)#**	**-51.1% (-61.0% to -38.6%)#**	-6.2% (-17.1% to 6.0%)	**85.8% (77.2% to 95.1%)#**	**-64.4% (-73.7% to -52.8%)#**	**-65.0% (-74.1% to -53.2%)#**	**-50.9% (-60.7% to -38.6%)#**	**56.4% (47.0% to 66.3%)#**
Tocantins	Death #, 1990	607 (535 to 684)	187 (162 to 214)	788 (694 to 888)	320 (266 to 376)	104 (95 to 113)	76 (72 to 81)	114 (107 to 122)	1583 (1398 to 1783)	1902 (1690 to 2125)	2197 (1972 to 2432)	190 (180 to 202)
	Death #, 2000	554 (469 to 646)	100 (83 to 119)	513 (442 to 597)	164 (137 to 193)	94 (86 to 104)	71 (67 to 75)	139 (134 to 143)	1167 (997 to 1358)	1331 (1144 to 1546)	1634 (1434 to 1866)	209 (201 to 217)
	Death #, 2017	202 (151 to 262)	37 (28 to 49)	159 (121 to 207)	55 (41 to 71)	55 (46 to 64)	57 (52 to 63)	186 (173 to 200)	398 (300 to 520)	453 (341 to 591)	752 (623 to 907)	244 (227 to 261)
	% change 1990-2017	**-66.8% (-75.3% to -56.0%)#**	**-80.0% (-85.3% to -72.7%)#**	**-79.8% (-85.1% to -72.9%)#**	**-82.8% (-87.7% to -76.0%)#**	**-47.4% (-56.7% to -36.8%)#**	**-24.8% (-32.6% to -16.1%)#**	**63.3% (47.7% to 79.2%)#**	**-74.8% (-81.3% to -66.7%)#**	**-76.2% (-82.3% to -68.6%)#**	**-65.8% (-72.2% to -57.9%)#**	**28.0% (16.3% to 40.4%)#**
	% change 2000-2017	**-63.6% (-73.1% to -51.4%)#**	**-62.4% (-73.1% to -48.5%)#**	**-69.0% (-77.4% to -59.3%)#**	**-66.5% (-75.0% to -54.3%)#**	**-42.2% (-52.1% to -30.7%)#**	**-18.7% (-26.8% to -10.3%)#**	**34.6% (24.3% to 46.0%)#**	**-65.9% (-74.8% to -55.2%)#**	**-66.0% (-74.8% to -55.1%)#**	**-54.0% (-63.2% to -43.3%)#**	**16.6% (7.7% to 26.3%)#**
	Death #, 1990	1,621 (1,485 to 1,766)	671 (574 to 777)	1,282 (1,144 to 1,420)	826 (674 to 1,011)	284 (265 to 304)	181 (173 to 190)	248 (235 to 262)	3,573 (3,296 to 3,877)	4,399 (4,005 to 4,809)	5,113 (4,692 to 5,552)	429 (409 to 449)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Paraguay	Death #, 2000	1,544 (1,378 to 1,728)	383 (336 to 438)	1,139 (1,019 to 1,270)	431 (311 to 584)	252 (231 to 275)	264 (250 to 278)	492 (466 to 521)	3,066 (2,745 to 3,422)	3,498 (3,101 to 3,975)	4,506 (4,066 to 5,026)	756 (719 to 796)
	Death #, 2017	524 (380 to 708)	140 (102 to 190)	936 (685 to 1,262)	158 (101 to 241)	155 (136 to 177)	196 (177 to 219)	537 (456 to 638)	1,600 (1,168 to 2,158)	1,759 (1,278 to 2,379)	2,647 (2,105 to 3,334)	733 (636 to 850)
	% change 1990-2017	**-67.7% (-76.9% to -54.8%)#**	**-79.1% (-85.6% to -70.8%)#**	-27.0% (-46.7% to 2.2%)	**-80.8% (-88.3% to -69.7%)#**	**-45.5% (-52.9% to -36.4%)#**	8.2% (-3.0% to 21.5%)	**116.2% (80.9% to 157.8%)#**	**-55.2% (-67.7% to -38.0%)#**	**-60.0% (-71.2% to -44.7%)#**	**-48.2% (-59.2% to -32.9%)#**	**70.6% (46.8% to 99.7%)#**
	% change 2000-2017	**-66.0% (-76.2% to -52.6%)#**	**-63.4% (-74.1% to -49.3%)#**	-17.9% (-42.0% to 14.5%)	**-63.3% (-79.5% to -34.8%)#**	**-38.4% (-47.8% to -27.5%)#**	**-25.6% (-33.9% to -16.1%)#**	9.0% (-8.2% to 30.2%)	**-47.8% (-63.1% to -27.6%)#**	**-49.7% (-64.7% to -30.2%)#**	**-41.3% (-54.4% to -24.9%)#**	-3.1% (-16.7% to 12.8%)
North Africa and Middle East	Death #, 1990	243,005 (230,555 to 255,854)	115,441 (109,424 to 121,866)	326,561 (310,465 to 342,179)	214,747 (201,740 to 227,619)	56,870 (55,853 to 57,981)	37,438 (36,955 to 37,932)	44,695 (43,863 to 45,511)	685,007 (663,517 to 709,119)	899,754 (872,566 to 927,539)	1,038,757 (1,010,129 to 1,067,815)	82,132 (80,918 to 83,340)
	% of global total, 1990	8.0% (7.6% to 8.4%)	9.1% (8.6% to 9.7%)	8.5% (8.0% to 8.9%)	5.9% (5.6% to 6.3%)	6.7% (6.5% to 6.8%)	8.0% (7.9% to 8.1%)	6.6% (6.5% to 6.8%)	8.4% (8.1% to 8.7%)	7.6% (7.4% to 7.9%)	7.5% (7.3% to 7.8%)	7.2% (7.1% to 7.3%)
	Death #, 2000	213,876 (201,887 to 226,246)	88,704 (84,663 to 92,942)	241,194 (228,012 to 254,914)	150,287 (139,588 to 162,067)	42,564 (41,601 to 43,676)	30,753 (30,222 to 31,345)	43,835 (42,746 to 44,974)	543,775 (523,032 to 563,844)	694,062 (670,186 to 717,762)	811,214 (786,394 to 836,519)	74,589 (72,985 to 76,269)
	% of global total, 2000	7.8% (7.3% to 8.2%)	9.7% (9.1% to 10.3%)	7.8% (7.4% to 8.2%)	5.1% (4.8% to 5.6%)	6.0% (5.9% to 6.2%)	6.4% (6.2% to 6.5%)	6.5% (6.3% to 6.6%)	8.1% (7.7% to 8.4%)	7.2% (6.9% to 7.4%)	7.0% (6.8% to 7.3%)	6.4% (6.3% to 6.6%)
	Death #, 2017	123,409 (114,566 to 133,533)	47,206 (43,663 to 51,292)	122,937 (109,540 to 137,873)	71,710 (65,463 to 78,871)	34,106 (32,847 to 35,319)	28,696 (27,947 to 29,435)	50,315 (48,813 to 51,864)	293,552 (270,912 to 319,681)	365,262 (337,732 to 395,995)	478,379 (449,381 to 510,887)	79,011 (76,859 to 81,108)
	% of global total, 2017	6.6% (6.1% to 7.2%)	9.3% (8.6% to 10.1%)	7.6% (6.7% to 8.5%)	5.1% (4.7% to 5.7%)	8.3% (8.0% to 8.6%)	9.0% (8.7% to 9.2%)	9.7% (9.4% to 10.1%)	7.4% (6.8% to 8.0%)	6.8% (6.2% to 7.4%)	7.2% (6.7% to 7.7%)	9.4% (9.2% to 9.7%)
	% change 1990-2017	**-49.2% (-53.2% to -44.8%)#**	**-59.1% (-62.9% to -55.0%)#**	**-62.4% (-66.9% to -56.9%)#**	**-66.6% (-70.3% to -62.5%)#**	**-40.0% (-42.2% to -37.7%)#**	**-23.4% (-25.4% to -21.1%)#**	**12.6% (8.9% to 16.6%)#**	**-57.1% (-60.6% to -53.3%)#**	**-59.4% (-62.7% to -55.7%)#**	**-54.0% (-57.0% to -50.6%)#**	**-3.8% (-6.7% to -0.9%)#**
	% change 2000-2017	**-42.3% (-46.9% to -37.4%)#**	**-46.8% (-51.5% to -41.5%)#**	**-49.0% (-55.4% to -41.6%)#**	**-52.3% (-57.8% to -46.0%)#**	**-19.9% (-23.2% to -16.7%)#**	**-6.7% (-9.2% to -4.1%)#**	**14.8% (10.9% to 18.6%)#**	**-46.0% (-50.5% to -41.2%)#**	**-47.4% (-51.6% to -42.7%)#**	**-41.0% (-44.9% to -37.0%)#**	**5.9% (2.8% to 9.0%)#**
Afghanistan	Death #, 1990	18,832 (13,503 to 25,115)	11,001 (9,170 to 13,104)	35,164 (28,766 to 41,628)	23,783 (19,206 to 29,250)	2,806 (2,585 to 3,054)	1,971 (1,810 to 2,156)	3,251 (2,947 to 3,674)	64,998 (57,373 to 72,470)	88,780 (79,693 to 98,942)	96,809 (87,277 to 107,399)	5,223 (4,766 to 5,818)
	Death #, 2000	29,639 (23,035 to 36,658)	15,990 (13,933 to 18,105)	53,987 (45,016 to 64,312)	36,771 (31,283 to 42,707)	5,601 (5,114 to 6,118)	2,542 (2,293 to 2,833)	3,697 (3,191 to 4,329)	99,616 (88,518 to 112,223)	136,387 (124,286 to 150,049)	148,227 (135,778 to 162,117)	6,239 (5,479 to 7,147)
	Death #, 2017	26,539 (21,441 to 32,658)	10,443 (8,484 to 12,680)	34,879 (28,297 to 42,321)	15,232 (12,334 to 18,604)	4,497 (3,920 to 5,046)	3,268 (2,832 to 3,696)	5,964 (4,815 to 7,060)	71,861 (58,370 to 87,604)	87,093 (70,885 to 106,330)	100,823 (84,181 to 119,970)	9,232 (7,676 to 10,753)
	% change 1990-2017	**40.9% (12.5% to 79.2%)#**	-5.1% (-28.0% to 25.3%)	-0.8% (-23.0% to 34.2%)	**-36.0% (-54.4% to -9.0%)#**	**60.2% (38.5% to 83.9%)#**	**65.8% (43.9% to 89.6%)#**	**83.5% (46.9% to 119.6%)#**	10.6% (-7.8% to 31.3%)	-1.9% (-20.5% to 20.7%)	4.2% (-13.7% to 25.6%)	**76.8% (46.6% to 108.2%)#**
	% change 2000-2017	-10.5% (-26.1% to 10.4%)	**-34.7% (-50.4% to -15.4%)#**	**-35.4% (-52.2% to -11.1%)#**	**-58.6% (-68.4% to -47.3%)#**	**-19.7% (-29.6% to -7.9%)#**	**28.6% (12.8% to 46.7%)#**	**61.3% (33.3% to 90.9%)#**	**-27.9% (-42.6% to -9.4%)#**	**-36.1% (-49.2% to -21.0%)#**	**-32.0% (-44.4% to -17.8%)#**	**48.0% (25.7% to 72.4%)#**
Algeria	Death #, 1990	11,744 (8,766 to 15,054)	5,224 (4,147 to 6,300)	16,474 (13,999 to 19,069)	5,438 (4,416 to 6,661)	3,164 (2,991 to 3,348)	2,049 (1,959 to 2,138)	2,447 (2,296 to 2,605)	33,442 (29,560 to 37,333)	38,880 (34,466 to 43,210)	46,541 (42,009 to 51,180)	4,496 (4,268 to 4,725)
	Death #, 2000	10,137 (8,054 to 12,735)	3,716 (2,956 to 4,590)	8,786 (7,670 to 10,138)	3,858 (3,018 to 4,876)	2,887 (2,715 to 3,071)	2,405 (2,306 to 2,505)	3,429 (3,247 to 3,623)	22,640 (19,725 to 25,891)	26,497 (23,219 to 29,989)	35,219 (31,836 to 38,910)	5,835 (5,577 to 6,104)
	Death #, 2017	7,364 (6,001 to 8,873)	1,674 (1,366 to 2,016)	4,082 (3,347 to 4,885)	2,025 (1,353 to 3,001)	1,355 (1,249 to 1,468)	1,034 (985 to 1,086)	1,567 (1,493 to 1,645)	13,121 (10,723 to 15,786)	15,146 (12,258 to 18,566)	19,102 (16,117 to 22,595)	2,601 (2,488 to 2,723)
	% change 1990-2017	**-37.3% (-47.9% to -23.6%)#**	**-68.0% (-74.2% to -60.2%)#**	**-75.2% (-81.7% to -66.3%)#**	**-62.8% (-76.2% to -43.0%)#**	**-57.2% (-61.2% to -52.7%)#**	**-49.5% (-52.7% to -46.3%)#**	**-36.0% (-41.1% to -30.6%)#**	**-60.8% (-67.4% to -53.0%)#**	**-61.0% (-68.4% to -52.1%)#**	**-59.0% (-65.2% to -51.2%)#**	**-42.1% (-45.9% to -38.0%)#**
	% change 2000-2017	**-27.4% (-41.2% to -9.8%)#**	**-55.0% (-64.5% to -42.5%)#**	**-53.5% (-63.0% to -42.3%)#**	**-47.5% (-66.3% to -17.4%)#**	**-53.1% (-57.7% to -48.1%)#**	**-57.0% (-59.7% to -54.1%)#**	**-54.3% (-57.6% to -50.8%)#**	**-42.0% (-51.1% to -31.3%)#**	**-42.8% (-52.5% to -31.0%)#**	**-45.8% (-53.1% to -36.7%)#**	**-55.4% (-58.2% to -52.4%)#**
Bahrain	Death #, 1990	124 (105 to 142)	50 (42 to 60)	104 (80 to 129)	35 (29 to 41)	22 (21 to 23)	19 (19 to 20)	24 (23 to 24)	278 (260 to 296)	313 (295 to 332)	378 (358 to 398)	43 (41 to 44)
	Death #, 2000	44 (39 to 50)	24 (22 to 27)	58 (51 to 65)	32 (27 to 39)	28 (26 to 29)	23 (23 to 24)	40 (39 to 41)	126 (115 to 137)	159 (147 to 171)	250 (236 to 264)	63 (62 to 65)
	Death #, 2017	36 (30 to 43)	19 (16 to 23)	52 (43 to 61)	28 (23 to 33)	20 (18 to 22)	15 (14 to 16)	25 (23 to 27)	107 (89 to 126)	134 (112 to 158)	194 (169 to 221)	40 (37 to 43)
	% change 1990-2017	**-71.0% (-76.1% to -64.6%)#**	**-62.2% (-69.6% to -53.1%)#**	**-50.0% (-63.1% to -30.5%)#**	-21.1% (-38.4% to 0.1%)	-7.5% (-17.3% to 2.9%)	**-22.3% (-27.7% to -16.3%)#**	5.5% (-3.1% to 15.2%)	**-61.6% (-68.0% to -54.1%)#**	**-57.1% (-64.0% to -49.1%)#**	**-48.5% (-55.1% to -41.0%)#**	-7.0% (-13.7% to 0.2%)
	% change 2000-2017	**-18.8% (-33.8% to -1.5%)#**	**-22.0% (-35.8% to -5.5%)#**	-10.2% (-27.4% to 11.4%)	-14.7% (-33.3% to 7.4%)	**-26.6% (-34.9% to -17.8%)#**	**-35.9% (-40.5% to -31.2%)#**	**-37.9% (-43.0% to -32.2%)#**	-15.5% (-30.9% to 2.6%)	-15.3% (-30.5% to 1.5%)	**-22.1% (-33.0% to -10.5%)#**	**-37.1% (-41.7% to -32.2%)#**
Egypt	Death #, 1990	37339 (31733 to 43080)	24242 (19935 to 28978)	59772 (50651 to 70170)	41906 (35227 to 49652)	8916 (8327 to 9577)	6073 (5858 to 6307)	6525 (6449 to 6615)	121353 (109880 to 133477)	163258 (149706 to 177997)	184772 (170449 to 200610)	12598 (12308 to 12918)
	Death #, 2000	29273 (24874 to 34380)	16347 (14355 to 18609)	33663 (28617 to 39419)	15262 (12256 to 18785)	5483 (5053 to 6012)	4805 (4600 to 5038)	6349 (6240 to 6512)	79282 (69947 to 89560)	94544 (84218 to 105738)	111182 (100197 to 123185)	11154 (10847 to 11548)
	Death #, 2017	7938 (6061 to 10118)	8591 (6592 to 10962)	18018 (13833 to 23174)	9341 (6078 to 13668)	4920 (4213 to 5573)	4188 (3792 to 4577)	7237 (6562 to 7934)	34547 (27017 to 43277)	43888 (35038 to 54697)	60234 (50413 to 71896)	11426 (10487 to 12444)
	% change 1990-2017	**-78.7% (-84.5% to -71.4%)#**	**-64.6% (-74.5% to -51.2%)#**	**-69.9% (-77.5% to -59.6%)#**	**-77.7% (-85.7% to -65.3%)#**	**-44.8% (-53.0% to -35.5%)#**	**-31.0% (-38.2% to -24.1%)#**	**10.9% (0.5% to 21.7%)#**	**-71.5% (-78.2% to -63.5%)#**	**-73.1% (-79.1% to -66.0%)#**	**-67.4% (-73.5% to -60.7%)#**	**-9.3% (-16.9% to -1.2%)#**
	% change 2000-2017	**-72.9% (-79.9% to -63.2%)#**	**-47.4% (-61.0% to -30.3%)#**	**-46.5% (-60.5% to -28.8%)#**	**-38.8% (-61.9% to -6.1%)#**	-10.3% (-24.8% to 5.5%)	**-12.8% (-22.2% to -3.1%)#**	**14.0% (2.9% to 25.7%)#**	**-56.4% (-67.1% to -43.6%)#**	**-53.6% (-64.0% to -40.6%)#**	**-45.8% (-56.3% to -33.6%)#**	2.4% (-6.9% to 12.3%)
Iran	Death #, 1990	34,743 (33,016 to 36,473)	13,161 (12,479 to 13,877)	34,258 (32,903 to 35,673)	22,693 (21,532 to 23,949)	13,942 (13,750 to 14,151)	10,159 (10,047 to 10,278)	11,251 (11,026 to 11,490)	82,162 (78,826 to 85,715)	104,855 (101,001 to 108,903)	140,208 (136,095 to 144,621)	21,410 (21,078 to 21,759)
	Death #, 2000	26,028 (24,948 to 27,212)	8,567 (8,106 to 9,034)	18,479 (17,684 to 19,365)	9,836 (9,192 to 10,525)	6,417 (6,273 to 6,560)	5,539 (5,462 to 5,612)	8,686 (8,558 to 8,801)	53,074 (51,001 to 55,265)	62,910 (60,479 to 65,497)	83,551 (80,961 to 86,370)	14,224 (14,045 to 14,395)
	Death #, 2017	8,985 (8,734 to 9,264)	3,015 (2,926 to 3,112)	5,961 (5,796 to 6,145)	3,172 (3,029 to 3,316)	2,564 (2,529 to 2,600)	2,342 (2,325 to 2,361)	4,548 (4,519 to 4,575)	17,961 (17,455 to 18,520)	21,133 (20,539 to 21,773)	30,586 (29,941 to 31,266)	6,890 (6,850 to 6,932)
	% change 1990-2017	**-74.1% (-75.6% to -72.7%)#**	**-77.1% (-78.3% to -75.7%)#**	**-82.6% (-83.4% to -81.7%)#**	**-86.0% (-86.9% to -85.0%)#**	**-81.6% (-82.0% to -81.2%)#**	**-77.0% (-77.3% to -76.7%)#**	**-59.6% (-60.5% to -58.7%)#**	**-78.1% (-79.2% to -77.1%)#**	**-79.8% (-80.8% to -78.9%)#**	**-78.2% (-78.9% to -77.4%)#**	**-67.8% (-68.4% to -67.3%)#**
	% change 2000-2017	**-65.5% (-67.1% to -63.9%)#**	**-64.8% (-66.8% to -62.7%)#**	**-67.7% (-69.3% to -66.1%)#**	**-67.8% (-70.3% to -65.2%)#**	**-60.0% (-61.1% to -58.9%)#**	**-57.7% (-58.4% to -57.0%)#**	**-47.6% (-48.4% to -46.9%)#**	**-66.2% (-67.7% to -64.6%)#**	**-66.4% (-67.9% to -64.9%)#**	**-63.4% (-64.7% to -62.1%)#**	**-51.6% (-52.2% to -50.9%)#**
Iraq	Death #, 1990	10,089 (8,730 to 11,615)	5,355 (4,672 to 6,121)	11,381 (10,193 to 12,748)	6,064 (5,293 to 7,001)	3,069 (2,915 to 3,245)	2,118 (1,995 to 2,251)	2,434 (2,217 to 2,692)	26,825 (24,692 to 28,954)	32,889 (30,305 to 35,900)	40,510 (37,643 to 43,711)	4,552 (4,231 to 4,931)
	Death #, 2000	14,084 (12,451 to 15,842)	5,808 (4,847 to 6,908)	12,319 (10,682 to 14,108)	5,518 (4,432 to 6,743)	3,465 (3,273 to 3,696)	2,631 (2,483 to 2,786)	3,415 (3,073 to 3,785)	32,212 (28,998 to 35,829)	37,730 (33,846 to 42,105)	47,241 (43,102 to 51,922)	6,046 (5,575 to 6,556)
	Death #, 2017	11,231 (9,020 to 14,069)	3,854 (3,118 to 4,792)	8,254 (6,746 to 10,164)	6,869 (6,128 to 7,760)	4,965 (4,600 to 5,378)	3,738 (3,597 to 3,891)	5,983 (5,852 to 6,124)	23,339 (18,888 to 29,013)	30,208 (24,990 to 36,811)	44,894 (39,164 to 51,866)	9,721 (9,472 to 9,998)
	% change 1990-2017	11.3% (-14.1% to 44.4%)	**-28.0% (-44.0% to -7.2%)#**	**-27.5% (-42.2% to -7.8%)#**	13.3% (-4.8% to 35.4%)	**61.8% (46.9% to 76.8%)#**	**76.5% (63.5% to 89.1%)#**	**145.8% (121.1% to 171.1%)#**	-13.0% (-30.2% to 9.3%)	-8.2% (-24.7% to 13.5%)	10.8% (-4.7% to 30.6%)	**113.5% (95.8% to 131.4%)#**
	% change 2000-2017	-20.3% (-37.2% to 1.7%)	**-33.6% (-49.1% to -12.9%)#**	**-33.0% (-47.8% to -14.4%)#**	24.5% (-1.2% to 58.8%)	**43.3% (29.2% to 57.7%)#**	**42.1% (32.4% to 52.5%)#**	**75.2% (56.4% to 96.0%)#**	**-27.6% (-42.3% to -8.9%)#**	**-19.9% (-35.5% to -0.9%)#**	-5.0% (-19.7% to 12.1%)	**60.8% (46.8% to 75.8%)#**
	Death #, 1990	2,150 (1,946 to 2,388)	878 (788 to 976)	1,691 (1,484 to 1,910)	598 (477 to 732)	492 (463 to 519)	345 (325 to 365)	365 (332 to 397)	4,719 (4,323 to 5,134)	5,318 (4,920 to 5,769)	6,520 (6,076 to 7,020)	710 (657 to 759)
	Death #, 2000	2,321 (2,063 to 2,613)	901 (786 to 1,026)	1,400 (1,250 to 1,573)	678 (538 to 845)	464 (435 to 495)	329 (312 to 349)	350 (324 to 376)	4,622 (4,151 to 5,152)	5,300 (4,771 to 5,853)	6,443 (5,875 to 7,057)	679 (637 to 724)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Jordan	Death #, 2017	1,971 (1,508 to 2,611)	685 (523 to 909)	1,108 (849 to 1,463)	599 (468 to 779)	315 (263 to 370)	261 (223 to 295)	398 (359 to 439)	3,764 (2,883 to 4,978)	4,364 (3,354 to 5,760)	5,339 (4,215 to 6,826)	660 (599 to 723)
	% change 1990-2017	-8.3% (-30.4% to 22.6%)	-22.0% (-41.9% to 6.1%)	**-34.5% (-51.1% to -12.3%)#**	0.1% (-27.5% to 37.0%)	**-35.9% (-46.9% to -24.9%)#**	**-24.4% (-35.7% to -13.5%)#**	9.1% (-4.4% to 25.4%)	-20.2% (-39.2% to 5.2%)	-17.9% (-36.9% to 9.5%)	-18.1% (-35.2% to 5.9%)	-7.2% (-17.7% to 5.1%)
	% change 2000-2017	-15.1% (-35.9% to 13.6%)	-24.0% (-42.8% to 3.7%)	-20.8% (-40.0% to 5.3%)	-11.6% (-35.6% to 21.8%)	**-32.0% (-44.0% to -19.8%)#**	**-20.7% (-31.9% to -9.3%)#**	**13.9% (0.2% to 29.3%)#**	-18.6% (-37.9% to 9.9%)	-17.7% (-36.9% to 10.1%)	-17.1% (-34.5% to 7.1%)	-2.9% (-13.2% to 8.8%)
Kuwait	Death #, 1990	244 (220 to 273)	77 (69 to 85)	190 (171 to 212)	234 (219 to 249)	140 (135 to 145)	120 (118 to 123)	199 (197 to 200)	510 (460 to 570)	744 (682 to 817)	1,202 (1,132 to 1,285)	319 (314 to 323)
	Death #, 2000	193 (169 to 218)	68 (57 to 80)	137 (122 to 153)	93 (75 to 113)	43 (41 to 45)	45 (44 to 46)	81 (80 to 82)	398 (366 to 431)	492 (461 to 523)	660 (626 to 696)	126 (124 to 128)
	Death #, 2017	186 (149 to 229)	88 (71 to 108)	110 (86 to 136)	65 (54 to 79)	53 (47 to 61)	46 (43 to 50)	74 (69 to 79)	384 (316 to 460)	449 (369 to 538)	623 (532 to 724)	120 (113 to 127)
	% change 1990-2017	**-23.7% (-40.3% to -3.9%)#**	15.5% (-9.5% to 44.9%)	**-42.2% (-55.3% to -26.5%)#**	**-72.1% (-77.3% to -65.5%)#**	**-61.8% (-66.5% to -56.6%)#**	**-61.7% (-64.5% to -58.3%)#**	**-62.8% (-65.1% to -60.4%)#**	**-24.7% (-39.1% to -6.9%)#**	**-39.6% (-50.7% to -26.3%)#**	**-48.2% (-55.9% to -38.9%)#**	**-62.4% (-64.6% to -60.0%)#**
	% change 2000-2017	-3.6% (-25.2% to 24.3%)	29.6% (-1.1% to 69.0%)	-20.1% (-38.4% to 2.2%)	**-29.9% (-46.8% to -6.2%)#**	**23.6% (7.6% to 41.5%)#**	3.1% (-5.2% to 12.4%)	**-8.7% (-14.5% to -2.8%)#**	-3.6% (-22.1% to 17.9%)	-8.6% (-25.9% to 11.6%)	-5.7% (-20.3% to 11.2%)	-4.5% (-10.7% to 1.4%)
Lebanon	Death #, 1990	1,471 (1,150 to 1,828)	616 (483 to 764)	1,307 (1,024 to 1,635)	463 (357 to 602)	332 (307 to 356)	292 (279 to 308)	719 (689 to 782)	3,394 (2,813 to 4,037)	3,857 (3,209 to 4,588)	5,200 (4,518 to 5,965)	1,011 (973 to 1,087)
	Death #, 2000	887 (617 to 1,213)	357 (248 to 486)	879 (706 to 1,088)	303 (201 to 449)	219 (179 to 254)	176 (157 to 197)	345 (313 to 380)	2,123 (1,623 to 2,707)	2,426 (1,841 to 3,121)	3,166 (2,510 to 3,915)	521 (478 to 566)
	Death #, 2017	440 (305 to 643)	196 (136 to 285)	395 (277 to 569)	176 (130 to 242)	160 (138 to 182)	161 (144 to 182)	451 (405 to 510)	1,030 (718 to 1,497)	1,207 (848 to 1,741)	1,979 (1,548 to 2,573)	612 (552 to 690)
	% change 1990-2017	**-70.1% (-80.1% to -54.9%)#**	**-68.2% (-78.7% to -52.3%)#**	**-69.8% (-80.0% to -53.0%)#**	**-61.9% (-73.0% to -45.1%)#**	**-51.7% (-58.7% to -44.1%)#**	**-44.8% (-50.7% to -36.9%)#**	**-37.3% (-44.6% to -28.8%)#**	**-69.6% (-79.0% to -55.3%)#**	**-68.7% (-78.2% to -54.2%)#**	**-61.9% (-70.3% to -49.7%)#**	**-39.5% (-46.2% to -31.5%)#**
	% change 2000-2017	**-50.5% (-66.4% to -21.1%)#**	**-45.1% (-62.8% to -12.7%)#**	**-55.1% (-68.7% to -33.4%)#**	**-41.7% (-61.1% to -5.7%)#**	**-26.8% (-38.7% to -9.5%)#**	-8.4% (-20.8% to 6.6%)	**30.8% (13.0% to 52.8%)#**	**-51.5% (-65.9% to -28.8%)#**	**-50.2% (-64.7% to -26.3%)#**	**-37.5% (-51.8% to -15.1%)#**	**17.5% (3.1% to 34.9%)#**
Libya	Death #, 1990	1,672 (1,307 to 2,083)	538 (383 to 714)	1,665 (1,255 to 2,095)	883 (672 to 1,142)	423 (389 to 458)	287 (266 to 309)	409 (360 to 462)	3,875 (3,295 to 4,493)	4,758 (3,980 to 5,602)	5,877 (5,067 to 6,762)	696 (629 to 767)
	Death #, 2000	1,099 (946 to 1,269)	323 (235 to 416)	811 (555 to 1,123)	734 (551 to 964)	339 (302 to 379)	256 (238 to 276)	476 (437 to 518)	2,233 (1,876 to 2,636)	2,967 (2,480 to 3,537)	4,037 (3,479 to 4,671)	731 (679 to 789)
	Death #, 2017	388 (307 to 493)	123 (98 to 156)	331 (265 to 415)	587 (412 to 845)	326 (292 to 370)	307 (284 to 331)	672 (607 to 740)	842 (671 to 1,063)	1,428 (1,142 to 1,817)	2,732 (2,368 to 3,210)	978 (896 to 1,067)
	% change 1990-2017	**-76.8% (-82.7% to -68.6%)#**	**-77.1% (-83.7% to -67.2%)#**	**-80.2% (-85.8% to -71.3%)#**	-33.6% (-57.7% to 2.9%)	**-22.9% (-32.8% to -11.5%)#**	6.8% (-4.2% to 19.5%)	**64.2% (40.3% to 92.7%)#**	**-78.3% (-83.1% to -71.8%)#**	**-70.0% (-76.9% to -59.9%)#**	**-53.5% (-61.8% to -42.5%)#**	**40.5% (22.4% to 61.2%)#**
	% change 2000-2017	**-64.7% (-72.3% to -54.2%)#**	**-61.9% (-72.5% to -45.6%)#**	**-59.2% (-72.9% to -35.7%)#**	-20.0% (-47.2% to 25.6%)	-3.9% (-16.5% to 13.4%)	**19.9% (8.4% to 33.1%)#**	**41.2% (22.6% to 60.6%)#**	**-62.3% (-70.8% to -50.8%)#**	**-51.9% (-62.5% to -36.3%)#**	**-32.3% (-43.6% to -16.7%)#**	**33.7% (18.7% to 49.5%)#**
Morocco	Death #, 1990	16,679 (14,452 to 19,133)	9,621 (8,408 to 10,974)	19,383 (16,842 to 22,195)	9,390 (7,351 to 11,979)	4,154 (3,871 to 4,468)	2,593 (2,463 to 2,737)	2,945 (2,782 to 3,118)	45,684 (42,086 to 49,652)	55,074 (50,373 to 60,384)	64,767 (59,656 to 70,680)	5,538 (5,263 to 5,838)
	Death #, 2000	13,759 (11,350 to 16,476)	5,964 (4,896 to 7,121)	11,678 (9,719 to 13,939)	5,218 (4,250 to 6,335)	2,837 (2,582 to 3,109)	2,098 (1,964 to 2,234)	2,723 (2,556 to 2,897)	31,402 (26,869 to 35,972)	36,620 (31,338 to 42,289)	44,277 (38,494 to 50,421)	4,821 (4,533 to 5,113)
	Death #, 2017	5,814 (4,351 to 7,599)	2,285 (1,720 to 2,972)	3,660 (2,755 to 4,747)	1,841 (1,411 to 2,359)	1,478 (1,256 to 1,713)	1,266 (1,125 to 1,430)	2,088 (1,787 to 2,422)	11,758 (8,835 to 15,346)	13,599 (10,238 to 17,661)	18,432 (14,730 to 22,897)	3,354 (2,939 to 3,812)
	% change 1990-2017	**-65.1% (-74.7% to -53.1%)#**	**-76.2% (-82.8% to -68.1%)#**	**-81.1% (-86.2% to -74.4%)#**	**-80.4% (-86.4% to -72.6%)#**	**-64.4% (-70.4% to -58.2%)#**	**-51.2% (-57.1% to -44.8%)#**	**-29.1% (-40.1% to -16.6%)#**	**-74.3% (-81.1% to -66.2%)#**	**-75.3% (-81.7% to -67.9%)#**	**-71.5% (-77.7% to -64.4%)#**	**-39.4% (-47.4% to -30.3%)#**
	% change 2000-2017	**-57.8% (-68.8% to -43.1%)#**	**-61.7% (-71.8% to -47.8%)#**	**-68.7% (-76.9% to -57.8%)#**	**-64.7% (-74.0% to -53.1%)#**	**-47.9% (-56.3% to -38.1%)#**	**-39.6% (-46.5% to -31.7%)#**	**-23.3% (-34.2% to -10.1%)#**	**-62.5% (-71.9% to -50.6%)#**	**-62.9% (-72.2% to -51.2%)#**	**-58.4% (-66.9% to -47.5%)#**	**-30.4% (-39.2% to -20.0%)#**
Palestine	Death #, 1990	367 (278 to 467)	633 (523 to 753)	1,519 (1,305 to 1,747)	765 (614 to 939)	212 (201 to 223)	147 (141 to 154)	231 (212 to 246)	2,518 (2,195 to 2,829)	3,283 (2,982 to 3,619)	3,873 (3,556 to 4,227)	378 (354 to 399)
	Death #, 2000	743 (634 to 856)	576 (480 to 691)	1,262 (1,126 to 1,418)	833 (707 to 965)	398 (387 to 408)	306 (301 to 311)	505 (498 to 511)	2,580 (2,333 to 2,812)	3,413 (3,089 to 3,749)	4,622 (4,281 to 4,973)	812 (799 to 822)
	Death #, 2017	610 (475 to 782)	289 (242 to 342)	686 (540 to 867)	316 (255 to 390)	165 (137 to 194)	135 (117 to 154)	226 (211 to 242)	1,585 (1,271 to 1,971)	1,901 (1,524 to 2,364)	2,427 (2,003 to 2,946)	361 (330 to 394)
	% change 1990-2017	**66.3% (16.2% to 138.1%)#**	**-54.3% (-62.1% to -45.0%)#**	**-54.8% (-65.3% to -39.5%)#**	**-58.7% (-69.3% to -44.1%)#**	**-22.0% (-35.9% to -7.4%)#**	-8.5% (-20.9% to 5.9%)	-2.1% (-10.5% to 9.4%)	**-37.0% (-50.7% to -18.9%)#**	**-42.1% (-54.2% to -26.6%)#**	**-37.3% (-49.0% to -22.7%)#**	-4.6% (-14.0% to 5.9%)
	% change 2000-2017	-17.9% (-39.1% to 9.6%)	**-49.8% (-60.0% to -37.5%)#**	**-45.6% (-58.7% to -29.9%)#**	**-62.0% (-70.8% to -51.1%)#**	**-58.5% (-65.6% to -51.0%)#**	**-56.0% (-61.7% to -49.7%)#**	**-55.3% (-58.4% to -52.0%)#**	**-38.6% (-51.8% to -22.7%)#**	**-44.3% (-56.0% to -30.1%)#**	**-47.5% (-57.3% to -35.8%)#**	**-55.6% (-59.5% to -51.5%)#**
Oman	Death #, 1990	827 (654 to 1,055)	277 (219 to 346)	746 (577 to 949)	579 (449 to 748)	234 (207 to 265)	154 (138 to 172)	174 (144 to 209)	1,850 (1,474 to 2,289)	2,428 (1,961 to 2,996)	2,990 (2,484 to 3,599)	328 (285 to 380)
	Death #, 2000	273 (228 to 323)	85 (71 to 102)	188 (154 to 227)	182 (155 to 213)	121 (106 to 137)	124 (112 to 136)	218 (186 to 258)	545 (473 to 624)	727 (632 to 832)	1,190 (1,062 to 1,323)	342 (300 to 394)
	Death #, 2017	382 (344 to 421)	119 (107 to 131)	250 (224 to 277)	172 (129 to 223)	92 (87 to 97)	78 (71 to 84)	134 (110 to 160)	751 (676 to 827)	923 (855 to 993)	1,226 (1,146 to 1,309)	212 (181 to 244)
	% change 1990-2017	**-53.8% (-64.9% to -40.3%)#**	**-57.1% (-66.4% to -45.4%)#**	**-66.5% (-74.5% to -55.2%)#**	**-70.3% (-80.2% to -55.8%)#**	**-60.8% (-65.6% to -55.1%)#**	**-49.7% (-56.0% to -42.9%)#**	**-22.8% (-39.0% to -2.3%)#**	**-59.4% (-68.1% to -48.0%)#**	**-62.0% (-69.6% to -52.3%)#**	**-59.0% (-66.3% to -50.1%)#**	**-35.4% (-46.7% to -22.5%)#**
	% change 2000-2017	**40.1% (14.5% to 70.5%)#**	**40.6% (15.2% to 69.8%)#**	**33.2% (9.8% to 64.0%)#**	-5.7% (-28.8% to 20.6%)	**-24.0% (-33.4% to -13.2%)#**	**-37.3% (-44.0% to -29.7%)#**	**-38.5% (-49.5% to -23.9%)#**	**37.8% (16.4% to 61.7%)#**	**26.9% (9.4% to 45.7%)#**	3.1% (-8.3% to 16.2%)	**-38.1% (-47.2% to -26.5%)#**
Qatar	Death #, 1990	88 (65 to 117)	31 (24 to 39)	64 (49 to 80)	37 (30 to 44)	20 (18 to 23)	18 (16 to 19)	29 (26 to 33)	183 (155 to 214)	220 (187 to 256)	287 (250 to 327)	47 (42 to 53)
	Death #, 2000	60 (50 to 70)	20 (17 to 24)	46 (36 to 58)	27 (22 to 33)	21 (19 to 24)	18 (17 to 19)	28 (24 to 32)	126 (110 to 144)	153 (133 to 175)	220 (196 to 247)	46 (41 to 51)
	Death #, 2017	76 (55 to 102)	30 (21 to 40)	62 (43 to 87)	33 (23 to 47)	29 (25 to 33)	23 (20 to 25)	49 (40 to 58)	167 (123 to 223)	201 (149 to 266)	301 (242 to 375)	71 (61 to 83)
	% change 1990-2017	-14.2% (-50.3% to 43.3%)	-3.1% (-28.7% to 28.1%)	-3.4% (-30.3% to 28.1%)	-8.8% (-38.3% to 27.2%)	**42.1% (19.3% to 67.9%)#**	**27.5% (10.8% to 45.2%)#**	**66.0% (31.3% to 109.1%)#**	-8.5% (-36.6% to 29.2%)	-8.6% (-35.3% to 28.0%)	4.9% (-19.7% to 36.5%)	**51.5% (25.0% to 82.2%)#**
	% change 2000-2017	26.4% (-14.8% to 89.6%)	**46.2% (4.1% to 100.1%)#**	34.0% (-18.8% to 114.2%)	24.5% (-10.2% to 70.5%)	**34.5% (14.8% to 58.1%)#**	**26.6% (12.3% to 43.1%)#**	**75.0% (40.3% to 116.0%)#**	32.4% (-6.4% to 86.5%)	31.0% (-4.0% to 80.8%)	**36.5% (7.9% to 74.8%)#**	**56.0% (30.3% to 85.6%)#**
Saudi Arabia	Death #, 1990	10,598 (8,375 to 12,979)	4,732 (3,758 to 5,771)	12,467 (9,948 to 15,152)	6,201 (4,179 to 8,924)	1,500 (1,340 to 1,705)	962 (883 to 1,051)	1,313 (1,142 to 1,501)	27,798 (22,087 to 33,902)	33,998 (27,394 to 41,489)	37,774 (30,948 to 45,551)	2,276 (2,034 to 2,539)
	Death #, 2000	6,158 (4,637 to 7,969)	2,403 (1,816 to 3,112)	5,324 (4,013 to 6,872)	2,827 (2,016 to 3,819)	1,156 (1,000 to 1,318)	877 (791 to 961)	1,339 (1,215 to 1,472)	13,885 (10,471 to 17,986)	16,712 (12,891 to 21,091)	20,084 (16,043 to 24,735)	2,216 (2,040 to 2,398)
	Death #, 2017	1,674 (1,137 to 2,511)	745 (507 to 1,116)	1,251 (853 to 1,865)	816 (524 to 1,258)	447 (401 to 530)	497 (446 to 578)	1,732 (1,498 to 2,030)	3,670 (2,494 to 5,493)	4,486 (3,067 to 6,632)	7,163 (5,530 to 9,607)	2,229 (1,961 to 2,602)
	% change 1990-2017	**-84.2% (-89.9% to -75.8%)#**	**-84.2% (-89.9% to -75.9%)#**	**-90.0% (-93.5% to -84.7%)#**	**-86.8% (-92.7% to -76.4%)#**	**-70.2% (-74.7% to -64.1%)#**	**-48.4% (-55.2% to -39.1%)#**	**31.9% (7.2% to 63.0%)#**	**-86.8% (-91.6% to -79.8%)#**	**-86.8% (-91.1% to -80.5%)#**	**-81.0% (-85.9% to -73.8%)#**	-2.0% (-18.1% to 19.1%)
	% change 2000-2017	**-72.8% (-82.2% to -57.9%)#**	**-69.0% (-79.7% to -52.0%)#**	**-76.5% (-84.5% to -63.6%)#**	**-71.1% (-84.1% to -47.4%)#**	**-61.3% (-66.9% to -53.6%)#**	**-43.3% (-50.5% to -33.8%)#**	**29.4% (9.1% to 53.8%)#**	**-73.6% (-82.6% to -59.1%)#**	**-73.2% (-81.6% to -60.7%)#**	**-64.3% (-73.0% to -51.2%)#**	0.6% (-13.7% to 18.2%)
	Death #, 1990	31,339 (27,402 to 35,536)	13,213 (11,675 to 14,836)	37,566 (31,926 to 43,816)	50,198 (44,634 to 56,344)	5,153 (4,819 to 5,509)	2,859 (2,693 to 3,025)	3,811 (3,487 to 4,151)	82,118 (74,472 to 90,685)	132,316 (121,834 to 144,055)	144,140 (133,146 to 156,109)	6,671 (6,204 to 7,145)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Sudan	Death #, 2000	28,705 (24,202 to 33,652)	11,230 (9,416 to 13,282)	34,655 (31,041 to 38,590)	36,843 (29,644 to 44,610)	4,885 (4,453 to 5,300)	2,868 (2,649 to 3,071)	3,917 (3,419 to 4,396)	74,589 (66,392 to 83,417)	111,432 (101,621 to 122,726)	123,102 (112,887 to 134,814)	6,785 (6,090 to 7,406)
	Death #, 2017	24,324 (20,059 to 29,742)	7,512 (6,226 to 9,165)	21,699 (13,435 to 34,336)	14,586 (11,188 to 19,155)	3,826 (3,340 to 4,367)	2,656 (2,444 to 2,898)	3,633 (3,127 to 4,041)	53,535 (41,052 to 70,160)	68,121 (52,222 to 89,431)	78,236 (61,867 to 99,981)	6,289 (5,633 to 6,900)
	% change 1990-2017	**-22.4% (-38.1% to -2.6%)#**	**-43.1% (-54.4% to -29.3%)#**	**-42.2% (-65.5% to -6.1%)#**	**-70.9% (-77.9% to -61.2%)#**	**-25.8% (-36.0% to -13.7%)#**	-7.1% (-15.7% to 2.2%)	-4.7% (-17.9% to 8.7%)	**-34.8% (-50.9% to -13.9%)#**	**-48.5% (-60.7% to -31.8%)#**	**-45.7% (-57.4% to -29.8%)#**	-5.7% (-15.7% to 4.9%)
	% change 2000-2017	-15.3% (-34.0% to 10.5%)	**-33.1% (-48.1% to -12.7%)#**	**-37.4% (-62.0% to -1.1%)#**	**-60.4% (-71.2% to -45.6%)#**	**-21.7% (-32.5% to -9.4%)#**	-7.4% (-15.9% to 2.2%)	-7.2% (-18.0% to 5.3%)	**-28.2% (-45.6% to -3.5%)#**	**-38.9% (-53.1% to -19.1%)#**	**-36.5% (-49.7% to -18.0%)#**	-7.3% (-16.1% to 3.0%)
Syria	Death #, 1990	4,801 (3,355 to 6,558)	1,795 (1,298 to 2,375)	7,775 (6,699 to 8,916)	3,050 (2,078 to 4,290)	2,173 (1,981 to 2,363)	1,343 (1,243 to 1,434)	1,466 (1,339 to 1,608)	14,370 (12,173 to 16,477)	17,420 (14,526 to 20,496)	22,402 (19,298 to 25,827)	2,809 (2,590 to 3,026)
	Death #, 2000	2,521 (2,131 to 2,922)	852 (733 to 986)	2,987 (2,565 to 3,404)	2,416 (1,998 to 2,862)	1,419 (1,376 to 1,481)	1,102 (1,055 to 1,150)	1,685 (1,547 to 1,824)	6,360 (5,908 to 6,833)	8,776 (8,509 to 9,029)	12,982 (12,638 to 13,318)	2,786 (2,601 to 2,974)
	Death #, 2017	1,135 (892 to 1,413)	396 (320 to 483)	1,019 (788 to 1,296)	3,438 (3,267 to 3,634)	3,199 (3,105 to 3,299)	3,906 (3,818 to 4,005)	6,875 (6,677 to 7,089)	2,549 (2,159 to 3,006)	5,987 (5,427 to 6,635)	19,967 (19,222 to 20,853)	10,781 (10,527 to 11,066)
	% change 1990-2017	**-76.4% (-84.2% to -63.5%)#**	**-78.0% (-83.8% to -69.2%)#**	**-86.9% (-90.6% to -82.3%)#**	12.7% (-19.8% to 65.1%)	**47.2% (34.6% to 61.5%)#**	**190.9% (171.8% to 214.3%)#**	**369.1% (327.1% to 415.2%)#**	**-82.3% (-85.6% to -78.2%)#**	**-65.6% (-71.2% to -58.5%)#**	-10.9% (-22.5% to 3.3%)	**283.9% (255.7% to 317.3%)#**
	% change 2000-2017	**-55.0% (-66.1% to -41.8%)#**	**-53.5% (-64.0% to -40.3%)#**	**-65.9% (-74.5% to -53.9%)#**	**42.3% (18.8% to 72.0%)#**	**125.4% (114.8% to 135.8%)#**	**254.6% (237.0% to 272.9%)#**	**308.1% (271.9% to 347.9%)#**	**-59.9% (-66.5% to -52.1%)#**	**-31.8% (-38.3% to -24.2%)#**	**53.8% (46.8% to 62.3%)#**	**286.9% (258.5% to 317.2%)#**
Tunisia	Death #, 1990	3,649 (3,128 to 4,198)	1,797 (1,534 to 2,081)	4,264 (3,429 to 5,204)	1,844 (1,404 to 2,334)	840 (779 to 903)	537 (514 to 559)	587 (565 to 611)	9,710 (8,743 to 10,693)	11,554 (10,306 to 12,828)	13,518 (12,191 to 14,895)	1,124 (1,082 to 1,164)
	Death #, 2000	1,903 (1,572 to 2,245)	1,089 (913 to 1,282)	1,195 (990 to 1,433)	900 (713 to 1,113)	430 (390 to 471)	415 (388 to 440)	647 (592 to 706)	4,188 (3,615 to 4,786)	5,088 (4,410 to 5,803)	6,579 (5,827 to 7,358)	1,061 (984 to 1,145)
	Death #, 2017	626 (490 to 783)	418 (326 to 524)	448 (351 to 561)	300 (239 to 372)	201 (174 to 234)	189 (167 to 213)	325 (266 to 398)	1,492 (1,167 to 1,866)	1,792 (1,403 to 2,240)	2,506 (2,071 to 3,001)	513 (434 to 610)
	% change 1990-2017	**-82.8% (-86.9% to -77.0%)#**	**-76.8% (-82.3% to -69.0%)#**	**-89.5% (-92.4% to -85.6%)#**	**-83.7% (-88.2% to -77.5%)#**	**-76.1% (-79.6% to -71.8%)#**	**-64.9% (-69.0% to -60.2%)#**	**-44.7% (-54.6% to -31.6%)#**	**-84.6% (-88.1% to -80.5%)#**	**-84.5% (-88.0% to -80.3%)#**	**-81.5% (-85.0% to -77.5%)#**	**-54.3% (-61.2% to -45.6%)#**
	% change 2000-2017	**-67.1% (-75.2% to -56.2%)#**	**-61.7% (-71.3% to -49.5%)#**	**-62.5% (-72.2% to -50.1%)#**	**-66.6% (-74.8% to -55.4%)#**	**-53.4% (-60.4% to -44.8%)#**	**-54.5% (-60.2% to -48.2%)#**	**-49.8% (-58.5% to -38.4%)#**	**-64.4% (-72.3% to -53.6%)#**	**-64.8% (-72.8% to -54.2%)#**	**-61.9% (-69.2% to -52.8%)#**	**-51.6% (-59.0% to -42.6%)#**
Turkey	Death #, 1990	35,814 (31,392 to 40,494)	13,094 (11,671 to 14,501)	43,400 (38,010 to 48,979)	18,071 (14,667 to 22,187)	5,370 (5,002 to 5,751)	3,310 (3,178 to 3,449)	4,199 (4,008 to 4,396)	92,308 (83,672 to 101,192)	110,379 (101,183 to 120,383)	123,258 (113,474 to 133,853)	7,509 (7,220 to 7,819)
	Death #, 2000	23,675 (19,914 to 27,554)	6,519 (5,569 to 7,575)	23,028 (19,509 to 26,580)	12,458 (9,688 to 15,871)	3,124 (2,860 to 3,394)	2,059 (1,962 to 2,163)	2,914 (2,778 to 3,054)	53,222 (48,083 to 59,176)	65,680 (58,627 to 73,286)	73,776 (66,318 to 81,850)	4,973 (4,771 to 5,208)
	Death #, 2017	7,349 (5,360 to 9,580)	1,686 (1,361 to 2,068)	4,666 (3,201 to 6,429)	3,324 (2,391 to 4,587)	1,577 (1,380 to 1,799)	1,504 (1,386 to 1,629)	3,240 (2,983 to 3,516)	13,702 (11,095 to 16,726)	17,026 (13,985 to 20,645)	23,346 (19,880 to 27,298)	4,743 (4,404 to 5,108)
	% change 1990-2017	**-79.5% (-85.5% to -72.3%)#**	**-87.1% (-90.1% to -83.6%)#**	**-89.2% (-92.9% to -84.6%)#**	**-81.6% (-87.8% to -73.0%)#**	**-70.6% (-74.8% to -66.1%)#**	**-54.6% (-58.6% to -50.1%)#**	**-22.9% (-30.1% to -14.9%)#**	**-85.2% (-88.5% to -81.5%)#**	**-84.6% (-87.7% to -80.9%)#**	**-81.1% (-84.3% to -77.5%)#**	**-36.8% (-42.2% to -30.9%)#**
	% change 2000-2017	**-69.0% (-77.9% to -57.7%)#**	**-74.1% (-80.3% to -66.1%)#**	**-79.7% (-86.3% to -71.0%)#**	**-73.3% (-82.4% to -60.0%)#**	**-49.5% (-57.2% to -41.3%)#**	**-27.0% (-33.5% to -19.6%)#**	**11.2% (0.5% to 22.6%)#**	**-74.3% (-79.5% to -68.0%)#**	**-74.1% (-79.3% to -68.1%)#**	**-68.4% (-73.9% to -62.2%)#**	-4.6% (-12.8% to 4.0%)
UAE	Death #, 1990	434 (363 to 512)	151 (117 to 192)	283 (219 to 360)	231 (160 to 321)	124 (112 to 139)	83 (76 to 90)	124 (104 to 143)	869 (728 to 1,029)	1,100 (918 to 1,294)	1,431 (1,236 to 1,640)	207 (180 to 232)
	Death #, 2000	266 (210 to 331)	98 (74 to 123)	182 (156 to 209)	143 (108 to 181)	87 (83 to 90)	101 (95 to 106)	221 (198 to 250)	546 (453 to 650)	689 (593 to 796)	1,097 (991 to 1,209)	322 (293 to 357)
	Death #, 2017	375 (270 to 528)	147 (106 to 206)	221 (160 to 307)	219 (161 to 300)	107 (93 to 124)	98 (88 to 109)	304 (252 to 360)	743 (536 to 1,042)	962 (697 to 1,337)	1,471 (1,176 to 1,880)	402 (340 to 466)
	% change 1990-2017	-13.6% (-40.0% to 24.5%)	-3.1% (-35.6% to 45.5%)	-22.0% (-45.7% to 20.3%)	-5.0% (-37.4% to 51.9%)	-14.0% (-26.2% to 2.3%)	**17.9% (1.8% to 36.0%)#**	**145.5% (91.7% to 210.8%)#**	-14.5% (-39.6% to 26.9%)	-12.5% (-37.0% to 26.1%)	2.8% (-19.6% to 34.7%)	**94.3% (57.7% to 136.3%)#**
	% change 2000-2017	40.8% (-1.0% to 105.5%)	**49.9% (3.3% to 122.4%)#**	21.4% (-12.2% to 70.0%)	**53.7% (9.8% to 125.8%)#**	**23.4% (7.8% to 43.4%)#**	-3.1% (-13.6% to 8.5%)	**37.6% (11.0% to 66.6%)#**	36.0% (-3.2% to 91.0%)	**39.7% (1.5% to 92.5%)#**	**34.0% (7.0% to 70.5%)#**	**24.8% (3.7% to 47.9%)#**
Yemen	Death #, 1990	19,845 (15,446 to 24,853)	8,881 (6,975 to 11,074)	36,876 (32,962 to 40,862)	22,147 (17,089 to 27,772)	3,746 (3,492 to 4,076)	1,973 (1,769 to 2,195)	2,163 (1,719 to 2,570)	65,602 (60,043 to 71,534)	87,749 (81,406 to 94,910)	95,631 (88,946 to 103,449)	4,135 (3,492 to 4,763)
	Death #, 2000	21,948 (18,753 to 25,392)	7,701 (6,739 to 8,854)	29,950 (26,847 to 33,198)	15,244 (11,986 to 19,136)	3,109 (2,834 to 3,453)	2,012 (1,795 to 2,262)	2,739 (2,155 to 3,238)	59,599 (54,780 to 65,004)	74,843 (68,567 to 82,216)	82,703 (75,743 to 90,773)	4,751 (3,956 to 5,493)
	Death #, 2017	15,852 (12,807 to 19,686)	4,846 (3,949 to 5,959)	15,671 (10,424 to 23,805)	8,502 (7,091 to 10,388)	3,779 (3,483 to 4,294)	2,958 (2,783 to 3,255)	4,745 (4,364 to 5,196)	36,368 (28,697 to 46,639)	44,871 (35,767 to 57,053)	56,352 (46,369 to 69,787)	7,703 (7,150 to 8,442)
	% change 1990-2017	-20.1% (-41.4% to 11.2%)	**-45.4% (-59.3% to -24.8%)#**	**-57.5% (-73.1% to -35.0%)#**	**-61.6% (-70.6% to -48.1%)#**	0.9% (-8.5% to 15.5%)	**50.0% (33.5% to 70.1%)#**	**119.4% (85.1% to 174.2%)#**	**-44.6% (-57.3% to -27.7%)#**	**-48.9% (-59.7% to -35.0%)#**	**-41.1% (-51.9% to -27.4%)#**	**86.3% (61.0% to 120.8%)#**
	% change 2000-2017	**-27.8% (-43.8% to -8.4%)#**	**-37.1% (-50.1% to -20.9%)#**	**-47.7% (-65.8% to -20.9%)#**	**-44.2% (-57.3% to -27.1%)#**	**21.6% (8.9% to 35.9%)#**	**47.0% (32.5% to 64.5%)#**	**73.2% (49.7% to 112.8%)#**	**-39.0% (-51.8% to -21.6%)#**	**-40.0% (-51.9% to -24.0%)#**	**-31.9% (-43.7% to -16.0%)#**	**62.1% (42.8% to 90.7%)#**
South Asia	Death #, 1990	1,270,729 (1,208,540 to 1,336,653)	538,433 (499,560 to 580,074)	1,110,229 (1,046,373 to 1,178,784)	1,089,566 (1,010,012 to 1,177,306)	361,840 (354,510 to 368,197)	168,501 (165,635 to 171,226)	232,687 (227,136 to 238,446)	2,919,391 (2,807,758 to 3,021,462)	4,008,957 (3,904,402 to 4,111,107)	4,771,985 (4,658,879 to 4,880,751)	401,188 (392,980 to 409,778)
	% of global total, 1990	41.8% (40.5% to 43.2%)	42.6% (40.7% to 44.5%)	28.8% (27.6% to 30.1%)	30.1% (28.5% to 31.9%)	42.4% (41.8% to 42.9%)	36.1% (35.7% to 36.5%)	34.5% (33.9% to 35.1%)	35.8% (34.9% to 36.7%)	34.1% (33.4% to 34.7%)	34.7% (34.1% to 35.2%)	35.2% (34.6% to 35.7%)
	Death #, 2000	1,124,694 (1,074,124 to 1,178,311)	358,589 (331,160 to 394,240)	883,192 (838,317 to 937,153)	776,196 (722,410 to 835,928)	280,711 (274,550 to 287,429)	183,004 (180,298 to 185,697)	243,480 (239,301 to 247,500)	2,366,475 (2,279,487 to 2,469,837)	3,142,671 (3,048,641 to 3,245,438)	3,849,866 (3,745,335 to 3,964,389)	426,484 (419,951 to 432,944)
	% of global total, 2000	41.0% (39.8% to 42.2%)	39.1% (37.1% to 41.4%)	28.6% (27.4% to 29.9%)	26.5% (25.1% to 28.1%)	39.9% (39.4% to 40.5%)	37.8% (37.4% to 38.2%)	35.9% (35.4% to 36.4%)	35.0% (34.1% to 36.1%)	32.5% (31.7% to 33.2%)	33.3% (32.7% to 34.0%)	36.7% (36.3% to 37.1%)
	Death #, 2017	686,183 (644,536 to 730,612)	175,253 (164,852 to 186,444)	407,438 (370,995 to 452,381)	232,757 (212,261 to 255,949)	133,256 (128,577 to 138,478)	101,481 (98,805 to 104,060)	153,051 (147,858 to 158,261)	1,268,874 (1,193,332 to 1,352,941)	1,501,631 (1,415,559 to 1,602,378)	1,889,418 (1,796,688 to 1,994,431)	254,532 (247,061 to 261,954)
	% of global total, 2017	36.9% (35.1% to 38.8%)	34.5% (32.8% to 36.3%)	25.1% (23.2% to 27.4%)	16.6% (15.1% to 18.1%)	32.3% (31.5% to 33.4%)	31.8% (31.1% to 32.4%)	29.6% (28.8% to 30.4%)	31.8% (30.2% to 33.5%)	27.9% (26.3% to 29.5%)	28.5% (27.1% to 29.8%)	30.4% (29.7% to 31.2%)
	% change 1990-2017	**-46.0% (-50.4% to -41.2%)#**	**-67.5% (-70.5% to -64.0%)#**	**-63.3% (-67.7% to -58.3%)#**	**-78.6% (-81.5% to -75.5%)#**	**-63.2% (-64.6% to -61.6%)#**	**-39.8% (-41.6% to -38.0%)#**	**-34.2% (-36.9% to -31.5%)#**	**-56.5% (-59.5% to -53.0%)#**	**-62.5% (-65.0% to -59.9%)#**	**-60.4% (-62.5% to -58.0%)#**	**-36.6% (-38.8% to -34.4%)#**
	% change 2000-2017	**-39.0% (-43.5% to -34.0%)#**	**-51.1% (-56.1% to -46.0%)#**	**-53.9% (-58.6% to -47.9%)#**	**-70.0% (-73.3% to -66.3%)#**	**-52.5% (-54.5% to -50.4%)#**	**-44.5% (-46.3% to -42.9%)#**	**-37.1% (-39.7% to -34.7%)#**	**-46.4% (-50.2% to -42.4%)#**	**-52.2% (-55.4% to -48.7%)#**	**-50.9% (-53.8% to -47.8%)#**	**-40.3% (-42.4% to -38.3%)#**
Bangladesh	Death #, 1990	153,009 (127,643 to 179,758)	91,239 (73,674 to 110,148)	150,113 (130,029 to 170,587)	166,395 (131,492 to 203,545)	52,645 (50,087 to 55,292)	19,899 (19,111 to 20,683)	21,430 (20,308 to 22,571)	394,361 (352,682 to 435,771)	560,755 (523,303 to 597,854)	654,730 (613,934 to 694,584)	41,329 (39,554 to 43,161)
	Death #, 2000	126,375 (108,458 to 144,784)	47,394 (40,606 to 54,758)	90,833 (76,853 to 105,306)	82,545 (64,528 to 101,560)	36,179 (34,237 to 38,234)	16,387 (15,763 to 17,016)	16,005 (15,234 to 16,730)	264,602 (240,831 to 289,710)	347,147 (317,701 to 376,658)	415,718 (384,250 to 447,264)	32,392 (31,075 to 33,656)
	Death #, 2017	55,701 (45,324 to 67,209)	12,439 (10,108 to 14,997)	21,969 (13,957 to 33,599)	17,765 (14,693 to 21,204)	13,700 (12,115 to 15,494)	10,789 (9,891 to 11,710)	11,165 (10,114 to 12,315)	90,109 (74,281 to 108,823)	107,874 (88,957 to 129,617)	143,528 (122,298 to 167,707)	21,954 (20,045 to 23,821)
	% change 1990-2017	**-63.6% (-72.3% to -52.1%)#**	**-86.4% (-89.7% to -81.8%)#**	**-85.4% (-91.2% to -76.8%)#**	**-89.3% (-91.9% to -85.8%)#**	**-74.0% (-77.1% to -70.4%)#**	**-45.8% (-50.6% to -40.8%)#**	**-47.9% (-53.4% to -42.0%)#**	**-77.2% (-81.8% to -72.0%)#**	**-80.8% (-84.3% to -76.7%)#**	**-78.1% (-81.4% to -74.2%)#**	**-46.9% (-51.9% to -41.7%)#**
	% change 2000-2017	**-55.9% (-65.2% to -43.9%)#**	**-73.8% (-79.4% to -66.5%)#**	**-75.8% (-84.6% to -62.4%)#**	**-78.5% (-83.8% to -71.5%)#**	**-62.1% (-66.9% to -56.7%)#**	**-34.2% (-40.6% to -27.7%)#**	**-30.2% (-37.9% to -22.2%)#**	**-66.0% (-72.4% to -57.9%)#**	**-68.9% (-74.7% to -61.8%)#**	**-65.5% (-70.9% to -58.9%)#**	**-32.2% (-38.8% to -25.3%)#**
	Death #, 1990	641 (519 to 770)	301 (245 to 359)	576 (472 to 684)	592 (491 to 701)	123 (110 to 136)	68 (62 to 75)	89 (78 to 101)	1,518 (1,238 to 1,813)	2,109 (1,733 to 2,512)	2,389 (1,997 to 2,805)	157 (141 to 174)
	Death #, 2000	453 (369 to 548)	157 (129 to 189)	330 (271 to 394)	286 (240 to 335)	90 (83 to 97)	75 (72 to 80)	91 (84 to 100)	940 (769 to 1,129)	1,226 (1,009 to 1,465)	1,483 (1,260 to 1,731)	167 (156 to 178)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Bhutan	Death #, 2017	207 (148 to 291)	54 (39 to 75)	95 (69 to 131)	63 (46 to 85)	42 (37 to 48)	33 (30 to 36)	56 (47 to 62)	355 (256 to 497)	418 (301 to 582)	548 (420 to 717)	89 (78 to 98)
	% change 1990-2017	**-67.8% (-77.2% to -54.6%)#**	**-82.2% (-87.2% to -75.2%)#**	**-83.5% (-88.1% to -77.2%)#**	**-89.4% (-92.2% to -85.6%)#**	**-66.0% (-71.0% to -60.3%)#**	**-51.4% (-57.6% to -45.2%)#**	**-37.6% (-49.0% to -25.9%)#**	**-76.6% (-83.2% to -67.4%)#**	**-80.2% (-85.7% to -72.4%)#**	**-77.1% (-82.5% to -69.7%)#**	**-43.6% (-52.3% to -34.9%)#**
	% change 2000-2017	**-54.5% (-66.5% to -36.8%)#**	**-65.8% (-74.7% to -53.1%)#**	**-71.3% (-78.7% to -60.5%)#**	**-78.1% (-83.5% to -70.3%)#**	**-53.3% (-59.2% to -47.0%)#**	**-56.1% (-60.5% to -51.6%)#**	**-39.1% (-48.4% to -30.6%)#**	**-62.2% (-72.2% to -47.8%)#**	**-66.0% (-74.8% to -53.1%)#**	**-63.0% (-71.3% to -51.8%)#**	**-46.8% (-53.2% to -40.9%)#**
India	Death #, 1990	894365 (853023 to 939789)	366146 (334226 to 401377)	799269 (748600 to 855528)	746288 (674938 to 827721)	278108 (271978 to 284049)	129889 (127251 to 132522)	185514 (180282 to 191134)	2059781 (1974568 to 2142266)	2806069 (2727323 to 2889186)	3399581 (3312449 to 3489192)	315403 (307627 to 323458)
	Death #, 2000	775566 (741336 to 816087)	245204 (220108 to 277903)	663539 (630367 to 699348)	552709 (505265 to 603675)	208378 (203000 to 214223)	142830 (140628 to 145160)	196000 (192407 to 199464)	1684310 (1611028 to 1764012)	2237018 (2162721 to 2316664)	2784226 (2704256 to 2872578)	338829 (333098 to 344527)
	Death #, 2017	454279 (429227 to 483615)	117247 (110603 to 124648)	304559 (287080 to 324838)	159796 (142227 to 180179)	90043 (87012 to 93685)	67421 (66184 to 68684)	105919 (103576 to 108326)	876086 (827984 to 932968)	1035882 (982075 to 1099367)	1299265 (1240750 to 1367727)	173340 (170056 to 176813)
	% change 1990-2017	**-49.2% (-53.1% to -44.9%)#**	**-68.0% (-71.4% to -64.1%)#**	**-61.9% (-65.3% to -58.2%)#**	**-78.6% (-82.3% to -74.7%)#**	**-67.6% (-68.9% to -66.2%)#**	**-48.1% (-49.6% to -46.6%)#**	**-42.9% (-45.1% to -40.8%)#**	**-57.5% (-60.5% to -54.0%)#**	**-63.1% (-65.2% to -60.6%)#**	**-61.8% (-63.7% to -59.6%)#**	**-45.0% (-46.9% to -43.3%)#**
	% change 2000-2017	**-41.4% (-45.8% to -36.6%)#**	**-52.2% (-58.3% to -45.8%)#**	**-54.1% (-57.8% to -50.3%)#**	**-71.1% (-75.0% to -66.8%)#**	**-56.8% (-58.6% to -54.8%)#**	**-52.8% (-54.0% to -51.6%)#**	**-46.0% (-47.6% to -44.4%)#**	**-48.0% (-51.7% to -43.9%)#**	**-53.7% (-56.6% to -50.5%)#**	**-53.3% (-55.9% to -50.7%)#**	**-48.8% (-50.2% to -47.5%)#**
Nepal	Death #, 1990	29,836 (22,921 to 37,078)	13,954 (10,405 to 17,766)	28,825 (25,106 to 32,801)	30,767 (24,317 to 37,793)	4,444 (4,189 to 4,720)	2,482 (2,337 to 2,628)	3,173 (2,868 to 3,472)	72,614 (63,212 to 82,629)	103,381 (95,636 to 111,914)	113,480 (105,487 to 122,121)	5,655 (5,227 to 6,085)
	Death #, 2000	21,474 (18,986 to 24,027)	7,521 (6,514 to 8,612)	16,916 (15,061 to 18,933)	12,722 (10,240 to 15,571)	3,077 (2,898 to 3,270)	2,020 (1,933 to 2,125)	2,737 (2,533 to 2,951)	45,911 (41,903 to 50,098)	58,633 (53,811 to 63,972)	66,467 (61,346 to 71,942)	4,757 (4,488 to 5,060)
	Death #, 2017	9,180 (7,373 to 11,265)	2,388 (1,909 to 2,938)	4,664 (3,016 to 6,978)	2,465 (1,974 to 3,034)	1,513 (1,353 to 1,681)	1,383 (1,266 to 1,518)	2,699 (2,501 to 3,027)	16,232 (13,037 to 19,840)	18,698 (15,026 to 22,869)	24,293 (20,380 to 28,732)	4,082 (3,785 to 4,489)
	% change 1990-2017	**-69.2% (-77.4% to -57.0%)#**	**-82.9% (-87.7% to -75.5%)#**	**-83.8% (-89.9% to -75.0%)#**	**-92.0% (-94.2% to -88.9%)#**	**-65.9% (-70.0% to -61.3%)#**	**-44.3% (-50.2% to -37.4%)#**	-15.0% (-25.1% to 0.4%)	**-77.7% (-82.5% to -72.0%)#**	**-81.9% (-85.6% to -77.7%)#**	**-78.6% (-82.3% to -74.4%)#**	**-27.8% (-35.5% to -17.1%)#**
	% change 2000-2017	**-57.2% (-66.2% to -46.0%)#**	**-68.2% (-75.2% to -59.6%)#**	**-72.4% (-82.2% to -58.8%)#**	**-80.6% (-85.2% to -74.3%)#**	**-50.8% (-56.5% to -44.8%)#**	**-31.5% (-37.8% to -24.3%)#**	-1.4% (-11.2% to 13.8%)	**-64.6% (-71.9% to -56.0%)#**	**-68.1% (-74.6% to -60.7%)#**	**-63.5% (-69.6% to -56.4%)#**	**-14.2% (-22.0% to -3.5%)#**
Pakistan	Death #, 1990	192878 (157542 to 232802)	66793 (54860 to 78361)	131446 (99735 to 166424)	145524 (125793 to 166474)	26520 (25192 to 28042)	16162 (15582 to 16792)	22480 (21505 to 23517)	391118 (356916 to 428779)	536642 (501268 to 578350)	601805 (564735 to 645379)	38642 (37170 to 40255)
	Death #, 2000	200825 (171242 to 231648)	58313 (50258 to 67109)	111574 (82713 to 148434)	127934 (104122 to 153301)	32988 (31124 to 34992)	21692 (20760 to 22645)	28647 (27174 to 30247)	370712 (325449 to 416101)	498646 (450719 to 547091)	581972 (530828 to 632802)	50339 (48060 to 52791)
	Death #, 2017	166817 (134234 to 203172)	43125 (34909 to 52188)	76150 (46528 to 120014)	52668 (42455 to 64200)	27957 (24691 to 31668)	21855 (19734 to 24151)	33212 (28647 to 37934)	286091 (229726 to 349601)	338760 (271848 to 413586)	421784 (351141 to 503233)	55067 (48670 to 61830)
	% change 1990-2017	-13.5% (-34.4% to 16.6%)	**-35.4% (-50.3% to -15.1%)#**	-42.1% (-68.7% to 1.9%)	**-63.8% (-71.5% to -54.5%)#**	5.4% (-8.1% to 20.7%)	**35.2% (21.2% to 50.4%)#**	**47.7% (26.9% to 70.2%)#**	**-26.9% (-41.8% to -8.4%)#**	**-36.9% (-49.5% to -22.0%)#**	**-29.9% (-42.1% to -15.6%)#**	**42.5% (25.2% to 61.5%)#**
	% change 2000-2017	-16.9% (-34.6% to 6.5%)	**-26.1% (-40.6% to -7.7%)#**	-31.8% (-59.2% to 11.7%)	**-58.8% (-68.4% to -46.2%)#**	**-15.2% (-25.9% to -2.6%)#**	0.8% (-10.1% to 12.5%)	15.9% (-0.7% to 34.1%)	**-22.8% (-40.5% to -3.1%)#**	**-32.1% (-46.2% to -15.6%)#**	**-27.5% (-40.5% to -12.0%)#**	9.4% (-3.9% to 23.6%)
Southeast Asia, East Asia, and Oceania	Death #, 1990	559872 (538717 to 581667)	225890 (217790 to 234119)	923001 (890392 to 959522)	559525 (538893 to 581229)	209957 (204944 to 214722)	123387 (121541 to 125238)	168446 (165847 to 171124)	1708763 (1649277 to 1769748)	2268288 (2192781 to 2347958)	2770078 (2688638 to 2856171)	291834 (287499 to 296185)
	% of global total, 1990	18.4% (17.8% to 19.2%)	17.9% (17.1% to 18.8%)	23.9% (23.1% to 24.7%)	15.5% (14.8% to 16.1%)	24.6% (24.1% to 25.1%)	26.4% (26.1% to 26.8%)	25.0% (24.6% to 25.4%)	20.9% (20.3% to 21.6%)	19.3% (18.7% to 19.9%)	20.1% (19.6% to 20.7%)	25.6% (25.2% to 26.0%)
	Death #, 2000	396922 (384930 to 409535)	122679 (119078 to 126461)	514359 (499090 to 529341)	281984 (272166 to 291690)	147657 (145035 to 150215)	121245 (119927 to 122684)	130768 (128964 to 132679)	1033960 (1009041 to 1061585)	1315944 (1283938 to 1349137)	1715614 (1680799 to 1751218)	252014 (249148 to 254924)
	% of global total, 2000	14.5% (14.0% to 15.0%)	13.4% (12.8% to 14.0%)	16.6% (16.1% to 17.1%)	9.6% (9.2% to 10.1%)	21.0% (20.6% to 21.4%)	25.1% (24.8% to 25.4%)	19.3% (19.0% to 19.6%)	15.3% (14.9% to 15.8%)	13.6% (13.2% to 14.0%)	14.9% (14.5% to 15.2%)	21.7% (21.4% to 22.0%)
	Death #, 2017	165237 (156998 to 173742)	44145 (41987 to 46307)	159388 (149548 to 171249)	91218 (86730 to 96141)	58154 (56538 to 59936)	51427 (50429 to 52496)	78577 (76422 to 80820)	368770 (351757 to 387573)	459988 (438423 to 483539)	648146 (624733 to 673396)	130004 (127073 to 133065)
	% of global total, 2017	8.9% (8.4% to 9.4%)	8.7% (8.2% to 9.2%)	9.8% (9.2% to 10.6%)	6.5% (6.1% to 7.0%)	14.1% (13.7% to 14.5%)	16.1% (15.7% to 16.4%)	15.2% (14.8% to 15.7%)	9.2% (8.8% to 9.8%)	8.5% (8.1% to 9.0%)	9.8% (9.3% to 10.2%)	15.6% (15.2% to 15.9%)
	% change 1990-2017	**-70.5% (-72.2% to -68.6%)#**	**-80.5% (-81.6% to -79.3%)#**	**-82.7% (-84.0% to -81.4%)#**	**-83.7% (-84.7% to -82.6%)#**	**-72.3% (-73.3% to -71.1%)#**	**-58.3% (-59.4% to -57.2%)#**	**-53.4% (-54.9% to -51.8%)#**	**-78.4% (-79.7% to -77.1%)#**	**-79.7% (-80.9% to -78.5%)#**	**-76.6% (-77.7% to -75.5%)#**	**-55.5% (-56.7% to -54.2%)#**
	% change 2000-2017	**-58.4% (-60.9% to -55.7%)#**	**-64.0% (-65.9% to -62.0%)#**	**-69.0% (-71.0% to -66.6%)#**	**-67.7% (-69.4% to -65.7%)#**	**-60.6% (-61.9% to -59.2%)#**	**-57.6% (-58.5% to -56.6%)#**	**-39.9% (-41.7% to -38.1%)#**	**-64.3% (-66.2% to -62.3%)#**	**-65.0% (-66.9% to -63.1%)#**	**-62.2% (-63.7% to -60.5%)#**	**-48.4% (-49.7% to -47.1%)#**
East Asia	Death #, 1990	309,953 (295,086 to 325,403)	125,801 (119,661 to 132,181)	609,997 (579,323 to 641,539)	307,548 (291,570 to 324,870)	141,419 (136,836 to 145,835)	79,434 (77,815 to 81,068)	103,576 (101,355 to 105,831)	1,045,751 (994,799 to 1,099,149)	1,353,299 (1,289,723 to 1,421,003)	1,677,728 (1,607,938 to 1,751,681)	183,011 (179,412 to 186,557)
	% of global total, 1990	10.2% (9.7% to 10.8%)	10.0% (9.4% to 10.5%)	15.8% (15.1% to 16.6%)	8.5% (8.0% to 9.0%)	16.6% (16.1% to 17.0%)	17.0% (16.7% to 17.3%)	15.4% (15.0% to 15.7%)	12.8% (12.2% to 13.5%)	11.5% (11.0% to 12.0%)	12.2% (11.7% to 12.7%)	16.0% (15.8% to 16.4%)
	Death #, 2000	189,563 (182,620 to 196,384)	61,721 (59,481 to 63,940)	302,303 (291,632 to 312,845)	145,309 (139,558 to 151,012)	98,750 (96,630 to 100,974)	85,170 (83,975 to 86,420)	69,744 (68,518 to 70,976)	553,587 (534,062 to 572,785)	698,896 (674,749 to 722,774)	952,560 (925,808 to 979,194)	154,914 (152,793 to 157,333)
	% of global total, 2000	6.9% (6.6% to 7.2%)	6.7% (6.4% to 7.0%)	9.8% (9.4% to 10.2%)	5.0% (4.7% to 5.2%)	14.0% (13.7% to 14.3%)	17.6% (17.4% to 17.9%)	10.3% (10.1% to 10.5%)	8.2% (7.9% to 8.5%)	7.2% (7.0% to 7.5%)	8.2% (8.0% to 8.5%)	13.3% (13.1% to 13.5%)
	Death #, 2017	53,615 (50,954 to 56,560)	16,192 (15,390 to 17,069)	71,297 (67,726 to 75,339)	34,323 (32,458 to 36,264)	28,883 (27,921 to 29,930)	26,265 (25,581 to 26,941)	28,547 (27,477 to 29,707)	141,104 (134,116 to 148,951)	175,427 (166,595 to 185,182)	259,122 (249,011 to 270,355)	54,812 (53,164 to 56,492)
	% of global total, 2017	2.9% (2.7% to 3.1%)	3.2% (3.0% to 3.4%)	4.4% (4.1% to 4.7%)	2.5% (2.3% to 2.6%)	7.0% (6.8% to 7.3%)	8.2% (8.0% to 8.4%)	5.5% (5.3% to 5.8%)	3.5% (3.3% to 3.8%)	3.2% (3.0% to 3.5%)	3.9% (3.7% to 4.1%)	6.6% (6.3% to 6.8%)
	% change 1990-2017	**-82.7% (-83.9% to -81.4%)#**	**-87.1% (-88.0% to -86.2%)#**	**-88.3% (-89.2% to -87.4%)#**	**-88.8% (-89.7% to -87.9%)#**	**-79.6% (-80.5% to -78.5%)#**	**-66.9% (-68.1% to -65.7%)#**	**-72.4% (-73.6% to -71.1%)#**	**-86.5% (-87.5% to -85.5%)#**	**-87.0% (-88.0% to -86.1%)#**	**-84.6% (-85.5% to -83.6%)#**	**-70.0% (-71.1% to -68.9%)#**
	% change 2000-2017	**-71.7% (-73.3% to -69.9%)#**	**-73.8% (-75.2% to -72.2%)#**	**-76.4% (-77.8% to -75.0%)#**	**-76.4% (-77.9% to -74.8%)#**	**-70.8% (-71.9% to -69.5%)#**	**-69.2% (-70.1% to -68.2%)#**	**-59.1% (-60.8% to -57.2%)#**	**-74.5% (-76.0% to -72.9%)#**	**-74.9% (-76.4% to -73.4%)#**	**-72.8% (-74.0% to -71.5%)#**	**-64.6% (-65.8% to -63.4%)#**
China	Death #, 1990	301,248 (286,710 to 316,288)	122,264 (116,316 to 128,477)	594,127 (564,281 to 624,984)	299,194 (283,498 to 316,185)	137,520 (133,074 to 141,877)	76,687 (75,117 to 78,256)	98,656 (96,520 to 100,840)	1,017,639 (968,308 to 1,069,507)	1,316,833 (1,254,098 to 1,383,939)	1,629,696 (1,561,313 to 1,703,064)	175,344 (171,880 to 178,815)
	Death #, 2000	181,730 (174,957 to 188,416)	59,087 (56,879 to 61,217)	265,357 (255,443 to 275,311)	125,452 (119,809 to 131,138)	93,868 (91,751 to 96,057)	81,690 (80,532 to 82,983)	65,242 (64,036 to 66,416)	506,174 (487,162 to 524,490)	631,626 (607,532 to 654,837)	872,426 (846,059 to 898,723)	146,932 (144,791 to 149,292)
	Death #, 2017	50,220 (47,664 to 53,069)	15,198 (14,418 to 16,038)	67,335 (63,938 to 71,155)	32,318 (30,548 to 34,111)	27,687 (26,742 to 28,718)	25,049 (24,392 to 25,732)	25,801 (24,744 to 26,924)	132,753 (126,104 to 140,203)	165,071 (156,636 to 174,276)	243,609 (233,632 to 254,463)	50,850 (49,235 to 52,406)
	% change 1990-2017	**-83.3% (-84.5% to -82.1%)#**	**-87.6% (-88.5% to -86.6%)#**	**-88.7% (-89.5% to -87.8%)#**	**-89.2% (-90.0% to -88.3%)#**	**-79.9% (-80.8% to -78.8%)#**	**-67.3% (-68.5% to -66.1%)#**	**-73.8% (-75.1% to -72.5%)#**	**-87.0% (-87.9% to -86.0%)#**	**-87.5% (-88.3% to -86.5%)#**	**-85.0% (-86.0% to -84.1%)#**	**-71.0% (-72.1% to -69.8%)#**
	% change 2000-2017	**-72.4% (-74.0% to -70.6%)#**	**-74.3% (-75.8% to -72.7%)#**	**-74.6% (-76.2% to -73.0%)#**	**-74.2% (-76.0% to -72.5%)#**	**-70.5% (-71.7% to -69.2%)#**	**-69.3% (-70.3% to -68.4%)#**	**-60.5% (-62.3% to -58.6%)#**	**-73.8% (-75.3% to -72.1%)#**	**-73.9% (-75.4% to -72.2%)#**	**-72.1% (-73.4% to -70.7%)#**	**-65.4% (-66.6% to -64.2%)#**
N Korea	Death #, 1990	3,199 (2,447 to 4,142)	1,174 (901 to 1,520)	4,557 (3,497 to 5,878)	2,246 (1,732 to 2,901)	867 (756 to 1,011)	695 (622 to 800)	1,458 (1,264 to 1,747)	8,930 (6,847 to 11,534)	11,176 (8,575 to 14,417)	14,196 (11,458 to 17,679)	2,153 (1,904 to 2,487)
	Death #, 2000	4,028 (3,104 to 5,153)	1,336 (1,032 to 1,705)	31,306 (28,299 to 34,543)	16,907 (16,233 to 17,740)	2,946 (2,784 to 3,137)	1,736 (1,631 to 1,874)	2,145 (1,968 to 2,429)	36,670 (32,775 to 40,606)	53,576 (49,248 to 58,055)	60,403 (55,958 to 65,047)	3,881 (3,606 to 4,285)
	Death #, 2017	2,186 (1,659 to 2,915)	635 (484 to 844)	2,552 (1,943 to 3,390)	1,273 (967 to 1,672)	624 (535 to 704)	655 (586 to 722)	1,812 (1,431 to 2,089)	5,373 (4,086 to 7,150)	6,646 (5,054 to 8,826)	9,737 (8,089 to 11,877)	2,467 (2,046 to 2,787)
	% change 1990-2017	**-31.7% (-46.9% to -10.8%)#**	**-45.9% (-57.9% to -29.8%)#**	**-44.0% (-56.0% to -27.6%)#**	**-43.3% (-54.2% to -29.2%)#**	**-28.0% (-41.1% to -12.9%)#**	-5.8% (-20.6% to 9.5%)	24.3% (-8.6% to 54.0%)	**-39.8% (-52.9% to -21.9%)#**	**-40.5% (-53.1% to -23.3%)#**	**-31.4% (-43.6% to -16.9%)#**	14.6% (-11.0% to 37.7%)
	% change 2000-2017	**-45.7% (-59.3% to -27.1%)#**	**-52.5% (-64.3% to -36.4%)#**	**-91.8% (-93.8% to -89.1%)#**	**-92.5% (-94.2% to -90.2%)#**	**-78.8% (-81.6% to -76.1%)#**	**-62.2% (-66.3% to -58.0%)#**	-15.5% (-33.0% to 0.8%)	**-85.3% (-88.8% to -80.6%)#**	**-87.6% (-90.4% to -83.7%)#**	**-83.9% (-86.4% to -80.5%)#**	**-36.4% (-47.2% to -26.6%)#**

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Taiwan	Death #, 1990	342 (302 to 385)	267 (230 to 304)	1,151 (1,050 to 1,253)	984 (863 to 1,115)	676 (658 to 695)	728 (718 to 740)	1,737 (1,725 to 1,748)	1,760 (1,621 to 1,895)	2,744 (2,654 to 2,836)	5,885 (5,759 to 6,015)	2,465 (2,445 to 2,487)
	Death #, 2000	704 (637 to 773)	289 (254 to 325)	695 (616 to 776)	573 (519 to 634)	321 (312 to 330)	350 (345 to 355)	1,217 (1,209 to 1,226)	1,687 (1,579 to 1,803)	2,261 (2,171 to 2,352)	4,149 (4,039 to 4,259)	1,567 (1,554 to 1,580)
	Death #, 2017	345 (272 to 426)	99 (75 to 127)	262 (211 to 318)	178 (135 to 235)	107 (98 to 116)	137 (130 to 145)	474 (450 to 500)	706 (563 to 866)	884 (750 to 1,033)	1,602 (1,454 to 1,765)	611 (583 to 643)
	% change 1990-2017	0.9% (-22.2% to 28.0%)	**-63.0% (-72.6% to -50.5%)#**	**-77.3% (-82.1% to -71.7%)#**	**-81.9% (-86.5% to -75.2%)#**	**-84.2% (-85.6% to -82.8%)#**	**-81.2% (-82.1% to -80.1%)#**	**-72.7% (-74.1% to -71.2%)#**	**-59.9% (-68.2% to -50.3%)#**	**-67.8% (-72.7% to -62.1%)#**	**-72.8% (-75.4% to -69.9%)#**	**-75.2% (-76.4% to -73.9%)#**
	% change 2000-2017	**-51.0% (-62.0% to -37.8%)#**	**-65.7% (-75.0% to -54.2%)#**	**-62.3% (-69.8% to -53.1%)#**	**-68.9% (-76.6% to -58.7%)#**	**-66.8% (-69.6% to -63.6%)#**	**-60.8% (-62.8% to -58.7%)#**	**-61.1% (-63.1% to -58.9%)#**	**-58.2% (-67.0% to -48.4%)#**	**-60.9% (-66.9% to -54.2%)#**	**-61.4% (-65.2% to -57.4%)#**	**-61.0% (-62.9% to -59.0%)#**
Oceania	Death #, 1990	3,630 (3,179 to 4,146)	1,250 (1,093 to 1,432)	4,138 (3,610 to 4,751)	3,875 (3,373 to 4,448)	1,082 (992 to 1,173)	803 (744 to 862)	1,554 (1,417 to 1,682)	9,018 (7,892 to 10,331)	12,892 (11,283 to 14,793)	16,331 (14,602 to 18,286)	2,357 (2,161 to 2,539)
	% of global total, 1990	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.2% (0.2% to 0.2%)	0.2% (0.2% to 0.2%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.1% (0.1% to 0.1%)	0.2% (0.2% to 0.2%)
	Death #, 2000	4,294 (3,623 to 5,027)	1,783 (1,505 to 2,089)	4,743 (3,999 to 5,566)	4,288 (3,647 to 4,978)	1,261 (1,138 to 1,377)	938 (855 to 1,020)	1,855 (1,673 to 2,031)	10,819 (9,129 to 12,686)	15,107 (12,765 to 17,671)	19,161 (16,605 to 21,846)	2,793 (2,525 to 3,043)
	% of global total, 2000	0.2% (0.1% to 0.2%)	0.2% (0.2% to 0.2%)	0.1% (0.1% to 0.2%)	0.1% (0.1% to 0.2%)	0.2% (0.2% to 0.2%)	0.2% (0.2% to 0.2%)	0.3% (0.2% to 0.3%)	0.2% (0.1% to 0.2%)	0.2% (0.1% to 0.2%)	0.2% (0.1% to 0.2%)	0.2% (0.2% to 0.3%)
	Death #, 2017	4,642 (3,658 to 5,884)	2,099 (1,649 to 2,658)	5,090 (3,973 to 6,471)	4,199 (3,307 to 5,326)	1,482 (1,310 to 1,678)	1,108 (1,001 to 1,235)	2,438 (2,159 to 2,734)	11,831 (9,281 to 15,002)	16,030 (12,600 to 20,289)	21,058 (17,256 to 25,689)	3,546 (3,162 to 3,961)
	% of global total, 2017	0.2% (0.2% to 0.3%)	0.4% (0.3% to 0.5%)	0.3% (0.2% to 0.4%)	0.3% (0.2% to 0.4%)	0.4% (0.3% to 0.4%)	0.3% (0.3% to 0.4%)	0.5% (0.4% to 0.5%)	0.3% (0.2% to 0.4%)	0.3% (0.2% to 0.4%)	0.3% (0.3% to 0.4%)	0.4% (0.4% to 0.5%)
	% change 1990-2017	27.9% (-3.1% to 66.7%)	**67.9% (26.5% to 119.3%)#**	23.0% (-7.9% to 61.1%)	8.4% (-18.2% to 41.0%)	**37.0% (18.5% to 57.4%)#**	**38.0% (22.7% to 54.5%)#**	**56.9% (38.0% to 77.3%)#**	31.2% (-1.2% to 71.5%)	24.3% (-6.1% to 62.5%)	**28.9% (2.6% to 60.9%)#**	**50.4% (33.4% to 68.8%)#**
	% change 2000-2017	8.1% (-15.3% to 37.1%)	17.7% (-8.0% to 49.9%)	7.3% (-16.5% to 37.4%)	-2.1% (-22.8% to 24.3%)	**17.6% (3.2% to 33.6%)#**	**18.1% (6.1% to 31.7%)#**	**31.4% (17.6% to 46.1%)#**	9.4% (-14.6% to 39.5%)	6.1% (-16.9% to 35.3%)	9.9% (-10.3% to 33.5%)	**26.9% (14.4% to 40.3%)#**
Am Samoa	Death #, 1990	11 (9 to 12)	3 (2 to 5)	7 (6 to 8)	6 (4 to 8)	2 (2 to 3)	2 (2 to 2)	5 (4 to 5)	21 (18 to 24)	27 (23 to 32)	36 (31 to 41)	6 (6 to 7)
	Death #, 2000	9 (7 to 11)	3 (2 to 4)	7 (6 to 8)	5 (4 to 6)	2 (2 to 3)	2 (2 to 2)	5 (4 to 6)	19 (16 to 22)	24 (20 to 28)	33 (29 to 38)	7 (6 to 8)
	Death #, 2017	3 (3 to 4)	2 (1 to 2)	4 (3 to 5)	3 (1 to 4)	1 (1 to 2)	2 (2 to 2)	5 (4 to 6)	9 (7 to 11)	12 (8 to 16)	19 (16 to 24)	6 (6 to 7)
	% change 1990-2017	**-67.5% (-75.5% to -57.2%)#**	-45.2% (-70.0% to 3.9%)	**-46.5% (-59.6% to -31.9%)#**	**-57.4% (-77.7% to -18.9%)#**	**-36.6% (-47.1% to -22.6%)#**	-11.5% (-22.1% to 2.4%)	4.7% (-7.9% to 24.8%)	**-57.1% (-67.8% to -44.8%)#**	**-57.1% (-69.8% to -40.8%)#**	**-45.5% (-57.3% to -29.1%)#**	-0.1% (-11.5% to 17.3%)
	% change 2000-2017	**-60.9% (-69.8% to -49.2%)#**	**-39.9% (-59.5% to -11.1%)#**	**-45.1% (-57.2% to -29.4%)#**	**-49.2% (-73.0% to -8.8%)#**	**-36.7% (-46.6% to -24.7%)#**	**-20.3% (-29.2% to -7.2%)#**	-6.6% (-18.9% to 15.3%)	**-51.9% (-62.6% to -38.8%)#**	**-51.3% (-64.5% to -32.4%)#**	**-41.4% (-53.1% to -24.5%)#**	-10.7% (-21.4% to 8.1%)
Micronesia	Death #, 1990	44 (36 to 54)	14 (11 to 17)	45 (36 to 55)	32 (26 to 38)	13 (11 to 15)	10 (9 to 11)	18 (16 to 20)	103 (83 to 126)	134 (108 to 164)	175 (147 to 207)	28 (25 to 31)
	Death #, 2000	28 (22 to 34)	11 (9 to 13)	32 (28 to 37)	22 (18 to 25)	10 (9 to 12)	9 (8 to 10)	18 (16 to 20)	71 (59 to 84)	93 (78 to 109)	130 (112 to 150)	27 (24 to 29)
	Death #, 2017	13 (10 to 17)	5 (4 to 7)	11 (8 to 14)	8 (6 to 10)	5 (4 to 6)	5 (5 to 6)	13 (11 to 15)	29 (22 to 37)	37 (28 to 47)	60 (50 to 73)	18 (16 to 20)
	% change 1990-2017	**-70.8% (-78.8% to -60.0%)#**	**-60.1% (-71.0% to -45.2%)#**	**-76.3% (-82.7% to -67.6%)#**	**-74.9% (-81.3% to -66.3%)#**	**-58.4% (-66.8% to -49.6%)#**	**-48.1% (-56.0% to -39.1%)#**	**-29.4% (-40.5% to -16.4%)#**	**-71.8% (-79.5% to -61.3%)#**	**-72.5% (-80.0% to -62.5%)#**	**-65.6% (-73.1% to -55.9%)#**	**-36.0% (-45.7% to -25.0%)#**
	% change 2000-2017	**-53.0% (-64.7% to -37.8%)#**	**-50.5% (-62.6% to -35.1%)#**	**-67.2% (-74.7% to -57.7%)#**	**-63.2% (-71.4% to -52.9%)#**	**-48.3% (-57.6% to -38.4%)#**	**-40.9% (-49.0% to -31.7%)#**	**-28.9% (-38.2% to -18.1%)#**	**-59.1% (-68.7% to -46.7%)#**	**-60.0% (-69.3% to -48.2%)#**	**-53.5% (-61.7% to -43.3%)#**	**-32.8% (-41.6% to -22.5%)#**
Fiji	Death #, 1990	229 (187 to 281)	61 (50 to 75)	178 (145 to 217)	142 (113 to 174)	65 (56 to 74)	50 (46 to 55)	84 (77 to 93)	469 (382 to 573)	610 (500 to 740)	809 (685 to 954)	135 (123 to 147)
	Death #, 2000	203 (165 to 248)	73 (59 to 89)	153 (125 to 188)	137 (111 to 170)	71 (63 to 80)	64 (60 to 68)	102 (99 to 104)	429 (349 to 524)	567 (465 to 689)	804 (688 to 941)	166 (160 to 172)
	Death #, 2017	155 (110 to 214)	64 (46 to 88)	121 (86 to 167)	121 (86 to 166)	51 (44 to 58)	46 (42 to 51)	71 (63 to 80)	340 (242 to 470)	461 (328 to 636)	629 (483 to 815)	117 (106 to 130)
	% change 1990-2017	-32.4% (-54.5% to 1.3%)	4.3% (-29.9% to 56.2%)	-31.9% (-54.1% to 2.0%)	-14.7% (-41.8% to 27.5%)	**-21.7% (-35.7% to -3.5%)#**	-8.1% (-19.1% to 5.2%)	**-15.5% (-27.8% to -1.9%)#**	-27.4% (-51.1% to 8.7%)	-24.4% (-48.6% to 12.1%)	-22.3% (-42.5% to 8.1%)	-12.8% (-23.5% to 0.3%)
	% change 2000-2017	-23.7% (-46.5% to 9.3%)	-12.1% (-38.3% to 25.6%)	-20.9% (-44.6% to 13.1%)	-11.9% (-39.2% to 25.9%)	**-29.2% (-39.8% to -15.7%)#**	**-27.5% (-34.6% to -19.0%)#**	**-30.0% (-38.0% to -21.6%)#**	-20.8% (-44.5% to 13.4%)	-18.6% (-42.5% to 15.7%)	-21.7% (-40.2% to 3.0%)	**-29.1% (-36.2% to -21.1%)#**
Guam	Death #, 1990	18 (15 to 22)	4 (3 to 5)	15 (13 to 18)	7 (6 to 8)	4 (4 to 4)	5 (5 to 5)	11 (11 to 12)	38 (33 to 42)	44 (39 to 50)	64 (59 to 71)	16 (15 to 17)
	Death #, 2000	14 (12 to 17)	5 (4 to 6)	13 (11 to 15)	6 (5 to 8)	4 (4 to 4)	4 (4 to 4)	11 (10 to 11)	32 (28 to 36)	38 (33 to 43)	57 (52 to 63)	15 (14 to 16)
	Death #, 2017	17 (14 to 21)	6 (5 to 8)	15 (12 to 18)	6 (5 to 8)	4 (3 to 4)	3 (3 to 4)	13 (12 to 14)	38 (31 to 47)	44 (36 to 54)	64 (55 to 75)	16 (15 to 18)
	% change 1990-2017	-4.0% (-21.7% to 20.0%)	**50.5% (3.8% to 126.3%)#**	-4.3% (-26.2% to 22.6%)	-10.7% (-33.4% to 16.2%)	-12.4% (-25.1% to 1.6%)	**-27.5% (-33.5% to -21.0%)#**	**15.1% (6.2% to 24.6%)#**	1.9% (-17.9% to 26.1%)	0.0% (-19.2% to 24.0%)	-0.2% (-15.0% to 18.0%)	2.3% (-4.8% to 10.3%)
	% change 2000-2017	22.5% (-3.1% to 53.1%)	24.9% (-1.4% to 59.3%)	14.2% (-12.1% to 47.7%)	-2.1% (-28.8% to 38.3%)	-12.0% (-24.7% to 2.3%)	**-18.1% (-25.0% to -10.9%)#**	**19.8% (10.1% to 29.9%)#**	19.6% (-3.9% to 50.0%)	16.1% (-7.8% to 46.3%)	12.2% (-5.7% to 34.2%)	**9.0% (0.7% to 17.9%)#**
Kiribati	Death #, 1990	54 (46 to 64)	20 (17 to 23)	72 (57 to 88)	74 (56 to 98)	13 (12 to 14)	8 (7 to 9)	14 (13 to 15)	146 (125 to 169)	220 (186 to 259)	255 (218 to 296)	22 (21 to 23)
	Death #, 2000	46 (37 to 56)	17 (14 to 21)	57 (47 to 68)	56 (44 to 71)	14 (13 to 15)	10 (9 to 11)	18 (17 to 19)	119 (99 to 144)	176 (147 to 209)	218 (189 to 252)	28 (26 to 30)
	Death #, 2017	42 (32 to 54)	15 (11 to 19)	45 (35 to 58)	36 (28 to 46)	13 (11 to 15)	9 (8 to 10)	18 (15 to 21)	101 (79 to 130)	137 (106 to 176)	177 (143 to 217)	27 (23 to 30)
	% change 1990-2017	-22.6% (-42.8% to 2.9%)	**-27.0% (-46.0% to -4.5%)#**	**-37.9% (-54.4% to -15.1%)#**	**-51.5% (-66.2% to -29.8%)#**	-0.8% (-14.7% to 16.3%)	11.1% (-2.8% to 26.5%)	**28.0% (7.8% to 48.4%)#**	**-30.7% (-47.8% to -9.4%)#**	**-37.7% (-53.1% to -17.6%)#**	**-30.7% (-45.4% to -12.6%)#**	**21.9% (5.1% to 40.6%)#**
	% change 2000-2017	-8.0% (-33.2% to 25.5%)	-14.3% (-37.5% to 16.6%)	-21.2% (-41.9% to 5.5%)	**-36.0% (-53.5% to -12.3%)#**	-9.6% (-21.5% to 3.8%)	**-12.2% (-21.2% to -1.6%)#**	0.8% (-13.3% to 14.7%)	-15.2% (-38.0% to 14.3%)	-21.9% (-41.9% to 4.3%)	-18.8% (-36.3% to 2.7%)	-3.9% (-15.8% to 8.1%)
Marshall	Death #, 1990	17 (15 to 20)	5 (5 to 6)	15 (13 to 17)	12 (10 to 14)	5 (5 to 6)	4 (4 to 4)	8 (7 to 8)	38 (33 to 42)	50 (45 to 55)	67 (61 to 73)	12 (11 to 12)
	Death #, 2000	18 (15 to 21)	7 (6 to 8)	19 (16 to 22)	12 (9 to 16)	5 (4 to 5)	5 (5 to 5)	12 (11 to 13)	43 (37 to 51)	56 (48 to 64)	78 (69 to 87)	17 (16 to 18)
	Death #, 2017	10 (7 to 14)	4 (3 to 6)	8 (6 to 11)	6 (4 to 9)	3 (3 to 4)	3 (3 to 4)	8 (7 to 9)	22 (16 to 30)	28 (22 to 36)	43 (35 to 52)	11 (10 to 12)
	% change 1990-2017	**-42.2% (-58.4% to -21.1%)#**	-19.6% (-42.3% to 10.1%)	**-48.5% (-63.0% to -29.5%)#**	**-47.4% (-63.7% to -24.6%)#**	**-36.4% (-45.9% to -26.3%)#**	**-18.3% (-27.7% to -8.0%)#**	1.4% (-11.6% to 15.2%)	**-41.6% (-58.0% to -20.3%)#**	**-43.1% (-56.2% to -25.8%)#**	**-35.8% (-47.5% to -20.7%)#**	-5.3% (-16.4% to 6.6%)
	% change 2000-2017	**-43.9% (-60.6% to -20.8%)#**	**-40.4% (-58.0% to -16.1%)#**	**-58.4% (-70.5% to -42.1%)#**	**-48.4% (-65.4% to -22.9%)#**	**-32.1% (-42.6% to -20.3%)#**	**-35.4% (-43.0% to -27.0%)#**	**-34.3% (-42.3% to -26.1%)#**	**-49.6% (-64.5% to -29.3%)#**	**-49.3% (-61.8% to -32.9%)#**	**-45.0% (-56.2% to -31.9%)#**	**-34.6% (-42.3% to -27.0%)#**
	Death #, 1990	3 (2 to 4)	1 (1 to 2)	2 (1 to 3)	2 (1 to 3)	1 (1 to 1)	1 (1 to 1)	3 (2 to 3)	6 (5 to 8)	9 (7 to 11)	13 (11 to 16)	4 (3 to 4)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
N Mariana	Death #, 2000	4 (3 to 5)	2 (2 to 3)	2 (2 to 3)	2 (2 to 3)	1 (1 to 1)	1 (1 to 1)	2 (2 to 3)	8 (7 to 10)	11 (9 to 14)	15 (13 to 18)	3 (3 to 4)
	Death #, 2017	1 (1 to 2)	1 (0 to 1)	1 (0 to 1)	1 (1 to 1)	0 (0 to 1)	1 (1 to 1)	3 (3 to 4)	2 (2 to 3)	3 (2 to 4)	8 (6 to 9)	4 (3 to 4)
	% change 1990-2017	**-64.1% (-79.0% to -38.7%)#**	**-58.6% (-65.3% to -51.2%)#**	**-70.7% (-80.3% to -55.1%)#**	**-51.2% (-62.9% to -34.2%)#**	**-35.8% (-48.8% to -17.9%)#**	**-21.2% (-34.1% to -4.0%)#**	14.7% (-5.2% to 38.5%)	**-64.8% (-75.4% to -48.6%)#**	**-61.4% (-71.8% to -46.5%)#**	**-41.1% (-53.5% to -24.8%)#**	6.4% (-11.9% to 27.8%)
	% change 2000-2017	**-73.3% (-82.8% to -60.5%)#**	**-73.6% (-79.5% to -66.2%)#**	**-73.5% (-80.9% to -63.1%)#**	**-56.7% (-66.5% to -42.9%)#**	**-48.8% (-56.9% to -37.2%)#**	**-23.7% (-36.0% to -10.0%)#**	**35.2% (12.3% to 59.1%)#**	**-73.4% (-80.2% to -64.8%)#**	**-69.8% (-76.6% to -60.5%)#**	**-49.5% (-58.0% to -39.1%)#**	19.5% (-0.2% to 39.4%)
PNG	Death #, 1990	2,707 (2,301 to 3,193)	964 (819 to 1,135)	3,240 (2,756 to 3,807)	3,105 (2,649 to 3,627)	824 (743 to 909)	603 (549 to 655)	1,181 (1,057 to 1,301)	6,911 (5,857 to 8,137)	10,016 (8,534 to 11,757)	12,624 (11,025 to 14,502)	1,784 (1,604 to 1,951)
	Death #, 2000	3,379 (2,745 to 4,069)	1,433 (1,170 to 1,722)	3,874 (3,172 to 4,646)	3,537 (2,945 to 4,184)	988 (874 to 1,098)	717 (638 to 794)	1,428 (1,255 to 1,592)	8,686 (7,089 to 10,440)	12,223 (10,036 to 14,660)	15,355 (13,008 to 17,875)	2,145 (1,898 to 2,382)
	Death #, 2017	3,853 (2,919 to 5,024)	1,765 (1,336 to 2,293)	4,367 (3,298 to 5,669)	3,589 (2,739 to 4,657)	1,233 (1,068 to 1,417)	907 (806 to 1,027)	2,022 (1,754 to 2,304)	9,985 (7,556 to 12,988)	13,574 (10,274 to 17,617)	17,736 (14,124 to 22,157)	2,929 (2,568 to 3,323)
	% change 1990-2017	**42.4% (2.1% to 93.8%)#**	**83.1% (31.5% to 149.0%)#**	34.8% (-2.8% to 82.7%)	15.6% (-15.7% to 55.0%)	**49.8% (26.2% to 75.6%)#**	**50.4% (30.6% to 71.7%)#**	**71.2% (47.6% to 97.4%)#**	**44.5% (3.9% to 96.3%)#**	35.5% (-2.0% to 83.5%)	**40.5% (7.8% to 79.8%)#**	**64.2% (42.6% to 87.5%)#**
	% change 2000-2017	14.0% (-14.5% to 51.2%)	23.2% (-7.1% to 62.5%)	12.7% (-14.8% to 48.5%)	1.5% (-22.4% to 32.4%)	**24.9% (7.3% to 44.4%)#**	**26.5% (11.5% to 43.3%)#**	**41.6% (24.3% to 59.9%)#**	15.0% (-13.4% to 51.5%)	11.1% (-16.0% to 46.1%)	15.5% (-8.3% to 43.8%)	**36.5% (21.0% to 53.5%)#**
Samoa	Death #, 1990	30 (23 to 38)	9 (7 to 11)	22 (17 to 28)	23 (17 to 31)	13 (11 to 15)	14 (12 to 15)	21 (19 to 23)	60 (46 to 77)	83 (64 to 107)	131 (108 to 158)	35 (32 to 38)
	Death #, 2000	27 (19 to 35)	10 (7 to 13)	20 (15 to 27)	21 (15 to 28)	10 (9 to 12)	9 (8 to 10)	19 (17 to 21)	57 (41 to 76)	78 (58 to 101)	116 (93 to 142)	28 (25 to 31)
	Death #, 2017	23 (18 to 28)	10 (8 to 12)	20 (16 to 25)	19 (15 to 23)	7 (6 to 9)	7 (6 to 8)	17 (14 to 20)	52 (41 to 65)	71 (56 to 88)	102 (84 to 123)	24 (21 to 27)
	% change 1990-2017	**-24.1% (-40.8% to -1.8%)#**	13.5% (-11.8% to 47.0%)	-9.3% (-29.2% to 17.4%)	-18.3% (-38.6% to 9.4%)	**-44.4% (-55.8% to -28.8%)#**	**-48.7% (-56.5% to -40.6%)#**	**-20.2% (-34.7% to -3.4%)#**	-13.4% (-32.5% to 12.0%)	-14.7% (-33.5% to 10.3%)	**-22.1% (-35.6% to -4.0%)#**	**-31.3% (-42.2% to -18.6%)#**
	% change 2000-2017	-14.6% (-34.8% to 14.9%)	0.5% (-23.5% to 34.9%)	-2.5% (-25.8% to 30.9%)	-9.7% (-33.5% to 27.1%)	**-29.0% (-43.1% to -10.7%)#**	**-23.8% (-34.0% to -11.5%)#**	-12.6% (-27.8% to 6.2%)	-7.7% (-29.8% to 23.7%)	-8.2% (-28.6% to 18.6%)	-12.0% (-28.1% to 9.2%)	**-16.1% (-28.9% to -0.7%)#**
Solomon	Death #, 1990	193 (152 to 238)	60 (48 to 75)	197 (156 to 243)	154 (124 to 188)	47 (41 to 54)	35 (32 to 40)	69 (61 to 78)	450 (356 to 556)	604 (481 to 745)	755 (626 to 901)	104 (93 to 117)
	Death #, 2000	206 (163 to 255)	77 (61 to 95)	190 (151 to 233)	154 (125 to 187)	49 (43 to 55)	38 (34 to 42)	79 (73 to 87)	473 (375 to 582)	627 (500 to 769)	793 (656 to 946)	117 (107 to 129)
	Death #, 2017	175 (138 to 220)	72 (57 to 90)	141 (112 to 176)	116 (93 to 145)	51 (44 to 59)	40 (36 to 45)	85 (75 to 95)	388 (306 to 486)	504 (401 to 630)	680 (562 to 821)	125 (112 to 139)
	% change 1990-2017	-9.2% (-30.0% to 18.2%)	19.1% (-8.2% to 54.7%)	**-28.5% (-44.7% to -7.3%)#**	**-24.8% (-41.1% to -2.8%)#**	9.9% (-9.9% to 31.3%)	13.8% (-2.5% to 31.3%)	**22.9% (5.6% to 44.0%)#**	-13.8% (-33.5% to 11.9%)	-16.6% (-35.3% to 7.9%)	-9.9% (-27.8% to 11.7%)	**19.8% (2.9% to 38.9%)#**
	% change 2000-2017	-15.1% (-33.9% to 11.0%)	-6.4% (-26.8% to 22.0%)	**-26.0% (-42.2% to -3.6%)#**	**-24.8% (-40.6% to -3.4%)#**	5.8% (-11.3% to 23.5%)	6.4% (-6.7% to 20.9%)	6.8% (-6.7% to 21.6%)	-18.1% (-36.0% to 6.9%)	-19.7% (-37.2% to 4.4%)	-14.2% (-30.2% to 6.9%)	6.7% (-6.6% to 21.0%)
Tonga	Death #, 1990	21 (17 to 26)	6 (5 to 8)	16 (13 to 19)	19 (14 to 24)	6 (5 to 7)	5 (5 to 6)	12 (10 to 13)	43 (35 to 53)	62 (50 to 77)	85 (72 to 101)	17 (16 to 18)
	Death #, 2000	18 (15 to 22)	7 (5 to 8)	13 (11 to 16)	16 (12 to 20)	6 (5 to 6)	5 (5 to 5)	11 (11 to 12)	38 (31 to 46)	54 (43 to 66)	76 (64 to 88)	16 (16 to 17)
	Death #, 2017	11 (9 to 15)	5 (4 to 6)	9 (7 to 12)	10 (8 to 13)	4 (3 to 5)	4 (4 to 5)	10 (9 to 11)	25 (20 to 33)	36 (28 to 46)	54 (44 to 66)	14 (12 to 15)
	% change 1990-2017	**-46.6% (-58.9% to -29.7%)#**	-21.8% (-40.0% to 3.1%)	**-41.2% (-54.7% to -22.3%)#**	**-44.4% (-57.5% to -24.3%)#**	**-32.1% (-48.0% to -13.3%)#**	**-25.1% (-36.5% to -13.3%)#**	-14.8% (-28.4% to 0.2%)	**-41.1% (-54.8% to -22.4%)#**	**-42.1% (-55.3% to -23.7%)#**	**-36.5% (-48.7% to -21.0%)#**	**-18.1% (-29.9% to -6.2%)#**
	% change 2000-2017	**-37.4% (-53.2% to -17.2%)#**	**-26.4% (-44.9% to -2.6%)#**	**-30.0% (-47.5% to -7.7%)#**	**-34.7% (-51.8% to -10.1%)#**	**-22.9% (-39.1% to -4.1%)#**	**-15.7% (-26.5% to -3.0%)#**	**-12.8% (-26.2% to -0.4%)#**	**-33.0% (-49.8% to -11.2%)#**	**-33.5% (-49.7% to -11.7%)#**	**-28.4% (-43.0% to -10.5%)#**	**-13.7% (-25.2% to -3.2%)#**
Vanuatu	Death #, 1990	63 (49 to 80)	19 (15 to 24)	56 (44 to 71)	43 (34 to 54)	18 (16 to 21)	13 (11 to 15)	25 (21 to 30)	138 (108 to 175)	182 (142 to 228)	238 (193 to 292)	38 (32 to 45)
	Death #, 2000	71 (56 to 89)	26 (21 to 33)	62 (49 to 77)	48 (38 to 60)	21 (17 to 24)	15 (13 to 18)	32 (26 to 38)	159 (126 to 199)	208 (164 to 259)	275 (223 to 336)	47 (39 to 55)
	Death #, 2017	82 (61 to 112)	34 (26 to 46)	70 (53 to 94)	53 (40 to 69)	27 (21 to 32)	19 (15 to 23)	39 (31 to 49)	187 (140 to 252)	239 (180 to 321)	324 (247 to 425)	58 (47 to 72)
	% change 1990-2017	29.8% (-9.0% to 88.9%)	**81.4% (28.0% to 162.9%)#**	24.7% (-12.1% to 79.7%)	21.4% (-11.7% to 68.8%)	**47.5% (16.1% to 86.2%)#**	**49.5% (18.3% to 89.6%)#**	**53.5% (21.3% to 99.8%)#**	34.7% (-5.2% to 95.2%)	31.5% (-6.9% to 89.1%)	**36.1% (0.2% to 88.9%)#**	**52.2% (19.7% to 95.7%)#**
	% change 2000-2017	15.6% (-15.8% to 58.6%)	30.7% (-4.3% to 78.8%)	13.1% (-17.4% to 55.7%)	9.0% (-19.2% to 46.5%)	**28.3% (3.8% to 56.7%)#**	**26.0% (3.6% to 53.9%)#**	**23.6% (2.1% to 53.9%)#**	17.1% (-14.5% to 60.9%)	15.2% (-15.6% to 58.2%)	17.8% (-10.7% to 55.7%)	**24.4% (2.9% to 53.9%)#**
Southeast Asia	Death #, 1990	246,289 (231,873 to 262,638)	98,840 (94,289 to 104,094)	308,866 (296,500 to 321,792)	248,103 (235,460 to 260,399)	67,456 (65,780 to 69,287)	43,150 (42,301 to 44,116)	63,316 (61,823 to 65,160)	653,994 (627,348 to 684,056)	902,097 (869,766 to 938,327)	1,076,019 (1,040,713 to 1,113,774)	106,466 (104,295 to 109,198)
	% of global total, 1990	8.1% (7.6% to 8.6%)	7.8% (7.4% to 8.3%)	8.0% (7.7% to 8.4%)	6.9% (6.5% to 7.2%)	7.9% (7.7% to 8.1%)	9.2% (9.1% to 9.4%)	9.4% (9.2% to 9.7%)	8.0% (7.7% to 8.4%)	7.7% (7.4% to 8.0%)	7.8% (7.6% to 8.1%)	9.3% (9.1% to 9.6%)
	Death #, 2000	203,065 (193,146 to 214,232)	59,176 (56,372 to 62,100)	207,313 (197,679 to 218,217)	132,387 (124,481 to 140,793)	47,646 (46,373 to 49,038)	35,138 (34,466 to 35,863)	59,169 (57,839 to 60,530)	469,554 (452,322 to 489,664)	601,941 (580,543 to 625,306)	743,893 (720,865 to 769,088)	94,306 (92,456 to 96,322)
	% of global total, 2000	7.4% (7.0% to 7.8%)	6.5% (6.1% to 6.8%)	6.7% (6.4% to 7.1%)	4.5% (4.2% to 4.8%)	6.8% (6.6% to 7.0%)	7.3% (7.1% to 7.4%)	8.7% (8.5% to 8.9%)	7.0% (6.7% to 7.2%)	6.2% (6.0% to 6.5%)	6.4% (6.2% to 6.7%)	8.1% (8.0% to 8.3%)
	Death #, 2017	106,980 (99,051 to 114,804)	25,854 (23,926 to 27,805)	83,001 (73,854 to 94,267)	52,696 (48,902 to 57,157)	27,788 (26,508 to 29,168)	24,054 (23,295 to 24,866)	47,593 (45,706 to 49,578)	215,835 (200,800 to 232,909)	268,531 (249,600 to 290,121)	367,966 (347,067 to 390,377)	71,646 (69,220 to 74,195)
	% of global total, 2017	5.8% (5.3% to 6.2%)	5.1% (4.7% to 5.5%)	5.1% (4.6% to 5.8%)	3.8% (3.4% to 4.1%)	6.7% (6.4% to 7.1%)	7.5% (7.3% to 7.8%)	9.2% (8.9% to 9.6%)	5.4% (5.0% to 5.8%)	5.0% (4.6% to 5.4%)	5.5% (5.2% to 5.9%)	8.6% (8.3% to 8.9%)
	% change 1990-2017	**-56.6% (-60.5% to -52.3%)#**	**-73.8% (-75.9% to -71.6%)#**	**-73.1% (-76.1% to -69.4%)#**	**-78.8% (-80.6% to -76.7%)#**	**-58.8% (-61.0% to -56.4%)#**	**-44.3% (-46.4% to -42.1%)#**	**-24.8% (-28.6% to -21.0%)#**	**-67.0% (-69.5% to -64.3%)#**	**-70.2% (-72.5% to -67.8%)#**	**-65.8% (-67.9% to -63.5%)#**	**-32.7% (-35.6% to -29.7%)#**
	% change 2000-2017	**-47.3% (-52.3% to -42.1%)#**	**-56.3% (-59.9% to -52.6%)#**	**-60.0% (-64.5% to -54.5%)#**	**-60.2% (-63.7% to -56.2%)#**	**-41.7% (-44.7% to -38.5%)#**	**-31.5% (-33.9% to -29.1%)#**	**-19.6% (-23.0% to -16.0%)#**	**-54.0% (-57.8% to -50.1%)#**	**-55.4% (-58.9% to -51.6%)#**	**-50.5% (-53.7% to -47.1%)#**	**-24.0% (-26.9% to -21.1%)#**
Cambodia	Death #, 1990	11,536 (10,020 to 13,211)	6,142 (5,619 to 6,729)	19,461 (18,031 to 20,945)	13,169 (11,851 to 14,622)	2,521 (2,381 to 2,688)	1,380 (1,306 to 1,469)	1,872 (1,750 to 2,004)	37,139 (34,109 to 40,328)	50,309 (46,992 to 53,584)	56,082 (52,617 to 59,541)	3,252 (3,056 to 3,475)
	Death #, 2000	8,503 (7,474 to 9,586)	3,049 (2,773 to 3,342)	15,229 (13,960 to 16,585)	6,626 (5,401 to 8,023)	2,194 (2,059 to 2,336)	1,499 (1,416 to 1,586)	2,166 (2,037 to 2,303)	26,782 (24,462 to 29,304)	33,408 (30,503 to 36,558)	39,267 (36,135 to 42,665)	3,665 (3,464 to 3,885)
	Death #, 2017	4,877 (3,818 to 6,195)	1,195 (928 to 1,529)	3,804 (2,972 to 4,823)	1,878 (1,477 to 2,376)	888 (773 to 1,029)	738 (655 to 840)	1,426 (1,228 to 1,694)	9,876 (7,718 to 12,546)	11,754 (9,207 to 14,901)	14,806 (12,247 to 18,039)	2,164 (1,892 to 2,506)
	% change 1990-2017	**-57.7% (-68.3% to -44.7%)#**	**-80.5% (-85.0% to -74.6%)#**	**-80.5% (-84.7% to -74.8%)#**	**-85.7% (-89.0% to -81.7%)#**	**-64.8% (-69.8% to -59.0%)#**	**-46.5% (-53.0% to -38.7%)#**	**-23.9% (-35.8% to -8.9%)#**	**-73.4% (-79.3% to -65.7%)#**	**-76.6% (-81.7% to -70.1%)#**	**-73.6% (-78.2% to -67.5%)#**	**-33.5% (-42.9% to -22.2%)#**
	% change 2000-2017	**-42.6% (-56.6% to -24.7%)#**	**-60.8% (-70.0% to -49.5%)#**	**-75.0% (-80.7% to -67.9%)#**	**-71.7% (-79.1% to -61.5%)#**	**-59.5% (-65.1% to -52.6%)#**	**-50.8% (-56.5% to -43.5%)#**	**-34.2% (-44.0% to -22.2%)#**	**-63.1% (-71.8% to -52.5%)#**	**-64.8% (-72.9% to -54.7%)#**	**-62.3% (-69.4% to -53.2%)#**	**-41.0% (-48.8% to -32.1%)#**
	Death #, 1990	100490 (97147 to 104414)	49353 (46503 to 52608)	141455 (137246 to 145678)	112291 (106703 to 117938)	25747 (25184 to 26385)	16827 (16518 to 17164)	24214 (23533 to 24933)	291298 (283643 to 299365)	403589 (394461 to 414084)	470377 (460773 to 481802)	41041 (40085 to 42091)
	Death #, 2000	94557 (90109 to 98845)	26971 (25717 to 28265)	87627 (84156 to 91307)	52108 (49813 to 54408)	16000 (15639 to 16373)	12683 (12487 to 12898)	21568 (21089 to 22083)	209155 (202600 to 215884)	261263 (253174 to 269436)	311513 (302988 to 320161)	34250 (33626 to 34936)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Indonesia	Death #, 2017	46292 (43155 to 49889)	10659 (9938 to 11484)	33194 (29367 to 37377)	19300 (18078 to 20697)	10482 (10044 to 10948)	9386 (9082 to 9702)	18476 (17533 to 19572)	90145 (84109 to 97004)	109446 (102157 to 117650)	147791 (140232 to 156435)	27863 (26733 to 29136)
	% change 1990-2017	**-53.9% (-57.4% to -50.1%)#**	**-78.4% (-80.3% to -76.3%)#**	**-76.5% (-79.3% to -73.5%)#**	**-82.8% (-84.1% to -81.3%)#**	**-59.3% (-61.2% to -57.1%)#**	**-44.2% (-46.4% to -41.9%)#**	**-23.7% (-28.4% to -18.4%)#**	**-69.0% (-71.3% to -66.4%)#**	**-72.9% (-74.8% to -70.7%)#**	**-68.6% (-70.4% to -66.6%)#**	**-32.1% (-35.5% to -28.4%)#**
	% change 2000-2017	**-51.0% (-54.9% to -46.6%)#**	**-60.5% (-63.7% to -56.7%)#**	**-62.1% (-66.6% to -56.9%)#**	**-63.0% (-65.6% to -59.8%)#**	**-34.5% (-37.3% to -31.2%)#**	**-26.0% (-28.5% to -23.4%)#**	**-14.3% (-19.1% to -9.2%)#**	**-56.9% (-60.1% to -53.4%)#**	**-58.1% (-61.0% to -54.9%)#**	**-52.6% (-55.2% to -49.5%)#**	**-18.6% (-22.2% to -14.7%)#**
Aceh	Death #, 1990	2,086 (1,806 to 2,387)	981 (762 to 1,220)	2,822 (2,520 to 3,151)	2,122 (1,744 to 2,513)	514 (474 to 573)	331 (308 to 360)	487 (434 to 545)	5,889 (5,215 to 6,622)	8,011 (7,218 to 8,932)	9,342 (8,504 to 10,352)	818 (745 to 901)
	Death #, 2000	2,077 (1,722 to 2,465)	584 (471 to 715)	1,882 (1,633 to 2,162)	1,082 (905 to 1,289)	366 (332 to 415)	305 (278 to 341)	559 (481 to 646)	4,542 (3,976 to 5,216)	5,624 (4,932 to 6,414)	6,854 (6,116 to 7,708)	864 (760 to 986)
	Death #, 2017	1,104 (858 to 1,396)	252 (195 to 318)	793 (481 to 1,238)	433 (333 to 548)	275 (241 to 328)	236 (207 to 273)	506 (412 to 616)	2,149 (1,622 to 2,755)	2,581 (1,953 to 3,301)	3,598 (2,985 to 4,358)	742 (626 to 878)
	% change 1990-2017	**-47.1% (-60.9% to -30.3%)#**	**-74.3% (-81.8% to -63.8%)#**	**-71.9% (-83.2% to -55.6%)#**	**-79.6% (-84.9% to -72.4%)#**	**-46.4% (-54.9% to -35.0%)#**	**-28.7% (-38.6% to -16.5%)#**	3.9% (-18.0% to 29.6%)	**-63.5% (-72.6% to -52.3%)#**	**-67.8% (-75.9% to -58.3%)#**	**-61.5% (-68.8% to -52.5%)#**	-9.3% (-25.9% to 9.7%)
	% change 2000-2017	**-46.9% (-60.3% to -28.4%)#**	**-56.9% (-68.6% to -40.7%)#**	**-57.8% (-74.5% to -33.5%)#**	**-60.0% (-70.2% to -47.3%)#**	**-24.7% (-35.7% to -9.5%)#**	**-22.8% (-33.0% to -10.1%)#**	-9.5% (-26.9% to 13.3%)	**-52.7% (-64.6% to -38.2%)#**	**-54.1% (-65.4% to -40.5%)#**	**-47.5% (-57.3% to -35.1%)#**	-14.2% (-28.4% to 4.1%)
Bali	Death #, 1990	1,041 (916 to 1,181)	451 (369 to 552)	1,284 (1,124 to 1,450)	910 (736 to 1,088)	263 (229 to 299)	212 (190 to 239)	390 (340 to 454)	2,777 (2,498 to 3,097)	3,687 (3,305 to 4,122)	4,551 (4,139 to 5,018)	602 (529 to 693)
	Death #, 2000	900 (769 to 1,043)	234 (198 to 273)	661 (562 to 777)	375 (318 to 442)	174 (153 to 196)	148 (134 to 161)	320 (277 to 365)	1,795 (1,604 to 2,012)	2,170 (1,946 to 2,425)	2,811 (2,556 to 3,095)	467 (413 to 520)
	Death #, 2017	456 (351 to 582)	105 (80 to 134)	299 (180 to 469)	184 (142 to 235)	115 (96 to 135)	121 (106 to 138)	288 (229 to 355)	860 (649 to 1,106)	1,044 (789 to 1,340)	1,568 (1,307 to 1,884)	409 (336 to 490)
	% change 1990-2017	**-56.2% (-67.2% to -43.0%)#**	**-76.8% (-83.0% to -68.9%)#**	**-76.7% (-86.7% to -62.1%)#**	**-79.7% (-85.5% to -72.5%)#**	**-56.0% (-65.2% to -45.1%)#**	**-43.2% (-52.6% to -32.3%)#**	**-26.0% (-43.6% to -3.7%)#**	**-69.0% (-77.0% to -59.6%)#**	**-71.7% (-78.8% to -63.3%)#**	**-65.5% (-71.9% to -57.7%)#**	**-32.0% (-46.1% to -14.8%)#**
	% change 2000-2017	**-49.3% (-62.2% to -33.6%)#**	**-55.3% (-66.6% to -40.1%)#**	**-54.8% (-74.0% to -25.8%)#**	**-50.8% (-64.1% to -34.5%)#**	**-33.5% (-47.0% to -18.4%)#**	**-18.5% (-29.9% to -4.7%)#**	-9.7% (-29.4% to 15.6%)	**-52.1% (-64.6% to -36.0%)#**	**-51.9% (-64.1% to -36.5%)#**	**-44.2% (-54.0% to -31.1%)#**	-12.5% (-28.0% to 7.7%)
Bangka-Belitung	Death #, 1990	427 (373 to 483)	201 (156 to 257)	587 (526 to 654)	484 (399 to 576)	127 (115 to 141)	86 (78 to 96)	125 (107 to 146)	1,214 (1,080 to 1,359)	1,698 (1,529 to 1,902)	2,035 (1,854 to 2,251)	210 (185 to 242)
	Death #, 2000	378 (300 to 464)	103 (83 to 128)	325 (268 to 390)	186 (152 to 226)	84 (74 to 93)	72 (65 to 79)	144 (122 to 166)	807 (672 to 955)	993 (831 to 1,172)	1,292 (1,129 to 1,475)	216 (187 to 245)
	Death #, 2017	207 (156 to 267)	47 (36 to 60)	133 (89 to 196)	86 (70 to 106)	55 (47 to 66)	52 (46 to 60)	120 (101 to 136)	387 (313 to 485)	472 (382 to 590)	700 (593 to 823)	172 (149 to 194)
	% change 1990-2017	**-51.6% (-65.4% to -35.0%)#**	**-76.6% (-84.2% to -66.3%)#**	**-77.3% (-85.0% to -66.7%)#**	**-82.3% (-86.5% to -76.8%)#**	**-56.3% (-64.2% to -46.4%)#**	**-39.0% (-48.2% to -28.1%)#**	-4.0% (-24.9% to 17.1%)	**-68.2% (-75.0% to -59.1%)#**	**-72.2% (-77.9% to -64.6%)#**	**-65.6% (-71.2% to -58.9%)#**	**-18.2% (-33.8% to -2.9%)#**
	% change 2000-2017	**-45.4% (-61.0% to -21.8%)#**	**-54.5% (-67.7% to -36.4%)#**	**-59.1% (-73.0% to -38.3%)#**	**-53.9% (-64.9% to -40.4%)#**	**-33.7% (-45.7% to -19.9%)#**	**-27.7% (-37.5% to -16.0%)#**	-16.7% (-32.6% to 1.6%)	**-52.1% (-63.5% to -35.7%)#**	**-52.4% (-63.3% to -37.1%)#**	**-45.9% (-56.2% to -33.3%)#**	**-20.4% (-33.4% to -5.2%)#**
Banten	Death #, 1990	6399 (5586 to 7251)	3432 (2771 to 4193)	9704 (8595 to 10916)	7574 (6412 to 8774)	1602 (1466 to 1747)	948 (869 to 1029)	1326 (1159 to 1489)	19536 (17469 to 21790)	27110 (24688 to 29687)	30985 (28415 to 33769)	2274 (2035 to 2516)
	Death #, 2000	4380 (3624 to 5227)	1269 (1065 to 1480)	4117 (3494 to 4808)	2307 (1923 to 2738)	1032 (925 to 1136)	796 (722 to 871)	1356 (1203 to 1550)	9765 (8581 to 11154)	12072 (10663 to 13626)	15256 (13726 to 16963)	2152 (1928 to 2412)
	Death #, 2017	2177 (1643 to 2811)	492 (372 to 633)	1440 (972 to 2118)	854 (700 to 1050)	540 (463 to 647)	466 (409 to 533)	1042 (876 to 1212)	4109 (3339 to 5140)	4963 (4042 to 6185)	7010 (5965 to 8308)	1507 (1304 to 1727)
	% change 1990-2017	**-66.0% (-75.7% to -54.4%)#**	**-85.7% (-90.3% to -79.8%)#**	**-85.2% (-89.9% to -78.7%)#**	**-88.7% (-91.2% to -85.3%)#**	**-66.3% (-71.4% to -59.3%)#**	**-50.9% (-57.8% to -42.9%)#**	**-21.4% (-35.5% to -3.7%)#**	**-79.0% (-83.3% to -73.1%)#**	**-81.7% (-85.4% to -76.7%)#**	**-77.4% (-81.0% to -72.6%)#**	**-33.7% (-44.7% to -20.9%)#**
	% change 2000-2017	**-50.3% (-64.5% to -31.3%)#**	**-61.2% (-72.2% to -47.2%)#**	**-65.0% (-77.0% to -47.0%)#**	**-63.0% (-71.0% to -52.7%)#**	**-47.6% (-56.0% to -37.0%)#**	**-41.5% (-49.2% to -32.2%)#**	**-23.2% (-36.7% to -6.9%)#**	**-57.9% (-67.1% to -46.0%)#**	**-58.9% (-67.7% to -47.5%)#**	**-54.0% (-61.9% to -44.0%)#**	**-30.0% (-40.9% to -17.0%)#**
Bengkulu	Death #, 1990	905 (792 to 1036)	466 (379 to 561)	1327 (1179 to 1488)	1059 (903 to 1236)	251 (229 to 273)	158 (144 to 171)	229 (195 to 262)	2698 (2426 to 2998)	3757 (3442 to 4091)	4396 (4048 to 4776)	387 (339 to 432)
	Death #, 2000	908 (751 to 1085)	267 (226 to 310)	884 (754 to 1035)	522 (431 to 624)	171 (155 to 189)	145 (134 to 158)	263 (239 to 291)	2059 (1802 to 2330)	2581 (2271 to 2934)	3161 (2839 to 3541)	409 (373 to 448)
	Death #, 2017	365 (280 to 467)	83 (64 to 106)	248 (153 to 383)	141 (109 to 178)	90 (79 to 107)	83 (73 to 95)	182 (151 to 216)	696 (529 to 886)	836 (637 to 1065)	1191 (993 to 1443)	265 (226 to 307)
	% change 1990-2017	**-59.7% (-70.5% to -46.9%)#**	**-82.2% (-87.2% to -75.5%)#**	**-81.3% (-88.8% to -71.0%)#**	**-86.7% (-90.1% to -82.3%)#**	**-64.1% (-69.5% to -56.1%)#**	**-47.5% (-55.3% to -37.5%)#**	-20.8% (-36.9% to 2.0%)	**-74.2% (-80.5% to -66.3%)#**	**-77.7% (-83.0% to -70.9%)#**	**-72.9% (-77.6% to -66.8%)#**	**-31.7% (-43.6% to -15.9%)#**
	% change 2000-2017	**-59.8% (-70.8% to -46.1%)#**	**-69.0% (-76.9% to -58.3%)#**	**-72.0% (-83.3% to -56.0%)#**	**-73.0% (-80.1% to -64.5%)#**	**-47.4% (-55.5% to -36.0%)#**	**-43.0% (-50.3% to -33.6%)#**	**-31.1% (-42.7% to -16.1%)#**	**-66.2% (-74.9% to -55.9%)#**	**-67.6% (-76.0% to -58.1%)#**	**-62.3% (-69.4% to -53.3%)#**	**-35.3% (-44.9% to -23.7%)#**
Gorontalo	Death #, 1990	481 (418 to 551)	252 (204 to 311)	708 (639 to 788)	572 (481 to 669)	96 (88 to 106)	63 (57 to 69)	93 (79 to 110)	1,441 (1,296 to 1,605)	2,013 (1,844 to 2,216)	2,265 (2,085 to 2,479)	156 (138 to 178)
	Death #, 2000	621 (512 to 724)	204 (167 to 243)	666 (566 to 778)	462 (391 to 537)	97 (90 to 106)	56 (52 to 61)	81 (70 to 91)	1,490 (1,299 to 1,685)	1,952 (1,712 to 2,198)	2,187 (1,945 to 2,436)	137 (123 to 151)
	Death #, 2017	312 (234 to 404)	76 (57 to 98)	266 (182 to 384)	143 (118 to 173)	80 (69 to 92)	70 (62 to 79)	135 (109 to 161)	654 (535 to 809)	797 (655 to 981)	1,082 (924 to 1,283)	205 (173 to 239)
	% change 1990-2017	**-35.1% (-53.5% to -11.7%)#**	**-69.9% (-79.3% to -57.4%)#**	**-62.4% (-74.0% to -46.2%)#**	**-74.9% (-80.4% to -67.5%)#**	**-16.7% (-30.2% to -0.9%)#**	10.8% (-5.1% to 28.4%)	**45.6% (13.1% to 83.8%)#**	**-54.6% (-63.7% to -43.1%)#**	**-60.4% (-67.8% to -50.6%)#**	**-52.2% (-59.6% to -42.6%)#**	**31.5% (6.4% to 59.4%)#**
	% change 2000-2017	**-49.7% (-64.0% to -30.6%)#**	**-62.9% (-73.3% to -48.5%)#**	**-60.1% (-73.8% to -40.7%)#**	**-69.0% (-75.3% to -60.2%)#**	**-17.7% (-30.2% to -1.6%)#**	**23.8% (8.4% to 39.7%)#**	**66.8% (36.8% to 103.0%)#**	**-56.1% (-65.4% to -43.1%)#**	**-59.1% (-67.5% to -48.2%)#**	**-50.5% (-58.6% to -39.2%)#**	**49.1% (26.3% to 75.1%)#**
Jakarta	Death #, 1990	3,449 (3,044 to 3,934)	1,477 (1,195 to 1,821)	4,181 (3,827 to 4,623)	2,626 (2,156 to 3,091)	685 (631 to 743)	535 (504 to 568)	968 (897 to 1,057)	9,108 (8,294 to 10,034)	11,734 (10,740 to 12,797)	13,922 (12,830 to 15,048)	1,502 (1,403 to 1,617)
	Death #, 2000	2,998 (2,528 to 3,533)	769 (640 to 910)	2,251 (1,894 to 2,632)	1,226 (1,037 to 1,429)	420 (378 to 480)	396 (361 to 441)	859 (776 to 980)	6,018 (5,273 to 6,810)	7,244 (6,383 to 8,190)	8,919 (7,996 to 9,908)	1,255 (1,140 to 1,409)
	Death #, 2017	1,403 (1,088 to 1,774)	321 (248 to 406)	939 (566 to 1,477)	540 (417 to 688)	267 (217 to 324)	239 (212 to 272)	560 (445 to 705)	2,662 (2,017 to 3,415)	3,202 (2,433 to 4,103)	4,268 (3,489 to 5,225)	799 (666 to 972)
	% change 1990-2017	**-59.3% (-69.7% to -47.4%)#**	**-78.3% (-84.3% to -70.5%)#**	**-77.5% (-86.8% to -64.5%)#**	**-79.5% (-84.9% to -72.1%)#**	**-61.1% (-68.8% to -51.5%)#**	**-55.2% (-61.0% to -48.3%)#**	**-42.2% (-54.8% to -24.8%)#**	**-70.8% (-78.1% to -62.5%)#**	**-72.7% (-79.5% to -64.9%)#**	**-69.3% (-75.5% to -62.6%)#**	**-46.8% (-56.3% to -34.9%)#**
	% change 2000-2017	**-53.2% (-65.4% to -38.2%)#**	**-58.3% (-68.9% to -43.8%)#**	**-58.3% (-76.0% to -31.9%)#**	**-56.0% (-67.6% to -41.4%)#**	**-36.5% (-50.1% to -20.3%)#**	**-39.5% (-48.5% to -28.9%)#**	**-34.8% (-50.2% to -14.6%)#**	**-55.8% (-67.1% to -41.1%)#**	**-55.8% (-67.0% to -41.2%)#**	**-52.1% (-61.7% to -40.0%)#**	**-36.3% (-48.3% to -21.0%)#**
Jambi	Death #, 1990	1,119 (973 to 1,264)	537 (423 to 664)	1,543 (1,373 to 1,738)	1,202 (1,024 to 1,395)	343 (310 to 381)	224 (203 to 249)	338 (299 to 391)	3,200 (2,845 to 3,576)	4,402 (3,964 to 4,832)	5,307 (4,848 to 5,779)	562 (502 to 639)
	Death #, 2000	1,119 (906 to 1,368)	313 (259 to 373)	1,018 (844 to 1,211)	612 (506 to 736)	229 (204 to 257)	187 (169 to 207)	349 (302 to 400)	2,450 (2,079 to 2,863)	3,063 (2,620 to 3,556)	3,827 (3,363 to 4,340)	535 (473 to 604)
	Death #, 2017	516 (342 to 727)	118 (79 to 167)	329 (243 to 431)	210 (160 to 273)	140 (119 to 163)	130 (115 to 149)	294 (237 to 359)	964 (721 to 1,259)	1,174 (881 to 1,531)	1,737 (1,424 to 2,113)	424 (356 to 501)
	% change 1990-2017	**-53.9% (-71.4% to -30.7%)#**	**-78.0% (-86.5% to -65.7%)#**	**-78.7% (-84.5% to -71.5%)#**	**-82.5% (-87.5% to -76.0%)#**	**-59.3% (-66.3% to -50.7%)#**	**-41.9% (-51.3% to -30.8%)#**	-13.2% (-33.6% to 10.9%)	**-69.9% (-78.2% to -59.1%)#**	**-73.3% (-80.7% to -63.9%)#**	**-67.3% (-73.7% to -58.8%)#**	**-24.6% (-39.7% to -7.4%)#**
	% change 2000-2017	**-53.9% (-70.4% to -30.2%)#**	**-62.3% (-75.8% to -44.7%)#**	**-67.7% (-77.4% to -55.2%)#**	**-65.6% (-75.0% to -53.5%)#**	**-39.0% (-49.6% to -25.3%)#**	**-30.4% (-40.5% to -18.8%)#**	-15.7% (-32.8% to 6.0%)	**-60.7% (-71.6% to -46.8%)#**	**-61.7% (-72.2% to -48.6%)#**	**-54.6% (-63.6% to -43.4%)#**	**-20.9% (-34.5% to -4.8%)#**
	Death #, 1990	18,101 (16,062 to 20,444)	9,281 (7,540 to 11,347)	26,592 (24,044 to 29,526)	21,939 (18,435 to 25,823)	4,482 (4,139 to 4,846)	2,689 (2,521 to 2,868)	3,336 (2,999 to 3,720)	53,974 (48,997 to 59,080)	75,913 (69,548 to 82,365)	86,420 (79,593 to 93,440)	6,025 (5,568 to 6,577)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
W Java	Death #, 2000	18,459 (15,893 to 20,907)	5,386 (4,530 to 6,292)	17,885 (15,580 to 20,476)	10,578 (9,114 to 12,172)	2,711 (2,545 to 2,917)	1,951 (1,873 to 2,039)	2,771 (2,549 to 3,015)	41,730 (38,055 to 45,471)	52,308 (47,847 to 56,741)	59,741 (54,930 to 64,560)	4,722 (4,443 to 5,026)
	Death #, 2017	8,730 (6,713 to 11,143)	1,978 (1,521 to 2,523)	5,980 (3,643 to 9,262)	3,435 (2,654 to 4,339)	1,878 (1,631 to 2,169)	1,674 (1,507 to 1,872)	2,870 (2,415 to 3,413)	16,688 (12,708 to 21,229)	20,123 (15,343 to 25,568)	26,545 (21,783 to 32,360)	4,544 (3,952 to 5,169)
	% change 1990-2017	**-51.8% (-64.2% to -36.4%)#**	**-78.7% (-84.6% to -70.3%)#**	**-77.5% (-86.3% to -65.0%)#**	**-84.3% (-88.3% to -79.2%)#**	**-58.1% (-64.5% to -49.5%)#**	**-37.7% (-45.0% to -28.7%)#**	-14.0% (-29.7% to 6.1%)	**-69.1% (-77.0% to -60.0%)#**	**-73.5% (-80.1% to -66.0%)#**	**-69.3% (-75.3% to -62.0%)#**	**-24.6% (-35.4% to -12.0%)#**
	% change 2000-2017	**-52.7% (-64.7% to -37.8%)#**	**-63.3% (-72.9% to -50.2%)#**	**-66.6% (-80.3% to -46.1%)#**	**-67.5% (-75.8% to -57.6%)#**	**-30.7% (-40.8% to -18.8%)#**	**-14.2% (-22.9% to -4.2%)#**	3.6% (-14.1% to 23.1%)	**-60.0% (-70.2% to -47.9%)#**	**-61.5% (-71.1% to -50.0%)#**	**-55.6% (-64.3% to -45.0%)#**	-3.8% (-16.9% to 9.8%)
C Java	Death #, 1990	11418 (10139 to 12764)	5099 (4091 to 6299)	14715 (13398 to 16151)	11089 (9334 to 13007)	2964 (2737 to 3232)	2105 (1977 to 2248)	2973 (2671 to 3289)	31232 (28514 to 34066)	42321 (39287 to 45877)	50363 (47014 to 54167)	5078 (4653 to 5505)
	Death #, 2000	8956 (7624 to 10447)	2334 (1972 to 2715)	7076 (6170 to 8046)	4182 (3587 to 4869)	1638 (1535 to 1746)	1409 (1338 to 1492)	2461 (2334 to 2623)	18367 (16559 to 20389)	22548 (20379 to 24979)	28056 (25673 to 30779)	3870 (3688 to 4100)
	Death #, 2017	3672 (2823 to 4700)	845 (652 to 1080)	2508 (1524 to 3884)	1592 (1224 to 2023)	896 (728 to 1081)	884 (773 to 1006)	1924 (1565 to 2536)	7025 (5321 to 8988)	8617 (6525 to 11041)	12321 (10203 to 14877)	2808 (2363 to 3484)
	% change 1990-2017	**-67.8% (-76.0% to -58.1%)#**	**-83.4% (-88.1% to -77.2%)#**	**-83.0% (-89.9% to -72.9%)#**	**-85.6% (-89.3% to -80.7%)#**	**-69.8% (-75.9% to -62.6%)#**	**-58.0% (-63.9% to -51.1%)#**	**-35.3% (-49.5% to -12.7%)#**	**-77.5% (-83.3% to -70.6%)#**	**-79.6% (-84.6% to -73.4%)#**	**-75.5% (-80.1% to -70.0%)#**	**-44.7% (-54.8% to -30.2%)#**
	% change 2000-2017	**-59.0% (-69.6% to -46.3%)#**	**-63.8% (-73.0% to -51.7%)#**	**-64.5% (-79.1% to -42.7%)#**	**-61.9% (-72.0% to -50.3%)#**	**-45.3% (-55.5% to -32.9%)#**	**-37.2% (-45.8% to -28.0%)#**	-21.8% (-37.2% to 3.2%)	**-61.8% (-71.4% to -50.2%)#**	**-61.8% (-71.3% to -50.5%)#**	**-56.1% (-64.3% to -46.4%)#**	**-27.4% (-39.5% to -9.5%)#**
E Java	Death #, 1990	14,081 (12,563 to 15,934)	6,682 (5,447 to 8,261)	19,376 (17,393 to 21,517)	15,539 (12,838 to 18,332)	3,630 (3,348 to 3,958)	2,570 (2,400 to 2,768)	4,036 (3,621 to 4,464)	40,139 (36,658 to 44,313)	55,678 (50,802 to 61,084)	65,914 (60,643 to 71,791)	6,606 (6,042 to 7,216)
	Death #, 2000	12,384 (10,466 to 14,659)	3,411 (2,891 to 3,933)	11,033 (9,595 to 12,621)	6,307 (5,331 to 7,487)	1,943 (1,762 to 2,148)	1,684 (1,575 to 1,804)	2,957 (2,715 to 3,231)	26,828 (24,003 to 30,167)	33,136 (29,614 to 37,051)	39,720 (35,894 to 44,051)	4,641 (4,306 to 5,034)
	Death #, 2017	4,806 (3,684 to 6,163)	1,092 (840 to 1,400)	3,112 (1,897 to 4,826)	1,972 (1,526 to 2,511)	1,004 (850 to 1,184)	1,035 (921 to 1,172)	2,233 (1,798 to 2,962)	9,011 (6,817 to 11,489)	10,982 (8,337 to 13,992)	15,254 (12,559 to 18,494)	3,268 (2,748 to 4,060)
	% change 1990-2017	**-65.9% (-74.5% to -55.8%)#**	**-83.7% (-88.2% to -77.7%)#**	**-83.9% (-90.5% to -74.4%)#**	**-87.3% (-90.8% to -83.0%)#**	**-72.3% (-77.0% to -66.2%)#**	**-59.7% (-64.9% to -53.0%)#**	**-44.7% (-56.9% to -24.3%)#**	**-77.5% (-83.2% to -70.9%)#**	**-80.3% (-85.0% to -74.2%)#**	**-76.9% (-81.4% to -71.5%)#**	**-50.5% (-59.4% to -37.1%)#**
	% change 2000-2017	**-61.2% (-71.5% to -48.3%)#**	**-68.0% (-76.2% to -57.0%)#**	**-71.8% (-83.4% to -54.7%)#**	**-68.7% (-77.1% to -58.5%)#**	**-48.3% (-57.9% to -37.5%)#**	**-38.6% (-46.3% to -29.9%)#**	-24.5% (-40.5% to 0.3%)	**-66.4% (-75.1% to -55.7%)#**	**-66.9% (-75.4% to -56.7%)#**	**-61.6% (-69.2% to -52.5%)#**	**-29.6% (-42.0% to -12.0%)#**
W Kalimantan	Death #, 1990	2,422 (2,121 to 2,755)	1,260 (1,026 to 1,514)	3,627 (3,245 to 4,039)	3,307 (2,776 to 3,879)	675 (623 to 727)	408 (379 to 439)	563 (505 to 626)	7,309 (6,585 to 8,045)	10,616 (9,727 to 11,626)	12,261 (11,300 to 13,319)	971 (889 to 1,060)
	Death #, 2000	2,253 (1,941 to 2,593)	657 (559 to 768)	2,221 (1,899 to 2,597)	1,441 (1,224 to 1,683)	406 (363 to 444)	320 (290 to 351)	557 (495 to 639)	5,131 (4,617 to 5,745)	6,571 (5,892 to 7,346)	7,855 (7,160 to 8,660)	877 (786 to 990)
	Death #, 2017	1,073 (818 to 1,383)	242 (185 to 312)	766 (490 to 1,143)	451 (355 to 563)	255 (217 to 300)	223 (196 to 258)	454 (360 to 568)	2,082 (1,611 to 2,626)	2,532 (1,968 to 3,190)	3,464 (2,934 to 4,131)	677 (561 to 812)
	% change 1990-2017	**-55.7% (-67.9% to -41.3%)#**	**-80.8% (-86.4% to -73.8%)#**	**-78.9% (-86.8% to -67.8%)#**	**-86.4% (-89.7% to -81.9%)#**	**-62.2% (-68.5% to -54.7%)#**	**-45.4% (-53.3% to -35.4%)#**	-19.4% (-38.0% to 4.0%)	**-71.5% (-78.3% to -63.7%)#**	**-76.1% (-81.6% to -69.3%)#**	**-71.8% (-76.6% to -65.3%)#**	**-30.3% (-44.0% to -14.2%)#**
	% change 2000-2017	**-52.4% (-65.0% to -36.0%)#**	**-63.1% (-72.8% to -50.4%)#**	**-65.5% (-78.8% to -47.4%)#**	**-68.7% (-76.3% to -59.3%)#**	**-37.3% (-47.1% to -23.9%)#**	**-30.4% (-39.9% to -18.0%)#**	-18.5% (-37.0% to 3.5%)	**-59.4% (-69.1% to -47.6%)#**	**-61.5% (-70.2% to -50.6%)#**	**-55.9% (-63.4% to -46.7%)#**	**-22.8% (-37.6% to -5.6%)#**
S Kalimantan	Death #, 1990	2,201 (1,894 to 2,546)	1,215 (985 to 1,470)	3,452 (3,031 to 3,906)	3,027 (2,548 to 3,530)	574 (531 to 622)	367 (343 to 397)	539 (482 to 591)	6,868 (6,115 to 7,719)	9,895 (8,951 to 10,870)	11,375 (10,346 to 12,449)	906 (829 to 983)
	Death #, 2000	1,898 (1,575 to 2,268)	595 (504 to 687)	1,964 (1,690 to 2,300)	1,259 (1,045 to 1,513)	366 (331 to 405)	277 (252 to 304)	505 (443 to 570)	4,457 (3,933 to 5,045)	5,715 (5,047 to 6,483)	6,864 (6,141 to 7,663)	783 (697 to 873)
	Death #, 2017	1,007 (780 to 1,284)	235 (182 to 299)	813 (495 to 1,267)	428 (331 to 543)	237 (204 to 276)	211 (184 to 241)	436 (341 to 529)	2,056 (1,537 to 2,652)	2,484 (1,870 to 3,190)	3,368 (2,748 to 4,100)	647 (530 to 763)
	% change 1990-2017	**-54.2% (-66.4% to -38.9%)#**	**-80.7% (-86.3% to -73.5%)#**	**-76.4% (-85.8% to -63.5%)#**	**-85.8% (-89.5% to -80.9%)#**	**-58.8% (-65.5% to -50.7%)#**	**-42.4% (-50.5% to -32.7%)#**	-19.1% (-36.9% to 0.8%)	**-70.1% (-78.2% to -60.6%)#**	**-74.9% (-81.3% to -67.3%)#**	**-70.4% (-76.5% to -63.0%)#**	**-28.6% (-42.2% to -13.2%)#**
	% change 2000-2017	**-46.9% (-61.1% to -28.8%)#**	**-60.5% (-70.4% to -47.2%)#**	**-58.6% (-75.6% to -35.0%)#**	**-66.0% (-75.0% to -55.1%)#**	**-35.2% (-45.7% to -22.7%)#**	**-23.8% (-33.7% to -12.0%)#**	-13.8% (-32.9% to 6.0%)	**-53.9% (-66.0% to -39.3%)#**	**-56.5% (-67.8% to -43.0%)#**	**-50.9% (-61.0% to -39.4%)#**	**-17.3% (-31.8% to -1.6%)#**
C Kalimantan	Death #, 1990	681 (577 to 792)	306 (248 to 372)	867 (761 to 990)	585 (504 to 668)	209 (190 to 234)	143 (129 to 159)	232 (198 to 266)	1,854 (1,636 to 2,096)	2,439 (2,207 to 2,689)	3,023 (2,766 to 3,292)	375 (327 to 424)
	Death #, 2000	847 (688 to 1,034)	227 (189 to 270)	733 (611 to 876)	400 (331 to 479)	154 (140 to 173)	127 (116 to 141)	240 (207 to 272)	1,808 (1,545 to 2,111)	2,208 (1,903 to 2,566)	2,728 (2,405 to 3,087)	367 (325 to 413)
	Death #, 2017	448 (296 to 632)	100 (66 to 141)	294 (217 to 384)	183 (138 to 238)	113 (98 to 130)	102 (91 to 116)	230 (182 to 272)	842 (629 to 1,100)	1,025 (766 to 1,338)	1,470 (1,202 to 1,796)	332 (278 to 384)
	% change 1990-2017	**-34.2% (-59.9% to -0.5%)#**	**-67.3% (-79.9% to -50.0%)#**	**-66.0% (-75.6% to -54.5%)#**	**-68.7% (-77.9% to -57.2%)#**	**-46.0% (-54.9% to -35.4%)#**	**-28.3% (-38.8% to -16.2%)#**	-1.0% (-24.3% to 24.3%)	**-54.6% (-67.5% to -38.1%)#**	**-58.0% (-69.6% to -43.4%)#**	**-51.4% (-61.5% to -38.6%)#**	-11.4% (-28.8% to 6.9%)
	% change 2000-2017	**-47.1% (-66.5% to -20.1%)#**	**-56.0% (-71.7% to -35.4%)#**	**-59.9% (-71.8% to -45.0%)#**	**-54.2% (-67.3% to -37.9%)#**	**-26.5% (-38.5% to -13.3%)#**	**-19.3% (-30.3% to -7.2%)#**	-4.3% (-24.8% to 17.0%)	**-53.4% (-66.3% to -36.8%)#**	**-53.6% (-66.2% to -37.6%)#**	**-46.1% (-57.1% to -32.3%)#**	-9.5% (-25.5% to 6.8%)
E Kalimantan	Death #, 1990	743 (667 to 825)	328 (269 to 395)	915 (824 to 1016)	579 (472 to 694)	196 (179 to 216)	136 (125 to 148)	217 (190 to 248)	1986 (1823 to 2163)	2565 (2350 to 2785)	3113 (2873 to 3348)	352 (316 to 393)
	Death #, 2000	972 (786 to 1184)	261 (211 to 319)	824 (692 to 980)	445 (369 to 533)	183 (163 to 204)	152 (142 to 163)	320 (276 to 358)	2057 (1736 to 2406)	2502 (2131 to 2918)	3157 (2767 to 3580)	473 (423 to 516)
	Death #, 2017	677 (452 to 948)	152 (102 to 213)	461 (338 to 602)	261 (200 to 334)	180 (154 to 214)	157 (138 to 179)	334 (282 to 388)	1290 (974 to 1672)	1551 (1176 to 1998)	2223 (1832 to 2687)	491 (424 to 566)
	% change 1990-2017	-8.9% (-42.1% to 32.1%)	**-53.6% (-70.5% to -29.9%)#**	**-49.6% (-63.7% to -33.2%)#**	**-54.9% (-67.1% to -37.4%)#**	-8.0% (-23.7% to 11.5%)	15.7% (-1.5% to 35.2%)	**54.1% (22.6% to 91.2%)#**	**-35.0% (-51.7% to -14.4%)#**	**-39.5% (-54.8% to -20.0%)#**	**-28.6% (-42.4% to -10.8%)#**	**39.3% (15.4% to 68.0%)#**
	% change 2000-2017	-30.4% (-55.2% to 3.7%)	**-41.7% (-62.5% to -12.6%)#**	**-44.0% (-60.6% to -22.4%)#**	**-41.3% (-56.5% to -21.6%)#**	-1.3% (-18.5% to 20.8%)	3.0% (-10.0% to 18.6%)	4.4% (-13.3% to 25.8%)	**-37.3% (-53.4% to -15.1%)#**	**-38.0% (-53.8% to -16.0%)#**	**-29.6% (-43.2% to -12.3%)#**	3.9% (-10.2% to 21.1%)
N Kalimantan	Death #, 1990	121 (99 to 147)	58 (42 to 78)	170 (142 to 202)	144 (112 to 182)	32 (29 to 35)	18 (16 to 21)	22 (17 to 28)	349 (288 to 422)	493 (408 to 593)	565 (474 to 672)	40 (33 to 49)
	Death #, 2000	153 (116 to 192)	44 (34 to 56)	146 (115 to 180)	84 (65 to 106)	28 (26 to 31)	19 (17 to 22)	27 (21 to 35)	343 (272 to 421)	427 (341 to 522)	502 (405 to 607)	47 (38 to 56)
	Death #, 2017	104 (80 to 136)	24 (18 to 31)	75 (39 to 134)	41 (29 to 59)	26 (22 to 31)	23 (19 to 28)	37 (28 to 47)	203 (140 to 292)	244 (168 to 351)	330 (240 to 451)	61 (47 to 74)
	% change 1990-2017	-14.2% (-36.5% to 12.3%)	**-58.7% (-71.4% to -39.7%)#**	**-56.1% (-78.2% to -19.1%)#**	**-71.6% (-81.1% to -56.8%)#**	-17.9% (-31.3% to 0.0%)	**26.6% (4.0% to 53.9%)#**	**72.5% (24.9% to 136.8%)#**	**-42.0% (-61.5% to -14.7%)#**	**-50.6% (-67.0% to -27.6%)#**	**-41.5% (-59.0% to -17.1%)#**	**51.4% (17.2% to 96.4%)#**
	% change 2000-2017	**-31.8% (-48.8% to -5.4%)#**	**-46.1% (-60.0% to -26.7%)#**	**-49.0% (-74.4% to -4.1%)#**	**-51.5% (-66.0% to -30.3%)#**	-7.7% (-22.4% to 11.1%)	**21.0% (2.5% to 42.5%)#**	**36.6% (4.8% to 77.2%)#**	**-40.9% (-59.2% to -14.9%)#**	**-43.0% (-59.9% to -18.0%)#**	**-34.2% (-51.4% to -9.2%)#**	**30.1% (4.4% to 61.7%)#**
Riau	Death #, 1990	534 (447 to 625)	255 (205 to 314)	741 (639 to 860)	514 (415 to 627)	174 (158 to 195)	107 (97 to 118)	146 (127 to 173)	1530 (1325 to 1756)	2045 (1787 to 2344)	2472 (2193 to 2782)	253 (226 to 289)
	Death #, 2000	606 (474 to 758)	172 (135 to 213)	514 (411 to 629)	217 (174 to 267)	118 (107 to 130)	105 (96 to 113)	207 (176 to 233)	1292 (1039 to 1559)	1510 (1227 to 1814)	1939 (1649 to 2239)	312 (275 to 345)
	Death #, 2017	410 (308 to 534)	94 (71 to 122)	281 (188 to 420)	154 (124 to 192)	102 (89 to 118)	72 (65 to 81)	116 (99 to 137)	786 (632 to 993)	940 (755 to 1187)	1231 (1030 to 1491)	188 (164 to 217)
	% change 1990-2017	-23.1% (-44.9% to 4.3%)	**-63.1% (-74.5% to -49.2%)#**	**-62.0% (-73.5% to -46.7%)#**	**-70.0% (-76.4% to -61.6%)#**	**-41.3% (-50.7% to -29.7%)#**	**-32.7% (-42.1% to -21.9%)#**	-20.4% (-36.9% to 0.3%)	**-48.6% (-58.2% to -36.3%)#**	**-54.0% (-62.3% to -43.1%)#**	**-50.2% (-57.6% to -40.7%)#**	**-25.6% (-39.2% to -10.0%)#**
	% change 2000-2017	**-32.3% (-51.7% to -5.5%)#**	**-45.1% (-60.7% to -24.9%)#**	**-45.3% (-64.6% to -16.0%)#**	**-29.0% (-44.8% to -8.0%)#**	-13.4% (-26.6% to 3.2%)	**-31.6% (-39.5% to -21.8%)#**	**-43.7% (-53.2% to -31.6%)#**	**-39.2% (-53.0% to -20.0%)#**	**-37.7% (-51.8% to -19.0%)#**	**-36.5% (-48.5% to -21.2%)#**	**-39.6% (-48.3% to -28.8%)#**

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Lampung	Death #, 1990	3,383 (2,937 to 3,893)	1,639 (1,312 to 2,016)	4,775 (4,283 to 5,328)	3,980 (3,334 to 4,711)	894 (824 to 981)	578 (534 to 628)	790 (690 to 897)	9,797 (8,829 to 10,970)	13,777 (12,504 to 15,220)	16,040 (14,691 to 17,538)	1,369 (1,230 to 1,524)
	Death #, 2000	3,047 (2,603 to 3,555)	844 (696 to 1,002)	2,799 (2,376 to 3,268)	1,642 (1,402 to 1,942)	535 (489 to 586)	424 (400 to 451)	678 (624 to 743)	6,690 (5,935 to 7,546)	8,332 (7,400 to 9,391)	9,970 (8,975 to 11,074)	1,102 (1,034 to 1,193)
	Death #, 2017	1,167 (897 to 1,495)	265 (203 to 339)	760 (462 to 1,180)	482 (368 to 611)	292 (240 to 343)	258 (229 to 292)	530 (430 to 707)	2,192 (1,656 to 2,803)	2,673 (2,023 to 3,419)	3,754 (3,085 to 4,540)	788 (668 to 987)
	% change 1990-2017	**-65.5% (-74.7% to -53.6%)#**	**-83.8% (-88.5% to -77.6%)#**	**-84.1% (-90.5% to -75.2%)#**	**-87.9% (-91.2% to -83.7%)#**	**-67.3% (-73.5% to -60.5%)#**	**-55.4% (-61.4% to -47.8%)#**	**-32.9% (-47.1% to -7.7%)#**	**-77.6% (-83.3% to -70.9%)#**	**-80.6% (-85.5% to -74.8%)#**	**-76.6% (-81.4% to -71.0%)#**	**-42.4% (-52.6% to -25.4%)#**
	% change 2000-2017	**-61.7% (-71.4% to -49.6%)#**	**-68.7% (-76.8% to -57.3%)#**	**-72.8% (-84.0% to -56.4%)#**	**-70.7% (-78.3% to -61.8%)#**	**-45.4% (-55.5% to -34.3%)#**	**-39.1% (-46.9% to -30.4%)#**	-21.8% (-36.3% to 5.4%)	**-67.2% (-75.7% to -57.1%)#**	**-67.9% (-76.2% to -58.2%)#**	**-62.4% (-69.8% to -53.7%)#**	**-28.5% (-39.9% to -10.0%)#**
Maluku	Death #, 1990	1,015 (890 to 1,150)	536 (439 to 649)	1,528 (1,355 to 1,708)	1,206 (999 to 1,440)	259 (237 to 281)	154 (140 to 168)	219 (185 to 257)	3,078 (2,768 to 3,395)	4,283 (3,888 to 4,721)	4,916 (4,492 to 5,370)	373 (326 to 424)
	Death #, 2000	935 (751 to 1,131)	305 (248 to 363)	1,007 (831 to 1,200)	697 (577 to 827)	201 (181 to 227)	144 (132 to 156)	260 (229 to 290)	2,247 (1,899 to 2,625)	2,944 (2,500 to 3,404)	3,549 (3,096 to 4,028)	404 (362 to 443)
	Death #, 2017	648 (435 to 899)	162 (109 to 225)	588 (437 to 759)	302 (231 to 386)	150 (130 to 176)	121 (104 to 141)	214 (166 to 273)	1,398 (1,080 to 1,769)	1,699 (1,312 to 2,151)	2,184 (1,786 to 2,659)	334 (271 to 411)
	% change 1990-2017	**-36.2% (-59.8% to -6.0%)#**	**-69.7% (-81.0% to -54.0%)#**	**-61.5% (-71.3% to -49.8%)#**	**-75.0% (-82.2% to -65.5%)#**	**-42.0% (-50.8% to -30.2%)#**	**-21.6% (-33.8% to -4.9%)#**	-2.6% (-27.1% to 31.6%)	**-54.6% (-65.2% to -41.3%)#**	**-60.3% (-69.6% to -48.3%)#**	**-55.6% (-64.2% to -44.5%)#**	-10.4% (-29.1% to 15.3%)
	% change 2000-2017	-30.8% (-54.7% to 1.7%)	**-46.8% (-65.4% to -21.8%)#**	**-41.6% (-58.0% to -18.2%)#**	**-56.7% (-67.3% to -42.3%)#**	**-25.3% (-38.2% to -9.2%)#**	**-16.0% (-28.7% to -0.0%)#**	-18.0% (-35.5% to 3.6%)	**-37.8% (-52.8% to -16.9%)#**	**-42.3% (-55.9% to -23.4%)#**	**-38.5% (-50.8% to -22.1%)#**	-17.3% (-32.1% to 0.8%)
N Maluku	Death #, 1990	493 (427 to 566)	244 (192 to 306)	690 (610 to 790)	515 (418 to 616)	142 (132 to 155)	89 (82 to 97)	133 (115 to 150)	1,428 (1,259 to 1,620)	1,943 (1,731 to 2,192)	2,307 (2,074 to 2,577)	222 (198 to 247)
	Death #, 2000	461 (378 to 548)	143 (113 to 174)	465 (386 to 547)	314 (258 to 376)	117 (109 to 126)	88 (82 to 94)	178 (163 to 194)	1,068 (902 to 1,230)	1,382 (1,177 to 1,585)	1,765 (1,557 to 1,976)	266 (246 to 287)
	Death #, 2017	367 (274 to 478)	89 (67 to 116)	315 (217 to 455)	164 (134 to 200)	87 (75 to 101)	76 (68 to 86)	140 (121 to 166)	772 (631 to 958)	936 (767 to 1,157)	1,239 (1,054 to 1,481)	216 (191 to 252)
	% change 1990-2017	-25.5% (-47.1% to 0.2%)	**-63.4% (-74.7% to -47.4%)#**	**-54.3% (-67.9% to -36.6%)#**	**-68.1% (-75.2% to -59.0%)#**	**-38.9% (-48.1% to -27.4%)#**	**-14.5% (-25.7% to -0.9%)#**	5.8% (-12.0% to 30.3%)	**-45.9% (-56.0% to -33.4%)#**	**-51.8% (-60.6% to -40.6%)#**	**-46.3% (-54.1% to -36.1%)#**	-2.4% (-16.6% to 17.2%)
	% change 2000-2017	-20.2% (-41.1% to 7.9%)	**-37.6% (-55.1% to -14.3%)#**	-32.2% (-55.2% to 3.9%)	**-47.7% (-58.3% to -33.6%)#**	**-25.6% (-37.0% to -12.1%)#**	**-13.4% (-23.5% to -1.0%)#**	**-21.4% (-33.0% to -5.7%)#**	**-27.7% (-43.4% to -7.1%)#**	**-32.3% (-46.0% to -14.7%)#**	**-29.8% (-42.0% to -14.8%)#**	**-18.8% (-29.3% to -4.6%)#**
W Nusa Tenggara	Death #, 1990	3,208 (2,801 to 3,669)	1,825 (1,464 to 2,220)	5,161 (4,621 to 5,762)	5,066 (4,268 to 5,903)	946 (876 to 1,020)	566 (527 to 609)	752 (680 to 839)	10,194 (9,139 to 11,328)	15,261 (13,955 to 16,726)	17,525 (16,129 to 19,077)	1,318 (1,210 to 1,443)
	Death #, 2000	2,904 (2,553 to 3,252)	967 (802 to 1,150)	3,187 (2,751 to 3,666)	2,338 (1,975 to 2,750)	595 (549 to 640)	453 (418 to 492)	765 (671 to 868)	7,057 (6,411 to 7,740)	9,395 (8,535 to 10,314)	11,208 (10,366 to 12,150)	1,218 (1,089 to 1,359)
	Death #, 2017	1,316 (1,018 to 1,675)	309 (239 to 393)	1,052 (640 to 1,629)	586 (453 to 739)	324 (278 to 381)	273 (237 to 313)	537 (410 to 651)	2,677 (2,005 to 3,447)	3,263 (2,458 to 4,186)	4,396 (3,612 to 5,328)	809 (655 to 958)
	% change 1990-2017	**-59.0% (-69.7% to -45.8%)#**	**-83.1% (-87.8% to -76.5%)#**	**-79.6% (-87.7% to -68.0%)#**	**-88.4% (-91.4% to -84.5%)#**	**-65.8% (-71.3% to -59.1%)#**	**-51.8% (-59.0% to -43.9%)#**	**-28.6% (-46.7% to -10.2%)#**	**-73.7% (-80.7% to -66.0%)#**	**-78.6% (-83.9% to -72.2%)#**	**-74.9% (-79.8% to -68.9%)#**	**-38.6% (-51.7% to -25.2%)#**
	% change 2000-2017	**-54.7% (-65.4% to -41.1%)#**	**-68.1% (-76.9% to -56.6%)#**	**-67.0% (-80.5% to -47.7%)#**	**-74.9% (-81.6% to -67.3%)#**	**-45.6% (-54.5% to -35.8%)#**	**-39.8% (-48.3% to -30.1%)#**	**-29.8% (-45.6% to -12.8%)#**	**-62.1% (-71.9% to -50.5%)#**	**-65.3% (-74.3% to -54.8%)#**	**-60.8% (-68.3% to -52.0%)#**	**-33.5% (-46.4% to -20.2%)#**
E Nusa Tenggara	Death #, 1990	2,322 (2,058 to 2,595)	1,165 (959 to 1,409)	3,341 (2,988 to 3,736)	2,752 (2,305 to 3,225)	577 (531 to 629)	359 (333 to 387)	516 (467 to 571)	6,829 (6,202 to 7,491)	9,581 (8,805 to 10,362)	11,033 (10,193 to 11,894)	874 (802 to 957)
	Death #, 2000	2,809 (2,318 to 3,323)	838 (694 to 1,000)	2,848 (2,434 to 3,299)	1,878 (1,610 to 2,173)	444 (408 to 479)	296 (278 to 316)	443 (404 to 485)	6,495 (5,648 to 7,363)	8,373 (7,349 to 9,398)	9,557 (8,507 to 10,645)	740 (684 to 799)
	Death #, 2017	1,683 (1,136 to 2,330)	397 (269 to 549)	1,426 (1,057 to 1,849)	803 (623 to 1,020)	345 (299 to 404)	289 (259 to 329)	436 (378 to 549)	3,506 (2,713 to 4,456)	4,309 (3,347 to 5,466)	5,379 (4,408 to 6,611)	725 (646 to 861)
	% change 1990-2017	-27.5% (-53.5% to 4.9%)	**-65.9% (-78.4% to -49.0%)#**	**-57.3% (-69.2% to -43.9%)#**	**-70.8% (-78.7% to -60.5%)#**	**-40.2% (-49.8% to -28.5%)#**	**-19.5% (-29.9% to -5.7%)#**	-15.4% (-30.6% to 4.7%)	**-48.7% (-61.1% to -33.8%)#**	**-55.0% (-65.5% to -41.7%)#**	**-51.2% (-61.0% to -38.8%)#**	**-17.1% (-29.2% to -0.3%)#**
	% change 2000-2017	**-40.1% (-60.8% to -12.7%)#**	**-52.6% (-69.0% to -31.3%)#**	**-49.9% (-64.3% to -31.8%)#**	**-57.2% (-68.1% to -43.3%)#**	**-22.2% (-34.0% to -8.0%)#**	-2.6% (-13.6% to 12.2%)	-1.7% (-16.9% to 20.6%)	**-46.0% (-58.7% to -30.2%)#**	**-48.5% (-60.4% to -33.6%)#**	**-43.7% (-54.5% to -30.0%)#**	-2.0% (-15.2% to 16.2%)
Papua	Death #, 1990	756 (662 to 854)	380 (304 to 467)	1,076 (952 to 1,214)	900 (729 to 1,090)	219 (202 to 237)	121 (111 to 131)	173 (145 to 197)	2,212 (1,984 to 2,463)	3,112 (2,790 to 3,478)	3,625 (3,291 to 3,992)	294 (258 to 327)
	Death #, 2000	1,016 (839 to 1,197)	320 (255 to 390)	1,050 (884 to 1,223)	787 (652 to 932)	230 (215 to 249)	166 (155 to 179)	285 (253 to 317)	2,386 (2,061 to 2,721)	3,173 (2,757 to 3,604)	3,854 (3,411 to 4,297)	451 (407 to 495)
	Death #, 2017	1,661 (1,117 to 2,304)	440 (296 to 609)	1,618 (1,201 to 2,088)	1,036 (793 to 1,324)	399 (343 to 462)	300 (257 to 353)	529 (413 to 676)	3,719 (2,881 to 4,704)	4,755 (3,677 to 6,005)	5,983 (4,909 to 7,285)	829 (675 to 1,029)
	% change 1990-2017	**119.7% (38.2% to 218.0%)#**	15.9% (-28.6% to 75.0%)	**50.3% (12.8% to 94.2%)#**	15.1% (-17.6% to 61.8%)	**82.3% (53.8% to 115.0%)#**	**147.2% (107.0% to 195.3%)#**	**206.3% (132.8% to 312.1%)#**	**68.1% (28.4% to 120.6%)#**	**52.8% (15.1% to 102.1%)#**	**65.0% (32.3% to 109.5%)#**	**181.9% (124.4% to 259.4%)#**
	% change 2000-2017	**63.5% (8.7% to 134.7%)#**	37.7% (-11.1% to 104.8%)	**54.1% (12.4% to 114.5%)#**	31.5% (-1.1% to 73.4%)	**73.3% (44.7% to 103.7%)#**	**81.2% (54.4% to 114.2%)#**	**85.5% (45.5% to 133.5%)#**	**55.9% (19.1% to 102.3%)#**	**49.9% (15.8% to 92.8%)#**	**55.2% (25.9% to 92.0%)#**	**84.0% (50.3% to 125.6%)#**
W Papua	Death #, 1990	388 (341 to 436)	175 (139 to 216)	499 (443 to 563)	350 (280 to 425)	98 (91 to 106)	61 (56 to 66)	92 (81 to 103)	1,062 (950 to 1,174)	1,412 (1,253 to 1,580)	1,664 (1,495 to 1,837)	154 (137 to 169)
	Death #, 2000	280 (229 to 333)	81 (65 to 99)	259 (216 to 305)	171 (142 to 204)	82 (77 to 89)	70 (65 to 75)	123 (112 to 135)	619 (526 to 712)	791 (675 to 905)	1,066 (947 to 1,188)	193 (178 to 209)
	Death #, 2017	188 (142 to 242)	43 (32 to 55)	126 (86 to 184)	75 (61 to 92)	47 (41 to 54)	41 (36 to 47)	83 (70 to 104)	357 (291 to 443)	431 (351 to 534)	602 (516 to 715)	123 (106 to 150)
	% change 1990-2017	**-51.6% (-65.2% to -35.7%)#**	**-75.5% (-83.0% to -65.3%)#**	**-74.8% (-82.3% to -64.4%)#**	**-78.6% (-83.5% to -72.4%)#**	**-52.1% (-58.9% to -43.1%)#**	**-33.7% (-42.8% to -21.6%)#**	-10.5% (-27.9% to 16.3%)	**-66.4% (-72.5% to -58.7%)#**	**-69.4% (-75.0% to -62.2%)#**	**-63.8% (-69.2% to -57.5%)#**	**-19.8% (-32.9% to -0.7%)#**
	% change 2000-2017	**-32.9% (-50.2% to -8.8%)#**	**-47.0% (-61.8% to -26.8%)#**	**-51.3% (-68.4% to -25.5%)#**	**-56.3% (-65.7% to -44.6%)#**	**-42.9% (-50.9% to -32.6%)#**	**-41.9% (-49.1% to -33.0%)#**	**-32.9% (-43.9% to -15.2%)#**	**-42.4% (-54.8% to -26.8%)#**	**-45.5% (-56.8% to -31.3%)#**	**-43.6% (-53.1% to -32.5%)#**	**-36.1% (-45.3% to -22.7%)#**
Riau	Death #, 1990	1,432 (1,284 to 1,593)	685 (556 to 830)	1,936 (1,766 to 2,133)	1,423 (1,186 to 1,671)	356 (328 to 392)	222 (207 to 241)	302 (268 to 347)	4,053 (3,740 to 4,435)	5,476 (5,083 to 5,900)	6,356 (5,923 to 6,842)	524 (477 to 586)
	Death #, 2000	1,818 (1,517 to 2,160)	488 (407 to 573)	1,552 (1,326 to 1,813)	835 (692 to 1,009)	272 (247 to 302)	220 (203 to 239)	396 (343 to 450)	3,858 (3,378 to 4,381)	4,693 (4,096 to 5,348)	5,581 (4,988 to 6,280)	616 (550 to 683)
	Death #, 2017	980 (760 to 1,246)	221 (172 to 281)	658 (402 to 1,025)	401 (312 to 506)	310 (259 to 366)	267 (240 to 305)	572 (454 to 726)	1,859 (1,417 to 2,366)	2,261 (1,723 to 2,876)	3,410 (2,846 to 4,064)	839 (702 to 1,014)
	% change 1990-2017	**-31.5% (-48.8% to -11.3%)#**	**-67.7% (-76.8% to -55.2%)#**	**-66.0% (-79.6% to -46.8%)#**	**-71.8% (-79.0% to -62.4%)#**	-12.9% (-28.8% to 4.4%)	**89.0% (4.5% to 40.5%)#**	**89.0% (45.7% to 151.3%)#**	**-54.1% (-65.7% to -41.3%)#**	**-58.7% (-68.7% to -47.3%)#**	**-46.4% (-55.8% to -34.9%)#**	**60.1% (31.2% to 99.6%)#**
	% change 2000-2017	**-46.1% (-60.7% to -27.0%)#**	**-54.7% (-66.3% to -38.8%)#**	**-57.6% (-75.0% to -31.9%)#**	**-52.0% (-64.5% to -36.8%)#**	13.9% (-7.2% to 35.8%)	**21.6% (6.8% to 40.9%)#**	**44.3% (13.2% to 86.6%)#**	**-51.8% (-64.3% to -36.9%)#**	**-51.8% (-64.2% to -37.4%)#**	**-38.9% (-50.9% to -24.7%)#**	**36.2% (12.5% to 67.5%)#**
W Sulawesi	Death #, 1990	666 (569 to 767)	364 (293 to 445)	1039 (907 to 1184)	950 (796 to 1126)	171 (159 to 186)	104 (97 to 111)	139 (125 to 154)	2069 (1819 to 2331)	3019 (2692 to 3368)	3434 (3098 to 3798)	243 (223 to 265)
	Death #, 2000	742 (590 to 912)	241 (192 to 294)	798 (647 to 960)	571 (466 to 690)	127 (113 to 144)	84 (77 to 92)	122 (109 to 140)	1781 (1468 to 2106)	2352 (1952 to 2761)	2685 (2275 to 3112)	206 (187 to 231)
	Death #, 2017	376 (283 to 482)	88 (67 to 113)	314 (213 to 459)	173 (142 to 212)	100 (86 to 116)	83 (73 to 97)	154 (121 to 190)	778 (634 to 973)	951 (774 to 1179)	1288 (1100 to 1534)	237 (196 to 287)
	% change 1990-2017	**-43.5% (-59.7% to -24.8%)#**	**-75.8% (-83.1% to -66.5%)#**	**-69.8% (-79.2% to -57.1%)#**	**-81.8% (-85.7% to -76.8%)#**	**-41.9% (-50.7% to -30.3%)#**	**-19.8% (-30.9% to -4.3%)#**	10.3% (-15.1% to 39.1%)	**-62.4% (-69.2% to -53.7%)#**	**-68.5% (-74.3% to -61.2%)#**	**-62.5% (-68.1% to -55.2%)#**	-2.5% (-20.5% to 19.2%)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 2000-2017	**-49.4% (-62.9% to -29.8%)#**	**-63.3% (-73.2% to -49.6%)#**	**-60.6% (-74.5% to -40.4%)#**	**-69.7% (-76.3% to -61.1%)#**	**-21.5% (-35.6% to -5.3%)#**	-1.2% (-15.6% to 15.4%)	25.9% (-1.1% to 57.9%)	**-56.3% (-66.0% to -42.9%)#**	**-59.5% (-68.4% to -47.8%)#**	**-52.0% (-61.3% to -40.1%)#**	14.8% (-6.1% to 39.2%)
S Sulawesi	Death #, 1990	4,242 (3,724 to 4,795)	2,108 (1,717 to 2,594)	6,047 (5,426 to 6,748)	4,876 (4,037 to 5,793)	1,002 (914 to 1,098)	663 (616 to 715)	966 (865 to 1,070)	12,396 (11,172 to 13,691)	17,272 (15,726 to 19,003)	19,904 (18,253 to 21,771)	1,630 (1,485 to 1,777)
	Death #, 2000	4,002 (3,191 to 4,941)	1,154 (945 to 1,380)	3,803 (3,136 to 4,589)	2,258 (1,841 to 2,726)	595 (537 to 670)	453 (422 to 484)	713 (651 to 782)	8,959 (7,508 to 10,688)	11,216 (9,476 to 13,272)	12,977 (11,099 to 15,130)	1,166 (1,078 to 1,258)
	Death #, 2017	1,850 (1,231 to 2,603)	420 (280 to 591)	1,235 (905 to 1,613)	720 (548 to 932)	368 (308 to 434)	329 (294 to 376)	616 (524 to 811)	3,506 (2,635 to 4,573)	4,226 (3,190 to 5,485)	5,539 (4,501 to 6,841)	945 (827 to 1,164)
	% change 1990-2017	**-56.4% (-72.7% to -35.8%)#**	**-80.0% (-87.7% to -69.5%)#**	**-79.6% (-85.1% to -72.9%)#**	**-85.2% (-89.3% to -79.5%)#**	**-63.2% (-70.0% to -55.2%)#**	**-50.5% (-56.8% to -42.3%)#**	**-36.2% (-47.9% to -16.0%)#**	**-71.7% (-79.3% to -62.2%)#**	**-75.5% (-82.0% to -67.0%)#**	**-72.2% (-78.0% to -64.1%)#**	**-42.0% (-51.1% to -28.0%)#**
	% change 2000-2017	**-53.8% (-70.2% to -29.3%)#**	**-63.6% (-76.4% to -46.2%)#**	**-67.5% (-77.0% to -54.6%)#**	**-68.1% (-76.9% to -56.6%)#**	**-38.1% (-48.9% to -25.1%)#**	**-27.4% (-36.6% to -15.8%)#**	-13.6% (-28.1% to 12.6%)	**-60.9% (-71.7% to -47.0%)#**	**-62.3% (-72.5% to -48.9%)#**	**-57.3% (-66.5% to -45.2%)#**	**-18.9% (-30.6% to -0.4%)#**
C Sulawesi	Death #, 1990	1,323 (1,152 to 1,512)	698 (564 to 840)	1,983 (1,775 to 2,212)	1,616 (1,355 to 1,919)	359 (330 to 393)	234 (216 to 255)	347 (305 to 397)	4,003 (3,627 to 4,442)	5,619 (5,133 to 6,181)	6,559 (6,022 to 7,146)	581 (523 to 649)
	Death #, 2000	1,489 (1,233 to 1,779)	459 (389 to 532)	1,525 (1,301 to 1,794)	952 (789 to 1,148)	247 (224 to 273)	181 (166 to 197)	306 (272 to 346)	3,473 (3,038 to 3,992)	4,425 (3,880 to 5,049)	5,159 (4,569 to 5,820)	487 (438 to 542)
	Death #, 2017	853 (659 to 1,078)	200 (155 to 253)	698 (429 to 1,078)	370 (290 to 464)	184 (157 to 213)	157 (137 to 184)	274 (221 to 359)	1,751 (1,323 to 2,242)	2,121 (1,615 to 2,707)	2,736 (2,231 to 3,327)	431 (359 to 535)
	% change 1990-2017	**-35.6% (-52.4% to -15.1%)#**	**-71.3% (-79.3% to -60.5%)#**	**-64.8% (-78.9% to -44.8%)#**	**-77.1% (-83.0% to -68.8%)#**	**-48.9% (-57.5% to -38.8%)#**	**-33.0% (-43.5% to -20.5%)#**	-21.0% (-39.4% to 7.7%)	**-56.3% (-67.6% to -43.3%)#**	**-62.2% (-71.6% to -50.6%)#**	**-58.3% (-66.6% to -47.6%)#**	**-25.9% (-40.6% to -4.2%)#**
	% change 2000-2017	**-42.8% (-58.3% to -23.2%)#**	**-56.4% (-67.3% to -41.7%)#**	**-54.2% (-73.0% to -27.9%)#**	**-61.1% (-71.4% to -49.0%)#**	**-25.8% (-38.0% to -12.2%)#**	-13.3% (-25.6% to 1.8%)	-10.5% (-28.7% to 17.4%)	**-49.6% (-62.7% to -33.7%)#**	**-52.1% (-64.6% to -37.3%)#**	**-47.0% (-58.4% to -33.8%)#**	-11.5% (-26.4% to 10.5%)
SE Sulawesi	Death #, 1990	1,065 (930 to 1,218)	545 (450 to 653)	1,546 (1,367 to 1,752)	1,257 (1,049 to 1,493)	304 (278 to 333)	184 (168 to 201)	265 (224 to 301)	3,156 (2,811 to 3,517)	4,413 (3,987 to 4,866)	5,166 (4,695 to 5,661)	449 (393 to 500)
	Death #, 2000	1,287 (1,083 to 1,507)	389 (332 to 451)	1,300 (1,112 to 1,510)	806 (679 to 955)	245 (223 to 268)	191 (175 to 209)	341 (301 to 381)	2,975 (2,650 to 3,337)	3,781 (3,359 to 4,232)	4,558 (4,114 to 5,032)	532 (476 to 590)
	Death #, 2017	891 (689 to 1,126)	217 (168 to 274)	814 (501 to 1,255)	425 (334 to 533)	220 (188 to 253)	175 (149 to 204)	307 (237 to 402)	1,922 (1,446 to 2,469)	2,347 (1,775 to 3,008)	3,048 (2,486 to 3,723)	482 (388 to 600)
	% change 1990-2017	-16.3% (-38.2% to 10.5%)	**-60.2% (-71.2% to -45.9%)#**	**-47.4% (-68.3% to -18.5%)#**	**-66.2% (-74.9% to -54.5%)#**	**-27.9% (-39.7% to -14.8%)#**	-5.1% (-20.4% to 11.8%)	16.1% (-14.0% to 57.7%)	**-39.1% (-54.6% to -20.6%)#**	**-46.8% (-60.3% to -30.6%)#**	**-41.0% (-52.9% to -26.4%)#**	7.4% (-15.6% to 36.7%)
	% change 2000-2017	**-30.7% (-47.6% to -8.1%)#**	**-44.2% (-58.0% to -25.7%)#**	**-37.4% (-63.0% to -1.2%)#**	**-47.3% (-60.0% to -31.0%)#**	-10.5% (-24.7% to 6.4%)	-8.6% (-22.1% to 6.7%)	-9.9% (-30.7% to 17.2%)	**-35.4% (-51.7% to -15.3%)#**	**-37.9% (-53.3% to -19.1%)#**	**-33.1% (-46.0% to -16.5%)#**	-9.4% (-27.0% to 12.7%)
N Sulawesi	Death #, 1990	789 (686 to 905)	349 (279 to 429)	1,000 (884 to 1,127)	643 (537 to 753)	249 (231 to 269)	208 (192 to 226)	410 (358 to 465)	2,138 (1,910 to 2,391)	2,781 (2,517 to 3,052)	3,648 (3,355 to 3,959)	618 (550 to 688)
	Death #, 2000	768 (629 to 933)	206 (169 to 248)	667 (575 to 775)	348 (288 to 418)	168 (151 to 188)	147 (137 to 160)	335 (307 to 362)	1,642 (1,420 to 1,884)	1,989 (1,729 to 2,288)	2,640 (2,351 to 2,970)	483 (448 to 519)
	Death #, 2017	422 (323 to 541)	95 (73 to 122)	310 (192 to 476)	163 (126 to 205)	99 (86 to 116)	100 (88 to 116)	225 (183 to 267)	826 (627 to 1,061)	989 (751 to 1,260)	1,413 (1,185 to 1,709)	326 (272 to 381)
	% change 1990-2017	**-46.5% (-60.9% to -28.3%)#**	**-72.9% (-80.8% to -62.1%)#**	**-69.0% (-81.4% to -52.2%)#**	**-74.7% (-81.0% to -66.2%)#**	**-60.3% (-66.2% to -52.6%)#**	**-51.8% (-58.6% to -43.1%)#**	**-45.0% (-57.0% to -31.5%)#**	**-61.4% (-71.3% to -49.9%)#**	**-64.5% (-73.4% to -54.1%)#**	**-61.3% (-68.4% to -52.4%)#**	**-47.3% (-57.4% to -36.2%)#**
	% change 2000-2017	**-45.1% (-59.6% to -25.4%)#**	**-54.0% (-66.4% to -37.3%)#**	**-53.6% (-71.8% to -27.9%)#**	**-53.2% (-65.0% to -37.5%)#**	**-41.3% (-51.1% to -29.6%)#**	**-32.0% (-40.9% to -21.4%)#**	**-32.8% (-44.8% to -19.9%)#**	**-49.7% (-62.3% to -33.6%)#**	**-50.3% (-62.7% to -35.3%)#**	**-46.5% (-56.5% to -34.7%)#**	**-32.5% (-43.2% to -21.3%)#**
W Sumatra	Death #, 1990	2,678 (2,348 to 3,063)	1,359 (1,107 to 1,633)	3,896 (3,433 to 4,414)	2,992 (2,534 to 3,521)	710 (655 to 768)	456 (427 to 491)	626 (567 to 694)	7,932 (7,121 to 8,843)	10,924 (10,019 to 11,951)	12,716 (11,717 to 13,837)	1,083 (997 to 1,181)
	Death #, 2000	2,348 (2,012 to 2,693)	693 (581 to 819)	2,298 (2,009 to 2,629)	1,334 (1,125 to 1,579)	438 (397 to 481)	330 (304 to 361)	550 (493 to 623)	5,340 (4,839 to 5,846)	6,674 (6,016 to 7,345)	7,992 (7,304 to 8,706)	880 (799 to 984)
	Death #, 2017	1,176 (912 to 1,492)	270 (210 to 342)	879 (536 to 1,370)	457 (357 to 576)	268 (224 to 318)	239 (206 to 276)	456 (365 to 563)	2,325 (1,760 to 2,971)	2,782 (2,112 to 3,543)	3,745 (3,081 to 4,552)	695 (573 to 830)
	% change 1990-2017	**-56.1% (-67.7% to -42.3%)#**	**-80.1% (-85.6% to -72.9%)#**	**-77.4% (-86.5% to -64.8%)#**	**-84.7% (-88.6% to -79.8%)#**	**-62.2% (-68.8% to -54.3%)#**	**-47.7% (-55.9% to -38.2%)#**	**-27.2% (-44.1% to -6.7%)#**	**-70.7% (-78.0% to -61.9%)#**	**-74.5% (-80.8% to -67.2%)#**	**-70.5% (-76.3% to -63.5%)#**	**-35.9% (-48.5% to -21.2%)#**
	% change 2000-2017	**-49.9% (-62.6% to -33.9%)#**	**-61.1% (-71.4% to -47.1%)#**	**-61.7% (-77.2% to -39.0%)#**	**-65.8% (-74.7% to -55.1%)#**	**-38.6% (-49.3% to -25.7%)#**	**-27.7% (-38.7% to -15.0%)#**	-17.2% (-35.5% to 4.0%)	**-56.5% (-67.4% to -43.4%)#**	**-58.3% (-69.0% to -46.5%)#**	**-53.1% (-62.2% to -42.9%)#**	**-21.1% (-36.6% to -4.8%)#**
S Sumatra	Death #, 1990	3,427 (2,987 to 3,878)	1,697 (1,386 to 2,038)	4,869 (4,380 to 5,392)	3,800 (3,205 to 4,438)	913 (831 to 1,006)	561 (519 to 607)	737 (645 to 823)	9,993 (9,047 to 10,972)	13,793 (12,735 to 14,880)	16,004 (14,844 to 17,202)	1,298 (1,165 to 1,421)
	Death #, 2000	3,553 (2,954 to 4,236)	1,012 (851 to 1,192)	3,379 (2,963 to 3,842)	1,975 (1,672 to 2,331)	528 (488 to 580)	444 (419 to 474)	745 (672 to 827)	7,944 (7,044 to 8,940)	9,918 (8,746 to 11,107)	11,635 (10,407 to 12,888)	1,188 (1,096 to 1,301)
	Death #, 2017	1,582 (1,218 to 2,016)	357 (275 to 455)	1,056 (647 to 1,640)	623 (485 to 788)	316 (270 to 372)	287 (254 to 329)	551 (452 to 726)	2,995 (2,278 to 3,827)	3,618 (2,763 to 4,609)	4,773 (3,929 to 5,834)	839 (710 to 1,042)
	% change 1990-2017	**-53.8% (-66.1% to -38.6%)#**	**-79.0% (-85.0% to -71.4%)#**	**-78.3% (-87.0% to -66.4%)#**	**-83.6% (-87.7% to -78.1%)#**	**-65.4% (-71.0% to -57.0%)#**	**-48.8% (-55.7% to -39.5%)#**	-25.2% (-41.5% to 2.7%)	**-70.0% (-77.6% to -61.4%)#**	**-73.8% (-80.2% to -66.3%)#**	**-70.2% (-75.8% to -63.5%)#**	**-35.4% (-46.8% to -17.4%)#**
	% change 2000-2017	**-55.5% (-67.4% to -40.0%)#**	**-64.8% (-73.6% to -52.7%)#**	**-68.7% (-81.6% to -50.7%)#**	**-68.5% (-76.6% to -58.6%)#**	**-40.1% (-49.3% to -28.7%)#**	**-35.3% (-43.4% to -25.2%)#**	**-25.9% (-41.0% to -3.2%)#**	**-62.3% (-71.9% to -50.8%)#**	**-63.5% (-72.8% to -52.5%)#**	**-59.0% (-66.8% to -49.1%)#**	**-29.4% (-41.3% to -12.6%)#**
N Sumatra	Death #, 1990	6,329 (5,619 to 7,172)	2,994 (2,477 to 3,635)	8,603 (7,708 to 9,541)	6,117 (5,117 to 7,249)	1,526 (1,410 to 1,658)	990 (929 to 1,058)	1,390 (1,248 to 1,533)	17,925 (16,391 to 19,574)	24,043 (22,143 to 26,165)	27,949 (25,882 to 30,215)	2,380 (2,188 to 2,585)
	Death #, 2000	6,542 (5,681 to 7,377)	1,838 (1,536 to 2,173)	6,060 (5,283 to 6,969)	3,276 (2,798 to 3,830)	929 (854 to 1,007)	713 (680 to 745)	1,037 (962 to 1,120)	14,441 (13,218 to 15,827)	17,717 (16,164 to 19,413)	20,396 (18,747 to 22,135)	1,750 (1,652 to 1,853)
	Death #, 2017	3,357 (2,599 to 4,247)	760 (590 to 961)	2,379 (1,463 to 3,686)	1,286 (1,007 to 1,614)	635 (555 to 726)	526 (468 to 591)	850 (714 to 1,047)	6,496 (4,954 to 8,249)	7,781 (5,956 to 9,840)	9,792 (7,995 to 11,934)	1,376 (1,195 to 1,615)
	% change 1990-2017	**-47.0% (-60.4% to -31.5%)#**	**-74.6% (-81.5% to -65.8%)#**	**-72.3% (-83.4% to -56.7%)#**	**-79.0% (-84.3% to -72.0%)#**	**-58.4% (-64.5% to -51.1%)#**	**-46.9% (-53.9% to -38.9%)#**	**-38.8% (-51.0% to -23.1%)#**	**-63.8% (-72.7% to -52.9%)#**	**-67.6% (-75.4% to -58.3%)#**	**-65.0% (-72.0% to -56.5%)#**	**-42.2% (-51.4% to -31.1%)#**
	% change 2000-2017	**-48.7% (-61.4% to -33.5%)#**	**-58.7% (-69.7% to -43.8%)#**	**-60.7% (-76.6% to -37.5%)#**	**-60.8% (-70.6% to -49.2%)#**	**-31.7% (-41.1% to -20.8%)#**	**-26.3% (-34.5% to -16.7%)#**	**-18.0% (-31.9% to -0.1%)#**	**-55.0% (-66.2% to -42.0%)#**	**-56.1% (-66.8% to -43.5%)#**	**-52.0% (-61.4% to -40.8%)#**	**-21.4% (-31.8% to -7.6%)#**
Yogyakarta	Death #, 1990	764 (658 to 881)	312 (253 to 379)	854 (751 to 958)	574 (475 to 682)	203 (180 to 234)	177 (160 to 201)	338 (292 to 397)	1,929 (1,713 to 2,176)	2,503 (2,239 to 2,794)	3,221 (2,937 to 3,538)	515 (453 to 595)
	Death #, 2000	648 (559 to 747)	163 (137 to 190)	429 (364 to 498)	242 (207 to 284)	128 (117 to 141)	128 (118 to 140)	313 (264 to 358)	1,241 (1,114 to 1,383)	1,483 (1,339 to 1,641)	2,052 (1,890 to 2,238)	441 (383 to 494)
	Death #, 2017	308 (237 to 393)	71 (55 to 91)	226 (136 to 355)	127 (98 to 163)	84 (70 to 102)	90 (78 to 103)	243 (201 to 283)	605 (452 to 783)	732 (549 to 946)	1,148 (947 to 1,398)	332 (284 to 382)
	% change 1990-2017	**-59.7% (-70.5% to -46.9%)#**	**-77.1% (-83.6% to -68.9%)#**	**-73.5% (-84.7% to -57.4%)#**	**-77.8% (-84.0% to -69.6%)#**	**-58.6% (-67.2% to -47.2%)#**	**-49.3% (-57.3% to -39.1%)#**	**-28.2% (-43.8% to -9.9%)#**	**-68.6% (-77.2% to -58.5%)#**	**-70.7% (-78.6% to -61.7%)#**	**-64.3% (-71.3% to -56.0%)#**	**-35.5% (-47.4% to -20.8%)#**
	% change 2000-2017	**-52.5% (-63.9% to -38.2%)#**	**-56.4% (-67.6% to -42.3%)#**	**-47.4% (-69.8% to -14.1%)#**	**-47.3% (-61.2% to -30.1%)#**	**-34.4% (-46.3% to -18.5%)#**	**-30.1% (-39.9% to -18.0%)#**	**-22.6% (-37.6% to -4.2%)#**	**-51.3% (-64.1% to -35.0%)#**	**-50.6% (-63.8% to -34.9%)#**	**-44.0% (-54.7% to -31.4%)#**	**-24.8% (-37.3% to -9.1%)#**
Laos	Death #, 1990	7,344 (6,103 to 8,878)	2,489 (2,061 to 3,005)	11,253 (9,486 to 13,477)	6,732 (5,609 to 8,130)	1,360 (1,249 to 1,484)	759 (700 to 822)	999 (904 to 1,091)	21,086 (17,642 to 25,334)	27,818 (24,203 to 32,346)	30,936 (27,201 to 35,614)	1,758 (1,604 to 1,915)
	Death #, 2000	6,411 (5,578 to 7,264)	1,919 (1,513 to 2,380)	9,317 (8,017 to 10,592)	4,643 (3,756 to 5,625)	1,245 (1,149 to 1,343)	766 (713 to 817)	1,057 (974 to 1,137)	17,646 (15,354 to 19,900)	22,289 (19,336 to 25,346)	25,357 (22,251 to 28,552)	1,823 (1,690 to 1,953)
	Death #, 2017	3,745 (2,939 to 4,824)	855 (670 to 1,100)	4,203 (3,320 to 5,360)	1,476 (1,180 to 1,857)	522 (462 to 596)	403 (368 to 444)	697 (617 to 789)	8,803 (6,933 to 11,286)	10,278 (8,119 to 13,133)	11,900 (9,647 to 14,875)	1,100 (994 to 1,230)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
	% change 1990-2017	**-49.0% (-62.0% to -32.4%)#**	**-65.7% (-74.3% to -54.7%)#**	**-62.6% (-71.8% to -51.2%)#**	**-78.1% (-83.1% to -71.8%)#**	**-61.6% (-67.0% to -55.2%)#**	**-46.9% (-52.9% to -39.9%)#**	**-30.3% (-39.9% to -18.5%)#**	**-58.2% (-68.6% to -45.3%)#**	**-63.0% (-71.6% to -52.3%)#**	**-61.5% (-69.7% to -51.8%)#**	**-37.5% (-44.8% to -28.0%)#**
	% change 2000-2017	**-41.6% (-54.7% to -24.3%)#**	**-55.5% (-66.8% to -39.3%)#**	**-54.9% (-65.0% to -42.3%)#**	**-68.2% (-75.7% to -57.9%)#**	**-58.1% (-63.7% to -51.0%)#**	**-47.4% (-52.8% to -41.1%)#**	**-34.1% (-42.4% to -24.7%)#**	**-50.1% (-61.2% to -36.0%)#**	**-53.9% (-64.0% to -41.2%)#**	**-53.1% (-62.7% to -41.5%)#**	**-39.7% (-46.4% to -32.0%)#**
Malaysia	Death #, 1990	3262 (2568 to 3950)	940 (661 to 1248)	2381 (1753 to 3052)	1778 (1475 to 2115)	1094 (1075 to 1113)	933 (923 to 942)	1536 (1526 to 1545)	6583 (6199 to 6915)	8362 (8181 to 8541)	11924 (11713 to 12131)	2468 (2452 to 2485)
	Death #, 2000	1689 (1340 to 2040)	537 (388 to 714)	1130 (845 to 1461)	1224 (1076 to 1399)	850 (832 to 867)	935 (924 to 945)	1967 (1956 to 1978)	3356 (3180 to 3518)	4580 (4453 to 4690)	8332 (8173 to 8474)	2902 (2881 to 2921)
	Death #, 2017	1501 (1165 to 1897)	501 (388 to 632)	976 (663 to 1336)	701 (599 to 828)	616 (554 to 694)	733 (682 to 789)	1882 (1736 to 2044)	2978 (2514 to 3624)	3678 (3127 to 4423)	6909 (6209 to 7860)	2614 (2436 to 2824)
	% change 1990-2017	**-54.0% (-66.1% to -37.6%)#**	**-46.7% (-64.2% to -19.0%)#**	**-59.0% (-75.5% to -35.0%)#**	**-60.6% (-69.0% to -49.9%)#**	**-43.7% (-49.5% to -36.5%)#**	**-21.5% (-27.0% to -15.3%)#**	**22.5% (12.9% to 33.2%)#**	**-54.8% (-62.4% to -44.9%)#**	**-56.0% (-62.9% to -46.9%)#**	**-42.1% (-48.2% to -34.0%)#**	5.9% (-1.4% to 14.2%)
	% change 2000-2017	-11.2% (-33.1% to 18.7%)	-6.7% (-37.0% to 42.1%)	-13.7% (-47.6% to 38.3%)	**-42.7% (-52.7% to -29.2%)#**	**-27.6% (-34.6% to -18.3%)#**	**-21.6% (-27.1% to -15.6%)#**	-4.3% (-11.7% to 4.1%)	-11.3% (-26.3% to 8.3%)	**-19.7% (-31.9% to -3.0%)#**	**-17.1% (-25.7% to -6.0%)#**	**-9.9% (-16.1% to -2.8%)#**
Maldives	Death #, 1990	152 (131 to 173)	32 (22 to 44)	99 (86 to 113)	120 (96 to 149)	39 (36 to 43)	21 (20 to 22)	25 (24 to 25)	283 (253 to 313)	402 (356 to 452)	488 (438 to 542)	46 (44 to 47)
	Death #, 2000	87 (75 to 100)	14 (11 to 16)	38 (33 to 44)	34 (29 to 39)	23 (21 to 26)	19 (18 to 20)	18 (17 to 18)	139 (119 to 160)	173 (149 to 198)	232 (207 to 261)	37 (35 to 38)
	Death #, 2017	27 (22 to 34)	6 (4 to 9)	10 (8 to 12)	11 (9 to 14)	7 (6 to 9)	5 (5 to 6)	7 (7 to 8)	43 (35 to 53)	55 (45 to 67)	74 (63 to 88)	12 (12 to 13)
	% change 1990-2017	**-81.9% (-85.8% to -76.9%)#**	**-80.9% (-89.1% to -65.9%)#**	**-90.0% (-92.3% to -87.0%)#**	**-90.6% (-92.8% to -87.8%)#**	**-81.4% (-84.2% to -78.0%)#**	**-74.8% (-77.1% to -72.4%)#**	**-71.5% (-73.3% to -69.7%)#**	**-84.6% (-87.5% to -81.1%)#**	**-86.4% (-89.0% to -83.2%)#**	**-84.8% (-87.3% to -81.8%)#**	**-73.0% (-74.9% to -71.2%)#**
	% change 2000-2017	**-68.5% (-75.4% to -60.4%)#**	**-55.6% (-71.4% to -33.8%)#**	**-73.9% (-79.9% to -66.5%)#**	**-66.7% (-73.5% to -57.6%)#**	**-68.5% (-73.1% to -63.2%)#**	**-71.9% (-74.3% to -69.1%)#**	**-60.0% (-62.4% to -57.3%)#**	**-68.7% (-75.2% to -61.2%)#**	**-68.3% (-74.7% to -60.5%)#**	**-68.0% (-73.6% to -61.5%)#**	**-66.1% (-68.4% to -63.6%)#**
Mauritius	Death #, 1990	263 (243 to 283)	49 (38 to 61)	108 (92 to 127)	61 (51 to 73)	30 (29 to 32)	43 (42 to 44)	69 (68 to 70)	420 (391 to 449)	481 (450 to 514)	623 (590 to 659)	112 (110 to 114)
	Death #, 2000	175 (158 to 194)	53 (44 to 63)	74 (65 to 84)	42 (34 to 52)	26 (25 to 28)	29 (29 to 30)	57 (56 to 58)	302 (279 to 327)	344 (319 to 372)	457 (430 to 488)	87 (85 to 88)
	Death #, 2017	78 (68 to 91)	33 (29 to 39)	40 (35 to 46)	21 (18 to 25)	10 (9 to 11)	21 (20 to 22)	55 (51 to 59)	151 (132 to 175)	172 (150 to 199)	258 (232 to 290)	76 (71 to 81)
	% change 1990-2017	**-70.2% (-74.7% to -64.8%)#**	**-31.6% (-47.2% to -9.8%)#**	**-63.3% (-70.3% to -54.4%)#**	**-65.8% (-73.1% to -56.0%)#**	**-66.2% (-70.1% to -61.7%)#**	**-51.6% (-54.8% to -48.1%)#**	**-20.1% (-25.6% to -14.0%)#**	**-63.9% (-69.2% to -57.8%)#**	**-64.2% (-69.3% to -58.0%)#**	**-58.5% (-63.3% to -53.2%)#**	**-32.2% (-36.5% to -27.7%)#**
	% change 2000-2017	**-55.2% (-62.5% to -46.1%)#**	**-36.5% (-49.8% to -18.9%)#**	**-46.4% (-56.0% to -35.2%)#**	**-50.3% (-61.9% to -36.1%)#**	**-61.3% (-65.9% to -55.9%)#**	**-28.9% (-33.6% to -23.8%)#**	-4.1% (-10.7% to 3.0%)	**-49.8% (-57.6% to -41.0%)#**	**-49.9% (-57.5% to -41.0%)#**	**-43.4% (-50.0% to -35.7%)#**	**-12.5% (-18.0% to -6.7%)#**
Myanmar	Death #, 1990	42217 (30264 to 56633)	14484 (12218 to 17097)	61232 (51771 to 71752)	39386 (32198 to 46988)	9094 (8297 to 10048)	5754 (5236 to 6387)	8872 (7953 to 10229)	117933 (97531 to 141368)	157319 (131888 to 184118)	181038 (154557 to 209598)	14626 (13243 to 16662)
	Death #, 2000	34522 (26893 to 44326)	10541 (8845 to 12481)	47352 (40112 to 55943)	26554 (21674 to 31946)	7267 (6634 to 7999)	4828 (4442 to 5289)	7885 (7182 to 8820)	92416 (78746 to 108495)	118970 (101468 to 137517)	138949 (121267 to 158379)	12713 (11629 to 14123)
	Death #, 2017	15063 (11705 to 19071)	3422 (2638 to 4383)	13629 (10573 to 17388)	6447 (5032 to 8153)	3153 (2781 to 3614)	2871 (2572 to 3217)	5645 (4994 to 6583)	32114 (24947 to 40831)	38561 (30030 to 49048)	50230 (41302 to 60931)	8516 (7588 to 9712)
	% change 1990-2017	**-64.3% (-76.2% to -45.6%)#**	**-76.4% (-81.1% to -70.2%)#**	**-77.7% (-82.0% to -72.1%)#**	**-83.6% (-87.8% to -77.8%)#**	**-65.3% (-70.5% to -59.2%)#**	**-50.1% (-57.4% to -42.3%)#**	**-36.4% (-46.9% to -23.3%)#**	**-72.8% (-79.2% to -64.5%)#**	**-75.5% (-81.3% to -67.8%)#**	**-72.2% (-77.9% to -65.3%)#**	**-41.8% (-50.8% to -30.9%)#**
	% change 2000-2017	**-56.4% (-70.0% to -34.5%)#**	**-67.5% (-75.0% to -58.9%)#**	**-71.2% (-77.8% to -63.7%)#**	**-75.7% (-81.5% to -68.0%)#**	**-56.6% (-62.5% to -49.5%)#**	**-40.5% (-48.0% to -31.7%)#**	**-28.4% (-38.1% to -16.6%)#**	**-65.2% (-73.7% to -53.9%)#**	**-67.6% (-75.4% to -58.1%)#**	**-63.9% (-71.1% to -55.3%)#**	**-33.0% (-41.6% to -22.3%)#**
Philippines	Death #, 1990	31,433 (25,434 to 38,024)	9,761 (7,518 to 12,561)	36,398 (32,109 to 41,099)	41,268 (34,341 to 49,039)	12,935 (12,061 to 13,823)	7,039 (6,756 to 7,328)	7,573 (7,189 to 7,955)	77,592 (67,265 to 88,241)	118,861 (107,008 to 131,023)	146,407 (133,228 to 159,842)	14,611 (14,020 to 15,241)
	Death #, 2000	30,180 (26,198 to 34,771)	8,910 (7,525 to 10,386)	28,462 (24,083 to 33,738)	23,649 (19,331 to 28,779)	10,230 (9,544 to 10,958)	6,590 (6,299 to 6,899)	7,408 (7,039 to 7,810)	67,551 (59,488 to 76,192)	91,200 (82,427 to 101,462)	115,428 (105,714 to 126,794)	13,998 (13,359 to 14,630)
	Death #, 2017	23,702 (18,515 to 29,423)	5,988 (4,663 to 7,449)	19,799 (12,956 to 29,112)	16,599 (13,606 to 20,102)	8,314 (7,262 to 9,517)	5,991 (5,472 to 6,596)	8,621 (7,569 to 9,803)	49,489 (39,661 to 60,841)	66,088 (53,218 to 81,144)	89,014 (74,988 to 105,594)	14,612 (13,159 to 16,284)
	% change 1990-2017	-24.6% (-45.0% to 1.5%)	**-38.6% (-57.4% to -13.7%)#**	**-45.6% (-64.8% to -19.9%)#**	**-59.8% (-69.0% to -47.6%)#**	**-35.7% (-44.7% to -25.1%)#**	**-14.9% (-23.4% to -5.4%)#**	13.8% (-1.2% to 31.6%)	**-36.2% (-50.8% to -18.6%)#**	**-44.4% (-56.1% to -30.1%)#**	**-39.2% (-49.8% to -26.0%)#**	0.0% (-10.4% to 12.7%)
	% change 2000-2017	-21.5% (-39.9% to 1.6%)	**-32.8% (-49.9% to -12.7%)#**	-30.4% (-55.8% to 6.0%)	**-29.8% (-47.0% to -7.1%)#**	**-18.7% (-30.3% to -5.3%)#**	-9.1% (-17.8% to 0.9%)	**16.4% (1.6% to 32.2%)#**	**-26.7% (-43.1% to -6.9%)#**	**-27.5% (-43.4% to -8.8%)#**	**-22.9% (-36.5% to -6.3%)#**	4.4% (-6.9% to 16.9%)
Sri Lanka	Death #, 1990	4,813 (4,383 to 5,269)	1,296 (1,183 to 1,418)	2,371 (2,171 to 2,580)	2,936 (2,358 to 3,620)	1,405 (1,360 to 1,454)	1,304 (1,275 to 1,337)	2,431 (2,392 to 2,467)	8,480 (7,737 to 9,266)	11,416 (10,406 to 12,447)	16,556 (15,489 to 17,635)	3,735 (3,673 to 3,793)
	Death #, 2000	2,600 (2,204 to 3,019)	769 (596 to 983)	1,630 (1,330 to 1,967)	1,353 (1,125 to 1,643)	802 (785 to 822)	804 (790 to 818)	1,963 (1,947 to 1,982)	4,999 (4,393 to 5,614)	6,353 (5,686 to 7,048)	9,921 (9,247 to 10,602)	2,767 (2,740 to 2,794)
	Death #, 2017	1,134 (784 to 1,612)	398 (274 to 567)	501 (346 to 708)	419 (300 to 582)	330 (281 to 387)	357 (315 to 408)	905 (757 to 1,062)	2,034 (1,406 to 2,887)	2,453 (1,704 to 3,462)	4,046 (3,167 to 5,214)	1,262 (1,075 to 1,460)
	% change 1990-2017	**-76.4% (-84.2% to -66.2%)#**	**-69.3% (-79.6% to -55.8%)#**	**-78.8% (-85.9% to -69.8%)#**	**-85.7% (-90.6% to -78.7%)#**	**-76.5% (-80.2% to -72.2%)#**	**-72.6% (-75.9% to -68.7%)#**	**-62.8% (-68.8% to -56.2%)#**	**-76.0% (-84.0% to -65.7%)#**	**-78.5% (-85.6% to -69.1%)#**	**-75.6% (-81.2% to -68.1%)#**	**-66.2% (-71.2% to -60.9%)#**
	% change 2000-2017	**-56.4% (-70.4% to -36.6%)#**	**-48.3% (-67.1% to -20.3%)#**	**-69.2% (-79.3% to -54.4%)#**	**-69.0% (-79.9% to -54.1%)#**	**-58.8% (-65.0% to -51.7%)#**	**-55.6% (-60.9% to -49.1%)#**	**-53.9% (-61.5% to -46.0%)#**	**-59.3% (-72.2% to -41.4%)#**	**-61.4% (-73.4% to -45.3%)#**	**-59.2% (-68.3% to -47.7%)#**	**-54.4% (-61.1% to -47.4%)#**
Seychelles	Death #, 1990	15 (13 to 17)	4 (4 to 5)	7 (6 to 7)	6 (5 to 7)	3 (3 to 3)	3 (3 to 3)	5 (5 to 5)	26 (23 to 29)	32 (28 to 36)	43 (39 to 47)	8 (8 to 8)
	Death #, 2000	9 (7 to 10)	2 (2 to 3)	6 (5 to 6)	3 (3 to 4)	3 (3 to 3)	3 (3 to 3)	6 (6 to 6)	17 (15 to 19)	20 (17 to 23)	32 (29 to 35)	9 (9 to 9)
	Death #, 2017	8 (6 to 10)	2 (2 to 3)	6 (5 to 7)	3 (2 to 3)	2 (2 to 3)	2 (2 to 2)	5 (5 to 5)	16 (13 to 19)	19 (16 to 22)	28 (25 to 32)	7 (7 to 7)
	% change 1990-2017	**-47.0% (-60.9% to -29.1%)#**	**-46.3% (-58.8% to -30.6%)#**	-10.9% (-27.2% to 8.3%)	**-51.9% (-61.6% to -39.5%)#**	**-22.6% (-32.8% to -11.0%)#**	**-35.3% (-40.4% to -29.5%)#**	-1.9% (-7.4% to 3.8%)	**-37.8% (-50.3% to -22.8%)#**	**-40.3% (-52.2% to -26.0%)#**	**-34.2% (-44.7% to -22.3%)#**	**-15.1% (-20.0% to -9.7%)#**
	% change 2000-2017	-7.3% (-28.5% to 17.3%)	-5.3% (-31.2% to 29.9%)	3.8% (-16.8% to 31.1%)	-16.8% (-36.4% to 11.2%)	-13.1% (-25.2% to 1.1%)	**-35.9% (-41.0% to -30.1%)#**	**-15.9% (-20.5% to -11.2%)#**	-3.3% (-21.6% to 20.1%)	-5.5% (-23.6% to 17.5%)	-11.2% (-24.3% to 4.7%)	**-23.1% (-27.7% to -18.4%)#**
Thailand	Death #, 1990	12735 (10606 to 15086)	4130 (3337 to 4991)	9272 (7680 to 11130)	6257 (4889 to 7909)	6864 (6140 to 7678)	4559 (4289 to 4838)	8662 (8289 to 9011)	26137 (22234 to 30445)	32394 (28028 to 37612)	52480 (47097 to 58907)	13222 (12626 to 13805)
	Death #, 2000	6954 (5541 to 8618)	1910 (1504 to 2377)	5133 (4089 to 6324)	4511 (3438 to 5695)	4629 (4104 to 5221)	2874 (2672 to 3074)	7145 (6747 to 7532)	13997 (11716 to 16720)	18509 (15697 to 21778)	33157 (29558 to 37361)	10019 (9482 to 10565)
	Death #, 2017	2196 (1772 to 2710)	612 (490 to 764)	1436 (1057 to 1887)	1563 (1327 to 1848)	1381 (1313 to 1454)	1494 (1413 to 1570)	4222 (3811 to 4618)	4243 (3569 to 5153)	5807 (4911 to 7009)	12903 (11789 to 14161)	5715 (5240 to 6183)
	% change 1990-2017	**-82.8% (-85.8% to -79.2%)#**	**-85.2% (-88.1% to -81.5%)#**	**-84.5% (-88.5% to -79.6%)#**	**-75.0% (-80.2% to -68.0%)#**	**-79.9% (-82.1% to -77.4%)#**	**-67.2% (-69.7% to -64.6%)#**	**-51.3% (-56.2% to -46.1%)#**	**-83.8% (-85.9% to -81.1%)#**	**-82.1% (-84.2% to -79.5%)#**	**-75.4% (-77.6% to -73.2%)#**	**-56.8% (-60.6% to -52.7%)#**
	% change 2000-2017	**-68.4% (-76.4% to -58.1%)#**	**-68.0% (-76.3% to -57.3%)#**	**-72.0% (-80.0% to -60.9%)#**	**-65.3% (-73.5% to -54.2%)#**	**-70.2% (-73.7% to -66.1%)#**	**-48.0% (-52.5% to -43.3%)#**	**-40.9% (-47.5% to -34.4%)#**	**-69.7% (-76.0% to -62.0%)#**	**-68.6% (-74.8% to -61.2%)#**	**-61.1% (-66.1% to -55.5%)#**	**-43.0% (-48.6% to -37.5%)#**
	Death #, 1990	834 (681 to 993)	334 (293 to 380)	1,867 (1,643 to 2,102)	1,297 (1,073 to 1,548)	181 (170 to 193)	89 (84 to 94)	126 (114 to 135)	3,034 (2,640 to 3,440)	4,331 (3,969 to 4,726)	4,727 (4,350 to 5,134)	215 (198 to 229)
	Death #, 2000	755 (670 to 842)	179 (150 to 209)	1,304 (1,159 to 1,447)	802 (667 to 943)	134 (125 to 144)	78 (75 to 83)	104 (96 to 111)	2,237 (1,995 to 2,471)	3,039 (2,741 to 3,349)	3,355 (3,049 to 3,677)	182 (171 to 193)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Timor-Leste	Death #, 2017	491 (397 to 611)	60 (48 to 76)	418 (337 to 519)	246 (197 to 307)	86 (78 to 94)	72 (67 to 78)	124 (115 to 133)	968 (781 to 1,206)	1,214 (978 to 1,514)	1,496 (1,250 to 1,809)	196 (185 to 209)
	% change 1990-2017	**-41.1% (-55.4% to -19.9%)#**	**-82.0% (-85.9% to -77.0%)#**	**-77.6% (-82.3% to -71.5%)#**	**-81.0% (-85.7% to -75.0%)#**	**-52.8% (-57.8% to -47.0%)#**	**-19.3% (-26.5% to -11.1%)#**	-1.0% (-11.0% to 11.3%)	**-68.1% (-75.1% to -58.9%)#**	**-72.0% (-77.6% to -64.8%)#**	**-68.3% (-73.8% to -61.6%)#**	-8.6% (-16.4% to 1.2%)
	% change 2000-2017	**-35.0% (-48.4% to -18.5%)#**	**-66.3% (-74.0% to -55.8%)#**	**-68.0% (-74.5% to -59.7%)#**	**-69.3% (-76.6% to -59.5%)#**	**-36.0% (-42.9% to -27.8%)#**	-8.2% (-16.4% to 0.8%)	**19.7% (8.9% to 32.3%)#**	**-56.7% (-65.5% to -45.4%)#**	**-60.0% (-67.7% to -50.1%)#**	**-55.4% (-62.9% to -45.4%)#**	7.7% (-0.4% to 17.7%)
Vietnam	Death #, 1990	30,870 (27,559 to 34,559)	9,694 (8,156 to 11,464)	22,552 (20,147 to 25,150)	22,472 (19,386 to 26,057)	6,092 (5,530 to 7,066)	4,382 (4,047 to 4,921)	6,849 (6,098 to 7,744)	63,115 (57,092 to 69,287)	85,587 (77,997 to 93,718)	102,910 (94,675 to 111,744)	11,231 (10,169 to 12,687)
	Death #, 2000	16,347 (14,450 to 18,376)	4,241 (3,606 to 4,933)	9,730 (8,724 to 10,864)	10,657 (8,522 to 13,089)	4,178 (3,684 to 4,808)	3,982 (3,643 to 4,393)	7,745 (6,830 to 8,613)	30,318 (27,287 to 33,500)	40,975 (36,802 to 45,582)	56,880 (52,269 to 62,460)	11,727 (10,612 to 12,748)
	Death #, 2017	7,725 (5,985 to 10,056)	2,087 (1,619 to 2,723)	4,877 (3,783 to 6,334)	3,963 (3,084 to 5,097)	1,959 (1,655 to 2,274)	1,949 (1,687 to 2,185)	5,465 (4,510 to 6,104)	14,689 (11,389 to 19,109)	18,652 (14,464 to 24,203)	28,026 (22,752 to 34,518)	7,414 (6,250 to 8,237)
	% change 1990-2017	**-75.0% (-80.9% to -66.3%)#**	**-78.5% (-83.6% to -70.4%)#**	**-78.4% (-83.5% to -71.3%)#**	**-82.4% (-86.5% to -76.4%)#**	**-67.8% (-74.2% to -61.4%)#**	**-55.5% (-63.0% to -48.3%)#**	**-20.2% (-36.4% to -5.5%)#**	**-76.7% (-82.0% to -68.5%)#**	**-78.2% (-83.1% to -70.9%)#**	**-72.8% (-78.1% to -65.8%)#**	**-34.0% (-46.3% to -22.8%)#**
	% change 2000-2017	**-52.7% (-63.6% to -38.1%)#**	**-50.8% (-63.0% to -33.8%)#**	**-49.9% (-61.2% to -34.5%)#**	**-62.8% (-72.5% to -49.6%)#**	**-53.1% (-62.0% to -43.3%)#**	**-51.0% (-58.7% to -43.6%)#**	**-29.4% (-43.4% to -17.5%)#**	**-51.5% (-62.5% to -37.1%)#**	**-54.5% (-64.5% to -40.7%)#**	**-50.7% (-60.0% to -39.4%)#**	**-36.8% (-48.0% to -27.7%)#**
Sub-Saharan Africa	Death #, 1990	668,179 (648,876 to 687,695)	286,861 (277,254 to 297,551)	1,143,275 (1,116,277 to 1,170,827)	1,556,863 (1,517,493 to 1,600,605)	155,081 (152,977 to 157,273)	80,696 (78,887 to 82,610)	107,148 (103,599 to 111,146)	2,098,315 (2,053,591 to 2,147,381)	3,655,177 (3,580,237 to 3,730,741)	3,998,102 (3,920,109 to 4,076,713)	187,844 (182,666 to 193,550)
	% of global total, 1990	22.0% (21.3% to 22.7%)	22.7% (21.8% to 23.7%)	29.7% (28.9% to 30.4%)	43.1% (41.8% to 44.4%)	18.2% (17.9% to 18.4%)	17.3% (16.9% to 17.6%)	15.9% (15.4% to 16.4%)	25.7% (25.2% to 26.3%)	31.1% (30.5% to 31.6%)	29.0% (28.6% to 29.5%)	16.5% (16.1% to 16.9%)
	Death #, 2000	804,130 (777,797 to 833,036)	286,250 (274,454 to 299,028)	1,245,693 (1,209,854 to 1,284,797)	1,612,587 (1,564,516 to 1,668,633)	184,130 (181,202 to 186,937)	100,496 (97,784 to 103,352)	140,462 (134,562 to 146,777)	2,336,073 (2,274,171 to 2,399,664)	3,948,660 (3,859,014 to 4,043,176)	4,373,747 (4,279,355 to 4,471,323)	240,957 (232,510 to 250,054)
	% of global total, 2000	29.3% (28.4% to 30.2%)	31.2% (29.8% to 32.6%)	40.3% (39.2% to 41.3%)	55.1% (53.7% to 56.4%)	26.2% (25.8% to 26.6%)	20.8% (20.3% to 21.3%)	20.7% (20.0% to 21.5%)	34.6% (33.9% to 35.4%)	40.8% (40.1% to 41.5%)	37.9% (37.3% to 38.5%)	20.7% (20.2% to 21.4%)
	Death #, 2017	767,043 (716,736 to 826,442)	203,921 (190,126 to 219,727)	828,227 (780,210 to 882,415)	955,290 (894,752 to 1,022,686)	158,407 (153,074 to 163,925)	107,469 (103,599 to 111,554)	148,449 (141,941 to 156,414)	1,799,191 (1,693,149 to 1,923,859)	2,754,481 (2,588,279 to 2,946,630)	3,168,807 (2,993,802 to 3,370,464)	255,919 (246,403 to 267,355)
	% of global total, 2017	41.2% (39.3% to 43.2%)	40.2% (38.3% to 42.2%)	51.1% (49.0% to 53.1%)	68.1% (66.2% to 70.0%)	38.4% (37.4% to 39.4%)	33.6% (32.8% to 34.5%)	28.7% (27.8% to 29.8%)	45.1% (43.4% to 47.0%)	51.1% (49.2% to 53.0%)	47.7% (46.1% to 49.4%)	30.6% (29.8% to 31.6%)
	% change 1990-2017	**14.8% (6.7% to 24.6%)#**	**-28.9% (-34.3% to -22.4%)#**	**-27.6% (-32.0% to -22.7%)#**	**-38.6% (-42.8% to -33.9%)#**	2.1% (-1.5% to 6.0%)	**33.2% (28.6% to 37.8%)#**	**38.5% (32.1% to 46.4%)#**	**-14.3% (-19.3% to -7.9%)#**	**-24.6% (-29.3% to -19.2%)#**	**-20.7% (-25.2% to -15.5%)#**	**36.2% (30.8% to 42.2%)#**
	% change 2000-2017	-4.6% (-11.5% to 3.5%)	**-28.8% (-34.4% to -22.6%)#**	**-33.5% (-37.8% to -29.0%)#**	**-40.8% (-44.7% to -36.3%)#**	**-14.0% (-17.2% to -10.7%)#**	**6.9% (3.3% to 10.7%)#**	**5.7% (1.2% to 10.3%)#**	**-23.0% (-28.1% to -17.1%)#**	**-30.2% (-34.6% to -25.1%)#**	**-27.6% (-31.7% to -22.8%)#**	**6.2% (2.5% to 10.0%)#**
Central Sub-Saharan Africa	Death #, 1990	73,574 (64,322 to 83,145)	28,619 (24,336 to 33,064)	141,449 (125,936 to 156,610)	175,290 (163,181 to 188,286)	16,903 (16,113 to 17,671)	9,160 (8,751 to 9,605)	12,951 (12,148 to 13,777)	243,642 (226,980 to 261,608)	418,932 (394,092 to 444,445)	457,947 (431,399 to 484,434)	22,111 (20,921 to 23,386)
	% of global total, 1990	2.4% (2.1% to 2.8%)	2.3% (1.9% to 2.6%)	3.7% (3.3% to 4.0%)	4.8% (4.5% to 5.2%)	2.0% (1.9% to 2.1%)	2.0% (1.9% to 2.1%)	1.9% (1.8% to 2.0%)	3.0% (2.8% to 3.2%)	3.6% (3.4% to 3.8%)	3.3% (3.1% to 3.5%)	1.9% (1.8% to 2.0%)
	Death #, 2000	91,243 (82,947 to 99,831)	30,952 (27,279 to 35,073)	174,723 (162,288 to 189,191)	197,016 (182,303 to 213,887)	21,591 (20,643 to 22,587)	12,479 (11,992 to 12,982)	17,457 (16,721 to 18,264)	296,918 (277,825 to 318,396)	493,934 (464,529 to 527,383)	545,461 (514,264 to 580,286)	29,936 (28,791 to 31,177)
	% of global total, 2000	3.3% (3.0% to 3.6%)	3.4% (3.0% to 3.8%)	5.7% (5.2% to 6.1%)	6.7% (6.2% to 7.3%)	3.1% (2.9% to 3.2%)	2.6% (2.5% to 2.7%)	2.6% (2.5% to 2.7%)	4.4% (4.1% to 4.7%)	5.1% (4.8% to 5.4%)	4.7% (4.5% to 5.0%)	2.6% (2.5% to 2.7%)
	Death #, 2017	93,946 (71,719 to 122,025)	21,687 (16,107 to 28,904)	113,087 (100,085 to 127,616)	125,035 (107,449 to 145,065)	19,578 (18,059 to 21,240)	12,994 (12,122 to 13,961)	19,142 (17,597 to 20,843)	228,719 (195,535 to 268,198)	353,754 (302,999 to 414,022)	405,469 (352,439 to 467,454)	32,136 (29,872 to 34,632)
	% of global total, 2017	5.0% (3.9% to 6.5%)	4.3% (3.2% to 5.6%)	7.0% (6.2% to 7.8%)	8.9% (7.7% to 10.3%)	4.8% (4.4% to 5.1%)	4.1% (3.8% to 4.4%)	3.7% (3.4% to 4.0%)	5.7% (4.9% to 6.7%)	6.6% (5.6% to 7.6%)	6.1% (5.3% to 7.0%)	3.8% (3.6% to 4.2%)
	% change 1990-2017	27.7% (-11.5% to 86.1%)	-24.2% (-49.3% to 12.1%)	**-20.1% (-31.6% to -6.1%)#**	**-28.7% (-40.4% to -15.9%)#**	**15.8% (6.0% to 28.2%)#**	**41.9% (31.1% to 54.4%)#**	**47.8% (33.6% to 64.6%)#**	-6.1% (-20.4% to 11.4%)	**-15.6% (-28.6% to -0.1%)#**	-11.5% (-24.0% to 3.5%)	**45.3% (33.2% to 60.0%)#**
	% change 2000-2017	3.0% (-23.2% to 36.1%)	**-29.9% (-49.4% to -4.9%)#**	**-35.3% (-44.6% to -25.5%)#**	**-36.5% (-46.5% to -25.1%)#**	**-9.3% (-17.4% to -0.3%)#**	4.1% (-3.8% to 12.7%)	**9.7% (1.0% to 19.8%)#**	**-23.0% (-35.1% to -8.2%)#**	**-28.4% (-39.8% to -15.2%)#**	**-25.7% (-36.4% to -13.3%)#**	7.3% (-0.4% to 16.3%)
Angola	Death #, 1990	18,221 (15,657 to 21,177)	9,645 (8,175 to 11,111)	33,420 (27,907 to 39,390)	48,175 (43,377 to 53,032)	4,115 (3,796 to 4,408)	2,256 (2,086 to 2,429)	3,076 (2,749 to 3,378)	61,286 (54,674 to 68,298)	109,461 (99,023 to 119,866)	118,908 (108,054 to 129,805)	5,332 (4,847 to 5,813)
	Death #, 2000	21,240 (17,703 to 25,118)	9,659 (8,186 to 11,350)	37,296 (31,975 to 42,732)	51,723 (47,037 to 56,634)	4,875 (4,562 to 5,217)	2,692 (2,530 to 2,874)	3,696 (3,391 to 3,979)	68,196 (61,164 to 75,131)	119,919 (109,624 to 130,491)	131,182 (120,327 to 142,193)	6,388 (5,922 to 6,846)
	Death #, 2017	20,678 (16,256 to 25,941)	3,574 (2,795 to 4,510)	21,750 (17,123 to 27,172)	22,154 (17,839 to 27,388)	4,318 (3,818 to 4,857)	2,584 (2,316 to 2,875)	3,489 (3,030 to 3,971)	46,002 (36,241 to 57,761)	68,156 (54,086 to 85,149)	78,547 (63,976 to 95,706)	6,074 (5,362 to 6,811)
	% change 1990-2017	13.5% (-18.7% to 52.7%)	**-63.0% (-72.9% to -49.6%)#**	**-34.9% (-47.7% to -19.1%)#**	**-54.0% (-64.7% to -41.8%)#**	4.9% (-8.9% to 19.9%)	**14.6% (0.3% to 31.1%)#**	13.4% (-3.9% to 34.0%)	**-24.9% (-42.0% to -5.0%)#**	**-37.7% (-51.9% to -21.0%)#**	**-33.9% (-47.3% to -18.3%)#**	13.9% (-1.9% to 32.1%)
	% change 2000-2017	-2.6% (-28.9% to 31.8%)	**-63.0% (-72.0% to -51.5%)#**	**-41.7% (-56.5% to -23.6%)#**	**-57.2% (-66.1% to -46.1%)#**	-11.4% (-22.9% to 1.3%)	-4.0% (-14.6% to 8.5%)	-5.6% (-18.1% to 9.5%)	**-32.5% (-47.9% to -13.0%)#**	**-43.2% (-55.4% to -27.3%)#**	**-40.1% (-51.7% to -24.7%)#**	-4.9% (-16.5% to 8.7%)
C African Rep	Death #, 1990	3,879 (3,222 to 4,593)	1,550 (1,234 to 1,901)	6,807 (6,098 to 7,516)	6,782 (5,783 to 7,889)	951 (879 to 1,023)	533 (496 to 573)	860 (791 to 939)	12,235 (11,041 to 13,561)	19,017 (17,001 to 21,227)	21,360 (19,276 to 23,669)	1,393 (1,294 to 1,508)
	Death #, 2000	5,135 (4,008 to 6,364)	1,960 (1,550 to 2,424)	9,107 (7,750 to 10,561)	9,686 (8,088 to 11,520)	1,450 (1,316 to 1,597)	834 (749 to 926)	1,230 (1,058 to 1,430)	16,201 (13,713 to 18,992)	25,887 (22,220 to 30,152)	29,402 (25,618 to 33,896)	2,065 (1,819 to 2,341)
	Death #, 2017	5,391 (3,978 to 7,410)	1,752 (1,304 to 2,377)	7,657 (5,721 to 10,344)	7,617 (5,904 to 9,835)	1,330 (1,179 to 1,486)	1,001 (883 to 1,127)	1,797 (1,535 to 2,056)	14,800 (11,002 to 20,109)	22,417 (16,918 to 30,011)	26,545 (20,989 to 34,281)	2,798 (2,444 to 3,138)
	% change 1990-2017	39.0% (-0.3% to 100.1%)	13.1% (-20.2% to 58.7%)	12.5% (-17.6% to 55.4%)	12.3% (-14.6% to 47.2%)	**39.9% (22.8% to 59.2%)#**	**87.8% (65.1% to 113.4%)#**	**109.1% (79.2% to 140.8%)#**	21.0% (-11.4% to 65.5%)	17.9% (-11.5% to 58.6%)	24.3% (-2.7% to 61.5%)	**100.9% (76.8% to 128.0%)#**
	% change 2000-2017	5.0% (-26.0% to 53.8%)	-10.6% (-35.0% to 27.8%)	-15.9% (-36.9% to 13.2%)	-21.4% (-40.7% to 4.4%)	-8.3% (-19.5% to 4.3%)	**20.0% (4.6% to 36.3%)#**	**46.1% (26.6% to 67.4%)#**	-8.7% (-32.6% to 24.5%)	-13.4% (-34.9% to 16.2%)	-9.7% (-29.1% to 16.6%)	**35.5% (18.6% to 53.2%)#**
Congo	Death #, 1990	2,077 (1,627 to 2,578)	493 (309 to 730)	2,807 (2,490 to 3,141)	4,069 (3,484 to 4,722)	556 (509 to 606)	356 (325 to 384)	658 (585 to 730)	5,377 (4,613 to 6,190)	9,445 (8,510 to 10,467)	11,015 (10,032 to 12,108)	1,014 (912 to 1,109)
	Death #, 2000	2,838 (2,248 to 3,526)	650 (486 to 856)	3,750 (3,310 to 4,232)	5,452 (4,875 to 6,071)	827 (772 to 888)	593 (539 to 648)	901 (787 to 1,028)	7,239 (6,362 to 8,225)	12,691 (11,441 to 14,057)	15,012 (13,770 to 16,404)	1,494 (1,339 to 1,667)
	Death #, 2017	2,056 (1,467 to 2,838)	362 (240 to 538)	1,967 (1,454 to 2,612)	2,382 (1,857 to 3,070)	663 (582 to 752)	498 (437 to 571)	797 (636 to 977)	4,385 (3,375 to 5,758)	6,767 (5,226 to 8,826)	8,725 (7,153 to 10,811)	1,295 (1,080 to 1,536)
	% change 1990-2017	-1.0% (-36.9% to 58.0%)	-26.5% (-62.5% to 45.9%)	**-29.9% (-50.3% to -2.7%)#**	**-41.5% (-55.1% to -23.9%)#**	**19.1% (2.6% to 38.5%)#**	**20.1% (20.2% to 62.8%)#**	21.1% (-5.7% to 52.5%)	-18.4% (-38.9% to 12.6%)	**-28.4% (-44.9% to -6.2%)#**	**-20.8% (-36.0% to -1.5%)#**	**27.8% (4.5% to 55.1%)#**
	% change 2000-2017	-27.6% (-52.3% to 9.3%)	**-44.2% (-67.0% to -4.3%)#**	**-47.6% (-63.0% to -27.0%)#**	**-56.3% (-65.8% to -44.1%)#**	**-19.9% (-29.9% to -8.9%)#**	**-16.0% (-27.2% to -1.9%)#**	-11.5% (-28.4% to 7.1%)	**-39.4% (-54.2% to -19.0%)#**	**-46.7% (-58.4% to -30.6%)#**	**-41.9% (-52.6% to -27.6%)#**	-13.3% (-27.2% to 2.9%)
Congo DR	Death #, 1990	47,882 (39,342 to 56,961)	16,474 (12,755 to 20,681)	96,277 (82,349 to 110,398)	113,899 (102,589 to 125,729)	10,964 (10,215 to 11,701)	5,826 (5,449 to 6,220)	8,064 (7,343 to 8,753)	160,633 (144,765 to 176,202)	274,532 (251,621 to 297,768)	299,385 (275,058 to 323,535)	13,890 (12,838 to 14,936)
	Death #, 2000	60,414 (53,049 to 67,843)	18,262 (15,052 to 22,022)	122,506 (111,605 to 135,049)	128,057 (113,868 to 144,002)	14,099 (13,258 to 15,003)	8,149 (7,714 to 8,610)	11,292 (10,620 to 12,022)	201,182 (184,089 to 221,272)	329,238 (301,696 to 359,030)	362,778 (333,791 to 394,109)	19,441 (18,353 to 20,577)
	Death #, 2017	64,524 (42,357 to 93,095)	15,699 (10,177 to 22,823)	80,626 (69,222 to 93,183)	91,921 (75,423 to 111,767)	12,930 (11,506 to 14,487)	8,634 (7,838 to 9,546)	12,657 (11,260 to 14,260)	160,849 (129,668 to 197,939)	252,770 (204,928 to 309,868)	286,991 (237,023 to 344,069)	21,291 (19,268 to 23,718)
	% change 1990-2017	34.8% (-22.0% to 126.9%)	-4.7% (-47.1% to 70.8%)	-16.3% (-32.3% to 4.6%)	-19.3% (-36.0% to 0.8%)	**17.9% (3.5% to 34.7%)#**	**48.2% (31.6% to 67.2%)#**	**57.0% (35.7% to 83.9%)#**	0.1% (-20.6% to 27.3%)	-7.9% (-26.6% to 15.6%)	-4.1% (-21.7% to 18.1%)	**53.3% (35.2% to 75.4%)#**
	% change 2000-2017	6.8% (-29.8% to 57.4%)	-14.0% (-45.8% to 32.5%)	**-34.2% (-45.8% to -21.3%)#**	**-28.2% (-42.8% to -10.4%)#**	-8.3% (-19.7% to 5.1%)	6.0% (-5.7% to 18.5%)	12.1% (-0.2% to 26.9%)	-20.1% (-37.0% to 0.4%)	**-23.2% (-38.7% to -4.8%)#**	**-20.9% (-35.7% to -3.5%)#**	9.5% (-1.8% to 22.6%)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Eq Guinea	Death #, 1990	776 (651 to 922)	271 (228 to 320)	1252 (1051 to 1475)	1444 (1217 to 1701)	157 (139 to 179)	86 (75 to 100)	126 (103 to 151)	2299 (1935 to 2717)	3743 (3138 to 4404)	4113 (3491 to 4796)	212 (178 to 249)
	Death #, 2000	829 (653 to 1038)	246 (195 to 306)	1257 (1006 to 1551)	1393 (1148 to 1675)	175 (149 to 203)	97 (80 to 115)	134 (104 to 164)	2331 (1854 to 2896)	3724 (3002 to 4566)	4131 (3346 to 5071)	232 (185 to 278)
	Death #, 2017	577 (397 to 846)	120 (83 to 175)	619 (430 to 899)	529 (379 to 750)	211 (173 to 246)	159 (124 to 191)	212 (164 to 260)	1316 (909 to 1920)	1845 (1289 to 2670)	2427 (1799 to 3318)	371 (301 to 444)
	% change 1990-2017	-25.6% (-50.4% to 8.3%)	**-55.8% (-70.4% to -35.7%)#**	**-50.5% (-66.7% to -28.3%)#**	**-63.4% (-74.7% to -47.4%)#**	**34.3% (10.0% to 60.8%)#**	**83.8% (44.2% to 129.2%)#**	**68.7% (29.6% to 120.3%)#**	**-42.8% (-61.7% to -16.8%)#**	**-50.7% (-66.6% to -28.6%)#**	**-41.0% (-57.8% to -19.1%)#**	**74.8% (40.9% to 118.3%)#**
	% change 2000-2017	-30.4% (-52.1% to 1.1%)	**-51.2% (-66.2% to -29.6%)#**	**-50.7% (-65.6% to -29.2%)#**	**-62.0% (-72.8% to -47.0%)#**	20.9% (-1.4% to 46.9%)	**62.9% (28.0% to 106.8%)#**	**57.5% (24.2% to 100.1%)#**	**-43.5% (-61.0% to -18.4%)#**	**-50.5% (-65.4% to -29.4%)#**	**-41.2% (-56.9% to -20.4%)#**	**59.8% (29.6% to 99.5%)#**
Gabon	Death #, 1990	739 (629 to 872)	186 (139 to 242)	886 (769 to 1,007)	922 (775 to 1,082)	161 (149 to 174)	103 (95 to 111)	168 (150 to 186)	1,811 (1,605 to 2,035)	2,733 (2,409 to 3,072)	3,166 (2,819 to 3,523)	271 (245 to 297)
	Death #, 2000	787 (664 to 926)	176 (134 to 223)	807 (707 to 916)	705 (571 to 850)	166 (153 to 180)	113 (103 to 123)	204 (178 to 234)	1,770 (1,541 to 2,033)	2,475 (2,137 to 2,856)	2,958 (2,599 to 3,354)	317 (283 to 354)
	Death #, 2017	721 (561 to 931)	180 (139 to 233)	467 (368 to 597)	432 (337 to 550)	126 (108 to 144)	118 (101 to 136)	191 (161 to 221)	1,368 (1,067 to 1,763)	1,800 (1,404 to 2,311)	2,233 (1,823 to 2,742)	308 (266 to 350)
	% change 1990-2017	-2.5% (-27.4% to 30.3%)	-3.3% (-32.8% to 38.2%)	**-47.3% (-59.2% to -30.5%)#**	**-53.2% (-64.1% to -38.8%)#**	**-22.0% (-34.2% to -9.1%)#**	14.3% (-2.9% to 33.5%)	13.2% (-7.2% to 37.6%)	**-24.5% (-42.1% to -2.3%)#**	**-34.2% (-49.0% to -15.4%)#**	**-29.4% (-43.1% to -12.6%)#**	13.6% (-4.5% to 32.5%)
	% change 2000-2017	-8.4% (-31.0% to 22.1%)	2.4% (-24.8% to 42.5%)	**-42.1% (-55.3% to -24.7%)#**	**-38.7% (-53.9% to -18.2%)#**	**-24.5% (-36.1% to -12.4%)#**	4.3% (-11.5% to 23.4%)	-6.5% (-23.2% to 11.1%)	-22.7% (-41.2% to 0.9%)	**-27.3% (-44.4% to -5.0%)#**	**-24.5% (-40.1% to -4.8%)#**	-2.7% (-17.8% to 13.0%)
Eastern Sub-Saharan Africa	Death #, 1990	260,060 (252,944 to 267,162)	121,007 (118,099 to 124,208)	499,372 (488,098 to 511,119)	566,357 (550,988 to 581,386)	68,615 (67,375 to 69,936)	38,682 (38,022 to 39,359)	53,978 (52,730 to 55,230)	880,439 (860,364 to 901,788)	1,446,796 (1,418,594 to 1,475,425)	1,608,070 (1,578,565 to 1,638,497)	92,659 (90,913 to 94,550)
	% of global total, 1990	8.6% (8.3% to 8.8%)	9.6% (9.2% to 10.0%)	13.0% (12.6% to 13.4%)	15.7% (15.1% to 16.2%)	8.0% (7.9% to 8.2%)	8.3% (8.2% to 8.4%)	8.0% (7.8% to 8.2%)	10.8% (10.5% to 11.1%)	12.3% (12.1% to 12.6%)	11.7% (11.5% to 11.9%)	8.1% (8.0% to 8.3%)
	Death #, 2000	302,396 (294,113 to 311,177)	113,094 (109,900 to 116,502)	493,302 (480,345 to 507,163)	534,453 (519,883 to 548,305)	77,783 (76,136 to 79,249)	45,081 (44,083 to 46,114)	64,557 (62,665 to 66,616)	908,792 (887,230 to 930,741)	1,443,245 (1,412,485 to 1,473,333)	1,630,666 (1,597,417 to 1,662,983)	109,638 (106,951 to 112,161)
	% of global total, 2000	11.0% (10.7% to 11.4%)	12.3% (11.8% to 12.8%)	15.9% (15.5% to 16.4%)	18.3% (17.7% to 18.9%)	11.1% (10.8% to 11.3%)	9.3% (9.1% to 9.5%)	9.5% (9.2% to 9.8%)	13.5% (13.1% to 13.8%)	14.9% (14.6% to 15.2%)	14.1% (13.9% to 14.4%)	9.4% (9.2% to 9.7%)
	Death #, 2017	261,699 (246,176 to 278,429)	72,269 (68,279 to 76,466)	275,489 (259,198 to 292,670)	239,701 (226,802 to 253,308)	59,555 (56,932 to 62,175)	45,207 (43,107 to 47,710)	66,138 (62,879 to 69,436)	609,457 (574,197 to 646,160)	849,158 (801,366 to 898,587)	1,020,057 (969,079 to 1,073,588)	111,345 (107,021 to 115,885)
	% of global total, 2017	14.1% (13.2% to 15.0%)	14.2% (13.4% to 15.2%)	17.0% (16.0% to 18.1%)	17.1% (16.0% to 18.3%)	14.4% (13.9% to 15.1%)	14.1% (13.6% to 14.8%)	12.8% (12.2% to 13.4%)	15.3% (14.4% to 16.2%)	15.8% (14.9% to 16.8%)	15.4% (14.6% to 16.2%)	13.3% (12.8% to 13.8%)
	% change 1990-2017	0.6% (-5.7% to 7.6%)	**-40.3% (-43.7% to -36.5%)#**	**-44.8% (-48.2% to -41.0%)#**	**-57.7% (-60.2% to -55.1%)#**	**-13.2% (-17.4% to -8.9%)#**	**16.9% (11.3% to 24.1%)#**	**22.5% (16.2% to 28.8%)#**	**-30.8% (-34.8% to -26.1%)#**	**-41.3% (-44.8% to -37.5%)#**	**-36.6% (-39.9% to -33.1%)#**	**20.2% (15.4% to 25.1%)#**
	% change 2000-2017	**-13.5% (-19.0% to -7.8%)#**	**-36.1% (-39.9% to -32.0%)#**	**-44.1% (-47.5% to -40.5%)#**	**-55.1% (-57.7% to -52.3%)#**	**-23.4% (-27.0% to -19.5%)#**	0.3% (-4.5% to 6.2%)	2.5% (-1.9% to 6.9%)	**-32.9% (-36.9% to -28.7%)#**	**-41.2% (-44.5% to -37.6%)#**	**-37.5% (-40.7% to -34.0%)#**	1.6% (-2.1% to 5.5%)
Burundi	Death #, 1990	6,865 (6,253 to 7,487)	3,290 (3,001 to 3,594)	12,816 (11,726 to 14,000)	18,996 (17,441 to 20,808)	2,030 (1,893 to 2,171)	1,098 (1,013 to 1,188)	1,559 (1,392 to 1,729)	22,971 (20,954 to 25,075)	41,968 (38,658 to 45,615)	46,654 (43,162 to 50,458)	2,657 (2,409 to 2,912)
	Death #, 2000	7,837 (7,074 to 8,605)	3,759 (3,400 to 4,119)	14,487 (13,131 to 15,859)	19,436 (17,763 to 21,264)	3,436 (3,238 to 3,647)	2,340 (2,214 to 2,475)	3,656 (3,447 to 3,900)	26,082 (23,598 to 28,551)	45,519 (41,906 to 49,402)	54,951 (51,025 to 59,045)	5,996 (5,681 to 6,366)
	Death #, 2017	7,420 (5,953 to 9,364)	2,940 (2,352 to 3,715)	10,030 (8,038 to 12,651)	10,420 (8,392 to 13,046)	1,859 (1,665 to 2,096)	1,256 (1,118 to 1,431)	1,928 (1,660 to 2,274)	20,389 (16,348 to 25,702)	30,810 (24,717 to 38,859)	35,852 (29,555 to 44,028)	3,184 (2,805 to 3,665)
	% change 1990-2017	8.1% (-13.9% to 36.2%)	-10.7% (-28.8% to 13.0%)	**-21.7% (-37.5% to -1.0%)#**	**-45.1% (-56.0% to -30.4%)#**	-8.4% (-19.9% to 4.7%)	14.4% (-0.3% to 32.5%)	**23.7% (2.1% to 49.4%)#**	-11.2% (-29.1% to 12.2%)	**-26.6% (-41.1% to -7.4%)#**	**-23.1% (-36.3% to -5.2%)#**	**19.9% (2.2% to 40.4%)#**
	% change 2000-2017	-5.3% (-24.5% to 19.8%)	**-21.8% (-37.8% to -0.8%)#**	**-30.8% (-45.0% to -12.4%)#**	**-46.4% (-57.1% to -32.8%)#**	**-45.9% (-52.2% to -38.5%)#**	**-46.4% (-52.9% to -38.7%)#**	**-47.2% (-54.5% to -38.5%)#**	**-21.8% (-37.8% to -0.9%)#**	**-32.3% (-45.8% to -15.1%)#**	**-34.8% (-46.3% to -19.7%)#**	**-46.9% (-52.9% to -39.4%)#**
Comoros	Death #, 1990	652 (564 to 739)	247 (213 to 279)	771 (670 to 873)	593 (508 to 671)	105 (96 to 113)	63 (58 to 68)	88 (80 to 97)	1,671 (1,451 to 1,889)	2,264 (1,966 to 2,550)	2,520 (2,211 to 2,814)	151 (139 to 165)
	Death #, 2000	684 (583 to 800)	161 (137 to 188)	635 (550 to 732)	457 (396 to 524)	91 (82 to 100)	56 (51 to 60)	79 (72 to 86)	1,480 (1,277 to 1,716)	1,937 (1,674 to 2,240)	2,162 (1,878 to 2,482)	134 (124 to 145)
	Death #, 2017	323 (230 to 452)	61 (43 to 85)	208 (149 to 291)	135 (97 to 186)	55 (49 to 64)	42 (38 to 47)	67 (62 to 75)	592 (422 to 830)	726 (519 to 1,015)	891 (671 to 1,196)	109 (101 to 121)
	% change 1990-2017	**-50.5% (-65.0% to -29.0%)#**	**-75.5% (-82.6% to -64.9%)#**	**-73.0% (-80.8% to -61.7%)#**	**-77.3% (-84.0% to -67.6%)#**	**-47.4% (-54.2% to -37.8%)#**	**-32.6% (-40.3% to -23.7%)#**	**-24.6% (-34.0% to -13.1%)#**	**-64.6% (-74.9% to -49.2%)#**	**-67.9% (-77.3% to -54.7%)#**	**-64.7% (-73.5% to -52.0%)#**	**-28.0% (-35.8% to -18.1%)#**
	% change 2000-2017	**-52.9% (-66.0% to -34.5%)#**	**-62.4% (-72.8% to -47.7%)#**	**-67.2% (-76.0% to -54.3%)#**	**-70.5% (-78.4% to -59.9%)#**	**-39.3% (-47.9% to -27.6%)#**	**-23.7% (-32.2% to -13.6%)#**	**-15.1% (-24.1% to -4.5%)#**	**-60.0% (-70.9% to -44.4%)#**	**-62.5% (-72.8% to -47.9%)#**	**-58.8% (-68.5% to -45.1%)#**	**-18.7% (-26.8% to -9.4%)#**
Djibouti	Death #, 1990	401 (338 to 469)	165 (139 to 192)	670 (567 to 780)	691 (596 to 797)	101 (91 to 111)	64 (57 to 71)	92 (76 to 108)	1,235 (1,045 to 1,442)	1,926 (1,636 to 2,236)	2,183 (1,881 to 2,520)	156 (134 to 179)
	Death #, 2000	536 (423 to 679)	188 (150 to 236)	815 (656 to 1,014)	845 (687 to 1,038)	99 (86 to 114)	66 (57 to 77)	104 (81 to 126)	1,539 (1,228 to 1,929)	2,384 (1,919 to 2,964)	2,653 (2,137 to 3,276)	170 (137 to 201)
	Death #, 2017	360 (245 to 532)	96 (66 to 142)	363 (249 to 530)	288 (199 to 411)	89 (78 to 109)	65 (57 to 78)	113 (96 to 139)	820 (560 to 1,204)	1,107 (759 to 1,615)	1,374 (1,006 to 1,938)	178 (154 to 219)
	% change 1990-2017	-10.2% (-40.2% to 30.9%)	**-41.5% (-60.8% to -15.0%)#**	**-45.7% (-63.5% to -21.4%)#**	**-58.4% (-71.0% to -40.9%)#**	-12.3% (-25.0% to 10.9%)	1.2% (-12.9% to 24.4%)	22.6% (-1.7% to 57.2%)	**-33.6% (-55.7% to -3.7%)#**	**-42.5% (-61.2% to -16.9%)#**	**-37.1% (-54.7% to -11.3%)#**	13.9% (-4.3% to 43.1%)
	% change 2000-2017	**-32.8% (-53.2% to -0.8%)#**	**-48.8% (-64.2% to -25.1%)#**	**-55.4% (-68.8% to -35.3%)#**	**-65.9% (-75.6% to -51.4%)#**	-10.6% (-24.2% to 11.6%)	-1.6% (-16.4% to 18.6%)	9.1% (-10.4% to 37.8%)	**-46.8% (-62.8% to -22.1%)#**	**-53.5% (-67.5% to -32.8%)#**	**-48.2% (-61.8% to -27.0%)#**	5.0% (-11.8% to 28.7%)
Eritrea	Death #, 1990	4,104 (3,457 to 4,779)	1,978 (1,696 to 2,272)	7,420 (6,341 to 8,550)	15,377 (13,961 to 16,862)	3,366 (3,292 to 3,445)	2,695 (2,654 to 2,737)	5,190 (5,120 to 5,266)	13,502 (11,471 to 15,580)	28,879 (26,186 to 31,565)	40,130 (37,366 to 42,917)	7,885 (7,777 to 7,999)
	Death #, 2000	3,484 (2,765 to 4,272)	1,209 (956 to 1,489)	5,020 (4,004 to 6,138)	7,389 (5,969 to 9,094)	1,041 (951 to 1,136)	662 (615 to 713)	1,253 (1,140 to 1,371)	9,714 (7,765 to 11,902)	17,103 (13,709 to 20,705)	20,059 (16,572 to 23,812)	1,915 (1,763 to 2,077)
	Death #, 2017	3,050 (2,126 to 4,401)	852 (596 to 1,222)	3,210 (2,266 to 4,563)	3,448 (2,451 to 4,776)	736 (635 to 841)	581 (515 to 655)	1,197 (1,012 to 1,400)	7,112 (4,988 to 10,186)	10,560 (7,463 to 14,973)	13,074 (9,853 to 17,527)	1,778 (1,536 to 2,035)
	% change 1990-2017	-25.7% (-49.2% to 8.5%)	**-57.0% (-70.5% to -37.9%)#**	**-56.7% (-70.5% to -37.5%)#**	**-77.6% (-84.0% to -68.5%)#**	**-78.1% (-81.2% to -75.0%)#**	**-78.4% (-81.0% to -75.7%)#**	**-76.9% (-80.4% to -73.1%)#**	**-47.3% (-64.0% to -23.7%)#**	**-63.4% (-74.2% to -47.7%)#**	**-67.4% (-75.6% to -55.8%)#**	**-77.5% (-80.5% to -74.3%)#**
	% change 2000-2017	-12.5% (-38.5% to 24.9%)	-29.6% (-50.2% to 0.5%)	**-36.1% (-54.4% to -8.9%)#**	**-53.3% (-65.8% to -34.5%)#**	**-29.3% (-38.9% to -18.0%)#**	**-12.2% (-22.5% to -1.1%)#**	-4.5% (-18.4% to 9.6%)	-26.8% (-48.3% to 4.4%)	**-38.3% (-55.6% to -13.2%)#**	**-34.8% (-50.5% to -12.4%)#**	-7.2% (-19.0% to 5.3%)
Ethiopia	Death #, 1990	85,360 (80,933 to 90,092)	41,842 (39,757 to 43,911)	131,415 (125,361 to 137,517)	161,252 (151,505 to 170,793)	21,571 (20,892 to 22,303)	12,564 (12,135 to 13,019)	17,387 (16,667 to 18,132)	258,617 (246,251 to 271,009)	419,869 (403,107 to 437,399)	471,391 (454,258 to 489,891)	29,951 (28,769 to 31,108)
	Death #, 2000	101,598 (96,807 to 106,759)	39,988 (38,122 to 41,981)	130,120 (124,048 to 136,244)	159,145 (150,570 to 167,454)	24,939 (24,078 to 25,820)	15,045 (14,568 to 15,611)	22,974 (22,284 to 23,731)	271,707 (259,341 to 284,609)	430,852 (412,412 to 447,928)	493,809 (474,347 to 512,265)	38,019 (36,925 to 39,249)
	Death #, 2017	70,242 (63,180 to 78,820)	19,492 (17,528 to 21,899)	59,100 (53,285 to 66,228)	49,658 (44,862 to 55,272)	11,725 (10,936 to 12,491)	8,830 (8,437 to 9,247)	13,342 (12,462 to 14,305)	148,833 (134,023 to 166,908)	198,492 (178,943 to 222,280)	232,389 (211,983 to 257,521)	22,172 (21,035 to 23,356)
	% change 1990-2017	**-17.7% (-27.2% to -6.6%)#**	**-53.4% (-58.9% to -47.1%)#**	**-55.0% (-60.0% to -49.1%)#**	**-69.2% (-72.7% to -65.0%)#**	**-45.6% (-49.7% to -41.6%)#**	**-29.7% (-33.6% to -25.6%)#**	**-23.3% (-29.1% to -17.1%)#**	**-42.5% (-49.0% to -34.8%)#**	**-52.7% (-58.0% to -46.4%)#**	**-50.7% (-55.5% to -44.7%)#**	**-26.0% (-30.5% to -21.3%)#**
	% change 2000-2017	**-30.9% (-38.5% to -21.8%)#**	**-51.3% (-56.7% to -45.0%)#**	**-54.6% (-59.4% to -48.9%)#**	**-68.8% (-72.3% to -64.8%)#**	**-53.0% (-56.6% to -49.4%)#**	**-41.3% (-44.7% to -37.9%)#**	**-41.9% (-45.9% to -37.9%)#**	**-45.2% (-51.2% to -38.2%)#**	**-53.9% (-58.9% to -48.0%)#**	**-52.9% (-57.5% to -47.7%)#**	**-41.7% (-44.9% to -38.3%)#**
	Death #, 1990	18,868 (18,153 to 19,591)	6,262 (6,024 to 6,521)	33,429 (32,525 to 34,344)	27,443 (26,567 to 28,409)	4,342 (4,247 to 4,436)	2,509 (2,449 to 2,565)	3,528 (3,395 to 3,666)	58,559 (57,054 to 59,951)	86,002 (84,181 to 87,703)	96,381 (94,473 to 98,267)	6,037 (5,860 to 6,214)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Kenya	Death #, 2000	24,490 (23,717 to 25,322)	6,883 (6,633 to 7,159)	35,816 (34,805 to 36,904)	29,720 (28,778 to 30,700)	5,811 (5,661 to 5,952)	3,399 (3,305 to 3,493)	5,380 (5,138 to 5,626)	67,189 (65,427 to 69,066)	96,909 (94,479 to 99,205)	111,500 (108,957 to 114,019)	8,780 (8,461 to 9,102)
	Death #, 2017	20,893 (19,962 to 21,807)	5,850 (5,573 to 6,126)	19,631 (18,350 to 21,019)	13,540 (13,002 to 14,039)	4,907 (4,711 to 5,122)	4,363 (4,113 to 4,684)	7,825 (7,463 to 8,209)	46,373 (44,648 to 48,095)	59,914 (57,643 to 62,076)	77,008 (74,680 to 79,387)	12,187 (11,696 to 12,720)
	% change 1990-2017	**10.7% (4.2% to 17.4%)#**	**-6.6% (-12.4% to -0.9%)#**	**-41.3% (-45.4% to -36.8%)#**	**-50.7% (-53.1% to -48.4%)#**	**13.0% (7.8% to 18.9%)#**	**73.9% (63.4% to 86.9%)#**	**121.8% (108.9% to 136.1%)#**	**-20.8% (-24.3% to -17.2%)#**	**-30.3% (-33.1% to -27.5%)#**	**-20.1% (-22.8% to -17.1%)#**	**101.9% (92.6% to 112.9%)#**
	% change 2000-2017	**-14.7% (-19.2% to -10.1%)#**	**-15.0% (-19.8% to -9.9%)#**	**-45.2% (-48.8% to -41.3%)#**	**-54.4% (-56.8% to -52.1%)#**	**-15.6% (-19.6% to -11.2%)#**	**28.3% (20.6% to 38.2%)#**	**45.4% (37.7% to 53.6%)#**	**-31.0% (-34.1% to -27.8%)#**	**-38.2% (-41.0% to -35.4%)#**	**-30.9% (-33.5% to -28.3%)#**	**38.8% (32.6% to 45.7%)#**
Madagascar	Death #, 1990	12,286 (11,057 to 13,605)	7,264 (6,577 to 8,083)	25,657 (23,341 to 28,459)	28,763 (25,920 to 31,446)	5,457 (5,164 to 5,807)	2,800 (2,679 to 2,933)	3,050 (2,871 to 3,242)	45,206 (41,129 to 49,739)	73,969 (68,546 to 80,147)	85,277 (79,462 to 92,137)	5,851 (5,559 to 6,159)
	Death #, 2000	15,429 (13,537 to 17,418)	6,429 (5,717 to 7,165)	25,900 (23,153 to 28,748)	25,083 (21,699 to 28,667)	4,500 (4,138 to 4,821)	2,389 (2,234 to 2,539)	3,015 (2,809 to 3,225)	47,758 (42,415 to 53,366)	72,841 (64,977 to 80,845)	82,745 (74,362 to 91,303)	5,404 (5,059 to 5,757)
	Death #, 2017	19,961 (15,028 to 26,683)	5,764 (4,365 to 7,647)	25,251 (19,149 to 33,388)	21,011 (16,264 to 27,032)	3,514 (3,074 to 4,074)	2,272 (2,022 to 2,582)	3,493 (3,009 to 4,093)	50,976 (38,528 to 67,717)	71,987 (54,773 to 94,752)	81,265 (63,528 to 104,515)	5,764 (5,067 to 6,622)
	% change 1990-2017	**62.5% (20.7% to 120.5%)#**	-20.6% (-40.7% to 6.3%)	-1.6% (-26.0% to 31.2%)	**-26.9% (-43.2% to -5.6%)#**	**-35.6% (-44.6% to -24.5%)#**	**-18.9% (-29.0% to -7.6%)#**	14.5% (-2.3% to 35.0%)	12.8% (-15.3% to 50.8%)	-2.7% (-25.7% to 28.3%)	-4.7% (-25.6% to 22.8%)	-1.5% (-14.3% to 13.9%)
	% change 2000-2017	29.4% (-3.9% to 73.1%)	-10.3% (-32.7% to 19.1%)	-2.5% (-26.1% to 29.1%)	-16.2% (-35.8% to 10.2%)	**-21.9% (-32.8% to -7.9%)#**	-4.9% (-16.1% to 9.3%)	**15.8% (0.3% to 35.4%)#**	6.7% (-19.7% to 41.6%)	-1.2% (-24.8% to 29.6%)	-1.8% (-23.3% to 26.8%)	6.7% (-6.1% to 23.6%)
Malawi	Death #, 1990	16,430 (15,078 to 17,866)	6,983 (6,187 to 7,845)	35,040 (31,161 to 39,171)	41,958 (38,111 to 45,633)	3,467 (3,294 to 3,639)	1,759 (1,684 to 1,842)	2,330 (2,157 to 2,551)	58,453 (53,032 to 64,313)	100,411 (94,314 to 106,499)	107,967 (101,696 to 114,324)	4,089 (3,861 to 4,346)
	Death #, 2000	14,107 (13,178 to 15,163)	5,249 (4,596 to 5,904)	26,972 (23,720 to 30,267)	33,682 (30,356 to 37,406)	4,108 (3,784 to 4,449)	1,987 (1,765 to 2,216)	2,544 (2,227 to 3,047)	46,329 (42,072 to 50,657)	80,011 (75,065 to 85,413)	88,651 (83,374 to 94,456)	4,532 (4,067 to 5,180)
	Death #, 2017	12,097 (9,691 to 15,244)	3,202 (2,564 to 4,045)	11,311 (9,092 to 14,177)	11,561 (9,380 to 14,339)	3,235 (2,851 to 3,684)	2,775 (2,444 to 3,189)	4,616 (3,443 to 5,854)	26,610 (21,347 to 33,502)	38,171 (30,725 to 47,695)	48,795 (41,468 to 58,420)	7,390 (6,152 to 8,653)
	% change 1990-2017	**-26.4% (-41.5% to -6.1%)#**	**-54.1% (-64.4% to -40.9%)#**	**-67.7% (-74.8% to -58.6%)#**	**-72.5% (-77.8% to -65.5%)#**	-6.7% (-18.3% to 6.8%)	**57.8% (37.3% to 83.5%)#**	**98.1% (49.8% to 148.3%)#**	**-54.5% (-64.1% to -41.6%)#**	**-62.0% (-69.4% to -52.1%)#**	**-54.8% (-62.2% to -45.7%)#**	**80.7% (51.1% to 112.0%)#**
	% change 2000-2017	-14.2% (-32.0% to 9.6%)	**-39.0% (-52.9% to -19.6%)#**	**-58.1% (-67.4% to -45.2%)#**	**-65.7% (-72.7% to -56.8%)#**	**-21.3% (-32.1% to -7.7%)#**	**39.6% (18.4% to 66.4%)#**	**81.4% (44.6% to 120.0%)#**	**-42.6% (-55.2% to -26.2%)#**	**-52.3% (-61.6% to -39.9%)#**	**-45.0% (-54.1% to -33.3%)#**	**63.1% (39.2% to 89.2%)#**
Mozambique	Death #, 1990	25,501 (23,240 to 27,898)	11,275 (10,338 to 12,232)	53,977 (50,015 to 58,127)	51,869 (47,968 to 56,309)	5,469 (5,168 to 5,780)	2,928 (2,782 to 3,081)	3,828 (3,550 to 4,089)	90,754 (83,921 to 97,940)	142,623 (132,777 to 153,229)	154,848 (144,583 to 166,113)	6,756 (6,343 to 7,164)
	Death #, 2000	24,439 (21,448 to 27,750)	8,216 (7,474 to 9,040)	47,186 (43,272 to 51,056)	41,156 (36,831 to 45,803)	5,288 (4,969 to 5,625)	2,606 (2,442 to 2,766)	3,774 (3,462 to 4,159)	79,840 (74,024 to 85,663)	120,996 (111,171 to 130,549)	132,663 (122,607 to 142,741)	6,379 (5,929 to 6,845)
	Death #, 2017	20,566 (16,451 to 25,735)	4,494 (3,615 to 5,590)	28,838 (23,247 to 35,685)	19,434 (16,005 to 23,664)	8,054 (7,183 to 9,064)	5,925 (5,293 to 6,641)	8,419 (6,734 to 10,033)	53,899 (43,319 to 66,969)	73,332 (59,259 to 90,498)	95,730 (80,737 to 113,719)	14,344 (12,443 to 16,226)
	% change 1990-2017	-19.4% (-35.7% to 1.4%)	**-60.1% (-68.1% to -50.3%)#**	**-46.6% (-57.3% to -33.5%)#**	**-62.5% (-69.5% to -53.8%)#**	**47.3% (29.1% to 68.4%)#**	**102.3% (77.8% to 129.6%)#**	**120.0% (74.2% to 163.9%)#**	**-40.6% (-52.6% to -26.0%)#**	**-48.6% (-58.7% to -36.1%)#**	**-38.2% (-48.9% to -25.5%)#**	**112.3% (83.8% to 144.3%)#**
	% change 2000-2017	-15.8% (-35.1% to 8.2%)	**-45.3% (-56.9% to -30.9%)#**	**-38.9% (-51.1% to -23.2%)#**	**-52.8% (-62.4% to -41.7%)#**	**52.3% (33.2% to 73.2%)#**	**127.4% (100.6% to 158.4%)#**	**123.1% (82.8% to 160.0%)#**	**-32.5% (-46.0% to -15.3%)#**	**-39.4% (-51.1% to -24.6%)#**	**-27.8% (-40.0% to -12.6%)#**	**124.8% (95.1% to 152.3%)#**
Rwanda	Death #, 1990	9376 (8386 to 10404)	4318 (3864 to 4774)	15512 (14044 to 17086)	22712 (21151 to 24192)	2728 (2593 to 2860)	1572 (1491 to 1653)	2365 (2205 to 2547)	29207 (27268 to 31157)	51919 (48533 to 55110)	58583 (55056 to 61889)	3936 (3701 to 4181)
	Death #, 2000	9656 (7172 to 12525)	4262 (3327 to 5202)	18809 (16332 to 21260)	28066 (25171 to 31308)	2717 (2551 to 2883)	1790 (1689 to 1918)	2756 (2581 to 2950)	32727 (29879 to 35724)	60793 (56473 to 65311)	68055 (63455 to 72813)	4546 (4288 to 4828)
	Death #, 2017	5773 (4708 to 7075)	1883 (1541 to 2299)	6095 (3903 to 9432)	5577 (4447 to 7065)	1163 (1020 to 1330)	971 (853 to 1132)	1485 (1289 to 1711)	13751 (10825 to 17631)	19328 (15280 to 24737)	22948 (18892 to 28476)	2457 (2181 to 2768)
	% change 1990-2017	**-38.4% (-50.6% to -23.1%)#**	**-56.4% (-65.0% to -45.6%)#**	**-60.7% (-75.6% to -38.7%)#**	**-75.4% (-80.8% to -68.9%)#**	**-57.4% (-63.0% to -50.3%)#**	**-38.2% (-46.5% to -27.1%)#**	**-37.2% (-46.5% to -25.7%)#**	**-52.9% (-63.6% to -39.5%)#**	**-62.8% (-71.1% to -52.3%)#**	**-60.8% (-68.5% to -51.4%)#**	**-37.6% (-46.0% to -27.7%)#**
	% change 2000-2017	**-40.2% (-57.3% to -16.1%)#**	**-55.8% (-66.7% to -40.7%)#**	**-67.6% (-79.5% to -50.5%)#**	**-80.1% (-84.4% to -74.7%)#**	**-57.2% (-62.9% to -50.2%)#**	**-45.7% (-53.1% to -35.9%)#**	**-46.1% (-53.7% to -37.7%)#**	**-58.0% (-67.1% to -45.5%)#**	**-68.2% (-75.2% to -59.3%)#**	**-66.3% (-72.7% to -58.1%)#**	**-46.0% (-52.5% to -38.4%)#**
Somalia	Death #, 1990	10,420 (9,107 to 11,788)	6,545 (5,754 to 7,362)	22,685 (20,083 to 25,433)	29,068 (26,119 to 32,247)	2,794 (2,573 to 3,062)	1,734 (1,574 to 1,935)	2,203 (1,936 to 2,595)	39,650 (34,914 to 44,583)	68,718 (61,134 to 76,763)	75,450 (67,488 to 83,754)	3,938 (3,522 to 4,526)
	Death #, 2000	12,744 (11,000 to 14,758)	7,459 (6,422 to 8,554)	26,440 (23,084 to 30,364)	29,246 (25,788 to 33,032)	2,683 (2,388 to 3,033)	1,627 (1,414 to 1,907)	2,692 (2,269 to 3,397)	46,643 (40,820 to 53,317)	75,890 (66,764 to 85,759)	82,891 (72,825 to 93,394)	4,318 (3,700 to 5,294)
	Death #, 2017	11,506 (8,777 to 15,236)	5,589 (4,283 to 7,350)	19,642 (15,041 to 25,853)	19,594 (15,240 to 25,332)	3,671 (3,002 to 4,583)	2,488 (2,090 to 3,107)	3,702 (3,143 to 4,698)	36,737 (28,116 to 48,337)	56,331 (43,315 to 73,701)	66,191 (51,773 to 85,920)	6,190 (5,224 to 7,787)
	% change 1990-2017	10.4% (-16.3% to 46.6%)	-14.6% (-35.1% to 13.2%)	-13.4% (-33.9% to 14.5%)	**-32.6% (-47.1% to -12.7%)#**	**31.4% (8.0% to 61.9%)#**	**43.5% (20.4% to 76.4%)#**	**68.0% (39.4% to 110.7%)#**	-7.3% (-29.6% to 22.9%)	-18.0% (-37.2% to 7.7%)	-12.3% (-32.0% to 14.0%)	**57.2% (31.2% to 95.2%)#**
	% change 2000-2017	-9.7% (-31.0% to 19.2%)	**-25.1% (-42.8% to -2.5%)#**	**-25.7% (-42.8% to -2.4%)#**	**-33.0% (-47.1% to -13.5%)#**	**36.8% (15.8% to 62.0%)#**	**53.0% (31.5% to 82.1%)#**	**37.5% (13.2% to 65.7%)#**	-21.2% (-39.4% to 2.8%)	**-25.8% (-42.3% to -3.4%)#**	-20.1% (-37.1% to 2.1%)	**43.3% (21.4% to 71.8%)#**
S Sudan	Death #, 1990	7,766 (6,551 to 9,155)	3,152 (2,673 to 3,693)	15,862 (13,448 to 18,536)	16,908 (14,295 to 19,946)	2,005 (1,834 to 2,182)	1,156 (1,031 to 1,287)	1,611 (1,318 to 1,884)	26,780 (22,691 to 31,405)	43,688 (37,086 to 51,050)	48,460 (41,486 to 56,228)	2,767 (2,359 to 3,151)
	Death #, 2000	9,305 (8,084 to 10,630)	3,307 (2,878 to 3,769)	16,070 (13,989 to 18,301)	15,538 (13,239 to 17,989)	1,994 (1,818 to 2,190)	1,160 (1,024 to 1,300)	1,736 (1,424 to 2,018)	28,682 (24,946 to 32,689)	44,220 (38,974 to 49,875)	49,110 (43,482 to 55,148)	2,896 (2,454 to 3,311)
	Death #, 2017	11,663 (9,317 to 14,530)	3,717 (2,988 to 4,598)	16,308 (13,120 to 20,080)	14,960 (12,253 to 18,022)	2,366 (2,071 to 2,721)	1,570 (1,370 to 1,868)	2,313 (1,963 to 2,713)	31,687 (25,433 to 39,199)	46,647 (37,725 to 57,175)	52,897 (43,373 to 63,923)	3,884 (3,410 to 4,507)
	% change 1990-2017	**50.2% (16.1% to 91.4%)#**	17.9% (-8.1% to 48.7%)	2.8% (-19.4% to 29.6%)	-11.5% (-30.3% to 11.1%)	**18.0% (2.8% to 35.7%)#**	**35.9% (20.9% to 61.0%)#**	**43.6% (21.5% to 76.3%)#**	18.3% (-7.8% to 49.6%)	6.8% (-16.3% to 34.9%)	9.2% (-12.6% to 35.0%)	**40.4% (23.2% to 65.9%)#**
	% change 2000-2017	25.3% (-2.6% to 58.7%)	12.4% (-11.9% to 41.2%)	1.5% (-20.3% to 27.2%)	-3.7% (-22.3% to 19.3%)	**18.6% (4.6% to 35.3%)#**	**35.4% (19.8% to 60.9%)#**	**33.2% (16.1% to 56.7%)#**	10.5% (-13.5% to 39.0%)	5.5% (-15.6% to 29.8%)	7.7% (-12.2% to 30.3%)	**34.1% (19.4% to 53.8%)#**
Tanzania	Death #, 1990	29,964 (26,530 to 33,710)	13,664 (12,733 to 14,664)	68,789 (64,176 to 73,711)	60,232 (56,689 to 63,795)	6,955 (6,558 to 7,339)	3,719 (3,536 to 3,912)	5,020 (4,580 to 5,565)	112,418 (104,406 to 120,966)	172,650 (162,112 to 183,958)	188,343 (177,337 to 200,228)	8,738 (8,159 to 9,394)
	Death #, 2000	35,957 (32,181 to 40,026)	11,710 (10,300 to 13,071)	64,791 (57,209 to 72,118)	59,021 (53,126 to 65,063)	8,652 (7,926 to 9,335)	4,641 (4,297 to 4,988)	5,649 (4,975 to 6,481)	112,458 (101,340 to 123,693)	171,479 (159,472 to 184,111)	190,421 (177,551 to 203,437)	10,290 (9,409 to 11,265)
	Death #, 2017	38,110 (29,662 to 49,416)	8,510 (6,651 to 11,002)	36,862 (28,917 to 47,358)	33,956 (27,054 to 43,228)	7,519 (6,289 to 8,932)	5,962 (4,764 to 7,738)	7,463 (6,166 to 8,844)	83,483 (65,230 to 107,819)	117,438 (92,314 to 150,805)	138,382 (112,587 to 172,262)	13,425 (11,557 to 15,528)
	% change 1990-2017	27.2% (-4.8% to 69.1%)	**-37.7% (-51.7% to -19.1%)#**	**-46.4% (-58.2% to -30.7%)#**	**-43.6% (-55.4% to -29.1%)#**	8.1% (-10.4% to 31.9%)	**60.3% (26.2% to 108.9%)#**	**48.7% (22.8% to 76.3%)#**	**-25.7% (-42.7% to -3.9%)#**	**-32.0% (-47.3% to -13.4%)#**	**-26.5% (-40.9% to -8.3%)#**	**53.6% (30.9% to 78.5%)#**
	% change 2000-2017	6.0% (-20.4% to 39.2%)	**-27.3% (-44.7% to -4.6%)#**	**-43.1% (-56.6% to -25.5%)#**	**-42.5% (-55.1% to -26.3%)#**	-13.1% (-28.1% to 5.7%)	**28.5% (2.4% to 68.2%)#**	**32.1% (12.6% to 53.6%)#**	**-25.8% (-42.8% to -3.2%)#**	**-31.5% (-46.7% to -11.8%)#**	**-27.3% (-42.0% to -8.9%)#**	**30.5% (13.3% to 51.2%)#**
Uganda	Death #, 1990	24,194 (21,807 to 26,693)	9,309 (8,367 to 10,223)	53,189 (47,679 to 58,546)	64,904 (58,969 to 71,281)	5,854 (5,095 to 6,507)	2,638 (2,437 to 2,883)	3,553 (3,095 to 4,198)	86,691 (78,070 to 95,296)	151,595 (142,851 to 160,916)	163,640 (154,523 to 173,347)	6,191 (5,618 to 6,892)
	Death #, 2000	31,999 (29,652 to 34,514)	9,487 (8,512 to 10,497)	57,727 (53,608 to 62,002)	60,286 (56,105 to 65,042)	8,875 (8,264 to 9,852)	5,482 (5,045 to 6,338)	6,575 (5,393 to 7,967)	99,213 (91,881 to 106,615)	159,499 (148,561 to 171,091)	180,431 (168,770 to 192,660)	12,057 (10,648 to 13,636)
	Death #, 2017	29,238 (24,261 to 35,161)	6,584 (5,491 to 7,864)	26,497 (22,126 to 31,556)	24,439 (20,597 to 28,725)	7,776 (6,389 to 9,424)	5,592 (4,608 to 6,855)	6,740 (5,502 to 8,042)	62,319 (51,888 to 74,522)	86,758 (72,419 to 103,327)	106,866 (91,872 to 124,513)	12,332 (10,607 to 14,235)
	% change 1990-2017	20.9% (-1.8% to 51.1%)	**-29.3% (-42.4% to -12.7%)#**	**-50.2% (-59.2% to -38.8%)#**	**-62.4% (-68.9% to -54.6%)#**	**32.8% (8.1% to 67.9%)#**	**112.0% (72.7% to 164.6%)#**	**89.7% (50.0% to 126.7%)#**	**-28.1% (-41.4% to -11.1%)#**	**-42.8% (-52.5% to -30.7%)#**	**-34.7% (-43.9% to -22.9%)#**	**99.2% (68.1% to 133.6%)#**
	% change 2000-2017	-8.6% (-25.4% to 11.1%)	**-30.6% (-43.4% to -13.7%)#**	**-54.1% (-62.4% to -44.9%)#**	**-59.5% (-66.2% to -52.0%)#**	-12.4% (-31.6% to 8.6%)	2.0% (-20.8% to 27.4%)	2.5% (-12.8% to 21.3%)	**-37.2% (-48.7% to -23.9%)#**	**-45.6% (-55.2% to -34.6%)#**	**-40.8% (-49.9% to -30.3%)#**	2.3% (-11.4% to 17.3%)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Zambia	Death #, 1990	7,741 (7,107 to 8,412)	4,651 (4,325 to 4,997)	21,886 (20,339 to 23,453)	25,302 (23,109 to 27,707)	2,336 (2,199 to 2,479)	1,363 (1,301 to 1,427)	2,145 (1,961 to 2,394)	34,278 (31,844 to 36,887)	59,580 (55,515 to 63,910)	65,425 (61,144 to 69,953)	3,508 (3,285 to 3,791)
	Death #, 2000	9,946 (8,161 to 11,973)	4,717 (4,192 to 5,334)	22,213 (20,227 to 24,395)	25,057 (22,031 to 28,240)	3,502 (3,250 to 3,750)	1,805 (1,643 to 1,988)	2,331 (2,063 to 2,737)	36,877 (32,806 to 41,391)	61,933 (56,446 to 67,904)	69,571 (63,874 to 75,788)	4,135 (3,736 to 4,639)
	Death #, 2017	10,333 (7,891 to 13,631)	3,191 (2,445 to 4,203)	11,970 (9,197 to 15,692)	11,529 (9,011 to 14,991)	2,849 (2,514 to 3,219)	2,486 (2,178 to 2,884)	3,395 (2,733 to 4,122)	25,494 (19,534 to 33,547)	37,023 (28,536 to 48,360)	45,754 (37,061 to 57,642)	5,881 (5,105 to 6,697)
	% change 1990-2017	**33.5% (1.6% to 77.0%)#**	**-31.4% (-47.1% to -9.9%)#**	**-45.3% (-57.9% to -28.1%)#**	**-54.4% (-64.9% to -40.0%)#**	**21.9% (6.4% to 40.2%)#**	**82.4% (59.2% to 116.0%)#**	**58.3% (31.6% to 87.2%)#**	**-25.6% (-42.8% to -2.1%)#**	**-37.9% (-52.1% to -17.9%)#**	**-30.1% (-43.7% to -11.6%)#**	**67.6% (47.2% to 90.5%)#**
	% change 2000-2017	3.9% (-25.2% to 41.0%)	**-32.4% (-49.0% to -10.3%)#**	**-46.1% (-58.6% to -29.1%)#**	**-54.0% (-65.0% to -37.6%)#**	**-18.7% (-29.7% to -5.5%)#**	**37.8% (17.4% to 64.8%)#**	**45.7% (22.2% to 72.1%)#**	**-30.9% (-47.7% to -8.3%)#**	**-40.2% (-53.9% to -21.4%)#**	**-34.2% (-46.7% to -17.1%)#**	**42.2% (24.8% to 63.1%)#**
Southern Sub-Saharan Africa	Death #, 1990	30,675 (29,177 to 32,282)	10,594 (9,981 to 11,233)	40,204 (38,057 to 42,367)	30,996 (29,351 to 32,712)	7,731 (7,506 to 7,954)	4,078 (3,986 to 4,170)	7,019 (6,710 to 7,443)	81,473 (77,649 to 85,256)	112,469 (107,297 to 117,457)	131,297 (125,794 to 136,554)	11,097 (10,733 to 11,547)
	% of global total, 1990	1.0% (0.9% to 1.1%)	0.8% (0.8% to 0.9%)	1.0% (1.0% to 1.1%)	0.9% (0.8% to 0.9%)	0.9% (0.9% to 0.9%)	0.9% (0.8% to 0.9%)	1.0% (1.0% to 1.1%)	1.0% (0.9% to 1.1%)	1.0% (0.9% to 1.0%)	0.9% (0.9% to 1.0%)	1.0% (0.9% to 1.0%)
	Death #, 2000	29,141 (27,434 to 30,992)	9,838 (9,132 to 10,621)	51,264 (48,508 to 54,240)	35,078 (32,763 to 37,370)	10,164 (9,799 to 10,540)	6,894 (6,675 to 7,098)	14,745 (14,069 to 15,670)	90,244 (85,628 to 95,339)	125,322 (119,039 to 131,980)	157,124 (150,469 to 164,314)	21,638 (20,839 to 22,653)
	% of global total, 2000	1.1% (1.0% to 1.1%)	1.1% (1.0% to 1.2%)	1.7% (1.6% to 1.8%)	1.2% (1.1% to 1.3%)	1.4% (1.4% to 1.5%)	1.4% (1.4% to 1.5%)	2.2% (2.1% to 2.3%)	1.3% (1.3% to 1.4%)	1.3% (1.2% to 1.4%)	1.4% (1.3% to 1.4%)	1.9% (1.8% to 1.9%)
	Death #, 2017	20,005 (18,179 to 22,130)	6,228 (5,689 to 6,877)	23,900 (21,905 to 26,231)	14,504 (13,337 to 15,869)	6,756 (6,278 to 7,345)	5,745 (5,340 to 6,316)	10,654 (9,976 to 11,433)	50,133 (45,960 to 54,971)	64,637 (59,417 to 70,852)	87,792 (81,846 to 94,614)	16,399 (15,496 to 17,386)
	% of global total, 2017	1.1% (1.0% to 1.2%)	1.2% (1.1% to 1.4%)	1.5% (1.3% to 1.6%)	1.0% (0.9% to 1.1%)	1.6% (1.5% to 1.8%)	1.8% (1.7% to 2.0%)	2.1% (1.9% to 2.2%)	1.3% (1.1% to 1.4%)	1.2% (1.1% to 1.3%)	1.3% (1.2% to 1.4%)	2.0% (1.9% to 2.1%)
	% change 1990-2017	**-34.8% (-41.5% to -27.0%)#**	**-41.2% (-46.9% to -34.4%)#**	**-40.5% (-46.2% to -34.1%)#**	**-53.2% (-57.7% to -48.6%)#**	**-12.6% (-19.4% to -4.5%)#**	**40.9% (30.3% to 55.4%)#**	**51.8% (40.9% to 62.9%)#**	**-38.5% (-44.2% to -31.9%)#**	**-42.5% (-47.7% to -36.7%)#**	**-33.1% (-38.4% to -27.8%)#**	**47.8% (39.3% to 57.8%)#**
	% change 2000-2017	**-31.4% (-38.1% to -23.3%)#**	**-36.7% (-43.0% to -29.5%)#**	**-53.4% (-57.6% to -48.6%)#**	**-58.6% (-62.5% to -54.3%)#**	**-33.5% (-38.8% to -27.0%)#**	**-16.7% (-22.7% to -8.1%)#**	**-27.8% (-32.0% to -23.4%)#**	**-44.5% (-49.5% to -38.5%)#**	**-48.4% (-52.9% to -43.0%)#**	**-44.1% (-48.2% to -39.6%)#**	**-24.2% (-28.0% to -20.0%)#**
Botswana	Death #, 1990	737 (594 to 905)	175 (117 to 250)	601 (469 to 746)	640 (542 to 752)	149 (131 to 168)	111 (98 to 123)	193 (162 to 232)	1,512 (1,294 to 1,774)	2,153 (1,883 to 2,463)	2,605 (2,323 to 2,955)	304 (261 to 350)
	Death #, 2000	738 (558 to 938)	160 (114 to 217)	867 (701 to 1,049)	1,004 (839 to 1,195)	160 (141 to 182)	116 (100 to 135)	269 (197 to 395)	1,766 (1,511 to 2,011)	2,770 (2,375 to 3,187)	3,315 (2,879 to 3,771)	386 (301 to 518)
	Death #, 2017	421 (309 to 581)	87 (70 to 107)	243 (180 to 330)	274 (212 to 359)	103 (91 to 117)	89 (78 to 111)	198 (176 to 226)	751 (568 to 1,009)	1,026 (780 to 1,369)	1,415 (1,156 to 1,768)	287 (259 to 321)
	% change 1990-2017	**-42.8% (-59.3% to -20.1%)#**	**-50.1% (-68.0% to -22.3%)#**	**-59.6% (-71.8% to -37.2%)#**	**-57.2% (-67.5% to -42.8%)#**	**-30.9% (-41.8% to -16.9%)#**	-19.6% (-32.2% to 3.4%)	2.2% (-14.0% to 23.2%)	**-50.3% (-63.3% to -31.4%)#**	**-52.4% (-64.2% to -35.9%)#**	**-45.7% (-56.9% to -31.1%)#**	-5.7% (-19.3% to 12.2%)
	% change 2000-2017	**-42.9% (-59.7% to -16.0%)#**	**-45.6% (-59.9% to -24.4%)#**	**-72.0% (-80.5% to -59.6%)#**	**-72.7% (-79.3% to -63.5%)#**	**-35.5% (-45.9% to -21.7%)#**	-23.7% (-37.5% to 2.6%)	**-26.6% (-44.9% to -2.1%)#**	**-57.4% (-68.1% to -43.4%)#**	**-63.0% (-72.0% to -50.8%)#**	**-57.3% (-65.7% to -46.4%)#**	**-25.7% (-41.9% to -3.6%)#**
Lesotho	Death #, 1990	1,940 (1,557 to 2,345)	351 (288 to 419)	1,803 (1,458 to 2,162)	851 (733 to 977)	300 (278 to 321)	212 (194 to 229)	342 (300 to 381)	4,095 (3,508 to 4,726)	4,946 (4,292 to 5,633)	5,800 (5,119 to 6,527)	554 (494 to 609)
	Death #, 2000	1,751 (1,493 to 2,026)	342 (295 to 393)	2,144 (1,768 to 2,619)	1,075 (850 to 1,343)	403 (371 to 437)	262 (240 to 284)	574 (494 to 704)	4,237 (3,740 to 4,803)	5,312 (4,678 to 6,036)	6,552 (5,899 to 7,352)	836 (742 to 969)
	Death #, 2017	906 (704 to 1,123)	200 (156 to 247)	972 (652 to 1,415)	582 (465 to 718)	371 (324 to 417)	330 (289 to 378)	606 (484 to 741)	2,078 (1,640 to 2,584)	2,659 (2,108 to 3,295)	3,966 (3,334 to 4,679)	935 (794 to 1,083)
	% change 1990-2017	**-53.3% (-66.0% to -36.0%)#**	**-43.0% (-58.8% to -21.8%)#**	**-46.1% (-68.0% to -13.8%)#**	**-31.6% (-47.1% to -11.8%)#**	**23.5% (6.5% to 41.6%)#**	**55.7% (32.9% to 82.7%)#**	**77.0% (37.5% to 120.0%)#**	**-49.3% (-61.2% to -33.9%)#**	**-46.2% (-58.5% to -30.7%)#**	**-31.6% (-43.9% to -16.4%)#**	**68.9% (39.7% to 100.6%)#**
	% change 2000-2017	**-48.3% (-61.3% to -31.4%)#**	**-41.4% (-55.0% to -25.1%)#**	**-54.7% (-70.0% to -32.3%)#**	**-45.9% (-60.0% to -26.8%)#**	-8.1% (-21.0% to 6.4%)	**25.9% (8.0% to 46.8%)#**	5.4% (-11.7% to 24.1%)	**-51.0% (-62.1% to -37.6%)#**	**-49.9% (-61.1% to -36.9%)#**	**-39.5% (-49.7% to -27.4%)#**	11.8% (-3.5% to 27.6%)
Namibia	Death #, 1990	1096 (995 to 1211)	235 (207 to 264)	984 (893 to 1084)	1036 (890 to 1190)	198 (185 to 213)	137 (128 to 145)	241 (219 to 262)	2314 (2118 to 2539)	3350 (3037 to 3688)	3926 (3593 to 4285)	378 (348 to 406)
	Death #, 2000	937 (840 to 1038)	212 (183 to 246)	1166 (1054 to 1281)	1013 (876 to 1161)	306 (283 to 330)	196 (180 to 212)	413 (360 to 483)	2314 (2114 to 2527)	3327 (3013 to 3656)	4241 (3905 to 4591)	609 (546 to 689)
	Death #, 2017	805 (635 to 1030)	160 (127 to 203)	772 (616 to 977)	529 (428 to 661)	201 (169 to 238)	223 (183 to 280)	348 (277 to 436)	1737 (1375 to 2210)	2266 (1809 to 2869)	3038 (2549 to 3702)	571 (478 to 672)
	% change 1990-2017	**-26.5% (-42.8% to -4.4%)#**	**-32.0%** (-46.8% to -11.8%)#	-21.5% (-38.9% to 0.7%)	**-48.9% (-60.2% to -32.4%)#**	1.7% (-16.5% to 21.7%)	**63.1% (32.8% to 103.5%)#**	**44.4% (12.9% to 82.4%)#**	**-24.9% (-41.5% to -3.9%)#**	**-32.4% (-47.3% to -13.5%)#**	**-22.6% (-36.7% to -4.4%)#**	**51.2% (24.7% to 80.6%)#**
	% change 2000-2017	-14.1% (-32.5% to 10.9%)	**-24.6% (-43.3% to -1.1%)#**	**-33.7% (-48.4% to -15.6%)#**	**-47.7% (-59.5% to -33.9%)#**	**-34.2% (-46.0% to -20.9%)#**	13.9% (-7.6% to 44.6%)	-15.7% (-31.7% to 2.8%)	**-24.9% (-41.4% to -4.0%)#**	**-31.9% (-46.9% to -13.4%)#**	**-28.4% (-40.9% to -13.1%)#**	-6.2% (-21.8% to 11.2%)
S Africa	Death #, 1990	20,082 (18,822 to 21,446)	7,621 (7,037 to 8,235)	27,210 (25,285 to 29,130)	20,175 (18,677 to 21,783)	5,707 (5,523 to 5,887)	2,700 (2,633 to 2,770)	4,408 (4,280 to 4,537)	54,913 (51,474 to 58,383)	75,088 (70,618 to 79,878)	87,902 (83,248 to 92,940)	7,108 (6,915 to 7,299)
	Death #, 2000	17,956 (16,407 to 19,659)	6,608 (5,976 to 7,317)	34,077 (31,575 to 36,809)	21,941 (20,167 to 24,025)	6,341 (6,111 to 6,610)	4,511 (4,420 to 4,606)	10,220 (9,899 to 10,731)	58,640 (54,344 to 63,349)	80,581 (74,930 to 86,706)	101,653 (95,716 to 108,153)	14,731 (14,378 to 15,255)
	Death #, 2017	9,361 (8,518 to 10,341)	3,300 (2,986 to 3,670)	13,112 (11,812 to 14,591)	7,080 (6,461 to 7,795)	3,531 (3,343 to 3,727)	2,836 (2,751 to 2,922)	6,131 (5,714 to 6,650)	25,773 (23,393 to 28,506)	32,853 (29,844 to 36,309)	45,351 (41,942 to 49,106)	8,967 (8,523 to 9,525)
	% change 1990-2017	**-53.4% (-58.4% to -48.2%)#**	**-56.7% (-61.2% to -51.3%)#**	**-51.8% (-57.4% to -45.5%)#**	**-64.9% (-68.5% to -60.7%)#**	**-38.1% (-41.8% to -34.2%)#**	**5.0% (0.9% to 9.1%)#**	**39.1% (28.9% to 51.7%)#**	**-53.1% (-57.9% to -47.8%)#**	**-56.2% (-60.8% to -51.3%)#**	**-48.4% (-52.7% to -43.7%)#**	**26.2% (19.2% to 35.0%)#**
	% change 2000-2017	**-47.9% (-53.2% to -41.6%)#**	**-50.0% (-55.8% to -43.4%)#**	**-61.5% (-65.9% to -56.5%)#**	**-67.7% (-71.0% to -63.6%)#**	**-44.3% (-47.9% to -40.5%)#**	**-37.1% (-39.5% to -34.8%)#**	**-40.0% (-43.3% to -36.6%)#**	**-56.0% (-60.7% to -51.0%)#**	**-59.2% (-63.3% to -54.4%)#**	**-55.4% (-59.0% to -51.2%)#**	**-39.1% (-41.7% to -36.6%)#**
Swaziland	Death #, 1990	605 (543 to 671)	159 (137 to 183)	782 (686 to 888)	598 (511 to 691)	136 (126 to 147)	91 (84 to 97)	146 (129 to 158)	1,545 (1,388 to 1,716)	2,143 (1,947 to 2,358)	2,516 (2,310 to 2,739)	237 (214 to 254)
	Death #, 2000	536 (482 to 594)	132 (117 to 147)	1,450 (1,307 to 1,601)	808 (725 to 903)	215 (195 to 237)	124 (112 to 138)	305 (248 to 389)	2,118 (1,928 to 2,333)	2,926 (2,663 to 3,222)	3,571 (3,276 to 3,908)	430 (366 to 517)
	Death #, 2017	337 (279 to 410)	98 (81 to 119)	587 (490 to 708)	238 (170 to 331)	192 (153 to 252)	185 (139 to 256)	268 (218 to 325)	1,022 (850 to 1,236)	1,261 (1,027 to 1,563)	1,905 (1,625 to 2,248)	453 (376 to 545)
	% change 1990-2017	**-44.3% (-53.9% to -32.5%)#**	**-38.3% (-50.9% to -22.9%)#**	**-24.9% (-38.0% to -7.6%)#**	**-60.1% (-74.2% to -38.1%)#**	**40.8% (9.8% to 86.5%)#**	**103.8% (51.1% to 185.6%)#**	**83.6% (46.2% to 130.3%)#**	**-33.9% (-45.3% to -20.0%)#**	**-41.2% (-52.6% to -26.0%)#**	**-24.3% (-36.9% to -9.0%)#**	**91.4% (55.8% to 133.7%)#**
	% change 2000-2017	**-37.1% (-49.3% to -22.5%)#**	**-25.8% (-40.4% to -6.7%)#**	**-59.5% (-67.3% to -49.9%)#**	**-70.5% (-79.4% to -58.2%)#**	-11.0% (-31.5% to 18.8%)	**49.0% (10.4% to 113.2%)#**	-12.4% (-28.5% to 5.5%)	**-51.7% (-61.0% to -40.4%)#**	**-56.9% (-65.5% to -46.1%)#**	**-46.6% (-55.5% to -36.3%)#**	5.4% (-13.8% to 28.0%)
Zimbabwe	Death #, 1990	6,216 (5,608 to 6,872)	2,054 (1,864 to 2,257)	8,824 (7,877 to 9,840)	7,697 (7,124 to 8,289)	1,241 (1,139 to 1,349)	828 (780 to 885)	1,690 (1,400 to 2,118)	17,093 (15,907 to 18,348)	24,790 (23,097 to 26,602)	28,549 (26,757 to 30,481)	2,517 (2,210 to 2,952)
	Death #, 2000	7,223 (6,491 to 7,970)	2,385 (2,096 to 2,679)	11,561 (10,652 to 12,456)	9,236 (8,044 to 10,579)	2,739 (2,474 to 3,046)	1,684 (1,480 to 1,871)	2,963 (2,430 to 3,740)	21,169 (19,552 to 22,768)	30,405 (27,929 to 32,969)	37,791 (35,245 to 40,504)	4,647 (4,004 to 5,536)
	Death #, 2017	8,175 (6,625 to 10,050)	2,383 (1,937 to 2,924)	8,214 (6,748 to 9,955)	5,800 (4,811 to 6,943)	2,359 (1,947 to 2,899)	2,082 (1,697 to 2,640)	3,104 (2,586 to 3,689)	18,772 (15,310 to 22,930)	24,572 (20,119 to 29,915)	32,117 (27,214 to 37,721)	5,186 (4,423 to 6,065)
	% change 1990-2017	**31.5% (4.7% to 65.4%)#**	16.0% (-7.7% to 44.9%)	-6.9% (-25.1% to 15.8%)	**-24.6% (-38.2% to -8.0%)#**	**90.1% (52.4% to 137.5%)#**	**151.5% (102.7% to 222.2%)#**	**83.7% (50.0% to 125.8%)#**	9.8% (-11.2% to 34.9%)	-0.9% (-19.5% to 21.5%)	12.5% (-5.5% to 34.0%)	**106.0% (73.1% to 146.7%)#**
	% change 2000-2017	13.2% (-9.4% to 41.1%)	-0.1% (-20.4% to 25.8%)	**-28.9% (-42.5% to -12.8%)#**	**-37.2% (-50.6% to -21.4%)#**	-13.9% (-30.4% to 10.1%)	23.6% (-1.0% to 59.1%)	4.8% (-12.3% to 25.5%)	-11.3% (-27.8% to 10.4%)	-19.2% (-34.6% to 0.4%)	-15.0% (-28.7% to 1.3%)	11.6% (-5.2% to 33.7%)
	Death #, 1990	303869 (290109 to 318584)	126641 (118351 to 136282)	462250 (444027 to 481492)	784219 (749029 to 822906)	61832 (60325 to 63326)	28776 (27137 to 30520)	33200 (30003 to 37022)	892761 (857508 to 930081)	1676980 (1615802 to 1744304)	1800788 (1737435 to 1870924)	61976 (57203 to 67649)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Western Sub-Saharan Africa	% of global total, 1990	10.0% (9.5% to 10.5%)	10.0% (9.4% to 10.8%)	12.0% (11.5% to 12.5%)	21.7% (20.8% to 22.7%)	7.2% (7.1% to 7.4%)	6.2% (5.8% to 6.5%)	4.9% (4.5% to 5.5%)	10.9% (10.5% to 11.4%)	14.2% (13.8% to 14.8%)	13.1% (12.7% to 13.6%)	5.4% (5.0% to 5.9%)
	Death #, 2000	381350 (356914 to 407855)	132365 (121728 to 144076)	526403 (496104 to 558546)	846040 (803503 to 893135)	74592 (72518 to 76635)	36042 (33651 to 38570)	43703 (38356 to 49895)	1040119 (987015 to 1096917)	1886159 (1810535 to 1969024)	2040496 (1962874 to 2124177)	79745 (72136 to 88366)
	% of global total, 2000	13.9% (13.1% to 14.7%)	14.4% (13.3% to 15.6%)	17.0% (16.1% to 17.9%)	28.9% (27.7% to 30.2%)	10.6% (10.3% to 10.9%)	7.5% (7.0% to 7.9%)	6.4% (5.7% to 7.3%)	15.4% (14.7% to 16.1%)	19.5% (18.8% to 20.2%)	17.7% (17.1% to 18.3%)	6.9% (6.2% to 7.6%)
	Death #, 2017	391394 (350289 to 437854)	103737 (92210 to 117201)	415751 (375913 to 464523)	576051 (521390 to 639063)	72519 (68596 to 76990)	43523 (41112 to 46838)	52515 (47662 to 59838)	910881 (818974 to 1020840)	1486932 (1340270 to 1659894)	1655489 (1503826 to 1838435)	96039 (89133 to 106016)
	% of global total, 2017	21.1% (19.2% to 23.1%)	20.4% (18.6% to 22.6%)	25.6% (23.5% to 27.9%)	41.0% (38.4% to 43.8%)	17.6% (16.7% to 18.6%)	13.6% (13.0% to 14.5%)	10.2% (9.3% to 11.4%)	22.8% (20.9% to 24.9%)	27.6% (25.4% to 29.8%)	24.9% (23.0% to 26.9%)	11.5% (10.8% to 12.5%)
	% change 1990-2017	**28.8% (14.5% to 46.0%)#**	**-18.1% (-28.0% to -5.5%)#**	-10.1% (-19.6% to 1.1%)	**-26.5% (-34.1% to -17.8%)#**	**17.3% (10.6% to 24.9%)#**	**51.2% (42.6% to 61.4%)#**	**58.2% (40.1% to 82.0%)#**	2.0% (-8.7% to 14.8%)	**-11.3% (-20.7% to -0.5%)#**	-8.1% (-17.0% to 2.1%)	**55.0% (41.5% to 71.9%)#**
	% change 2000-2017	2.6% (-9.9% to 16.7%)	**-21.6% (-32.4% to -9.3%)#**	**-21.0% (-30.1% to -10.4%)#**	**-31.9% (-38.9% to -23.6%)#**	-2.8% (-8.8% to 3.2%)	**20.8% (13.7% to 28.5%)#**	**20.2% (8.1% to 35.5%)#**	**-12.4% (-22.2% to -0.6%)#**	**-21.2% (-29.6% to -11.7%)#**	**-18.9% (-27.0% to -9.9%)#**	**20.4% (11.0% to 32.1%)#**
Benin	Death #, 1990	7,563 (6,241 to 9,062)	2,181 (1,791 to 2,607)	11,865 (10,545 to 13,303)	15,539 (13,532 to 17,607)	1,719 (1,621 to 1,826)	751 (713 to 795)	789 (725 to 864)	21,608 (19,170 to 24,062)	37,147 (34,591 to 39,914)	40,407 (37,709 to 43,297)	1,540 (1,443 to 1,654)
	Death #, 2000	8,927 (7,639 to 10,392)	1,868 (1,564 to 2,240)	10,770 (9,647 to 11,899)	14,962 (12,951 to 17,203)	1,783 (1,660 to 1,905)	893 (833 to 952)	1,075 (969 to 1,185)	21,565 (19,171 to 23,974)	36,527 (33,131 to 40,243)	40,278 (36,736 to 44,191)	1,967 (1,816 to 2,133)
	Death #, 2017	10,150 (8,333 to 12,390)	1,935 (1,582 to 2,369)	9,535 (7,250 to 12,861)	12,029 (8,774 to 16,565)	1,741 (1,535 to 2,013)	1,100 (996 to 1,217)	1,474 (1,277 to 1,686)	21,620 (17,641 to 26,613)	33,648 (26,569 to 42,754)	37,963 (30,682 to 47,335)	2,574 (2,297 to 2,874)
	% change 1990-2017	**34.2% (3.6% to 76.0%)#**	-11.3% (-32.4% to 17.2%)	-19.6% (-40.7% to 7.8%)	-22.6% (-44.3% to 9.2%)	1.2% (-12.1% to 17.4%)	**46.5% (30.0% to 64.7%)#**	**86.8% (56.2% to 120.0%)#**	0.1% (-20.4% to 26.5%)	-9.4% (-28.2% to 14.7%)	-6.0% (-24.0% to 17.0%)	**67.1% (45.2% to 91.1%)#**
	% change 2000-2017	13.7% (-9.8% to 43.9%)	3.6% (-20.6% to 33.5%)	-11.5% (-33.4% to 18.3%)	-19.6% (-41.7% to 11.0%)	-2.4% (-14.8% to 13.8%)	**23.2% (9.8% to 37.4%)#**	**37.2% (19.0% to 58.8%)#**	0.2% (-18.9% to 26.6%)	-7.9% (-27.4% to 16.9%)	-5.8% (-24.4% to 17.7%)	**30.8% (16.1% to 46.8%)#**
Burkina Faso	Death #, 1990	12,703 (11,462 to 14,033)	7,607 (6,450 to 8,807)	25,022 (22,041 to 28,450)	42,611 (40,029 to 45,294)	3,799 (3,595 to 4,017)	1,808 (1,721 to 1,905)	1,968 (1,806 to 2,136)	45,332 (41,299 to 49,990)	87,944 (81,920 to 94,347)	95,518 (89,264 to 102,242)	3,775 (3,539 to 4,009)
	Death #, 2000	13,907 (12,304 to 15,698)	6,355 (5,484 to 7,324)	27,534 (24,869 to 30,406)	45,569 (41,311 to 50,251)	4,359 (4,086 to 4,639)	2,250 (2,118 to 2,385)	2,451 (2,228 to 2,681)	47,795 (43,806 to 52,375)	93,365 (85,980 to 101,568)	102,425 (94,599 to 111,107)	4,701 (4,375 to 5,048)
	Death #, 2017	16,170 (13,005 to 20,104)	6,223 (4,370 to 9,071)	26,988 (21,841 to 33,358)	37,211 (29,825 to 46,786)	3,827 (3,316 to 4,506)	2,324 (2,110 to 2,573)	3,085 (2,745 to 3,435)	49,380 (39,157 to 62,434)	86,592 (69,159 to 109,471)	95,827 (77,643 to 119,558)	5,409 (4,915 to 5,974)
	% change 1990-2017	**27.3% (0.4% to 63.1%)#**	-18.2% (-44.8% to 23.0%)	7.9% (-16.3% to 37.0%)	-12.7% (-30.2% to 9.2%)	0.7% (-14.0% to 18.1%)	**28.6% (14.8% to 44.1%)#**	**56.8% (36.6% to 79.7%)#**	8.9% (-15.1% to 40.5%)	-1.5% (-21.7% to 24.1%)	0.3% (-19.1% to 25.1%)	**43.3% (27.1% to 60.8%)#**
	% change 2000-2017	16.3% (-9.2% to 48.9%)	-2.1% (-31.4% to 39.4%)	-2.0% (-22.4% to 23.9%)	-18.3% (-35.4% to 2.6%)	-12.2% (-25.1% to 3.0%)	3.3% (-7.6% to 15.2%)	**25.9% (10.1% to 43.2%)#**	3.3% (-18.5% to 32.8%)	-7.2% (-26.2% to 17.9%)	-6.4% (-24.5% to 17.4%)	**15.1% (2.3% to 28.8%)#**
Cameroon	Death #, 1990	13,076 (11,307 to 15,126)	5,257 (4,266 to 6,548)	17,036 (15,155 to 18,921)	26,290 (23,520 to 29,340)	2,610 (2,466 to 2,763)	1,377 (1,318 to 1,440)	1,804 (1,687 to 1,917)	35,369 (32,134 to 38,827)	61,660 (56,887 to 67,058)	67,451 (62,646 to 72,979)	3,181 (3,008 to 3,347)
	Death #, 2000	14,397 (11,811 to 17,185)	4,679 (4,033 to 5,333)	22,992 (20,393 to 25,961)	32,319 (26,747 to 38,686)	3,617 (3,404 to 3,858)	2,103 (1,991 to 2,230)	3,058 (2,842 to 3,315)	42,069 (37,366 to 46,660)	74,388 (66,850 to 82,939)	83,166 (75,269 to 92,223)	5,161 (4,842 to 5,516)
	Death #, 2017	13,707 (10,713 to 17,083)	4,113 (3,184 to 5,165)	17,687 (12,275 to 24,655)	19,910 (16,121 to 24,133)	4,180 (3,706 to 4,682)	3,166 (2,834 to 3,539)	4,337 (3,659 to 5,010)	35,507 (28,562 to 43,324)	55,418 (44,771 to 67,471)	67,100 (55,629 to 79,658)	7,503 (6,612 to 8,428)
	% change 1990-2017	4.8% (-20.9% to 38.0%)	-21.8% (-43.3% to 8.5%)	3.8% (-27.9% to 44.9%)	**-24.3% (-40.1% to -6.7%)#**	**60.2% (40.9% to 82.3%)#**	**129.9% (103.8% to 158.9%)#**	**140.4% (101.5% to 179.4%)#**	0.4% (-21.8% to 25.4%)	-10.1% (-28.2% to 10.7%)	-0.5% (-17.6% to 19.6%)	**135.8% (104.4% to 165.7%)#**
	% change 2000-2017	-4.8% (-27.3% to 25.0%)	-12.1% (-32.8% to 14.1%)	-23.1% (-47.3% to 7.2%)	**-38.4% (-53.7% to -18.9%)#**	**15.6% (1.2% to 32.2%)#**	**50.5% (33.4% to 70.2%)#**	**41.8% (22.0% to 61.8%)#**	-15.6% (-33.7% to 5.0%)	**-25.5% (-41.2% to -7.2%)#**	**-19.3% (-34.4% to -1.4%)#**	**45.4% (28.5% to 63.3%)#**
Cape Verde	Death #, 1990	175 (150 to 202)	66 (54 to 80)	354 (310 to 399)	211 (178 to 247)	41 (39 to 42)	24 (24 to 25)	30 (30 to 31)	594 (521 to 671)	805 (711 to 901)	901 (803 to 998)	55 (53 to 56)
	Death #, 2000	174 (134 to 220)	43 (32 to 56)	275 (215 to 341)	142 (110 to 181)	39 (35 to 44)	30 (28 to 33)	40 (37 to 44)	493 (384 to 612)	635 (497 to 789)	745 (602 to 904)	70 (66 to 76)
	Death #, 2017	115 (82 to 161)	21 (15 to 29)	60 (44 to 85)	38 (27 to 53)	14 (12 to 15)	16 (15 to 18)	30 (27 to 34)	196 (141 to 275)	234 (168 to 327)	294 (227 to 391)	46 (43 to 50)
	% change 1990-2017	**-34.4% (-54.0% to -8.1%)#**	**-68.1% (-78.0% to -53.7%)#**	**-82.9% (-87.7% to -76.2%)#**	**-82.2% (-87.6% to -74.6%)#**	**-66.5% (-70.5% to -62.1%)#**	**-33.3% (-38.8% to -27.9%)#**	-0.3% (-10.2% to 11.0%)	**-67.0% (-76.7% to -53.8%)#**	**-71.0% (-79.5% to -59.0%)#**	**-67.4% (-75.4% to -56.4%)#**	**-15.0% (-22.1% to -7.1%)#**
	% change 2000-2017	**-34.2% (-54.8% to -2.5%)#**	**-51.0% (-66.5% to -27.2%)#**	**-78.1% (-84.8% to -68.2%)#**	**-73.5% (-81.9% to -60.7%)#**	**-65.5% (-70.8% to -59.6%)#**	**-46.6% (-52.1% to -40.5%)#**	**-24.5% (-35.3% to -12.5%)#**	**-60.2% (-72.2% to -42.1%)#**	**-63.2% (-74.3% to -47.1%)#**	**-60.5% (-70.8% to -46.1%)#**	**-34.0% (-41.8% to -25.4%)#**
Chad	Death #, 1990	10,079 (9,377 to 10,890)	5,765 (4,838 to 6,775)	19,626 (18,290 to 21,138)	27,323 (24,686 to 30,288)	2,145 (2,020 to 2,278)	1,006 (952 to 1,065)	1,179 (1,086 to 1,288)	35,471 (32,678 to 38,537)	62,794 (58,347 to 67,827)	67,124 (62,595 to 72,324)	2,185 (2,035 to 2,346)
	Death #, 2000	12,574 (11,279 to 13,881)	5,868 (4,973 to 6,818)	25,888 (23,380 to 28,600)	33,898 (30,381 to 37,634)	3,004 (2,809 to 3,218)	1,425 (1,334 to 1,524)	1,711 (1,548 to 1,871)	44,331 (39,813 to 49,103)	78,229 (71,398 to 85,706)	84,370 (77,279 to 92,010)	3,137 (2,904 to 3,374)
	Death #, 2017	16,889 (13,932 to 20,446)	5,425 (4,416 to 6,638)	25,416 (21,098 to 30,470)	32,259 (26,949 to 38,153)	3,524 (3,077 to 3,991)	1,969 (1,785 to 2,180)	2,425 (2,125 to 2,739)	47,731 (39,468 to 57,564)	79,990 (66,533 to 95,639)	87,908 (73,867 to 104,119)	4,394 (3,973 to 4,873)
	% change 1990-2017	**67.6% (37.1% to 105.7%)#**	-5.9% (-27.4% to 23.3%)	**29.5% (6.8% to 57.3%)#**	18.1% (-4.3% to 43.1%)	**64.3% (41.8% to 90.5%)#**	**95.7% (74.8% to 122.2%)#**	**105.6% (75.9% to 138.0%)#**	**34.6% (10.7% to 64.8%)#**	**27.4% (4.8% to 54.4%)#**	**31.0% (9.1% to 57.2%)#**	**101.1% (77.9% to 127.1%)#**
	% change 2000-2017	**34.3% (7.9% to 66.4%)#**	-7.5% (-26.6% to 18.8%)	-1.8% (-20.6% to 20.6%)	-4.8% (-22.5% to 16.0%)	**17.3% (1.5% to 34.7%)#**	**38.1% (23.7% to 55.1%)#**	**41.7% (22.7% to 62.8%)#**	7.7% (-13.3% to 33.4%)	2.2% (-16.6% to 25.3%)	4.2% (-14.0% to 26.2%)	**40.1% (25.1% to 58.0%)#**
Cote d'Ivoire	Death #, 1990	15,665 (13,372 to 17,976)	8,074 (6,629 to 9,864)	24,714 (22,181 to 27,479)	26,438 (24,040 to 29,092)	3,296 (3,055 to 3,552)	1,622 (1,519 to 1,721)	2,258 (2,017 to 2,524)	48,453 (44,347 to 52,882)	74,892 (68,541 to 81,848)	82,068 (75,452 to 89,274)	3,880 (3,567 to 4,204)
	Death #, 2000	23,233 (20,647 to 26,161)	7,842 (6,113 to 9,864)	29,676 (25,912 to 33,565)	29,466 (26,293 to 32,715)	4,557 (4,207 to 4,889)	2,631 (2,389 to 2,934)	3,597 (3,247 to 4,161)	60,751 (54,254 to 67,438)	90,217 (80,742 to 100,032)	101,003 (90,908 to 111,113)	6,229 (5,672 to 7,038)
	Death #, 2017	21,468 (16,308 to 27,284)	4,204 (3,190 to 5,348)	19,902 (14,369 to 27,086)	20,208 (16,991 to 23,883)	3,482 (3,025 to 4,001)	2,423 (2,175 to 2,687)	3,357 (2,890 to 3,871)	45,573 (37,902 to 54,485)	65,781 (54,965 to 78,559)	75,043 (63,765 to 88,296)	5,780 (5,151 to 6,461)
	% change 1990-2017	37.0% (-0.9% to 84.9%)	**-47.9% (-62.5% to -28.5%)#**	-19.5% (-43.4% to 11.2%)	**-23.6% (-37.3% to -7.5%)#**	5.6% (-9.7% to 24.9%)	**49.4% (32.5% to 69.0%)#**	**48.6% (26.9% to 73.7%)#**	-5.9% (-23.7% to 14.3%)	-12.2% (-28.5% to 6.5%)	-8.6% (-24.3% to 9.4%)	**49.0% (31.7% to 70.0%)#**
	% change 2000-2017	-7.6% (-30.9% to 19.4%)	**-46.4% (-62.0% to -25.1%)#**	**-32.9% (-53.6% to -6.8%)#**	**-31.4% (-43.8% to -16.4%)#**	**-23.6% (-34.2% to -11.2%)#**	-7.9% (-21.0% to 5.1%)	-6.7% (-20.2% to 9.4%)	**-25.0% (-39.4% to -7.7%)#**	**-27.1% (-40.7% to -10.5%)#**	**-25.7% (-38.9% to -10.3%)#**	-7.2% (-19.6% to 5.8%)
Gambia	Death #, 1990	1,270 (1,074 to 1,510)	363 (273 to 476)	1,136 (953 to 1,343)	2,088 (1,773 to 2,447)	213 (194 to 232)	116 (105 to 126)	155 (134 to 173)	2,769 (2,344 to 3,280)	4,857 (4,254 to 5,533)	5,341 (4,726 to 6,028)	270 (240 to 299)
	Death #, 2000	1,454 (1,234 to 1,694)	312 (246 to 389)	1,098 (956 to 1,253)	1,888 (1,642 to 2,170)	212 (194 to 231)	132 (122 to 144)	202 (182 to 222)	2,864 (2,475 to 3,275)	4,752 (4,144 to 5,386)	5,298 (4,661 to 5,951)	334 (306 to 366)
	Death #, 2017	1,310 (963 to 1,780)	202 (124 to 324)	768 (559 to 1,048)	985 (740 to 1,316)	234 (205 to 270)	176 (154 to 201)	276 (237 to 325)	2,279 (1,702 to 3,073)	3,264 (2,442 to 4,387)	3,949 (3,141 to 5,077)	452 (396 to 520)
	% change 1990-2017	3.2% (-27.0% to 47.9%)	-44.4% (-72.6% to 7.6%)	**-32.5% (-49.4% to -9.5%)#**	**-52.9% (-65.1% to -36.4%)#**	9.7% (-6.9% to 31.0%)	**52.0% (30.1% to 78.7%)#**	**78.4% (47.1% to 119.3%)#**	-17.7% (-39.6% to 14.5%)	**-32.8% (-49.7% to -8.9%)#**	**-26.1% (-42.0% to -3.7%)#**	**67.1% (41.4% to 100.7%)#**
	% change 2000-2017	-9.9% (-34.1% to 22.9%)	-35.3% (-63.5% to 16.5%)	**-30.1% (-48.9% to -5.7%)#**	**-47.9% (-60.9% to -31.2%)#**	10.3% (-5.3% to 29.9%)	**32.7% (15.1% to 52.6%)#**	**36.7% (16.7% to 64.1%)#**	-20.4% (-40.6% to 7.1%)	**-31.3% (-48.2% to -8.7%)#**	**-25.5% (-41.1% to -4.3%)#**	**35.1% (16.9% to 57.0%)#**
	Death #, 1990	16,966 (15,154 to 19,027)	5,050 (4,036 to 6,188)	16,597 (15,255 to 18,006)	28,939 (26,396 to 31,639)	3,293 (3,092 to 3,500)	1,790 (1,684 to 1,900)	2,421 (2,165 to 2,682)	38,614 (35,813 to 41,783)	67,553 (63,263 to 72,186)	75,058 (70,571 to 79,983)	4,212 (3,863 to 4,569)
	Death #, 2000	19,096 (17,298 to 21,009)	4,473 (3,710 to 5,308)	15,815 (14,082 to 17,590)	25,511 (23,112 to 27,941)	3,548 (3,316 to 3,777)	2,054 (1,942 to 2,167)	2,900 (2,671 to 3,146)	39,384 (35,879 to 43,092)	64,895 (60,251 to 69,891)	73,397 (68,341 to 78,644)	4,954 (4,635 to 5,289)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Ghana	Death #, 2017	18,432 (15,138 to 22,546)	2,931 (2,395 to 3,606)	10,658 (6,909 to 16,485)	11,924 (9,633 to 14,905)	3,136 (2,792 to 3,506)	2,501 (2,254 to 2,784)	3,977 (3,548 to 4,484)	32,021 (25,669 to 40,473)	43,945 (35,225 to 55,425)	53,558 (44,498 to 65,275)	6,477 (5,856 to 7,199)
	% change 1990-2017	8.6% (-13.9% to 35.9%)	**-42.0% (-55.6% to -21.0%)#**	**-35.8% (-58.7% to -0.5%)#**	**-58.8% (-66.8% to -47.8%)#**	-4.8% (-16.6% to 7.9%)	**39.7% (22.6% to 57.9%)#**	**64.2% (40.6% to 91.1%)#**	-17.1% (-34.0% to 6.0%)	**-35.0% (-47.7% to -17.2%)#**	**-28.6% (-41.0% to -11.6%)#**	**53.8% (34.2% to 75.3%)#**
	% change 2000-2017	-3.5% (-22.9% to 20.5%)	**-34.5% (-50.2% to -12.8%)#**	-32.6% (-57.8% to 5.5%)	**-53.3% (-62.8% to -40.4%)#**	-11.6% (-22.5% to 0.6%)	**21.7% (8.1% to 36.8%)#**	**37.1% (21.3% to 56.1%)#**	-18.7% (-35.8% to 3.9%)	**-32.3% (-46.0% to -13.7%)#**	**-27.0% (-39.8% to -10.1%)#**	**30.8% (16.6% to 46.4%)#**
Guinea	Death #, 1990	13,474 (12,050 to 14,916)	5,274 (4,554 to 6,007)	19,047 (17,131 to 21,115)	30,341 (27,532 to 33,248)	2,338 (2,187 to 2,490)	1,000 (949 to 1,051)	1,041 (956 to 1,121)	37,795 (33,901 to 41,817)	68,136 (62,787 to 73,148)	72,515 (66,981 to 77,714)	2,041 (1,909 to 2,164)
	Death #, 2000	12,851 (11,718 to 14,000)	4,750 (4,221 to 5,339)	17,480 (15,721 to 19,378)	26,920 (22,165 to 32,534)	2,643 (2,480 to 2,813)	1,308 (1,243 to 1,377)	1,580 (1,482 to 1,678)	35,082 (32,404 to 37,938)	62,002 (55,995 to 68,210)	67,535 (61,278 to 73,993)	2,889 (2,737 to 3,042)
	Death #, 2017	10,064 (8,243 to 12,500)	3,380 (2,767 to 4,198)	11,956 (9,819 to 14,720)	15,223 (12,561 to 18,514)	2,208 (1,966 to 2,520)	1,353 (1,234 to 1,496)	1,764 (1,598 to 1,931)	25,401 (20,848 to 31,356)	40,624 (33,313 to 49,900)	45,949 (38,347 to 55,729)	3,117 (2,858 to 3,398)
	% change 1990-2017	**-25.3% (-40.2% to -5.1%)#**	**-35.9% (-49.5% to -18.2%)#**	**-37.2% (-49.6% to -20.5%)#**	**-49.8% (-59.8% to -37.5%)#**	-5.5% (-17.1% to 8.7%)	**35.3% (21.2% to 51.7%)#**	**69.5% (50.8% to 90.6%)#**	**-32.8% (-46.1% to -14.9%)#**	**-40.4% (-51.7% to -26.4%)#**	**-36.6% (-48.2% to -22.8%)#**	**52.7% (37.9% to 70.1%)#**
	% change 2000-2017	**-21.7% (-37.5% to -2.0%)#**	**-28.9% (-42.6% to -10.3%)#**	**-31.6% (-44.8% to -14.7%)#**	**-43.5% (-56.7% to -26.8%)#**	**-16.5% (-26.8% to -4.5%)#**	3.4% (-6.5% to 14.1%)	**11.6% (1.2% to 23.9%)#**	**-27.6% (-40.8% to -10.6%)#**	**-34.5% (-47.3% to -18.5%)#**	**-32.0% (-44.6% to -16.5%)#**	7.9% (-1.8% to 18.4%)
Guinea-Bissau	Death #, 1990	2,099 (1,789 to 2,468)	745 (626 to 883)	2,472 (1,989 to 3,014)	4,481 (3,923 to 5,064)	402 (373 to 436)	216 (200 to 235)	283 (254 to 321)	5,317 (4,629 to 6,054)	9,798 (8,554 to 11,118)	10,699 (9,433 to 12,063)	499 (457 to 554)
	Death #, 2000	2,095 (1,818 to 2,407)	649 (524 to 793)	2,106 (1,772 to 2,470)	3,666 (3,204 to 4,157)	390 (362 to 420)	228 (212 to 246)	326 (299 to 364)	4,850 (4,214 to 5,550)	8,516 (7,425 to 9,709)	9,460 (8,344 to 10,700)	555 (513 to 608)
	Death #, 2017	1,780 (1,404 to 2,242)	398 (301 to 525)	1,212 (963 to 1,515)	1,665 (1,322 to 2,074)	367 (321 to 425)	252 (214 to 302)	358 (297 to 421)	3,390 (2,681 to 4,241)	5,055 (4,005 to 6,308)	6,032 (4,938 to 7,333)	610 (523 to 705)
	% change 1990-2017	**-15.2% (-27.7% to -1.4%)#**	**-46.7% (-58.0% to -33.4%)#**	**-51.0% (-65.4% to -30.9%)#**	**-62.8% (-71.1% to -52.8%)#**	-8.6% (-22.6% to 8.0%)	16.7% (-3.4% to 42.1%)	**26.4% (1.5% to 55.1%)#**	**-36.2% (-50.3% to -19.9%)#**	**-48.4% (-59.7% to -34.9%)#**	**-43.6% (-54.5% to -30.2%)#**	**22.2% (2.2% to 45.1%)#**
	% change 2000-2017	-15.0% (-31.9% to 7.2%)	**-38.8% (-54.3% to -19.6%)#**	**-42.4% (-57.1% to -23.4%)#**	**-54.6% (-63.8% to -42.7%)#**	-5.8% (-19.4% to 12.3%)	10.5% (-7.6% to 33.6%)	9.6% (-9.5% to 29.8%)	**-30.1% (-45.2% to -11.0%)#**	**-40.6% (-53.1% to -24.6%)#**	**-36.2% (-48.3% to -21.2%)#**	10.0% (-7.1% to 29.1%)
Liberia	Death #, 1990	2905 (2666 to 3158)	1196 (1027 to 1377)	8514 (7814 to 9209)	9937 (9132 to 10817)	1108 (1057 to 1163)	610 (587 to 635)	815 (777 to 859)	12615 (11569 to 13723)	22553 (20949 to 24291)	25086 (23419 to 26862)	1425 (1366 to 1493)
	Death #, 2000	4072 (3665 to 4522)	1428 (1135 to 1778)	8506 (7658 to 9463)	7132 (6342 to 8021)	803 (753 to 859)	448 (422 to 475)	589 (538 to 637)	14007 (12677 to 15473)	21138 (19410 to 23039)	22978 (21177 to 24960)	1037 (968 to 1108)
	Death #, 2017	2718 (2216 to 3365)	785 (588 to 1052)	3357 (2743 to 4110)	3493 (2155 to 5528)	645 (566 to 741)	442 (400 to 492)	628 (549 to 715)	6860 (5579 to 8499)	10353 (8016 to 13452)	12068 (9586 to 15307)	1071 (965 to 1191)
	% change 1990-2017	-6.5% (-24.9% to 16.2%)	**-34.3% (-52.6% to -12.1%)#**	**-60.6% (-68.1% to -51.2%)#**	**-64.8% (-78.3% to -44.7%)#**	**-41.9% (-50.0% to -33.2%)#**	**-27.5% (-35.5% to -18.8%)#**	**-22.9% (-33.0% to -11.7%)#**	**-45.6% (-56.5% to -32.7%)#**	**-54.1% (-64.8% to -39.8%)#**	**-51.9% (-62.0% to -38.4%)#**	**-24.9% (-33.1% to -15.8%)#**
	% change 2000-2017	**-33.3% (-47.2% to -15.3%)#**	**-45.0% (-61.2% to -21.2%)#**	**-60.5% (-68.7% to -50.4%)#**	**-51.0% (-70.4% to -22.5%)#**	**-19.7% (-31.0% to -6.7%)#**	-1.2% (-12.5% to 11.6%)	6.6% (-7.3% to 24.2%)	**-51.0% (-61.3% to -38.4%)#**	**-62.7% (-35.5%)#**	**-47.5% (-58.5% to -32.3%)#**	3.2% (-8.3% to 16.9%)
Mali	Death #, 1990	21,906 (19,322 to 24,545)	8,898 (6,980 to 11,051)	27,017 (23,751 to 30,343)	50,082 (46,102 to 54,219)	3,672 (3,483 to 3,883)	1,685 (1,616 to 1,752)	1,854 (1,752 to 1,950)	57,821 (51,077 to 65,170)	107,903 (101,090 to 115,502)	115,113 (108,074 to 122,927)	3,538 (3,379 to 3,691)
	Death #, 2000	21,958 (19,817 to 24,251)	6,778 (5,075 to 8,890)	27,182 (24,506 to 29,979)	46,166 (41,643 to 50,863)	3,940 (3,720 to 4,185)	1,855 (1,778 to 1,937)	2,190 (2,057 to 2,317)	55,918 (49,574 to 62,343)	102,084 (94,558 to 109,884)	110,069 (102,239 to 118,094)	4,045 (3,851 to 4,240)
	Death #, 2017	28,230 (22,841 to 35,194)	6,424 (5,210 to 7,974)	26,849 (21,835 to 33,167)	42,616 (34,855 to 52,363)	4,362 (3,901 to 4,914)	2,365 (2,175 to 2,567)	2,754 (2,425 to 3,087)	61,503 (49,869 to 76,500)	104,119 (84,750 to 128,657)	113,600 (93,489 to 138,903)	5,119 (4,623 to 5,595)
	% change 1990-2017	**28.9% (1.8% to 62.0%)#**	**-27.8% (-46.7% to -0.3%)#**	-0.6% (-21.3% to 24.7%)	-14.9% (-31.3% to 5.2%)	**18.8% (4.8% to 34.7%)#**	**40.4% (27.8% to 54.4%)#**	**48.6% (30.1% to 69.2%)#**	6.4% (-16.7% to 35.3%)	-3.5% (-22.1% to 19.7%)	-1.3% (-19.0% to 20.6%)	**44.7% (30.3% to 60.5%)#**
	% change 2000-2017	**28.6% (1.6% to 62.6%)#**	-5.2% (-31.9% to 33.1%)	-1.2% (-21.1% to 24.1%)	-7.7% (-25.4% to 14.3%)	10.7% (-2.4% to 25.4%)	**27.5% (16.6% to 39.3%)#**	**25.7% (11.4% to 41.4%)#**	10.0% (-13.4% to 39.3%)	2.0% (-17.4% to 26.5%)	3.2% (-15.4% to 26.7%)	**26.6% (14.8% to 39.5%)#**
Mauritania	Death #, 1990	2,878 (2,364 to 3,368)	858 (731 to 1,003)	2,226 (1,910 to 2,589)	3,427 (3,037 to 3,854)	430 (398 to 462)	235 (223 to 250)	324 (302 to 347)	5,962 (5,353 to 6,606)	9,389 (8,624 to 10,221)	10,379 (9,563 to 11,276)	560 (527 to 594)
	Death #, 2000	2,729 (2,379 to 3,096)	827 (680 to 999)	2,324 (1,975 to 2,704)	2,759 (2,436 to 3,086)	453 (414 to 489)	251 (234 to 266)	324 (300 to 347)	5,880 (5,367 to 6,492)	8,639 (7,840 to 9,524)	9,667 (8,792 to 10,614)	574 (536 to 611)
	Death #, 2017	1,990 (1,627 to 2,483)	590 (479 to 740)	1,317 (945 to 1,869)	1,012 (716 to 1,456)	362 (320 to 412)	248 (228 to 272)	328 (291 to 361)	3,897 (3,085 to 4,963)	4,910 (3,806 to 6,382)	5,847 (4,685 to 7,365)	576 (521 to 628)
	% change 1990-2017	**-30.9% (-46.6% to -9.7%)#**	**-31.2% (-45.6% to -11.6%)#**	**-40.9% (-59.9% to -15.2%)#**	**-70.5% (-79.5% to -57.6%)#**	**-15.8% (-27.0% to -1.8%)#**	5.4% (-4.7% to 17.3%)	1.0% (-12.4% to 14.4%)	**-34.6% (-48.7% to -15.4%)#**	**-47.7% (-59.5% to -30.7%)#**	**-43.7% (-54.8% to -27.5%)#**	2.9% (-8.2% to 14.4%)
	% change 2000-2017	**-27.1% (-42.4% to -6.1%)#**	**-28.6% (-45.2% to -4.5%)#**	**-43.3% (-60.1% to -19.4%)#**	**-63.3% (-74.3% to -47.6%)#**	**-20.2% (-29.9% to -7.2%)#**	-1.2% (-10.6% to 10.3%)	1.3% (-10.5% to 13.6%)	**-33.7% (-47.8% to -14.3%)#**	**-43.2% (-56.0% to -26.0%)#**	**-39.5% (-51.8% to -23.1%)#**	0.2% (-9.7% to 11.4%)
Niger	Death #, 1990	12,035 (10,944 to 13,188)	8,200 (6,623 to 9,941)	33,973 (30,527 to 37,877)	70,589 (64,438 to 77,750)	4,518 (4,246 to 4,812)	1,699 (1,614 to 1,801)	1,639 (1,508 to 1,784)	54,207 (49,646 to 59,426)	124,797 (116,431 to 134,168)	132,653 (124,114 to 142,404)	3,338 (3,128 to 3,571)
	Death #, 2000	16,163 (14,446 to 18,032)	7,541 (5,814 to 9,413)	31,159 (27,939 to 34,767)	69,067 (61,874 to 76,500)	4,549 (4,199 to 4,923)	1,799 (1,696 to 1,903)	1,967 (1,801 to 2,134)	54,863 (48,568 to 61,527)	123,929 (113,477 to 136,149)	132,244 (121,420 to 144,861)	3,766 (3,507 to 4,026)
	Death #, 2017	16,621 (13,448 to 20,643)	5,944 (4,814 to 7,374)	24,400 (19,877 to 30,146)	50,258 (41,163 to 62,074)	4,508 (3,856 to 5,235)	2,421 (2,186 to 2,666)	2,837 (2,492 to 3,176)	46,965 (38,162 to 58,156)	97,223 (79,384 to 120,178)	106,989 (88,363 to 131,108)	5,258 (4,742 to 5,800)
	% change 1990-2017	**38.1% (9.4% to 77.2%)#**	**-27.5% (-44.5% to -2.7%)#**	**-28.2% (-43.0% to -9.0%)#**	**-28.8% (-43.1% to -11.8%)#**	-0.2% (-15.5% to 17.2%)	**42.5% (27.0% to 59.7%)#**	**73.1% (48.6% to 98.1%)#**	-13.4% (-30.8% to 9.2%)	**-22.1% (-37.0% to -3.3%)#**	**-19.4% (-34.1% to -0.7%)#**	**57.5% (39.0% to 76.7%)#**
	% change 2000-2017	2.8% (-17.0% to 29.0%)	-21.2% (-42.0% to 7.0%)	**-21.7% (-36.7% to -2.2%)#**	**-27.2% (-41.4% to -8.8%)#**	-0.9% (-15.7% to 16.5%)	**34.6% (20.9% to 49.4%)#**	**44.2% (25.5% to 63.9%)#**	-14.4% (-31.9% to 7.6%)	**-21.6% (-35.8% to -2.6%)#**	**-19.1% (-33.1% to -0.5%)#**	**39.6% (24.7% to 55.3%)#**
Nigeria	Death #, 1990	148,357 (135,804 to 161,349)	58,243 (50,618 to 66,236)	219,229 (202,433 to 237,245)	396,922 (362,787 to 434,047)	27,707 (26,346 to 29,087)	12,642 (11,079 to 14,386)	13,968 (10,822 to 17,864)	425,830 (394,143 to 459,668)	822,752 (764,514 to 884,806)	877,069 (816,898 to 942,367)	26,610 (21,934 to 32,312)
	Death #, 2000	204,358 (181,068 to 230,363)	71,498 (62,103 to 83,027)	271,899 (242,343 to 303,257)	463,861 (422,243 to 507,738)	35,943 (34,108 to 37,862)	16,012 (13,552 to 18,494)	18,298 (13,103 to 24,200)	547,756 (497,441 to 603,261)	1,011,616 (936,211 to 1,088,442)	1,081,870 (1,006,585 to 1,163,805)	34,310 (26,775 to 42,759)
	Death #, 2017	212,640 (172,406 to 260,444)	56,104 (44,880 to 69,538)	214,451 (175,670 to 260,438)	305,842 (252,543 to 367,348)	36,107 (32,263 to 40,484)	20,086 (17,857 to 23,380)	20,941 (16,306 to 28,065)	483,195 (393,184 to 589,786)	789,037 (645,668 to 958,934)	866,170 (714,460 to 1,044,844)	41,027 (34,297 to 51,094)
	% change 1990-2017	**43.3% (15.6% to 78.5%)#**	-3.7% (-24.4% to 24.6%)	-2.2% (-20.4% to 21.0%)	**-22.9% (-37.1% to -6.3%)#**	**30.3% (16.6% to 45.8%)#**	**58.9% (40.7% to 81.8%)#**	**49.9% (12.8% to 107.7%)#**	13.5% (-7.7% to 40.9%)	-4.1% (-21.4% to 18.4%)	-1.2% (-17.9% to 20.0%)	**54.2% (26.2% to 94.4%)#**
	% change 2000-2017	4.0% (-18.5% to 32.6%)	-21.5% (-40.0% to 0.8%)	**-21.1% (-37.1% to -1.9%)#**	**-34.1% (-46.2% to -18.8%)#**	0.5% (-10.9% to 12.3%)	**25.4% (11.1% to 42.6%)#**	14.4% (-11.2% to 52.9%)	-11.8% (-29.9% to 9.0%)	**-22.0% (-37.0% to -4.8%)#**	**-19.9% (-34.3% to -3.8%)#**	19.6% (-1.0% to 46.9%)
Sao Tome Principe	Death #, 1990	66 (57 to 77)	30 (21 to 42)	169 (152 to 189)	199 (177 to 221)	41 (39 to 44)	18 (17 to 18)	18 (17 to 19)	266 (239 to 294)	465 (424 to 507)	541 (497 to 588)	35 (33 to 37)
	Death #, 2000	72 (62 to 84)	35 (28 to 43)	129 (114 to 145)	144 (126 to 164)	31 (29 to 33)	18 (17 to 19)	23 (21 to 24)	236 (210 to 264)	380 (339 to 423)	452 (407 to 497)	40 (38 to 43)
	Death #, 2017	51 (41 to 62)	19 (13 to 28)	53 (43 to 65)	31 (25 to 38)	17 (15 to 20)	12 (11 to 14)	20 (18 to 23)	123 (99 to 151)	154 (124 to 189)	204 (172 to 242)	33 (30 to 36)
	% change 1990-2017	**-23.6% (-42.1% to -2.6%)#**	-37.3% (-68.8% to 21.8%)	**-68.6% (-75.6% to -60.5%)#**	**-84.4% (-87.6% to -80.2%)#**	**-57.8% (-63.9% to -50.7%)#**	**-28.7% (-36.2% to -20.7%)#**	13.3% (-1.2% to 30.8%)	**-53.8% (-63.7% to -41.9%)#**	**-66.9% (-73.7% to -58.5%)#**	**-62.3% (-68.9% to -54.4%)#**	-7.5% (-17.1% to 3.5%)
	% change 2000-2017	**-29.7% (-44.5% to -10.3%)#**	**-45.2% (-66.0% to -12.2%)#**	**-58.8% (-66.9% to -48.1%)#**	**-78.5% (-83.2% to -72.7%)#**	**-43.9% (-51.8% to -34.8%)#**	**-28.9% (-36.5% to -21.3%)#**	-11.4% (-21.8% to 0.8%)	**-47.9% (-58.6% to -34.5%)#**	**-59.5% (-68.1% to -49.2%)#**	**-54.8% (-62.9% to -45.3%)#**	**-19.1% (-27.4% to -10.4%)#**
	Death #, 1990	8,611 (6,667 to 10,976)	4,385 (3,812 to 4,965)	11,128 (10,018 to 12,302)	22,603 (19,896 to 25,405)	1,978 (1,875 to 2,086)	1,026 (978 to 1,076)	1,287 (1,189 to 1,392)	24,124 (20,891 to 27,546)	46,727 (42,801 to 50,800)	51,018 (46,985 to 55,140)	2,313 (2,172 to 2,457)

eTable 2. ENN, LNN, PNN, 1-4, 5-9, 10-14, 15-19, <1, <5, 10-19, and <20 years mortality in 1990, 2000 and 2017 with mean percentage change for all GBD causes.

	Metric	Early Neonatal	Late Neonatal	Post Neonatal	1 to 4	5 to 9	10 to 14	15 to 19	<1 year	Under 5	<20 years	10 to 19
Senegal	Death #, 2000	9,772 (8,578 to 11,073)	3,748 (3,062 to 4,533)	10,822 (9,239 to 12,345)	19,497 (17,054 to 22,397)	1,991 (1,878 to 2,106)	1,152 (1,092 to 1,207)	1,525 (1,412 to 1,637)	24,342 (21,193 to 27,465)	43,839 (39,484 to 48,675)	48,509 (44,038 to 53,383)	2,678 (2,503 to 2,835)
	Death #, 2017	7,372 (5,675 to 9,613)	2,426 (1,867 to 3,172)	6,361 (4,907 to 8,268)	6,416 (4,998 to 8,258)	1,379 (1,256 to 1,549)	1,010 (931 to 1,096)	1,542 (1,420 to 1,709)	16,159 (12,453 to 21,040)	22,575 (17,440 to 29,262)	26,506 (21,330 to 33,424)	2,552 (2,368 to 2,791)
	% change 1990-2017	-14.4% (-38.5% to 21.2%)	**-44.7% (-57.8% to -25.9%)#**	**-42.8% (-56.4% to -25.0%)#**	**-71.6% (-78.3% to -62.8%)#**	**-30.3% (-37.6% to -21.0%)#**	-1.6% (-10.9% to 8.2%)	**19.8% (6.3% to 36.4%)#**	**-33.0% (-49.0% to -9.6%)#**	**-51.7% (-62.6% to -36.4%)#**	**-48.0% (-58.8% to -33.6%)#**	10.3% (-0.1% to 23.1%)
	% change 2000-2017	**-24.6% (-42.6% to -1.1%)#**	**-35.3% (-53.0% to -11.2%)#**	**-41.2% (-55.4% to -21.4%)#**	**-67.1% (-74.6% to -57.1%)#**	**-30.8% (-37.7% to -21.5%)#**	**-12.4% (-20.3% to -3.7%)#**	1.1% (-9.3% to 14.4%)	**-33.6% (-49.5% to -13.4%)#**	**-48.5% (-60.5% to -33.5%)#**	**-45.4% (-56.6% to -31.2%)#**	-4.7% (-13.0% to 6.3%)
Sierra Leone	Death #, 1990	8,642 (7,664 to 9,588)	3,073 (2,640 to 3,541)	16,187 (14,382 to 18,003)	16,410 (14,497 to 18,699)	1,495 (1,398 to 1,597)	622 (578 to 669)	701 (623 to 785)	27,902 (24,944 to 30,968)	44,312 (41,135 to 47,600)	47,130 (43,790 to 50,510)	1,324 (1,201 to 1,453)
	Death #, 2000	7,681 (6,995 to 8,427)	2,388 (2,007 to 2,828)	14,788 (13,467 to 16,255)	13,028 (11,356 to 14,907)	1,610 (1,521 to 1,711)	841 (797 to 887)	991 (918 to 1,061)	24,858 (22,598 to 27,254)	37,886 (34,938 to 41,136)	41,327 (38,282 to 44,769)	1,832 (1,723 to 1,940)
	Death #, 2017	7,216 (5,582 to 9,228)	1,841 (1,420 to 2,356)	11,058 (8,660 to 13,947)	9,864 (7,923 to 12,082)	1,425 (1,242 to 1,617)	888 (806 to 982)	1,199 (1,070 to 1,346)	20,114 (15,670 to 25,531)	29,978 (23,582 to 37,633)	33,490 (26,768 to 41,540)	2,087 (1,892 to 2,292)
	% change 1990-2017	-16.5% (-36.3% to 8.8%)	**-40.1% (-55.3% to -20.3%)#**	**-31.7% (-47.6% to -11.7%)#**	**-39.9% (-54.2% to -23.7%)#**	-4.6% (-18.2% to 9.8%)	**42.7% (26.9% to 61.0%)#**	**71.0% (45.2% to 102.5%)#**	**-27.9% (-44.7% to -7.1%)#**	**-32.4% (-47.4% to -13.7%)#**	**-28.9% (-43.7% to -10.9%)#**	**57.7% (37.7% to 81.3%)#**
	% change 2000-2017	-6.1% (-29.2% to 21.1%)	-22.9% (-42.6% to 2.9%)	**-25.2% (-42.9% to -5.1%)#**	**-24.3% (-41.1% to -3.0%)#**	-11.4% (-23.5% to 2.0%)	5.6% (-5.3% to 17.3%)	**21.0% (6.6% to 37.4%)#**	-19.1% (-38.5% to 3.6%)	-20.9% (-38.6% to 0.4%)	-19.0% (-36.1% to 1.4%)	**13.9% (2.5% to 27.2%)#**
Togo	Death #, 1990	5,390 (4,719 to 6,183)	1,371 (982 to 1,862)	5,925 (5,220 to 6,707)	9,765 (8,994 to 10,478)	1,026 (954 to 1,107)	529 (496 to 565)	664 (601 to 728)	12,686 (11,121 to 14,499)	22,450 (20,363 to 24,597)	24,669 (22,489 to 26,969)	1,193 (1,102 to 1,286)
	Death #, 2000	5,827 (4,634 to 7,113)	1,281 (1,021 to 1,553)	5,949 (5,297 to 6,633)	10,027 (8,810 to 11,305)	1,116 (1,026 to 1,206)	609 (559 to 657)	854 (759 to 951)	13,057 (11,247 to 15,003)	23,084 (20,398 to 25,902)	25,664 (22,838 to 28,642)	1,464 (1,331 to 1,603)
	Death #, 2017	4,468 (3,483 to 5,786)	771 (597 to 1,001)	3,719 (2,921 to 4,804)	5,060 (4,022 to 6,492)	1,001 (879 to 1,129)	771 (684 to 867)	1,184 (985 to 1,387)	8,958 (7,006 to 11,593)	14,018 (11,004 to 18,070)	16,974 (13,977 to 21,191)	1,955 (1,693 to 2,221)
	% change 1990-2017	-17.1% (-37.8% to 10.5%)	**-43.8% (-61.7% to -13.5%)#**	**-37.2% (-52.2% to -17.3%)#**	**-48.2% (-59.3% to -33.4%)#**	-2.4% (-15.3% to 13.3%)	**45.7% (27.8% to 67.3%)#**	**78.4% (46.5% to 114.8%)#**	**-29.4% (-46.5% to -6.1%)#**	**-37.6% (-51.2% to -18.8%)#**	**-31.2% (-44.0% to -13.1%)#**	**63.9% (39.5% to 89.5%)#**
	% change 2000-2017	-23.3% (-43.4% to 6.1%)	**-39.8% (-56.3% to -16.7%)#**	**-37.5% (-51.4% to -18.3%)#**	**-49.5% (-60.9% to -34.6%)#**	-10.3% (-22.6% to 3.8%)	**26.5% (10.8% to 45.6%)#**	**38.6% (15.8% to 62.5%)#**	**-31.4% (-48.0% to -8.4%)#**	**-39.3% (-53.1% to -20.4%)#**	**-33.9% (-46.7% to -16.6%)#**	**33.5% (15.2% to 55.0%)#**

95% UIs are in parentheses. Bold items denote statistically significant increases or decreases.

eTable 3a: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for <20 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Global	0.625	8.451	-3.314	-10.9	-13.405	-2.306	-6.014	-23.858
Low SDI	-8.071	-7.225	-9.736	-14.137	-8.839	-7.445	1.406	-30.875
Low-middle SDI	8.425	13.203	0.056	-8.19	1.053	11.153	-2.067	-16.129
Middle SDI	-3.681	-1.459	-2.494	-13.777	-4.794	6.499	-9.197	-19.475
High-middle SDI	-17.323	-21.131	-5.094	-12.932	-29.368	-30.573	-19.104	-37.437
High SDI	9.216	15.853	-0.304	-14.108	30.701	71.988	11.532	-6.683
Central Europe, Eastern Europe, and Central Asia	-1.34	-2.314	0.799	11.647	-8.405	11.245	-7.758	-33.117
Central Asia	-21.719	-25.206	-2.642	-18.782	6.036	24.638	5.222	-13.315
Armenia	-39.242	-48.023	-15.786	-44.837	11.676	28.585	1.698	-13.264
Azerbaijan	-38.668	-45.224	-14.42	-35.089	18.814	42.671	20.533	1.333
Georgia	-37.568	-45.948	-14.084	-50.83	-11.952	-23.066	11.912	41.224
Kazakhstan	-9.398	-17.902	10.455	-1.964	-6.322	8.416	-7.982	-18.894
Kyrgyzstan	-36.107	-43.157	-9.932	-30.894	-20.997	-18.152	-13.895	-35.514
Mongolia	-23.643	-23.692	-9.434	-13.062	-12.311	-6.057	-14.971	14.31
Tajikistan	-38.936	-44.196	-14.05	-28.435	11.969	15.229	25.372	-10.334
Turkmenistan	-15.767	-15.903	-2.71	-16.984	-19.915	-15.899	10.936	-41.676
Uzbekistan	-9.643	-10.92	5.997	-11.601	9.42	28.677	2.572	-17.832
Central Europe	-4.565	-2.073	-5.552	-4.432	-6.957	4.916	-6.602	-22.105
Albania	-16.211	-28.612	5.699	2.494	-2.092	-4.179	1.333	-20.601
Bosnia and Herzegovina	29.788	17.014	15.195	43.418	34.244	58.683	14.517	4.374
Bulgaria	12.207	22.983	7.498	0.109	-8.956	6.882	-11.904	-25.432
Croatia	-7.565	-8.814	-4.346	-15.063	-3.526	10.416	-2.644	-27.753
Czech Republic	-0.797	0.071	-6.337	3.758	-8.617	4.931	-6.936	-27.447
Hungary	-4.446	1.089	-4.728	-16.409	-7.168	-2.089	-7.47	-14.806
Macedonia	-33.753	-42.199	-21.397	-16.261	14.507	37.075	3.023	9.777
Montenegro	-9.33	-16.634	-2.882	-3.492	-14.596	-20.613	-5.254	-17.941
Poland	-1.014	-5.74	-3.988	6.329	4.481	38.574	-2.148	-18.108
Romania	-2.377	11.399	-6.688	-16.51	-14.538	-6.554	-9.369	-26.543
Serbia	-27.511	-31.36	-28.687	-13.81	-13.398	-0.17	-18.41	-30.126
Slovakia	7.801	7.181	7.082	9.557	1.507	23.997	-2.342	-16.28
Slovenia	2.47	2.12	0.811	1.843	-12.103	0.493	-10.392	-30.52
Eastern Europe	2.693	-11.654	1.875	24.416	-12.438	21.244	-13.238	-40.624
Belarus	-0.484	-10.483	-2.183	6.635	0.412	46.747	-10.633	-32.514
Estonia	-10.311	-6.823	-3.576	-24.688	-17.428	5.247	-12.327	-47.408
Latvia	-10.766	-10.862	-6.358	-21.675	-9.399	29.465	-11.58	-40.197
Lithuania	-7.528	-10.549	-7.858	-8.544	-0.708	42.817	-3.737	-31.104
Moldova	-26.167	-35.954	-7.661	-33.813	13.439	46.604	-6.293	-21.735
Russian Federation	11.119	-4.529	7.5	40.377	-21.434	9.671	-18.847	-49.435
Ukraine	-18.517	-33.908	-11.198	-9.521	17.038	53.388	4.272	-4.861
High-income	-7.439	-6.013	-4.424	-19.694	-1.573	7.074	0.364	-22.196
Australasia	-9.075	-3.814	-9.689	-16.406	-2.11	8.358	-2.629	-14.813
Australia	-6.814	-0.904	-7.439	-15.82	-1.04	11.512	-2.579	-12.83
New Zealand	-11.873	-2.95	-15.711	-14.05	-8.533	-8.182	-4.285	-22.067
High-income Asia Pacific	-6.458	8.733	-5.709	-24.707	-7.263	-0.312	-2.821	-31.246
Brunei	1.292	19.726	-3.293	-14.091	16.454	41.018	10.241	4.877
Japan	-2.425	9.067	-2.854	-16.361	-5.98	-1.615	-4.428	-20.112
Aichi	0.233	15.954	-2.537	-9.996	-7.114	-1.086	-4.367	-26.266
Akita	-2.02	1.533	-3.61	-6.51	0.69	4.246	2.41	-14.736
Aomori	-3.767	3.949	-4.505	-16.31	0.796	-0.178	1.216	-5.153
Chiba	1.226	19.555	-0.609	-14.179	-4.753	1.139	-3.647	-18.795
Ehime	-2.109	0.405	-2.726	-9.247	-3.118	-0.304	-2.037	-14.856
Fukui	0.041	11.981	-1.644	-11.863	-7.447	-6.655	-3.665	-25.303
Fukuoka	0.864	12.767	-0.37	-11.703	-9.699	-3.952	-6.792	-29.353
Fukushima	-5.693	-2.023	-5.435	-15.351	-0.022	7.082	-0.37	-12.968
Gifu	2.411	17.566	-1.005	-7.116	-3.789	2.383	-2.127	-19.687
Gunma	0.505	16.825	-2.957	-10.005	-2.321	1.67	-0.869	-15.628
Hiroshima	-2.556	10.202	-4.221	-13.906	-6.024	4.506	-4.539	-25.543
Hokkaido	-4.94	-0.82	-4.111	-15.546	-5.952	7.006	-4.867	-27.354
Hyogo	-3.091	10.565	-4.251	-16.966	-5.937	-3.226	-4.127	-19.08
Ibaraki	-7.061	5.328	-3.532	-28.57	-2.496	6.722	-1.078	-20.081
Ishikawa	1.436	17.279	-1.08	-11.843	-4.119	-3.24	-2.165	-16.35
Iwate	-4.624	1.749	-4.226	-19.094	5.556	17.168	2.702	-3.995
Kagawa	-2.253	9.103	-4.294	-11.529	-4.107	2.637	-1.399	-22.764
Kagoshima	-1.921	1.384	-2.153	-11.044	-3.628	4.884	-3.772	-18.081
Kanagawa	-4.508	10.449	-3.05	-27.469	-7.002	-8.384	-5.654	-13.056

eTable 3a: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for <20 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Kochi	0.458	8.134	-2.625	-4.794	-4.939	2.467	-3.076	-23.165
Kumamoto	-3.719	3.7	-3.95	-17.349	-5.377	0.812	-5.058	-19.864
Kyoto	-3.454	8.399	-3.646	-18.336	-5.58	-1.631	-3.483	-21.538
Mie	-2.43	8.598	-2.818	-16.007	-2.625	8.31	-1.227	-22.278
Miyagi	0.132	3.749	-0.288	-7.347	-3.179	7.691	-2.943	-19.266
Miyazaki	-4.278	-4.027	-4.1	-10.633	-2.254	7.274	-2.492	-18.664
Nagano	-1.987	2.265	-4.514	-2.565	-0.263	6.587	0.992	-15.864
Nagasaki	-1.148	7.65	-1.846	-15.028	-3.914	1.47	-3.048	-19.924
Nara	0.231	6.64	-1.695	-5.339	-3.583	0.735	-1.757	-19.643
Niigata	1.103	11.159	0.793	-14.577	-2.362	4.799	-2.236	-16.49
Oita	-3.572	7.311	-5.302	-14.032	-1.017	7.376	-0.282	-17.34
Okayama	-2.612	10.691	-3.962	-15.546	-8.504	-3.038	-5.249	-29.074
Okinawa	-8.366	-3.697	-5.868	-25.72	-2.855	6.038	-3.476	-19.365
Osaka	-6.638	8.483	-6.578	-24.604	-8.252	-11.233	-4.994	-19.854
Saga	-6.848	-3.158	-4.95	-20.205	-4.368	-0.905	-2.477	-20.667
Saitama	-1.09	12.836	-2.274	-16.642	-5.333	-2.731	-4.813	-14.297
Shiga	-1.461	11.765	-1.62	-18.204	-5.283	-1.075	-3.335	-21.144
Shimane	0.697	10.703	-2.47	-7.321	-2.602	5.333	-2.777	-16.775
Shizuoka	-4.563	6.954	-5.444	-16.837	-3.187	5.434	-2.217	-20.735
Tochigi	-0.502	9.981	-0.215	-16.317	-5.386	2.332	-4.625	-20.596
Tokushima	-1.206	9.786	-2.15	-15.433	2.622	11.577	1.717	-9.091
Tokyo	4.795	27.45	2.998	-15.446	-19.57	-23.526	-17.422	-23.253
Tottori	-4.513	2.989	-4.557	-17.99	5.487	14.866	3.46	-3.738
Toyama	-0.642	12.179	-2.736	-11.791	-2.327	-1.322	-1.084	-11.25
Wakayama	-5.97	5.907	-6.071	-23.26	-2.43	3.63	-1.303	-18.679
Yamagata	2.652	7.475	0.057	-0.995	5.103	15.837	3.466	-7.639
Yamaguchi	-3.793	4.375	-4.6	-14.135	-4.435	0.63	-2.92	-19.62
Yamanashi	-2.705	10.762	-4.247	-15.283	-5.837	-0.622	-2.334	-26.764
South Korea	-0.893	35.469	-5.626	-24.389	-9.11	6.677	-0.615	-44.086
Singapore	-11.363	1.761	-16.49	-21.613	4.246	11.281	2.604	-5.874
High-income North America	-7.571	-9.84	-1.664	-21.266	3.569	17.102	3.867	-15.464
Canada	-7.31	-3.793	-5.586	-21.275	7.648	30.837	4.964	-11.645
Greenland	-32.864	-46.561	-23.416	-26.125	-4.374	22.985	-0.482	-31.49
United States	-7.332	-9.83	-1.169	-21.127	3.029	15.647	3.555	-15.892
Alabama	-0.288	3.115	2.798	-11.003	6.596	21.378	8.113	-13.389
Alaska	-0.74	-8.51	1.988	-5.817	2.805	35.773	2.443	-19.45
Arizona	-4.943	-3.915	-1.583	-17.342	3.778	19.504	4.03	-21.015
Arkansas	-0.003	2.707	3.652	-13.212	7.687	27.943	5.579	-12.201
California	-13.2	-14.743	-6.78	-32.393	3.08	17.608	2.352	-17.72
Colorado	-6.231	-1.492	-3.21	-20.339	1.276	14.06	1.37	-15.21
Connecticut	-10.836	-16.717	-1.209	-29.544	-0.008	0.008	4.766	-20.382
Delaware	-4.136	-9.607	1.078	-8.426	1.109	13.257	2.845	-20.248
District of Columbia	-30.369	-30.658	-21.103	-34.709	-11.111	4.903	-7.815	-34.205
Florida	-10.005	-11.329	-4.004	-22.962	4.016	18.276	3.833	-12.576
Georgia	-8.4	-12.462	-2.213	-17.44	1.853	9.925	4.69	-17.234
Hawaii	4.435	15.657	5.717	-16.447	-0.128	13.224	-2.369	-11.577
Idaho	1.977	7.614	5.42	-15.313	-5.328	6.959	-4.79	-25.372
Illinois	-4.606	-0.527	-0.444	-19.531	-0.433	7.596	2.013	-17.54
Indiana	-1.622	-3.923	2.318	-10.601	4.875	20.363	4.866	-14.915
Iowa	-0.183	-5.855	4.58	-9.699	-2.897	7.933	-1.187	-23.724
Kansas	3.253	2.874	6.997	-8.229	-0.221	19.566	0.136	-23.129
Kentucky	0.531	3.638	3.219	-13.466	7.821	22.592	8.088	-15.399
Louisiana	5.248	5.922	9.506	-7.661	10.461	31.191	5.197	-0.429
Maine	2.32	-1.131	7.006	-10.294	13.163	38.953	11.113	-9.842
Maryland	-8.496	-11.318	-0.207	-22.226	2.946	16.184	4.687	-16.892
Massachusetts	-9.505	-14.19	-1.037	-29.769	5.157	13.222	6.393	-13.303
Michigan	-6.895	-6.582	0.403	-25.039	3.372	8.2	4.48	-6.978
Minnesota	-1.735	-6.708	3.75	-13.821	1.949	27.833	0.145	-20.294
Mississippi	4.79	10.477	5.624	-5.329	4.941	24.082	1.943	-9.194
Missouri	-1.64	-1.714	1.18	-10.112	2.123	18.252	2.784	-17.313
Montana	6.528	5.498	8.269	-1.165	3.934	30.338	1.732	-13.568
Nebraska	2.109	9.104	5.618	-14.59	-3.758	11.545	-3.265	-23.357
Nevada	-8.49	-2.976	-4.757	-25.382	1.489	12.53	0.81	-13.458
New Hampshire	-3.948	-9.478	2.31	-18.64	5.467	17.848	7.309	-19.973
New Jersey	-16.29	-24.394	-5.783	-35.09	1.11	-1.115	5.135	-14.201

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
New Mexico	-4.905	-5.281	0.654	-20.51	9.567	36.349	6.128	-13.166
New York	-16.693	-24.629	-5.282	-35.907	0.234	4.948	3.14	-20.191
North Carolina	-7.776	-4.881	-2.808	-22.308	-1.656	1.885	1.927	-16.082
North Dakota	7.786	8.085	11.774	-6.641	6.459	39.716	0.261	-7.953
Ohio	-2.593	-3.002	2.684	-18.263	7.22	18.725	6.825	-8.961
Oklahoma	1.131	5.321	5.802	-15.201	14.889	42.44	9.448	-3.156
Oregon	-3.014	0.836	1.767	-23.051	2.089	26.286	0.711	-22.188
Pennsylvania	-3.989	-10.076	2.685	-14.541	3.86	17.628	4.856	-17.845
Rhode Island	-5.52	-11.026	-0.198	-13.987	3.162	16.56	4.377	-22.733
South Carolina	-5.006	-4.567	-1.661	-13.808	2.343	10.376	3.634	-11.442
South Dakota	6.529	3.226	8.246	0.028	0.759	30.086	-1.757	-17.718
Tennessee	-0.126	0.152	2.24	-7.904	-4.281	0.04	-0.45	-22.523
Texas	-7.377	-11.761	-1.738	-19.611	10.123	38.904	7.105	-17.048
Utah	8.806	16.463	10.004	-9.674	5.476	30.825	1.183	-13.063
Vermont	0.871	-1.77	7.519	-15.158	-1.406	13.497	0.044	-24.262
Virginia	-11.341	-17.076	-2.744	-24.116	2.517	12.39	4.574	-16.445
Washington	-3.364	-2.202	1.246	-22.178	1.525	22.656	0.542	-21.502
West Virginia	5.182	6.581	7.817	-6.86	1.76	13.56	3.766	-21.427
Wisconsin	1.34	6.108	4.718	-14.555	-1.56	16.771	-0.948	-25.614
Wyoming	11.006	18.313	8.674	5.315	-1.013	33.744	-1.868	-25.918
Southern Latin America	-2.602	-4.031	-1.908	-10.928	5.389	11.969	0.176	-2.664
Argentina	-0.576	-1.464	-2.87	0.826	0.799	4.666	-2.301	-4.523
Chile	-6.47	-11.88	2.002	-36.622	18.282	37.054	7.156	-3.375
Uruguay	-2.4	-4.311	-2.767	-10.81	3.956	3.452	-1.374	1.177
Western Europe	-6.789	-0.326	-7.55	-19.007	-5.703	3.791	-3.147	-34.716
Andorra	-14.416	-13.125	-11.641	-28.415	-6.51	-18.838	-1.244	-19.113
Austria	-10.463	-8.025	-10.229	-18.074	-2.554	19.69	-1.243	-35.159
Belgium	-12.696	-13.222	-12.25	-15.66	-10.233	-1.321	-5.734	-37.411
Cyprus	-2.659	-8.584	-7.452	23.38	-11.175	-2.398	-6.446	-37.749
Denmark	-13.077	-3.971	-14.888	-19.143	-8.266	-2.799	-3.606	-37.623
Finland	-9.444	-9.811	-6.093	-19.977	-6.613	2.67	-3.706	-29.952
France	-3.664	11.25	-7.944	-12.646	-5.683	4.816	-2.516	-34.976
Germany	-12.22	-12.525	-9.694	-24.332	1.956	24.376	1.688	-29.354
Greece	7.914	14.272	2.134	2.721	-6.511	0.427	-4.253	-30.316
Iceland	-15.173	-19.958	-9.616	-31.796	-1.156	-3.489	0.358	-12.735
Ireland	17.269	38.222	7.421	15.043	-14.416	-4.257	-11.937	-45.175
Israel	-8.397	-7.479	-8.731	-12.357	-12.783	-15.869	-6.835	-34.35
Italy	-9.107	-9.22	-6.865	-22.148	-12.396	-17.668	-5.843	-39.223
Luxembourg	-19.815	-15.52	-15.052	-37.865	-12.69	-20.819	-4.472	-34.016
Malta	-2.744	-6.823	-2.914	1.641	12.338	27.152	9.378	-8.75
Netherlands	-5.251	10.369	-8.005	-19.074	-9.343	-11.43	-4.355	-31.401
Norway	-12.503	-9.712	-9.887	-25.813	-5.503	1.081	-2.738	-25.562
Portugal	1.889	10.165	0.154	-23.813	-12.447	-7.8	-7.125	-50.888
Spain	6.845	23.342	1.343	-12.213	-12.16	2.053	-9.897	-47.415
Sweden	-11.208	-11.63	-11.846	-18.995	3.369	23.058	1.413	-18.951
Stockholm	-18.355	-20.904	-17.549	-21.93	-2.125	6.792	-1.85	-20.308
Sweden except Stockholm	-9.951	-10.562	-10.811	-18.574	5.058	27.893	2.439	-18.285
Switzerland	-16.993	-15.034	-12.982	-32.951	-7.82	7.546	-5.162	-41.367
United Kingdom	-3.913	8.675	-8.919	-17.418	6.944	26.2	3.138	-18.787
England	-3.113	12.073	-8.902	-17.308	5.131	22.164	2.213	-19.534
East Midlands	-2.76	10.673	-8.514	-17.114	6.328	27.795	2.78	-24.636
Derby	-3.061	15.132	-9.184	-23.351	5.144	28.9	-0.262	-20.192
Derbyshire	-4.811	9.141	-10.241	-23.115	10.557	20.982	7.624	-10.287
Leicester	0.781	17.3	-7.761	-6.518	6.77	33.466	1.759	-26.767
Leicestershire	-3.568	4.996	-7.839	-14.892	8.487	33.701	5.131	-26.526
Lincolnshire	-4.929	7.101	-9.829	-20.545	3.712	19.6	1.612	-25.33
Northamptonshire	-10.064	-1.144	-13.799	-22.272	6.928	33.659	2.122	-26.229
Nottingham	10.347	24.989	2.843	7.85	-3.884	19.939	-5.458	-39.744
Nottinghamshire	-1.685	13.262	-7.826	-20.577	7.738	30.76	3.107	-25.083
Rutland	-5.169	-0.79	-7.127	-18.941	3.811	9.432	3.255	-22.162
East of England	-2.95	11.353	-8.04	-19.699	6.973	24.963	3.841	-21.345
Bedford	-5.679	13.258	-11.085	-23.68	3.885	28.194	0.411	-27.479
Cambridgeshire	1.949	25.521	-3.665	-19.545	3.101	18.898	3.224	-30.138
Central Bedfordshire	-7.73	1.492	-10.547	-24.557	7.921	24.837	4.873	-20.161
Essex	-2.727	10.77	-8.054	-19.913	9.474	26.037	5.826	-17.392

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Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Hertfordshire	-4.602	13.3	-8.818	-27.902	5.614	18.37	3.693	-16.817
Luton	4.226	18.28	-2.143	-9.787	8.658	40.932	0.457	-22.427
Norfolk	-2.322	12.475	-8.174	-18.657	8.036	31.485	3.924	-25.328
Peterborough	-4.156	9.193	-8.696	-20.375	-0.458	12.185	-3.763	-18.529
Southend-on-Sea	-6.378	-1.887	-11.188	-13.14	11.184	35.211	4.415	-15.493
Suffolk	-3.408	5.442	-8.934	-10.248	7.666	24.657	4.82	-22.869
Thurrock	-4.223	5.349	-8.837	-17.314	-2.275	2.113	-2.122	-22.432
Greater London	-5.844	8.704	-9.772	-17.477	-5.787	1.048	-4.232	-24.752
Barking and Dagenham	-14.038	-7.804	-16.881	-26.39	-0.544	9.577	-3.591	-16.99
Barnet	-3.529	13.963	-8.088	-23.427	-2.978	-4.682	-1.033	-12.895
Bexley	-2.07	5.38	-6.277	-12.726	7.005	20.428	4.791	-22.799
Brent	-2.455	12.25	-8.251	-9.041	-22.301	-27.572	-16.394	-34.348
Bromley	-4.905	2.163	-9.136	-6.069	-0.915	0.483	0.996	-21.223
Camden	-17.717	-11.278	-15.615	-34.088	-10.956	-10.693	-6.262	-31.653
Croydon	-8.244	8.306	-12.604	-31.148	-9.544	-12.425	-7.274	-13.331
Ealing	-1.498	11.266	-7.258	-1.178	-16.037	-16.189	-11.818	-36.021
Enfield	2.901	17.867	-3.867	-4.951	-6.643	-2.232	-5.692	-25.125
Greenwich	-1.355	23.601	-11.686	-12.583	-4.432	11.592	-6.722	-31.659
Hackney	-7.973	9.785	-12.187	-25.745	-0.648	18.395	-2.396	-26.355
Hammersmith and Fulham	-17.046	-2.398	-20.34	-26.296	-17.115	-20.295	-11.097	-31.6
Haringey	-2.627	13.137	-8.9	-9.003	-18.328	-20.982	-12.288	-36.951
Harrow	6.845	28.951	-1.235	-9.11	-0.955	11.534	-3.469	-18.544
Havering	-5.784	-2.15	-7.339	-22.046	9.238	25.477	4.352	-10.37
Hillingdon	-8.405	-3.525	-8.17	-22.238	1.643	11.328	1.185	-17.827
Hounslow	-3.961	11.765	-8.643	-15.92	-7.459	5.08	-7.972	-30.086
Islington	-2.328	17.695	-7.12	-15.608	-6.807	-7.363	-3.103	-17.483
Kensington and Chelsea	-26.64	-18.404	-25.28	-43.795	-7.64	-19.703	-0.392	-11.248
Kingston upon Thames	-5.237	5.071	-7.382	-21.175	12.022	40	6.107	-8.279
Lambeth	-2.238	22.139	-10.03	-15.045	-6.185	3.073	-4.786	-24.681
Lewisham	-4.919	8.537	-11.376	-8.412	-10.991	-1.602	-9.901	-36.873
Merton	-9.287	1.352	-12.733	-18.552	0.467	12.869	-0.33	-23.438
Newham	-2.31	11.25	-8.206	-13.868	-6.704	0.986	-6.473	-25.659
Redbridge	-3.979	3.177	-8.129	-8.736	-9.911	-2.335	-8.759	-37.439
Richmond upon Thames	-9.759	-1.79	-11.043	-21.563	4.069	8.356	4.325	-5.998
Southwark	-6.182	11.981	-11.496	-16.338	-12.001	-5.532	-9.199	-31.38
Sutton	-6.001	5.059	-10.276	-19.45	4.825	13.222	3.549	-12.779
Tower Hamlets	7.06	30.862	0.193	-11.391	13.235	52.307	4.33	-12.88
Waltham Forest	-2.912	5.94	-8.458	-2.432	-15.343	-16.832	-12.184	-28.38
Wandsworth	-10.856	8.995	-14.632	-30.526	-12.967	-9.027	-9.373	-33.78
Westminster	-12.977	2.09	-15.656	-24.993	-19.256	-26.174	-10.949	-37.881
North East England	-1.484	9.264	-7.417	-17.423	7.462	27.117	0.885	-11.826
County Durham	4.491	22.943	-3.53	-17.702	5.276	26.272	-1.156	-18.46
Darlington	-8.409	0.17	-13.335	-19.119	7.029	21.848	1.349	-5.421
Gateshead	-8.79	-0.622	-13.734	-20.381	11.527	38.193	3.349	-9.813
Hartlepool	-7.556	1.731	-13.14	-23.684	8.715	29.213	0.832	-11.523
Middlesbrough	-1.888	5.654	-7.3	-12.136	0.74	19.98	-4.343	-27.647
Newcastle upon Tyne	-2.553	10.302	-6.799	-21.786	7.626	23.951	2.923	-5.608
North Tyneside	-4.619	0.75	-9.501	-16.758	9.356	31.415	0.899	-4.168
Northumberland	-2.652	5.776	-7.768	-17.089	4.644	17.27	0.226	-14.897
Redcar and Cleveland	-6.629	2.237	-12.412	-23.605	12.131	28.66	4.222	-3.635
South Tyneside	2.5	9.899	-4.699	-14.004	13.296	37.624	3.55	-9.71
Stockton-on-Tees	-2.433	9.967	-8.58	-17.511	6.891	27.206	-0.134	-7.148
Sunderland	0.912	7.508	-4.1	-13.094	7.335	23.404	1.511	-11.287
North West England	-0.572	13.083	-7.076	-11.557	10.486	33.483	4.762	-14.055
Blackburn with Darwen	-2.292	3.972	-9.789	4.171	-1.016	24.503	-5.805	-39.394
Blackpool	-3.297	11.246	-11.688	-13.009	1.564	25.009	-3.942	-29.562
Bolton	-4.281	6.966	-11.875	-6.446	1.589	16.156	-1.291	-25.196
Bury	-9.782	-4.492	-13.251	-20.679	10.66	39.718	2.811	-15.64
Cheshire East	-4.308	10.649	-8.242	-22.697	9.677	14.44	9.695	-2.286
Cheshire West and Chester	0.305	16.513	-5.22	-14.405	13.872	32.281	10.379	-8.394
Cumbria	-6.803	-4.033	-10.118	-10.067	9.395	29.878	5.878	-19.237
Halton	2.37	18.77	-5.085	-13.785	9.292	25.26	3.99	-8.877
Knowsley	2.12	13.861	-4.927	-9.697	13.237	31.08	7.296	-8.572
Lancashire	-2.368	15.438	-8.607	-21.146	11.146	25.798	6.511	-2.045
Liverpool	12.914	36.173	3.02	-1.044	15.926	52.216	7.73	-16.865

eTable 3a: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for <20 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Manchester	6.026	33.918	-2.649	-13.432	4.375	40.08	-2.671	-27.809
Oldham	-1.659	7.525	-8.835	-4.118	11.212	31.587	4.292	-12.741
Rochdale	-1.849	6.317	-8.784	-5.136	4.799	14.444	1.028	-10.618
Salford	1.312	22.365	-6.799	-15.401	10.052	43.522	2.902	-22.885
Sefton	2.512	17.259	-4.998	-11.473	12.102	31.279	5.687	-2.922
St Helens	2.954	21.322	-6.019	-12.374	6.694	19.854	2.021	-11.74
Stockport	-0.117	12.704	-5.746	-12.903	13.083	33.172	7.948	-7.578
Tameside	-3.378	1.297	-8.909	-7.26	2.641	21.055	-1.653	-26.217
Trafford	-6.055	2.926	-8.739	-18.485	2.149	15.766	0.633	-20.169
Warrington	-6.138	7.746	-10.446	-22.03	9.105	30.58	4.487	-13.534
Wigan	7.698	19.121	-3.098	18.511	0.782	11.777	-0.317	-28.226
Wirral	1.555	13.176	-6.688	-2.224	13.735	31.94	7.257	-3.693
South East England	-9.212	0.718	-12.012	-24.24	5.395	20.764	3.166	-20.077
Bracknell Forest	-7.342	-0.295	-9.575	-20.074	3.011	14.729	1.768	-20.954
Brighton and Hove	-4.044	12.942	-8.689	-20.338	6.753	18.306	5.478	-10.432
Buckinghamshire	-4.815	8.487	-9.947	-11.346	4.478	24.246	3.967	-31.018
East Sussex	-7.221	3.918	-10.789	-26.381	9.523	22.377	6.401	-14.501
Hampshire	-10.445	-1.648	-12.238	-29.407	7.056	26.184	3.985	-22.514
Isle of Wight	-17.599	-20.52	-18.398	-29.061	9.626	23.929	5.019	-15.66
Kent	-16.724	-10.397	-17.227	-37.804	10.995	27.241	6.256	-10.405
Medway	-9.61	-9.01	-11.889	-14.502	6.899	28.375	1.068	-21.671
Milton Keynes	-7.868	3.353	-11.295	-19.46	-0.91	12.564	-1.821	-26.215
Oxfordshire	-4.066	10.055	-7.976	-17.998	4.78	23.229	2.997	-24.555
Portsmouth	-7.882	-0.255	-11.843	-13.187	-6.984	1.042	-7.505	-26.656
Reading	-0.604	20.991	-6.293	-15.93	-8.319	4.351	-8.195	-32.362
Slough	-13.289	-6.353	-14.897	-22.162	-4.301	11.014	-5.82	-27.456
Southampton	-6.22	9.733	-11.013	-23.991	4.306	31.494	-1.756	-18.351
Surrey	-9.52	-0.395	-12.547	-19.217	6.892	19.453	5.316	-14.778
West Berkshire	-7.18	-0.759	-7.996	-21.32	0.048	5.965	1.167	-22.426
West Sussex	-7.629	3.161	-11.233	-21.718	6.034	20.611	4.22	-21.327
Windsor and Maidenhead	-2.824	8.354	-5.945	-14.692	5.145	24.999	3.16	-23.772
Wokingham	-7.347	1.029	-8.694	-24.328	11.083	30.143	7.352	-8.444
South West England	-6.213	7.988	-10.389	-25.263	6.686	24.036	3.237	-17.368
Bath and North East Somerset	-2.129	11.483	-6.98	-17.241	7.698	28.575	3.955	-19.191
Bournemouth	2.728	21.545	-3.94	-13.926	2.118	28.277	-2.733	-27.271
Bristol, City of	-4.08	16.632	-8.753	-27.378	0.625	17.162	-2.681	-16.322
Cornwall	0.82	13.885	-6.83	-7.788	12.784	44.112	6.264	-23.514
Devon	-6.144	2.062	-11.008	-15.611	13.089	39.01	6.737	-11.805
Dorset	-5.164	7.024	-8.13	-27.599	11.305	30.063	6.818	-12.01
Gloucestershire	-10.269	5.624	-12.523	-36.277	9.549	19.962	7.594	-9.436
North Somerset	-6.189	14.103	-9.779	-36.022	12.303	36.125	5.245	-9.939
Plymouth	-3.126	15.46	-8.089	-27.519	1.586	20.097	-2.804	-21.232
Poole	-3.893	7.741	-8.34	-20.736	1.502	14.544	-1.106	-19.902
Somerset	-4.459	10.068	-8.196	-26.094	6.941	25.526	3.704	-22.629
South Gloucestershire	-9.305	3.168	-12.784	-27.23	8.906	22.25	6.414	-13.277
Swindon	-13.653	-6.336	-16.273	-24.49	0.2	5.211	-0.124	-15.53
Torbay	-10.974	-2.219	-14.8	-26.7	7.485	29.47	0.744	-14.009
Wiltshire	-13.226	1.651	-16.362	-35.334	6.109	17.528	4.069	-15.688
West Midlands	-6.123	7.271	-12.316	-19.462	16.772	47.129	8.985	-13.449
Birmingham	-3.949	13.846	-12.703	-13.818	20.98	57.716	10.887	-10.739
Coventry	-8.646	5.331	-13.527	-26.778	10.804	37.715	3.966	-14.381
Dudley	-11.979	-4.591	-16.577	-24.159	16.012	37.86	8.338	-4.378
Herefordshire, County of	-5.815	-7.451	-10.281	-5.605	24.513	75.839	12.379	-4.941
Sandwell	-12.468	1.889	-18.229	-34.107	15.8	39.25	6.745	-2.955
Shropshire	-5.982	-2.002	-10.166	-12.242	8.373	33.458	5.907	-32.315
Solihull	-7.473	-2.296	-11.129	-14.888	19.639	44.749	13.288	-1.014
Staffordshire	-7.809	6.799	-12.03	-29.231	18.847	45.068	11.539	-5.298
Stoke-on-Trent	-2.368	5.307	-9.052	-0.526	6.952	35.975	0.118	-30.366
Telford and Wrekin	-10.463	-3.774	-13.968	-19.258	7.154	25.307	4.424	-23.158
Walsall	-7.079	1.317	-13.254	-13.727	20.721	58.479	9.364	-16.9
Warwickshire	-10.22	-0.013	-13.434	-25.886	16.595	47.945	10.643	-16.904
Wolverhampton	-5.542	13.603	-14.054	-23.253	8.38	28.997	2.392	-16.356
Worcestershire	-1.73	13.319	-8.403	-17.296	13.455	34.904	9.273	-17.144
Yorkshire and the Humber	0.811	17.171	-7.013	-11.206	1.867	14.562	-0.828	-19.436
Barnsley	-3.95	0.439	-9.439	-8.676	4.334	14.804	0.096	-15.865

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Bradford	-1.184	14.232	-9.712	-8.243	-5.342	9.985	-8.575	-34.289
Calderdale	-9.094	4.506	-15.583	-19.719	2.33	5.61	0.612	-4.636
Doncaster	2.088	12.462	-6.318	-1.859	7.461	28.1	0.93	-19.894
East Riding of Yorkshire	-0.305	11.904	-5.451	-16.118	3.236	8.853	2.008	-14.743
Kingston upon Hull, City of	5.26	15.094	-4.192	8.156	1.221	20.364	-3.89	-22.709
Kirklees	0.957	21.643	-7.579	-16.383	-0.97	7.582	-3.053	-18.401
Leeds	2.099	23.192	-5.29	-14.268	3.993	24.098	-0.212	-16.755
North East Lincolnshire	0.496	9.675	-5.483	-8.353	4.663	24.647	0.635	-24.682
North Lincolnshire	-6.247	2.123	-9.36	-23.276	4.416	15.695	0.508	-12.093
North Yorkshire	-5.533	5.476	-10.065	-19.151	5.849	21.904	3.585	-22.853
Rotherham	-2.944	10.33	-10.284	-17.601	7.112	13.83	3.789	-7.347
Sheffield	2.636	21.856	-5.394	-11.308	3.777	14.964	1.684	-15.446
Wakefield	-2.602	10.559	-9.218	-17.613	2.808	7.65	0.145	-7.143
York	3.091	21.563	-3.252	-9.142	2.964	14.961	1.224	-14.483
Northern Ireland	1.557	17.059	-3.525	-18.283	8.545	35.909	4.69	-25.729
Scotland	5.153	17.431	-3.912	-7.607	10.079	26.664	5.033	-16.716
Wales	17.686	40.76	0.447	3.408	14.862	37.935	6.185	-11.07
Latin America and Caribbean	-10.565	-13.542	-4.988	-11.506	-3.607	-5.202	-3.799	-5.402
Andean Latin America	-24.017	-25.374	-12.296	-34.636	-17.012	-15.344	-11.076	-34.435
Bolivia	-13.492	-15.9	2.084	-22.518	-23.376	-20.722	-19.777	-42.715
Ecuador	-2.192	-1.096	-6.47	0.999	-6.023	-18.786	4.134	2.482
Peru	-32.803	-34.373	-20.121	-43.92	-19	-13.033	-14.234	-44.753
Caribbean	-10.451	-7.8	-9.216	-17.527	8.55	17.999	1.904	10.344
Antigua and Barbuda	24.172	43.077	10.337	5.235	17.003	13.744	15.904	40.784
The Bahamas	-9.137	-15.056	-4.779	0.792	6.102	7.12	5.367	9.376
Barbados	4.43	8.214	0.489	6.352	9.815	15.97	8.297	0.346
Belize	26.793	30.425	-1.378	20.147	15.472	26.987	4.605	-18.735
Bermuda	-23.324	-28.998	-15.61	-39.204	7.646	19.706	5.161	-13.519
Cuba	-20.486	-26.27	-11.732	-38.546	19.214	33.593	5.566	-12.85
Dominica	31.002	46.083	12.635	8.722	99.202	164.845	50.676	78.808
Dominican Republic	-22.042	-22.459	-21.939	-22.562	24.653	40.394	2.455	17.09
Grenada	39.392	59.898	10.025	-4.906	17.901	26.247	4.881	9.119
Guyana	-0.173	2.015	-0.983	-12.235	13.357	11.599	13.597	22.981
Haiti	-18.314	-19.471	-14.568	-26.198	-13.365	-15.55	-11.824	-20.843
Jamaica	4.538	15.421	-7.551	-8.485	30.439	41.323	16.613	67.981
Puerto Rico	2.444	4.442	1.778	1.054	41.46	8.098	4.954	235.691
Saint Lucia	20.191	22.62	6.956	18.712	18.856	38.955	4.564	-7.099
Saint Vincent and the Grenadines	25.923	27.563	13.129	23.359	22.503	26.479	10.101	14.632
Suriname	-5.012	-1.602	-3.872	-22.013	3.855	9.932	-0.744	5.722
Trinidad and Tobago	17.239	29.747	11.022	-7.32	8.444	15.316	0.962	15.274
Virgin Islands, U.S.	-5.063	-1.679	-2.6	-15.055	13.279	21.492	7.07	27.228
Central Latin America	-7.194	-11.2	-2.109	-7.803	-1.981	-6.379	0.199	-6.755
Colombia	3.573	-0.579	0.175	6.808	-3.858	0.814	5.138	-41.764
Costa Rica	1.29	-4.18	-2.553	-0.474	24.645	37.304	7.682	8.275
El Salvador	-16.933	-18.903	-17.297	-32.213	13.244	8.11	1.11	3.021
Guatemala	-7.112	-3.432	-18.027	-20.714	5.435	-0.853	20.713	4.196
Honduras	-4.968	-10.508	-11.025	3.625	-12	-17.783	-15.084	-28.887
Mexico	-10.074	-16.229	1.426	-15.311	-6.645	-18.992	-3.688	8.719
Aguascalientes	-19.827	-27.152	-8.499	-17.826	-7.213	-19.717	-3.059	8.398
Baja California	-1.017	-4.25	4.041	-2.734	-24.725	-40.141	-11.953	-20.79
Baja California Sur	-0.774	-6.041	7.474	-2.591	-9.907	-23.79	-5.69	12.189
Campeche	-8.195	-12.359	0.521	-24.991	0.408	-3.526	-3.384	8.488
Chiapas	-15.759	-27.372	6.919	-3.375	-15.335	-29.327	-7.731	-8.681
Chihuahua	-8.922	-12.602	1.034	-16.624	0.715	-9.236	3.053	7.443
Coahuila	-8.651	-11.923	-2.912	-15.324	-2.02	-6.712	-3.204	9.239
Colima	-11.519	-15.511	0.15	-28.213	-7.724	-14.096	-10.11	2.847
Mexico City	5.124	11.338	3.72	-1.409	5.382	-6.933	8.02	50.975
Durango	-6.926	-11.331	3.253	-22.126	-1.307	-3.79	-6.977	-1.06
Guanajuato	-10.647	-17.625	3.3	-12.837	-14.967	-33.271	-7.089	10.275
Guerrero	-7.469	-13.667	0.543	-17.688	-7.331	-24.534	-5.2	0.319
Hidalgo	0.013	-7.159	2.672	-6.867	-11.671	-30.555	-8.091	4.209
Jalisco	-0.373	-4.645	6.772	-13.341	-11.915	-23.871	-9.504	-1.762
Mexico	-14.714	-16.131	-2.229	-28.474	-14.907	-32.028	-2.454	15.557
Michoacan de Ocampo	-8.008	-19.964	3.31	-8.207	-1.698	-16.082	1.433	-3.862
Morelos	-12.95	-19.014	-2.77	-17.771	-7.824	-26.146	-5.23	28.566

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Nayarit	-5.018	-7.803	2.361	-28.468	-9.519	-19.097	-11.638	-5.755
Nuevo Leon	-2.846	-6.922	2.709	-5.886	-9.597	-20.306	-6.687	8.062
Oaxaca	-16.697	-28.091	1.816	-16.733	8.733	-9.36	10.629	15.723
Puebla	-11.89	-20.705	6.379	-6.392	1.767	-12.805	4.775	22.117
Queretaro	-8.251	-14.54	-4.685	-4.396	-3.97	-15.719	-0.135	5.768
Quintana Roo	-8.441	-10.442	-1.903	-20.951	-17.326	-27.497	-12.167	-6.9
San Luis Potosi	-2.958	-10.794	5.878	-10.78	2.67	-13.495	1.854	22.098
Sinaloa	-3.666	-5.161	-0.371	-21.12	-1.757	-7.156	-7.289	4.785
Sonora	2.02	1.019	9.358	-14.69	-10.108	-21.933	-6.509	1.566
Tabasco	-11.514	-17.018	0.687	-24.781	5.776	0.442	0.55	20.012
Tamaulipas	-9.131	-7.211	-5.019	-29.415	-5.171	-14.167	-4.382	12.408
Tlaxcala	-14.232	-21.511	-2.152	-13.417	-2.109	-17.568	5.727	10.002
Veracruz de Ignacio de la Llave	-10.612	-20.199	3.903	-16.641	-8.176	-18.582	-13.005	9.609
Yucatan	-6.477	-12.75	-0.761	-8.461	0.977	-6.318	-2.805	21.957
Zacatecas	-7.678	-17.229	3.83	-9.866	-10.744	-25.557	-9.277	-0.704
Nicaragua	-22.839	-31.351	-3.176	-24.867	-7.633	-9.884	-5.242	-44.594
Panama	14.376	28.235	2.101	-9.716	19.354	37.78	4.945	4.821
Venezuela	-3.633	-6.952	-6.531	9.604	16.704	21.462	6.585	21.928
Tropical Latin America	-8.827	-13.498	-3.809	-2.528	-2.588	-8.179	-4.846	6.148
Brazil	-9.045	-13.903	-3.761	-2.596	-0.323	-4.731	-4.133	8.476
Acre	5.647	3.731	1.911	-6.905	5.457	0.604	-6.63	10.692
Alagoas	-22.199	-26.795	-8.718	-21.572	-22.797	-40.665	-20.185	21.881
Amapa	28.498	31.08	10.547	40.045	34.078	41.608	17.47	38.252
Amazonas	-2.875	-5.248	-1.269	-16.994	19.219	19.679	3.826	25.955
Bahia	-2.149	-7.97	6.614	-3.094	-7.066	-12.104	-11.534	-6.627
Ceara	-18.302	-20.957	-15.171	-17.383	-19.381	-33.837	-21.243	26.648
Distrito Federal	2.577	1.444	-0.633	34.511	-4.185	-0.971	-1.047	-3.5
Espirito Santo	-0.25	-8.807	-5.075	23.116	21.631	24.621	8.234	19.739
Goias	-5.876	-12.678	-6.137	-14.387	45.474	46.48	16.056	61.48
Maranhao	-17.526	-24.053	-6.915	-19.609	-24.646	-32.862	-23.52	-39.255
Mato Grosso	-0.912	-4.483	0.283	-10.803	17.391	20.377	3.768	16.859
Mato Grosso do Sul	21.992	19.125	12.888	28.718	11.534	8.866	2.853	11.381
Minas Gerais	6.681	2.356	7.065	10.358	7.368	-1.915	-1.475	39.199
Para	-10.133	-17.012	3.518	-15.191	-2.29	-11.175	-6.297	5.277
Paraiba	-15.839	-20.815	-13.976	-15.381	-4.617	-20.328	-13.26	22.145
Parana	-2.499	-9.368	-4.063	7.65	20.119	15.918	8.13	32.524
Pernambuco	-15.41	-21.469	-8.022	1.103	-17.751	-31.46	-16.406	1.263
Piaui	-0.004	-3.682	3.576	-8.123	-7.504	-20.865	-11.057	21.207
Rio de Janeiro	-12.855	-19.323	-10.637	-4.762	9.455	12.259	3.678	9.792
Rio Grande do Norte	-15.177	-20.768	-7.565	-10.702	-4.909	-24.748	-13.562	63.945
Rio Grande do Sul	3.981	-1.971	4.607	1.754	24.781	23.463	11.308	39.453
Rondonia	-7.389	-16.476	-5.326	-2.502	23.462	19.132	8.492	11.882
Roraima	2.778	-5.106	2.87	12.075	33.929	48.873	12.636	8.224
Santa Catarina	0.198	1.106	-3.373	-8.839	11.401	10.811	4.144	16.248
Sao Paulo	-4.199	-9.507	-6.461	12.753	-0.928	7.546	3.297	-31.564
Sergipe	-6.608	-7.755	-1.412	-23.135	0.518	-11.575	-9.352	46.438
Tocantins	-1.812	-3.893	-5.287	-9.701	8.131	1.156	-7.235	21.892
Paraguay	3.875	3.592	-0.603	8.689	1.071	-7.427	6.611	-2.005
North Africa and Middle East	2.629	11.885	-6.76	-24.703	-3.499	0.155	-11.493	14.035
North Africa and Middle East	2.629	11.885	-6.76	-24.703	-3.499	0.155	-11.493	14.035
Afghanistan	-16.109	-15.987	-17.034	-17.665	-26.905	-34.294	-13.267	-40.337
Algeria	14.316	24.635	-11.018	17.993	5.686	28.382	-5.819	-31.061
Bahrain	-19.532	-35.899	-21.409	31.355	-14.937	-2.552	-14.711	-49.43
Egypt	-15.212	-14.834	-7.324	-29.883	-28.118	-36.366	-16.828	-21.4
Iran	-3.354	13.447	-5.464	-44.226	-8.701	6.729	-18.061	-30.982
Iraq	2.677	6.545	-2.47	-21.009	15.952	5.602	-23.912	120.224
Jordan	6.013	5.614	5.262	-2.199	-13.46	5.644	-26.929	-29.155
Kuwait	-24.632	-4.069	-6.019	-70.214	9.427	51.465	-7.655	-15.6
Lebanon	-7.781	5.728	-10.448	-56.62	8.025	19.84	-8.597	11.301
Libya	3.851	13.875	-8.131	17.776	-20.943	-35.61	-27.588	39.379
Morocco	-3.268	-10.346	15.491	-19.811	-8.888	-14.472	-10.456	-22.204
Palestine	13.104	13.333	-23.216	57.348	-10.564	9.239	-16.605	-69.026
Oman	-20.199	-18.245	-36.118	-31.171	75.725	185.756	28.057	13.587
Qatar	4.408	14.964	-12.634	11.001	-13.549	-5.586	-17.302	-23.487
Saudi Arabia	15.563	38.954	-22.242	-11.988	0.022	16.457	-19.515	24.515

eTable 3a: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for <20 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Sudan	-4.347	-2.658	-13.606	-29.392	20.11	19.987	7.305	-25.651
Syria	-16.441	-28.81	-20.62	-17.494	169.332	38.614	-16.059	1069.364
Tunisia	-11.311	-7.128	-29.469	-21.428	1.999	23.291	-17.364	-25.961
Turkey	-3.854	0.383	-5.791	-13.721	-18.716	-23.55	-14.955	-0.603
United Arab Emirates	4.963	16.51	-13.639	11.268	12.395	37.252	3.207	1.816
Yemen	-1.416	-0.928	-4.726	-22.412	9.074	-0.778	-4.324	57.457
South Asia	2.082	4.38	-0.008	-3.329	5.588	18.042	4.473	-25.053
South Asia	2.082	4.38	-0.008	-3.329	5.588	18.042	4.473	-25.053
Bangladesh	-10.279	-11.441	-2.549	-10.383	-22.874	-23.939	-1.158	-48.755
Bhutan	4.092	-0.524	5.274	49.143	-19.128	-5.845	-24.444	-60.729
India	1.674	4.326	-2.706	-4.442	8.579	24.908	1.427	-23.361
Andhra Pradesh	2.857	4.519	-1.771	-7.251	4.312	16.25	-6.342	-29.875
Arunachal Pradesh	3.745	7.152	1.036	-13.219	-8.546	1.445	-5.235	-29.37
Assam	8.033	10.459	5.36	1.351	10.344	24.348	6.794	-29.584
Bihar	-26.24	-28.922	-10.489	-9.093	-6.309	-1.712	-4.028	-33.26
Chhattisgarh	7.489	9.981	2.76	-5.316	11.304	22.832	6.052	-6.463
Delhi	9.066	18.606	4.725	9.621	13.733	60.104	4.296	-4.807
Goa	22.688	33.953	15.834	12.951	16.428	61.334	1.188	3.713
Gujarat	4.831	9.097	-0.859	-8.837	8.657	31.395	-6.577	-25.701
Haryana	15.154	19.081	11.446	3.503	25.956	58.099	3.669	-9.858
Himachal Pradesh	24.331	32.462	13.823	-4.369	44.949	83.833	18.937	38.83
Jammu and Kashmir	5.309	1.227	3.263	46.349	26.541	56.909	14.772	-43.122
Jharkhand	-6.127	-7.62	2.496	1.979	1.099	6.083	5.553	-26.654
Karnataka	11.69	14.841	0.235	-0.919	21.69	37.552	0.918	-1.581
Kerala	8.936	10.637	-6.139	-2.396	33.445	81.893	-7.073	-19.009
Madhya Pradesh	-5.808	-4.799	-3.486	-11.775	-12.873	-7.652	-8.493	-30.148
Maharashtra	5.334	9.132	0.633	-0.766	11.519	39.325	-3.845	-23.953
Manipur	12.22	16.044	9.809	5.412	11.821	26.171	13.566	-6.38
Meghalaya	7.474	10.961	4.35	2.491	32.12	52.618	27.933	7.81
Mizoram	19.26	27.716	6.842	5.248	65.104	109.173	32.051	23.312
Nagaland	4.741	8.906	8.543	-7.237	59.95	117.484	21.328	24.493
Odisha	-0.092	-0.758	4.899	10.336	9.341	23.881	-5.31	-20.113
Punjab	2.385	8.425	-4.268	-18.745	25.323	52.407	13.022	-3.707
Rajasthan	-5.574	-3.242	-3.441	-21.379	11.682	22.378	14.296	-15.727
Sikkim	-0.874	-1.888	10.779	-7.915	57.619	102.952	22.916	6.936
Tamil Nadu	2.741	2.883	-3.705	-2.27	5.433	24.569	-16.417	-20.13
Telangana	15.466	18.134	7.931	4.275	12.467	33.176	-4.553	-23.238
Tripura	-8.608	-10.532	-2.333	10.793	40.983	65.384	23.346	-22.871
Uttar Pradesh	-7.088	-4.923	-12.995	-12.645	-0.989	7.508	6.107	-28.08
Uttarakhand	12.346	14.093	10.456	8.917	57.725	95.896	38.335	12.516
West Bengal	-7.974	-8.993	-1.848	-13.139	5.266	15.247	-1.963	-29.022
Union Territories other than Delhi	13.285	17.947	6.423	8.084	78.598	141.631	39.804	29.511
Nepal	-26.291	-26.665	-10.295	-29.802	-18.016	-24.521	15.65	-8.324
Pakistan	3.851	3.939	15.778	12.768	5.274	9.802	18.845	-9.814
Southeast Asia, East Asia, and Oceania	7.255	11.313	4.412	-8.009	-2.846	13.948	-9.227	-23.836
East Asia	12.177	13.804	5.471	-2.769	-9.055	-0.811	-13.797	-24.74
China	9.533	6.468	5.883	-2.294	-6.488	5.508	-14.804	-26.19
North Korea	224.848	394.324	10.399	20.008	-70.941	-84.041	-4.979	-2.205
Taiwan	18.208	89.704	10.54	-18.341	3.948	38.027	5.691	-33.171
Oceania	6.071	5.619	7.29	-0.384	-1.83	-2.935	-3.544	-0.424
American Samoa	0.139	-1.07	5.228	-2.283	0.437	-5.104	6.928	3.424
Federated States of Micronesia	3.631	6.222	-3.321	1.427	-10.322	-20.054	0.713	-1.177
Fiji	29.451	31.66	20.338	47.304	8.078	15.176	4.232	-4.101
Guam	2.177	10.837	1.075	-5.014	34.201	55.639	24.217	30.497
Kiribati	-18.192	-23.019	-9.824	0.454	-12.972	-12.937	-17.665	-14.241
Marshall Islands	46.617	53.772	23.098	44.146	-0.36	-3.125	-2.395	-4.411
Northern Mariana Islands	0.062	11.584	-2.019	-16.537	-6.828	-36.717	11.953	29.238
Papua New Guinea	9.271	9.377	7.045	-3.141	6.138	6.184	-3.497	1.793
Samoa	-9.668	-11.096	-4.374	-18.857	4.604	11.43	-3.509	-7.436
Solomon Islands	11.257	7.408	7.592	25.982	-5.923	-7.109	-7.967	-16.516
Tonga	14.676	15.766	10.981	11.672	11.424	15.33	7.005	2.953
Vanuatu	11.303	6.657	11.569	29.194	16.663	18.02	7.912	5.983
Southeast Asia	2.363	7.338	3.75	-12.588	-11.629	-5.113	-8.971	-22.295
Cambodia	-9.096	-10.19	-1.81	-20.082	-9.375	-13.584	5.577	-35.244
Indonesia	4.822	13.756	4.867	-19.155	-16.828	-6.12	-14.443	-30.865

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Laos	-8.312	-8.836	-0.557	-11.231	-0.625	4.406	4.087	-28.956
Malaysia	-2.586	-6.039	-7.888	9.134	36.054	71.518	18.714	16.105
Maldives	-7.444	-8.091	-20.819	-29.736	-7.845	6.781	-22.671	-45.949
Mauritius	11.273	14.083	7.656	5.178	27.06	41.316	15.403	29.814
Myanmar	1.788	-0.809	8.807	-8.267	-6.887	-0.89	-24.333	-15.575
Philippines	-15.421	-19.061	2.326	-10.907	-1.021	0.991	4.218	-6.338
Sri Lanka	-5.501	-7.664	-5.824	-17.423	-0.006	14.174	-1.901	-45.575
Seychelles	17.874	8.112	19.423	48.875	26.751	49.396	12.335	6.735
Thailand	8.38	4.437	0.826	4.719	1.982	2.059	-3.068	-12.182
Timor-Leste	-22.888	-25.335	-9.016	-30.171	-4.697	-1.879	-11.786	-36.792
Vietnam	-13.729	-22.525	-8.798	-15.495	16.939	13.156	5.378	-4.329
Sub-Saharan Africa	1.785	4.394	-7.291	-5.724	-16.791	-13.649	-4.596	-32.436
Central Sub-Saharan Africa	2.609	3.967	-1.642	-2.773	-6.545	-0.793	-7.192	-29.381
Angola	-0.195	-0.096	2.765	-6.944	-20.069	-11.141	-25.931	-58.169
Central African Republic	21.838	27.37	-5.792	3.968	14.201	12.47	11.419	32.922
Congo	48.295	60.524	14.659	28.926	-10.595	6.914	-14.905	-46.291
Democratic Republic of the Congo	-15.292	-16.458	-9.166	-11.615	-15.924	-17.259	-5.985	-20.984
Equatorial Guinea	41.77	56.67	2.252	-22.705	23.143	76.654	-11.756	-35.28
Gabon	19.577	39.538	-8.943	-22.138	25.097	54.832	15.253	15.592
Eastern Sub-Saharan Africa	-6.615	-5.177	-14.716	-10.955	-18.905	-18.472	-4.752	-44.182
Burundi	12.824	3.491	-11.088	283.806	-49.104	-47.039	-22.666	-83.509
Comoros	5.329	10.84	-12.621	-23.792	-29.428	-33.678	-16.232	-18.225
Djibouti	13.776	15.914	9.627	-4.486	-17.432	-12.104	-27.898	-34.886
Eritrea	-23.252	8.112	23.838	-85.531	-24.947	-24.428	-4.089	-58.44
Ethiopia	-10.678	-11.948	-17.825	13.225	-19.62	-17.339	1.077	-68.326
Kenya	23.694	33.428	-7.533	4.756	-14.145	-12.828	2.496	-6.226
Baringo	9.606	15.534	-14.143	-4.043	-38.685	-41.008	-27.236	-27.396
Bomet	31.266	41.598	-4.344	-1.19	9.388	11.961	26.064	49.502
Bungoma	-15.607	-12.177	-25.353	-25.987	15.659	20.599	15.302	5.899
Busia	23.348	31.44	-9.465	-2.547	-33.821	-34.926	-11.258	-11.957
Elgeyo-Marakwet	-9.155	-7.68	-18.122	2.897	47.862	65.783	18.817	5.003
Embu	14.583	21.937	-2.602	-0.967	34.96	43.877	32.962	44.321
Garissa	1.514	5.853	-22.601	-19.887	-33.059	-38.917	-12.877	-19.306
HomaBay	37.456	49.805	-17.48	5.043	-18.807	-15.249	-18.459	-24.969
Isiolo	-22.369	-21.846	-36.096	18.31	-40.086	-41.055	-35.067	-45.352
Kajiado	47.522	60.281	10.782	38.845	-18.662	-20.689	2.795	-1.656
Kakamega	57.931	73.866	0.771	5.426	-40.015	-41.152	-19.495	-26.41
Kericho	73.205	88.226	19.745	45.929	123.528	159.561	61.471	59.101
Kiambu	49.315	68.427	5.77	17.856	38.563	50.122	50.39	32.859
Kilifi	7.343	13.867	-15.804	-19.238	-29.872	-30.028	-12.442	-15.881
Kirinyaga	33.405	42.323	8.318	21.594	43.766	56.64	34.938	30.368
Kisii	24.551	35.306	-1.109	-16.486	-14.93	-11.362	-4.509	-20.681
Kisumu	26.592	38.685	-16.115	-7.621	-27.295	-26.638	-3.405	-0.509
Kitui	18.643	26.272	-9.373	-5.658	-10.648	-11.188	2.792	3.836
Kwale	1.293	6.926	-20.006	-22.48	-35.101	-38.016	-6.77	-7.731
Laikipia	67.218	80.746	23.476	66.164	8.498	22.29	-2.557	-3.12
Lamu	11.875	18.724	-11.614	-12.381	-0.22	-7.197	-2.797	195.278
Machakos	24.642	34.926	-0.321	1.104	72.693	92.848	46.736	39.561
Makueni	18.84	28.454	-15.962	-20.058	-47.382	-51.409	-21.003	-18.916
Mandera	-3.783	-3.511	-20.283	-0.872	-20.871	-25.284	-7.765	-35.222
Marsabit	-16.446	-15.087	-30.971	7.346	-7.194	-5.36	-7.761	-33.368
Meru	45.152	58.094	8.076	13.386	77.087	91.114	64.706	84.417
Migori	4.63	11.911	-29.677	-22.7	-28.618	-26.081	-21.544	-33.911
Mombasa	33.729	49.697	-2.631	-4.512	3.434	10.137	21.998	15.23
Murang'a	29.474	38.775	5.829	16.207	68.804	77.249	60.846	63.038
Nairobi	34.825	50.424	10.579	24.99	-19.309	-11.101	-0.563	13.778
Nakuru	80.073	102.963	15.362	29.388	27.05	32.199	48.663	46.392
Nandi	31.038	41.523	-0.735	11.392	-3.874	-4.511	15.185	14.503
Narok	11.849	17.284	-14.197	-5.283	-33.928	-42.737	-4.42	-7.552
Nyamira	47.062	60.988	8.946	3.97	-25.595	-26.567	-3.527	24.761
Nyandarua	54.518	68.431	17.474	30.967	103.444	132.274	62.611	60.335
Nyeri	55.252	70.525	13.828	63.594	59.284	73.872	55.972	20.582
Samburu	-4.033	-2.9	-30.941	100.675	-29.377	-29.06	-16.082	-58.806
Siaya	30.098	40.785	-12.896	-10.697	-3.829	0.467	3.567	-12.229
TaitaTaveta	46.511	58.831	13.372	26.147	-2.218	0.953	5.108	11.269

eTable 3a: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for <20 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
TanaRiver	58.881	66.164	21.354	37.687	10.996	10.783	21.23	26.366
TharakaNithi	48.04	59.68	13.505	11.174	-24.702	-18.574	-18.929	-18.583
TransNzoia	19.868	30.386	-15.498	-3.785	11.456	13.997	28.068	39.506
Turkana	-24.097	-24.426	-44.579	59.75	-44.222	-44.949	-14.983	-72.933
UasinGishu	32.457	45.021	1.167	5.076	13.904	21.097	17.767	19.175
Vihiga	74.585	92.516	16.956	3.191	-59.551	-65.705	-28.36	-4.879
Wajir	3.221	4.388	-19.942	27.466	-38.063	-41.67	-6.711	-55.756
WestPokot	-15.108	-12.719	-29.372	-14.468	-8.836	-8.265	7.584	-30.316
Madagascar	-19.421	-18.675	-20.836	-29.585	-15.071	-13.553	-18.42	-30.102
Malawi	-15.15	-12.832	-27.697	-27.956	-30.623	-32.045	-18.165	-31.609
Mozambique	-12.376	-10.983	-17.217	-34.695	-6.186	-4.587	-13.534	-25.754
Rwanda	14.376	14.686	9.41	18.852	-50.003	-51.793	-36.284	-66.635
Somalia	-11.75	-11.66	-5.944	-22.968	-34.353	-37.893	-25.219	-2.37
South Sudan	-12.62	-13.132	-11.674	-0.883	11.22	9.128	22.232	32.96
Tanzania	-4.565	-2.57	-12.532	-13.332	-17.371	-23.456	4.099	4.873
Uganda	-1.443	0.237	-12.134	-9.032	-5.204	-3.226	-4.665	-20.103
Zambia	1.07	5.669	-16.413	-17.774	-19.16	-15.193	-15.089	-27.343
Southern Sub-Saharan Africa	28.659	41.629	9.351	16.809	-16.062	-2.564	-2.067	-41.054
Botswana	59.043	86.412	14.351	23.106	-15.447	-5.802	13.817	8.186
Lesotho	46.894	56.691	11.761	36.128	14.892	21.439	14.275	21.963
Namibia	13.004	19.519	4.253	17.032	12.887	35.885	15.421	-20.563
South Africa	22.066	35.97	5.637	12.797	-28.36	-15.161	-10.714	-54.109
Swaziland	66.002	89.05	15.258	25.831	-10.274	-3.747	7.837	-4.798
Zimbabwe	48.156	57.989	20.668	37.027	-20.935	-25.35	6.098	-5.103
Western Sub-Saharan Africa	2.414	5.241	-6.83	-10.184	-12.538	-8.628	-3.367	-13.319
Benin	-6.372	-4.533	-11.996	-23.077	0.731	5.044	-9.443	-21.106
Burkina Faso	3.315	4.711	-4.378	-12.4	-6.527	-9.901	10.668	-3.337
Cameroon	0.655	3.228	-6.652	-9.479	-12.45	-7.234	-7.188	-15.234
Cape Verde	13.389	13.143	-1.812	27.123	12.978	19.791	-2.791	-10.663
Chad	2.955	3.073	1.309	6.198	-8.635	-8.814	3.426	-18.936
Cote d'Ivoire	18.551	22.877	3.471	-0.445	-13.209	-13.538	-1.723	-3.665
The Gambia	2.851	7.225	-14.848	-17.247	-11.465	-14.135	-3.742	-8.516
Ghana	-1.204	1.497	-1.774	-10.698	-3.2	4.659	-0.427	8.123
Guinea	-14.789	-13.896	-21.668	-19.219	-12.936	-11.075	-14.004	-35.914
Guinea-Bissau	-6.302	-6.407	-9.305	-9.825	-15.544	-13.968	-22.785	-32.379
Liberia	-35.729	-30.944	-34.429	-77.829	-30.064	-29.964	-28.205	-40.446
Mali	-10.202	-10.165	-9.909	-12.704	-11.874	-14.061	8.66	-22.47
Mauritania	4.575	5.015	14.823	8.321	-19.468	-20.13	0.513	-23.569
Niger	-14.663	-13.265	-22.371	-31.494	-43.335	-45.722	-14.771	-42.282
Nigeria	6.007	9.341	-5.373	-4.197	-13.698	-5.698	-5.131	-10.099
Sao Tome and Principe	-1.07	-3.209	-1.16	-4.246	-9.495	-10.858	-19.011	-25.726
Senegal	-0.192	1.267	-2.45	-15.186	-35.696	-39.615	-17.698	-29.492
Sierra Leone	-13.302	-11.738	-27.357	-7.266	-10.018	-7.149	-8.834	-37.779
Togo	9.122	13.724	-9.179	-9.411	-16.964	-14.448	-15.294	-27.061

eTable 3b: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for <1 year, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Global	5.979	9.98	-3.717	-11.061	-12.204	-7.024	-14.526	-18.375
Low SDI	-9.3	-8.767	-11.647	-13.682	-6.616	-7.258	10.967	-18.863
Low-middle SDI	5.538	7.299	-0.685	-9.147	-2.596	2.047	-12.386	-20.349
Middle SDI	0.405	1.768	0.244	-16.226	-22.319	-16.541	-33.738	-31.861
High-middle SDI	-1.046	-1.704	7.262	0.84	-49.512	-49.789	-47.518	-37.387
High SDI	-1.902	8.712	-22.59	-11.554	34.072	54.866	-1.217	47.46
Central Europe, Eastern Europe, and Central Asia	18.272	24.142	6.414	25.167	-26.275	-21.164	-31.667	-33.913
Central Asia	0.329	0.835	7.419	-4.28	-11.821	-6.246	-8.634	-25.544
Armenia	-23.072	-26.377	-4.174	-42.983	-37.608	-34.06	-43.561	-59.178
Azerbaijan	-15.2	-15.682	-13.742	-32.277	-2.667	-0.196	33.483	13.307
Georgia	-24.87	-27.144	-21.726	-49.418	-55.435	-56.897	-15.921	-16.995
Kazakhstan	11.417	5.696	43.221	23.13	-28.19	-25.68	-32.416	-11.596
Kyrgyzstan	-19.505	-22.157	-0.771	-8.866	-44.125	-41.496	-46.254	-67.367
Mongolia	10.824	11.397	31.142	20.974	-38.653	-36.9	-40.633	24.455
Tajikistan	-17.087	-18.925	-1.746	-8.956	-8.43	-9.35	21.853	-23.057
Turkmenistan	28.229	31.053	24.245	9.524	-36.915	-38.684	1.983	-46.208
Uzbekistan	8.778	11.275	8.417	-2.936	-6.594	2.627	-18.205	-46.317
Central Europe	-6.435	0.849	-18.244	-19.422	-28.888	-25.482	-31.739	-31.124
Albania	1.724	-4.425	38.894	-12.731	-24.617	-27.442	-17.624	-35.672
Bosnia and Herzegovina	11.529	9.43	14.251	1.78	19.474	21.725	10.826	-0.18
Bulgaria	33.869	39.694	23.286	20.738	-25.827	-16.089	-38.635	-39.777
Croatia	-18.712	-17.948	-18.877	-35.476	-18.043	-14.568	-22.911	-20.406
Czech Republic	-28.265	-15.607	-44.985	-33.362	-28.44	-28.336	-26.056	-31.301
Hungary	-12.254	-8.833	-18.396	-5.599	-31.336	-30.228	-32.167	-28.454
Macedonia	-44.916	-43.806	-45.206	-54.332	-1.758	10.338	-23.762	29.873
Montenegro	-16.491	-17.653	-12.471	-11.996	-52.619	-46.947	-59.154	-63.136
Poland	-13.021	-8.346	-22.483	-20.398	-14.76	-7.127	-24.406	-22.191
Romania	5.409	16.017	-10.595	-26.429	-32.966	-29.477	-34.517	-33.827
Serbia	-39.501	-32.572	-52.205	-44.55	-40.061	-29.997	-56.82	-45.445
Slovakia	7.709	13.203	-1.671	17.458	-4.697	-0.989	-9.75	12.885
Slovenia	-15.31	-9.187	-24.055	-22.013	-42.294	-36.673	-49.118	-42.248
Eastern Europe	16.456	14.848	14.617	53.096	-37.027	-30.464	-46.373	-40.742
Belarus	14.379	8.973	12.988	44.955	-31.185	-16.025	-51.784	-32.581
Estonia	3.703	5.696	-6.187	29.115	-54.523	-48.782	-56.623	-69.217
Latvia	18.362	18.319	11.467	46.578	-40.218	-28.753	-52.252	-54.056
Lithuania	-1.549	-4.62	-8.9	54.671	-17.499	-6.353	-28.898	-28.219
Moldova	-3.056	-11.27	20.044	-3.766	-9.306	1.591	-30.091	-38.627
Russian Federation	30.478	29.03	29.09	77.358	-45.56	-40.43	-52.79	-48.276
Ukraine	-20.631	-24.014	-19.404	8.878	-8.867	1.344	-24.491	-18.277
High-income	-13.088	-6.548	-21.116	-19.289	-3.182	4.117	-13.129	5.201
Australasia	-18.665	-3.085	-34.974	-6.285	-11.908	-2.312	-23.725	-4.156
Australia	-14.874	0.625	-31.175	-4.138	-10.705	-0.29	-22.779	-9.395
New Zealand	-22.508	-2.981	-42.812	-3.135	-20.308	-14.812	-30.617	7.156
High-income Asia Pacific	-6.686	-0.041	-12.192	-20.017	-22.301	-17.503	-27.506	-23.109
Brunei	27.154	39.862	10.451	22.199	48.332	62.532	27.127	93.584
Japan	-14.926	-17.807	-13.821	-17.265	-28.079	-23.734	-32.112	-29.349
Aichi	-19.187	-20.485	-18.699	-27.898	-19.858	-13.71	-25.381	-18.442
Akita	-28.948	-29.718	-30.092	-26.848	-19.859	-23.937	-21.368	0.716
Aomori	-19.614	-17.811	-22.667	-21.888	-28.949	-28.173	-31.911	-22.368
Chiba	-10.287	-10.812	-11.707	-11.637	-16.027	-10.896	-20.571	-17.168
Ehime	-22.588	-29.237	-20.629	-12.601	-32.086	-25.459	-37.049	-37.438
Fukui	-8.99	-11.706	-9.823	-0.723	-35.251	-32.911	-38.043	-35.46
Fukuoka	-14.369	-15.066	-14.429	-21.994	-30.849	-27.36	-34.123	-32.646
Fukushima	-28.014	-29.529	-29.433	-22.815	-16.541	-9.842	-22.569	-20.544
Gifu	-13.754	-14.904	-15.642	-9.613	-12.501	-9.498	-16.172	-12.791
Gunma	-12.319	-9.549	-17.094	-9.539	-24.862	-21.528	-27.849	-30.44
Hiroshima	-23.968	-23.799	-26.106	-22.209	-21.421	-14.92	-25.46	-31.062
Hokkaido	-24.065	-28.558	-21.305	-28.215	-20.993	-12.432	-27.22	-29.31
Hyogo	-21.456	-22.369	-22.251	-20.238	-31.946	-28.423	-35.905	-29.971
Ibaraki	-20.465	-25.838	-17.164	-25.163	-3.71	8.799	-12.404	-12.688
Ishikawa	-9.604	-14.091	-7.456	-10.742	-34.47	-29.415	-38.514	-38.595
Iwate	-18.309	-21.766	-18.923	-11.495	-1.896	9.415	-10.214	-13.446
Kagawa	-29.142	-30.983	-30.629	-20.831	-16.028	-14.358	-19.166	-12.896
Kagoshima	-15.007	-22.294	-12.024	-6.854	-21.511	-12.861	-27.61	-30.522
Kanagawa	-13.021	-17.93	-9.61	-18.565	-28.854	-25.173	-31.831	-32.158

eTable 3b: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for <1 year, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Kochi	-23.026	-21.536	-26.713	-21.335	-26.896	-21.931	-31.589	-30.033
Kumamoto	-19.312	-20.32	-19.7	-25.54	-37.569	-34.61	-41.61	-33.251
Kyoto	-20.91	-23.532	-20.763	-15.908	-21.614	-18.945	-24.653	-22.135
Mie	-16.845	-22.033	-15.404	-4.896	-16.31	-11.776	-22.523	-8.54
Miyagi	-20.252	-24.876	-18.428	-20.098	-12.124	-4.86	-18.585	-12.804
Miyazaki	-26.48	-30.644	-25.215	-20.26	-22.127	-20.687	-26.467	-13.622
Nagano	-36.255	-40.052	-35.012	-31.612	-15.391	-6.707	-22.639	-18.43
Nagasaki	-9.596	-9.336	-11.247	-14.795	-27.032	-23.909	-30.152	-32.793
Nara	-25.011	-30.222	-23.201	-18.805	-18.305	-14.313	-22.403	-19.48
Niigata	-3.995	-11.397	-0.702	-6.752	-23.665	-12.84	-32.18	-24.401
Oita	-21.241	-20.926	-23.463	-18.977	-13.402	-9.082	-18.034	-14.75
Okayama	-16.559	-19.293	-17.865	-9.823	-29.982	-22.922	-34.729	-36.695
Okinawa	-18.839	-24.253	-14.115	-24.715	-25.915	-20.291	-32.459	-25.501
Osaka	-24.875	-25.922	-24.866	-26.468	-29.885	-25.093	-33.104	-36.442
Saga	-25.282	-28.444	-24.191	-19.968	-33.378	-31.772	-36.27	-31.524
Saitama	-16.893	-23.89	-12.686	-20.322	-27.958	-23.846	-31.588	-30.411
Shiga	-7.759	-10.813	-7.464	-3.152	-26.904	-22.988	-30.804	-27.103
Shimane	-17.38	-19.612	-18.68	-15.869	-28.819	-22.389	-34.555	-31.826
Shizuoka	-24.605	-25.224	-25.46	-25.237	-14.64	-6.431	-21.858	-14.706
Tochigi	-12.281	-15.523	-10.85	-21.86	-25.634	-18.7	-32.171	-22.975
Tokushima	-8.218	-10.501	-9.741	-0.08	-1.556	5.629	-8.357	-5.308
Tokyo	44.661	43.572	45.518	28.13	-65.285	-64.703	-66.158	-63.263
Tottori	-26.126	-21.811	-29.728	-35.405	-0.339	4.033	-5.776	-1.44
Toyama	-22.866	-24.806	-23.405	-19.109	-28.5	-28.622	-30.661	-21.964
Wakayama	-21.81	-24.444	-23.016	-12.435	-20.977	-16.535	-25.092	-25.137
Yamagata	-10.954	-14.015	-10.886	-7.747	3.172	9.298	-4.178	5.158
Yamaguchi	-26.569	-31.041	-25.441	-17.314	-23.387	-17.321	-28.356	-28.367
Yamanashi	-10.482	-11.821	-13.396	2.431	-31.086	-28.592	-32.956	-37.587
South Korea	35.179	65.081	5.858	-2.678	-9.845	-0.199	-21.016	-10.604
Singapore	-38.472	-30.255	-48.556	-34.303	-21.124	-14.541	-29.074	-23.715
High-income North America	-7.011	0.498	-18.869	12.648	12.81	21.113	-1.154	46.169
Canada	-6.116	11.684	-23.758	-13.45	17.724	26.848	4.29	57.301
Greenland	-34.234	-33.975	-33.759	-38.066	0.009	10.623	-16.586	-5.159
United States	-6.849	0.097	-18.331	13.592	12.017	20.141	-2.079	46.129
Alabama	4.517	8.273	-7.42	48.128	25.158	31.588	13.149	48.356
Alaska	3.883	9.5	-10.612	37.544	16.621	33.934	-4.101	35.439
Arizona	-9.772	3.188	-25.047	-1.456	14.376	26.573	-4.166	41.281
Arkansas	0.262	5.606	-10.276	15.279	32.483	38.804	21.909	37.234
California	-7.687	2.943	-21.439	5.936	5.951	20.191	-10.458	8.941
Colorado	-11.403	6.302	-29.13	-9.744	11.416	25.874	-9.365	47.221
Connecticut	-6.513	0.331	-17.275	2.601	-3.67	0.448	-12.513	35.543
Delaware	-1.704	5.573	-14.766	19.577	9.759	19.539	-3.845	16.444
District of Columbia	-18.976	-15.322	-27.652	9.681	-23.007	-19.514	-27.26	-20.238
Florida	-7.391	0.672	-21.623	21.63	9.422	19.411	-8.629	46.387
Georgia	-11.408	-8.573	-18.681	11.803	15.695	22.887	3.055	43.633
Hawaii	31.375	46.381	10.163	50.972	-2.014	11.034	-19.289	4.966
Idaho	-5.914	7.081	-18.98	-11.613	-1.661	9.026	-15.209	7.641
Illinois	2.937	13.734	-14.69	34.314	4.83	14.601	-12.538	42.448
Indiana	-4.237	-0.261	-14.19	32.39	17.941	26.297	2.494	52.521
Iowa	-9.075	-1.995	-18.281	2.249	-4.199	-3.951	-8.364	29.135
Kansas	4.542	12.76	-4.99	0.596	12.278	24.666	-4.652	37.963
Kentucky	-4.149	5.697	-18.232	14.827	25.841	32.489	14.113	43.003
Louisiana	11.895	15.478	1.975	39.487	32.844	36.783	13.106	123.102
Maine	7.729	19.954	-7.87	14.24	48.451	50.002	38.937	138.555
Maryland	2.981	11.517	-10.081	8.008	15.608	20.775	9.329	32.328
Massachusetts	-13.668	-2.042	-30.136	-9.307	16.186	20.367	10.058	46.553
Michigan	0.938	8.21	-12.903	37.415	8.648	10.581	-2.162	79.194
Minnesota	-1.182	3.886	-9.27	22.915	16.72	33.769	-3.255	39.948
Mississippi	9.577	13.752	-0.756	29.476	28.493	36.569	4.523	104.208
Missouri	-1.103	10.116	-17.411	21.929	13.326	20.132	-5.322	85.445
Montana	9.287	23.173	-5.471	14.163	13.683	24.084	1.598	18.769
Nebraska	8.421	23.753	-6.609	-0.705	-0.009	7.587	-9.697	9.594
Nevada	-5.406	10.524	-22.989	7.419	1.444	18.974	-19.374	9.714
New Hampshire	-2.585	13.98	-20.83	-6.835	12.764	19.63	1.302	56.279
New Jersey	-19.73	-15.129	-26.893	-12.662	-6.458	-2.247	-12.934	15.189

eTable 3b: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for <1 year, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
New Mexico	-5.081	3.495	-17.793	12.898	24.927	46.443	-0.662	34.032
New York	-18.217	-13.265	-26.547	-3.71	-5.467	-0.728	-14.618	33.948
North Carolina	-4.795	0.462	-14.488	10.481	3.855	11.367	-11.372	51.169
North Dakota	24.025	28.112	16.385	40.589	7.251	16.612	-5.515	33.167
Ohio	0.838	9.266	-13.054	25.026	20.658	25.857	9.118	65.326
Oklahoma	3.86	10.901	-6.554	16.283	43.864	60.76	21.201	61.252
Oregon	-7.119	9.984	-23.236	-6.311	19.809	38.097	-2.656	49.035
Pennsylvania	-1.994	7.176	-16.299	17.105	8.28	15.289	-5.22	51.404
Rhode Island	-2.634	8.598	-19.2	2.287	8.299	16.349	-4.145	26.561
South Carolina	-4.234	4.25	-19.746	17.52	9.488	13.431	-2.988	62.931
South Dakota	8.738	15.529	-2.322	29.352	12.076	28.512	-4.911	17.33
Tennessee	1.919	7.11	-9.609	33.647	-2.438	-1.728	-14.434	66.508
Texas	-14.165	-11.415	-21.224	8.166	42.333	61.323	17.401	61.35
Utah	-1.308	19.491	-19.475	-2.633	31.519	50.433	10.075	44.216
Vermont	17.063	28.379	1.983	30.747	-0.004	6.719	-8.926	11.863
Virginia	-12.572	-8.748	-20.041	7.628	13.896	16.446	7.615	54.837
Washington	-3.493	12.879	-20.257	12.864	13.538	26.917	-2.382	32.213
West Virginia	-3.18	1.969	-11.491	5.674	4.723	11.787	-7.601	30.461
Wisconsin	7.145	25.419	-13.374	18.506	8.341	19.5	-7.188	29.541
Wyoming	3.35	26.518	-19.417	3.087	19.926	41.456	-3.303	13.179
Southern Latin America	-6.948	-5.645	-4.096	-37.712	-10.325	-3.85	-19.733	-32.211
Argentina	-8.456	-7.432	-9.417	-24.169	-15.509	-10.011	-23.173	-35.056
Chile	-7.465	-7.704	11.979	-70.898	8.856	20.732	-8.85	-25.027
Uruguay	-8.662	-10.248	-5.611	-24.5	-14.282	-10.445	-20.676	-34.838
Western Europe	-17.622	-5.864	-29.816	-37.395	-11.589	-3.316	-21.371	-17.799
Andorra	-37.606	-33.129	-43.671	-32.939	-19.711	-17.583	-22.417	-10.393
Austria	-23.809	-12.102	-35.763	-38.444	-16.786	-10.38	-25.193	-2.257
Belgium	-25.821	-17.755	-33.64	-33.815	-18.691	-7.374	-31.455	-8.656
Cyprus	-23.515	-9.366	-41.602	-35.821	-33.107	-24.619	-44.433	-30.354
Denmark	-25.737	-12.303	-38.055	-33.324	-8.068	5.018	-22.945	1.141
Finland	-25.921	-22.606	-29.496	-32.199	-25.68	-21.262	-30.649	-25.977
France	-16.595	9.8	-36.173	-43.188	-5.333	7.533	-18.977	-17.923
Germany	-21.393	-9.196	-30.222	-55.821	4.199	20.971	-13.924	3.835
Greece	-12.479	-1.429	-25.981	-31.015	-18.668	-21.209	-14.477	-25.439
Iceland	-29.146	-26.585	-32.995	-19.289	-24.175	-23.54	-25.648	-9.983
Ireland	12.915	29.176	-4.134	3.185	-20.979	-12.89	-30.107	-12.949
Israel	-29.582	-21.462	-36.697	-55.348	-30.349	-33.225	-25.75	-37.557
Italy	-26.533	-27.76	-22.637	-26.069	-27.199	-23.478	-31.667	-35.565
Luxembourg	-35.756	-25.066	-46.362	-47.786	-40.709	-38.511	-43.079	-38.682
Malta	-13.326	-7.132	-22.517	-21.631	19.284	16.701	22.184	39.004
Netherlands	-6.621	8.179	-21.065	-22.265	-14.888	-2.933	-28.908	-2.844
Norway	-27.087	-19.633	-32.914	-38.077	-20.355	-16.981	-32.175	35.068
Portugal	-21.422	-20.289	-25.991	-28.017	-24.108	-12.419	-39.162	-35.429
Spain	-9.531	-1.205	-19.819	-32.39	-19.554	-7.337	-33.483	-32.551
Sweden	-20.912	-6.314	-34.718	-16.802	-6.132	8.875	-21.12	0.353
Stockholm	-30.29	-20.754	-38.972	-25.874	-14.815	-2.085	-26.344	-8.775
Sweden except Stockholm	-19.344	-3.537	-34.405	-15.443	-3.462	12.139	-19.548	2.925
Switzerland	-24.317	-10.141	-35.764	-45.83	-15.324	-4.197	-27.053	-30.825
United Kingdom	-3.705	18.402	-30.195	0.581	8.11	14.864	0.118	-1.222
England	-1.37	22.189	-29.409	5.952	4.79	10.85	-1.975	-6.534
East Midlands	-2.441	19.979	-31.058	8.881	9.532	16.305	2.196	-12.973
Derby	3.167	29.473	-28.892	6.157	23.492	31.341	15.393	-0.657
Derbyshire	-8.752	12.22	-35.792	-1.96	4.568	7.049	2.196	-0.051
Leicester	8.132	36.442	-26.835	31.67	20.387	28.168	12.332	-5.957
Leicestershire	-10.915	9.364	-37.129	-0.186	25.668	32.331	18.888	7.464
Lincolnshire	-5.678	16.672	-32.682	-4.648	-13.299	-8.178	-19.698	-27.716
Northamptonshire	-18.077	2.117	-42.928	-9.104	11.652	20.36	2.144	-19.749
Nottingham	34.68	60.16	0.382	45.953	-1.325	7.735	-10.328	-28.16
Nottinghamshire	1.368	20.758	-25.803	24.318	14.051	21.579	5.373	-11.738
Rutland	-22.704	-11.269	-37.377	-4.519	-20.197	-19.592	-22.307	-14.62
East of England	-1.851	21.278	-29.161	2.057	11.126	18.287	2.43	0.749
Bedford	-7.592	16.175	-33.251	-10.377	15.55	27.512	1.257	-5.528
Cambridgeshire	18.419	45.782	-13.608	32.856	6.764	15.167	-2.345	-10.63
Central Bedfordshire	-17.35	0.594	-38.596	-11.505	4.77	11.551	-3.794	-2.355
Essex	-3.855	19.388	-32.178	-1.634	17.813	23.264	11.22	13.949

eTable 3b: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for <1 year, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Hertfordshire	0.214	23.779	-27.575	9.069	4.811	11.62	-2.68	-4.704
Luton	21.577	41.893	-5.907	38.148	23.347	37.653	5.931	-2.465
Norfolk	-0.944	24.895	-29.771	-4.393	16.849	23.897	7.571	8.19
Peterborough	-1.212	19.513	-25.432	2.914	-15.106	-3.548	-28.78	-41.17
Southend-on-Sea	-19.38	-2.951	-39.967	-15.553	16.695	26.55	3.494	-0.42
Suffolk	-11.188	13.674	-38.359	-17.522	9.642	12.292	5.84	17.945
Thurrock	-7.544	9.167	-30.572	-10.396	-7.641	-7.794	-6.613	-2.525
Greater London	-1.186	19.936	-26.375	-1.064	-16.57	-12.137	-20.662	-20.075
Barking and Dagenham	-19.155	-3.721	-39.531	-20.386	-11.375	-8.439	-15.264	-16.053
Barnet	1.335	25.065	-26.64	-6.226	-24.458	-26.622	-20.248	-3.619
Bexley	-1.159	17.185	-24.902	-3.844	1.019	1.877	-0.22	15.622
Brent	6.722	24.639	-16.943	15.346	-46.921	-45.513	-48.01	-50.075
Bromley	-15.968	-1.924	-34.45	-15.917	-15.373	-13.775	-16.587	-13.719
Camden	-24.934	-9.292	-43.394	-30.209	-19.236	-16.44	-21.182	-15.679
Croydon	4.466	27.827	-24.551	-4.275	-35.319	-35.191	-34.465	-32.008
Ealing	-2.854	18.522	-28.167	-2.98	-36.874	-34.259	-39.458	-41.865
Enfield	10.751	29.013	-13.894	17.571	-21.365	-16.725	-26.959	-28.783
Greenwich	-0.77	34.639	-35.462	-21.079	-8.772	-0.819	-18.652	-30.385
Hackney	-0.767	21.577	-27.073	-2.707	6.169	15.212	-3.96	2.668
Hammersmith and Fulham	-17.905	4.475	-41.528	-22.309	-31.255	-28.293	-33.439	-36.806
Haringey	4.324	26.534	-22.563	6.541	-33.394	-28.96	-38.27	-43.18
Harrow	22.194	48.931	-10.282	15.059	-13.153	-7.61	-19.787	-24.308
Havering	-12.475	-1.579	-28.782	2.044	-10.4	-5.571	-16.822	-12.524
Hillingdon	-11.107	2.991	-28.853	-3.523	-16.381	-13.146	-19.613	-18.586
Hounslow	-2.996	19.003	-28.432	-5.423	-15.7	-10.312	-21.578	-22.912
Islington	9.324	39.423	-22.792	2.3	-26.049	-24.02	-26.849	-21.247
Kensington and Chelsea	-32.475	-17.241	-50.823	-30.461	-31.021	-32.994	-25.681	-17.269
Kingston upon Thames	-15.504	1.775	-34.525	-5.381	38.446	50.273	24.975	24.696
Lambeth	14.054	44.283	-19.892	18.997	-7.073	-0.516	-13.637	-11.773
Lewisham	2.71	24.053	-25.199	-6.715	-23.782	-18.581	-29.931	-29.926
Merton	-15.029	1.521	-35.574	-9.548	-4.727	-1.716	-7.526	-0.8
Newham	10.626	29.408	-14.678	4.428	-26.575	-21.682	-32.458	-29.466
Redbridge	-7.289	9.339	-28.629	-7.419	-31.07	-28.861	-33.7	-32.156
Richmond upon Thames	-26.476	-13.462	-42.139	-23.11	-3.983	0.037	-7.714	-6.382
Southwark	11.163	39.067	-20.606	7.325	-24.664	-17.553	-32.484	-36.734
Sutton	-4.405	14.213	-27.446	2.127	-4.661	-5.629	-3.407	9.827
Tower Hamlets	19.338	48.237	-13.158	16.45	39.368	54.714	22.704	24.73
Waltham Forest	-0.73	14.45	-23.144	9.495	-38.46	-36.57	-40.673	-37.493
Wandsworth	-13.174	7.1	-36.65	-18.333	-18.253	-13.601	-22.373	-26.581
Westminster	-16.014	5.425	-39.728	-22.538	-33.903	-30.415	-36.556	-42.507
North East England	-1.295	20.407	-28.141	1.387	-4.778	2.118	-14.429	-5.897
County Durham	15.285	40.119	-15.17	22.406	-7.099	2.008	-19.363	-16.858
Darlington	-11.794	9.162	-36.577	-7.492	-1.074	8.38	-13.603	-12.883
Gateshead	-17.957	1.205	-41.368	-13.755	8.302	15.497	-1.808	12.602
Hartlepool	-15.256	8.736	-42.809	-23.366	4.356	14.248	-9.852	-4.714
Middlesbrough	-3.202	18.512	-29.893	-10.217	-8.093	-3.248	-15.465	-3.959
Newcastle upon Tyne	1.618	25.914	-26.662	1.264	1.17	3.845	-2.297	26.654
North Tyneside	-10.4	2.696	-29.365	13.251	-11.553	-0.595	-25.164	-24.405
Northumberland	-10.685	8.55	-34.406	-15.036	-9.809	-7.081	-14.304	-4.741
Redcar and Cleveland	-12.22	13.365	-41.651	-25.493	-7.118	-2.929	-14.046	-0.606
South Tyneside	5.023	24.15	-21.255	15.125	-4.17	3.93	-16.259	-8.684
Stockton-on-Tees	0.629	25.259	-28.061	-2.26	-5.349	3.021	-16.625	-12.345
Sunderland	4.904	24.426	-21.838	14.344	-11.555	-6.422	-18.897	-11.114
North West England	2.689	25.948	-25.813	11.914	15.905	23.653	6.406	4.175
Blackburn with Darwen	-14.953	4.109	-37.508	-5.931	4.877	18.464	-12.221	-26.989
Blackpool	-0.458	26.367	-30.225	7.901	8.569	18.046	-4.154	-11.896
Bolton	-10.645	13.822	-38.138	-9.679	-3.66	0.498	-9.622	-7.245
Bury	-18.419	-2.572	-38.715	-7.437	22.593	33.635	9.289	-6.022
Cheshire East	-7.975	9.667	-31.679	-0.372	6.726	8.303	7.761	5.248
Cheshire West and Chester	5.773	27.083	-20.667	4.981	23.945	29.552	17.525	26.841
Cumbria	-18.294	-2.156	-38.61	-7.571	13.328	19.388	5.781	3.396
Halton	6.796	31.807	-24.06	13.6	1.716	10.849	-9.986	-12.415
Knowsley	7.283	29.341	-21.113	13.642	2.637	8.274	-5.728	3.913
Lancashire	3.337	30.294	-27.649	12.72	7.33	12.88	0.587	-1.447
Liverpool	43.546	79.267	0.287	52.929	34.676	43.943	24.576	12.376

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Manchester	40.884	75.822	1.252	67.859	11.528	26.923	-5.151	-17.811
Oldham	-9.259	10.846	-34.152	-13.7	24.034	34.002	10.043	1.752
Rochdale	-4.122	15.978	-30.758	8.23	-2.363	-0.318	-5.657	-2.221
Salford	15.852	44.864	-17.72	26.591	24.778	31.544	16.318	17.032
Sefton	8.715	35.046	-23.445	13.026	11.129	14.602	6.971	0.695
St Helens	11.027	30.982	-17.561	26.481	-8.039	-3.45	-14.384	-13.118
Stockport	1.405	21.336	-25.223	7.982	30.042	31.145	30.639	39.844
Tameside	-6.209	10.322	-29	8.856	-1.284	2.808	-7.49	-4.912
Trafford	-10.466	7.104	-33.919	-2.789	-0.103	4.164	-3.246	-3.214
Warrington	-9.575	11.329	-34.794	-6.332	22.511	31.563	12.311	6.471
Wigan	6.904	30.806	-23.713	11.719	0.789	3.908	-3.768	0.515
Wirral	-1.332	23.516	-30.826	2.452	20.195	22.841	16.338	17.726
South East England	-18.684	1.619	-41.148	-17.662	9.195	15.258	2.028	3.118
Bracknell Forest	-23.425	-8.586	-40.057	-18.883	2.073	8.938	-6.567	7.468
Brighton and Hove	0.306	25.149	-27.7	8.188	19.981	28.21	10.909	16.968
Buckinghamshire	-19.007	1.052	-41.072	-21.076	25.145	33.469	15.823	6.446
East Sussex	-15.723	3.375	-37.863	-17.627	5.438	9.375	-0.404	4.041
Hampshire	-20.053	0.088	-42.358	-12.28	10.084	19.032	-0.774	-5.855
Isle of Wight	-46.241	-33.804	-60.05	-48.603	-4.443	-2.96	-8.518	12.414
Kent	-28.173	-9.624	-48.726	-29.224	13.581	18.93	6.573	11.681
Medway	-19.241	-2.386	-39.589	-20.96	4.562	13.895	-7.915	-14.378
Milton Keynes	-10.445	12.778	-37.506	-23.573	-0.943	4.043	-6.086	-2.794
Oxfordshire	-8.031	13.388	-31.293	-2.403	11.979	22.003	0.573	-3.161
Portsmouth	-9.294	15.276	-35.215	-4.487	-23.027	-18.905	-28.228	-19.805
Reading	7.494	33.41	-21.287	-0.478	-15.718	-8.621	-23.422	-32.221
Slough	-16.165	3.22	-38.104	-23.946	2.468	8.365	-4.1	-8.03
Southampton	-3.636	32.881	-35.749	-10.054	7.683	14.878	-1.297	6.061
Surrey	-24.672	-6.086	-45.119	-20.467	12.402	18.019	6.576	10.184
West Berkshire	-16.166	-1.502	-34.243	-8.742	0.978	3.699	-1.555	-0.404
West Sussex	-23.287	-3.529	-45.555	-24.354	14.271	15.513	13.411	25.436
Windsor and Maidenhead	-13.872	0.903	-32.435	-2.462	31.501	37.349	25.742	33.405
Wokingham	-21.809	-4.736	-39.901	-29.678	43.954	53.343	33.037	42.204
South West England	-7.929	16.043	-34.088	-7.064	1.559	6.556	-4.838	-0.874
Bath and North East Somerset	-12.949	11.359	-36.87	-9.659	9.549	16.032	1.305	16.968
Bournemouth	12.697	34.947	-14.417	20.101	-9.721	-4.305	-15.889	-15.847
Bristol, City of	2.917	30.139	-25.319	14.145	-6.139	-0.093	-12.987	-8.998
Cornwall	-3.806	22.264	-34.083	-9.653	23.168	27.84	16.875	23.691
Devon	-15.231	9.381	-40.974	-13.982	16.828	26.89	3.965	2.166
Dorset	-7.337	15.192	-33.835	-8.492	8.927	14.418	1.807	4.236
Gloucestershire	-7.26	15.798	-33.406	-10.401	1.156	3.596	-1.801	13.097
North Somerset	-5.556	15.443	-28.099	13.448	7.55	16.263	-4.096	-0.115
Plymouth	6.512	38.702	-23.859	9.647	-14.752	-8.983	-22.313	-20.139
Poole	-4.942	16.01	-29.679	9.388	-15.084	-6.791	-25.097	-28.166
Somerset	-2.782	20.594	-29.259	-7.402	7.29	12.157	0.583	1.632
South Gloucestershire	-15.176	2.459	-35.637	-8.921	5.54	8.717	1.056	24.269
Swindon	-16.395	4.641	-40.282	-20.387	-22.368	-20.3	-24.509	-19.984
Torbay	-15.927	8.188	-41.512	-20.89	9.487	16.513	-0.626	-4.251
Wiltshire	-23.64	-1.544	-47.025	-30.98	1.116	3.91	-2.479	4.364
West Midlands	-4.703	18.965	-34.155	-1.256	39.166	45.704	32.331	20.887
Birmingham	5.846	34.215	-28.071	11.647	52.515	63.043	40.792	29.262
Coventry	1.196	26.67	-30.012	9.804	19.848	22.965	17.769	18.138
Dudley	-22.553	-4.326	-45.3	-24.817	31.503	35.795	26.208	10.529
Herefordshire, County of	-23.689	-4.768	-44.934	-20.933	67.101	77.603	52.94	56.939
Sandwell	-8.67	12.52	-36.441	-12.744	24.843	31.986	16.03	-3.063
Shropshire	-17.585	1.527	-41.097	-15.251	13.273	19.487	6.278	-10.159
Solihull	-16.74	1.849	-40.09	-3.717	40.181	45.858	35.915	12.829
Staffordshire	-6.13	17.979	-36.59	-4.354	41.485	44.974	39.962	27.414
Stoke-on-Trent	2.506	23.334	-25.769	12.552	21.636	27.533	14.092	1.932
Telford and Wrekin	-18.411	-0.098	-41.611	-5.326	19.642	23.655	15.984	-4.477
Walsall	-13.595	4.078	-37.867	-22.806	55.911	62.943	47.062	33.336
Warwickshire	-16.922	2.303	-41.2	-14.578	38.304	44.948	32.704	14.545
Wolverhampton	3.224	32.616	-31.341	-2.538	12.469	18.097	5.975	-7.284
Worcestershire	-7.541	15.825	-37.007	-3.536	35.173	35.485	37.427	40.789
Yorkshire and the Humber	6.518	30.388	-23.177	35.22	-8.005	-2.408	-14.204	-29.615
Barnsley	-10.136	4.136	-32.251	39.975	-17.278	-14.228	-21.507	-32.919

eTable 3b: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for <1 year, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Bradford	0.761	21.539	-24.377	31.379	-7.21	4.932	-21.159	-41.791
Calderdale	-7.501	14.892	-33.858	15.259	-18.042	-13.093	-23.97	-32.857
Doncaster	2.926	23.893	-24.463	15.525	5.49	12.185	-4.192	-14.405
East Riding of Yorkshire	-3.372	14.637	-26.445	15.728	-15.585	-14.346	-17.497	-16.835
Kingston upon Hull, City of	7.679	35.618	-25.99	19.269	-9.082	-3.502	-15.966	-23.448
Kirklees	7.502	31.053	-22.162	32.403	-9.133	-3.854	-15.172	-33.17
Leeds	19.446	51.259	-16.447	43.336	-5.602	1.094	-12.024	-29.277
North East Lincolnshire	5.379	28.215	-22.914	33.462	-4.911	0.068	-11.414	-20.382
North Lincolnshire	-7.879	4.794	-28.384	45.107	-10.296	-4.713	-16.354	-35.188
North Yorkshire	-16.82	2.318	-38.938	8.48	-0.289	5.597	-6.823	-23.662
Rotherham	-1.887	17.732	-29.05	5.995	-5.352	-2.398	-9.302	-13.562
Sheffield	13.916	38.115	-17.426	49.517	1.364	4.156	-0.185	-14.14
Wakefield	5.622	28.325	-25.738	33.703	-17.719	-14.734	-20.358	-36.726
York	9.357	41.254	-24.527	46.561	-5.585	-1.781	-8.188	-24.446
Northern Ireland	1.071	24.322	-25.289	-37.85	25.831	29.708	21.731	11.539
Scotland	1.616	27.477	-28.899	-0.717	6.706	12.268	-2.877	18.24
Wales	30.188	61.925	-12.862	34.391	14.783	22.687	2.245	21.329
Latin America and Caribbean	-14.621	-15.474	-9.365	-21.088	-17.32	-16.566	-18.828	-22.743
Andean Latin America	-22	-22.449	-2.28	-42.364	-28.772	-28.006	-23.122	-45.85
Bolivia	-9.377	-12.969	29.052	-21.388	-32.004	-31.281	-31.438	-46.652
Ecuador	4.503	5.028	7.371	-6.718	-19.32	-22.291	-4.98	-5.458
Peru	-32.096	-32.833	-17.073	-44.632	-33.854	-32.178	-27.214	-54.259
Caribbean	-5.346	-3.152	-7.679	-23.261	16.813	21.488	10.652	12.459
Antigua and Barbuda	52.899	62.296	33.914	15.912	6.966	7.101	12.317	40.552
The Bahamas	-24.426	-24.613	-18.254	-32.821	17.471	21.43	12.072	23.127
Barbados	-4.433	-1.56	-8.423	-17.837	40.025	44.259	36.491	51.038
Belize	15.498	24.992	-15.109	-27.339	20.443	28.412	-1.108	-11.701
Bermuda	-41.346	-39.107	-43.925	-59.083	29.422	38.756	15.4	35.433
Cuba	-28.271	-31.719	-20.661	-40.576	-2.001	8.476	-24.068	-7.014
Dominica	43.989	53.711	20.379	-6.962	229.801	254.148	172.41	281.943
Dominican Republic	-24.565	-22.849	-26.25	-54.157	23.004	34.824	-11.27	1.566
Grenada	55.459	72.415	11.015	-22.449	3.861	12.124	-15.58	-10.193
Guyana	-0.824	1.223	-1.392	-21.034	3.306	5.875	2.741	6.64
Haiti	-10.591	-11.327	-6.514	-19.623	-14.723	-17.172	-5.173	-25.122
Jamaica	7.972	22.017	-28.351	-48.716	58.429	67.461	50.134	59.81
Puerto Rico	-3.47	2.012	-10.715	-21.079	30.611	31.182	15.791	289.42
Saint Lucia	23.497	31.712	3.154	-20.299	31.186	42.556	5.484	14.336
Saint Vincent and the Grenadines	14.344	19.492	0.078	-29.06	16.712	22.418	0.535	12.15
Suriname	-7.576	-5.685	-7.716	-33.711	5.307	10.875	-6.25	-2.079
Trinidad and Tobago	50.01	54.576	41.391	36.627	-9.521	-8.439	-11.269	5.255
Virgin Islands, U.S.	-8.833	-4.228	-14.02	-23.564	21.825	28.769	10.984	63.71
Central Latin America	-11.797	-14.341	-1.765	-6.662	-14.105	-15.253	-10.624	-24.519
Colombia	-1.625	-3.529	6.45	-1.052	-3.014	-1.691	-1.242	-36.245
Costa Rica	-2.684	-1.151	-9.336	-37.889	9.194	13.851	-6.099	-7.018
El Salvador	-24.54	-27.217	-14.751	-44.844	-18.758	-18.432	-24.924	-49.592
Guatemala	6.946	11.223	-9.747	-29.471	-7.532	-12.472	36.943	-18.792
Honduras	-5.707	-8.706	2.019	25.984	-35.923	-36.018	-37.717	-47.692
Mexico	-15.74	-21.452	-0.093	13.093	-24.487	-28.813	-17.633	-25.674
Aguascalientes	-29.156	-33.208	-20.173	-10.761	-23.703	-29.13	-16.565	-12.391
Baja California	0.88	-7.667	12.021	66.937	-42.619	-47.065	-32.721	-44.543
Baja California Sur	-8.205	-14.957	10.089	29.394	-29.632	-31.891	-26.731	-27.558
Campeche	-10.204	-16.416	8.216	-3.681	-19.356	-17.527	-24.158	-37.071
Chiapas	-23.228	-30.18	10.715	14.492	-41.745	-45.682	-32.505	-48.401
Chihuahua	-10.456	-18.214	8.044	31.94	-3.532	-6.15	2.393	-14.655
Coahuila	-12.148	-17.072	-4.122	22.577	-10.784	-10.691	-14.224	-7.5
Colima	-11.974	-19.22	9.717	-5.96	-25.781	-25.953	-28.709	-28.602
Mexico City	7.73	8.801	3.023	36.99	-3.241	-9.697	11.61	1.42
Durango	-10.358	-17.293	7.637	9.484	-16.6	-15.032	-22.614	-30.254
Guanajuato	-19.414	-24.874	-0.464	25.538	-38.724	-44.348	-28.005	-32.716
Guerrero	-14.375	-20.065	-1.572	-11.789	-32.35	-37.339	-25.865	-45.352
Hidalgo	-11.427	-17.959	-1.521	49.268	-41.779	-46.624	-35.123	-43.45
Jalisco	-0.838	-9.072	14.987	31.332	-34.649	-36.783	-30.175	-50.453
Mexico	-24.567	-26.438	-13.422	-20.208	-32.213	-39.593	-15.742	2.724
Michoacan de Ocampo	-16.964	-25.55	0.518	21.114	-25.48	-32.774	-12.921	-36.819
Morelos	-19.013	-23.363	-7.408	-4.2	-38.521	-42.816	-31.702	-33.788

eTable 3b: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for <1 year, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Nayarit	-6.752	-12.9	7.638	-16.595	-37.321	-39.045	-37.012	-48.09
Nuevo Leon	-5.249	-14.769	6.984	94.613	-17.493	-21.984	-11.046	-18.301
Oaxaca	-24.053	-31.641	6.489	11.439	-13.991	-23.717	2.355	-15.728
Puebla	-22.73	-28.982	3.12	21.076	-12.839	-20.397	2.625	-20.45
Queretaro	-15.198	-19.092	-13.197	18.283	-21.636	-28.523	-11.235	-15.995
Quintana Roo	-5.36	-10.374	4.322	7.726	-39.226	-40.718	-35.403	-47.823
San Luis Potosi	-7.99	-17.556	11.902	39.178	-17.943	-26.002	-10.171	-23.181
Sinaloa	-10.048	-13.699	-2.972	-16.897	-15.551	-16.444	-19.527	-12.561
Sonora	8.648	-0.176	30.766	49.887	-27.858	-29.905	-23.682	-37.822
Tabasco	-14.011	-20.133	8.746	-3.806	-9.619	-10.856	-11.149	-10.185
Tamaulipas	-11.778	-13.853	-8.127	-10.945	-16.228	-18.702	-14.28	-9.78
Tlaxcala	-26.434	-31.379	-13.065	6.259	-22.068	-29.516	-4.278	-31.249
Veracruz de Ignacio de la Llave	-15.526	-22.817	5.5	10.71	-33.576	-33.198	-38.988	-42.813
Yucatan	-13.888	-19.075	-6.905	10.046	-19.742	-20.573	-21.832	-29.081
Zacatecas	-18.171	-25.474	3.004	3.733	-37.426	-40.337	-33.062	-47.159
Nicaragua	-30.127	-34.206	1.669	-40.216	-23.323	-24.882	-19.4	-50.526
Panama	9.694	13.37	4.994	-31.587	24.584	35.42	2.079	-2.132
Venezuela	-13.103	-8.333	-18.987	-44.632	7.447	10.33	6.055	4.45
Tropical Latin America	-15.887	-16.489	-15.18	-13.261	-24.342	-24.264	-27.888	-12.102
Brazil	-16.216	-16.987	-15.086	-12.8	-21.877	-21.196	-27.019	-9.809
Acre	-4.979	-5.523	-7.217	-20.833	-21.782	-19.194	-33.128	-40.416
Alagoas	-31.324	-33.392	-18.762	-30.393	-53.054	-54.795	-50.219	-51.133
Amapa	21.268	29.445	-4.68	-25.041	19.19	26.604	3.879	59.405
Amazonas	-1.314	-2.494	-1.645	15.843	-5.591	-0.65	-21.386	-12.941
Bahia	-15.263	-19.439	-2.839	-0.968	-32.122	-35.179	-33.124	-27.296
Ceara	-27.87	-28.432	-28.332	-40.806	-53.217	-55.15	-54.389	-48.325
Distrito Federal	-4.708	0.544	-15.156	-1.358	-3.051	2.741	-10.962	24.659
Espirito Santo	-14.017	-12.232	-22.927	-16.339	5.586	6.314	-2.994	34.257
Goias	-22.208	-21.582	-27.535	-29.672	28.34	33.636	10.314	22.958
Maranhao	-26.689	-29.676	-18.534	-25.358	-50.643	-52.973	-50.612	-55.418
Mato Grosso	-2.909	-3.908	-2.185	-3.77	-0.984	3.873	-14.14	-8.693
Mato Grosso do Sul	16.777	16.468	9.279	36.696	-11.207	-10.525	-19.885	2.217
Minas Gerais	4.948	2.863	6.115	60.625	-22.761	-21.63	-29.239	-11.582
Para	-16.296	-19.265	-3.436	-3.4	-32.175	-32.04	-35.545	-37.273
Paraiba	-33.398	-33.208	-36.694	-46.403	-45.958	-47.174	-49.425	-48.363
Parana	-9.571	-10.669	-15.032	14.75	4.197	3.594	-3.679	18.893
Pernambuco	-28.62	-30.783	-21.759	-28.034	-45.101	-48.404	-43.184	-34.854
Piaui	-12.083	-13.274	-8.322	-29.601	-42.744	-43.591	-44.785	-49.878
Rio de Janeiro	-16.83	-17.637	-18.818	19.21	12.26	15.611	-0.398	52.736
Rio Grande do Norte	-27.093	-30.156	-20.5	-18.115	-44.083	-46.631	-46.205	-38.868
Rio Grande do Sul	3.936	3.903	-0.278	19.671	9.976	14.822	-2.026	10.484
Rondonia	-17.946	-16.446	-25.27	-37.772	-8.824	-8.617	-16.688	-6.411
Roraima	-10.114	-11.019	-11.754	-14.664	24.413	32.314	0.102	3.263
Santa Catarina	0.451	3.148	-10.401	-5.138	-9.518	-5.426	-20.941	-4.436
Sao Paulo	-12.073	-8.593	-22.205	-16.101	-2.56	0.433	-9.824	13.973
Sergipe	-9.756	-10.866	-5.527	-16.572	-32.735	-31.207	-40.019	-28.318
Tocantins	-14.961	-13.644	-22.644	-37.87	-28.025	-24.754	-41.749	-43.728
Paraguay	2.895	7.704	-11.03	-29.179	-24.246	-30.212	-0.081	-3.348
North Africa and Middle East	0.023	4.158	-15.063	-24.278	-9.953	-7.081	-20.734	-3.879
North Africa and Middle East	0.023	4.158	-15.063	-24.278	-9.953	-7.081	-20.734	-3.879
Afghanistan	-30.317	-30.481	-31.091	-20.686	-25.1	-29.509	-15.672	-37.573
Algeria	4.376	17.408	-25.743	-22.939	-3.621	0.563	-19.754	-18.484
Bahrain	-41.277	-42.518	-44.525	-40.319	-18.268	-10.781	-30.83	-18.55
Egypt	-11.851	-12.352	-6.049	-27.35	-47.108	-50.252	-38.025	-43.329
Iran	6.267	15.372	-16.069	-33.007	-23.406	-18.423	-36.783	-34.405
Iraq	-0.29	1.706	-9.77	-19.186	-10.102	-4.456	-39.47	80.648
Jordan	4.215	3.555	0.389	-13.164	-6.543	7.2	-33.545	-4.873
Kuwait	-26.285	-25.111	-24.326	-68.438	25.451	53.809	-7.569	-2.331
Lebanon	-14.481	-8.926	-30.803	-45.098	-10.919	6.049	-40.916	-0.739
Libya	18.016	34.271	-8.8	10.182	-60.271	-58.012	-66.571	-15.471
Morocco	-7.209	-15.566	29.845	-23.338	-22.445	-24.02	-27.898	-44.708
Palestine	0.702	13.25	-30.569	22.322	-14.375	-0.782	-41.941	-71.175
Oman	-44.883	-35.97	-64.365	-62.147	139.993	182.779	64.076	100.673
Qatar	11.441	18.617	-9.595	1.82	-23.441	-19.107	-32.854	-16.16
Saudi Arabia	23.29	45.332	-28.531	-40.735	-12.224	11.184	-49.262	46.045

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Sudan	-4.153	-4.855	-11.234	-13.464	28.279	22.295	21.443	-14.232
Syria	-41.949	-43.674	-47.605	-54.482	30.348	23.352	-39.963	1118.693
Tunisia	-24.764	-13.54	-49.337	-49.424	-15.416	-2.581	-43.304	-19.287
Turkey	-12.43	-11.004	-17.189	-29.441	-20.748	-21.751	-21.029	-22.425
United Arab Emirates	15.062	32.547	-17.388	26.988	41.627	54.653	23.646	42.099
Yemen	-5.584	-5.679	-8.797	-23.755	-13.929	-16.364	-15.226	-8.272
South Asia	-1.907	-0.446	-4.793	-2.49	11.906	16.908	17.431	-8.198
South Asia	-1.907	-0.446	-4.793	-2.49	11.906	16.908	17.431	-8.198
Bangladesh	-0.792	-0.193	14.175	-2.889	-29.623	-29.226	-5.091	-59.671
Bhutan	17.175	15.637	31.527	29.106	-36.388	-31.408	-51.177	-53.093
India	-3.665	-2.21	-9.239	-1.763	18.169	24.551	16.309	0.503
Andhra Pradesh	0.799	1.534	-2.698	9.104	-10.484	-5.364	-25.266	-25.375
Arunachal Pradesh	19.263	21.236	16.372	5.563	-25.206	-19.489	-33.357	-39.056
Assam	7.964	9.272	13.815	-1.893	30.657	30.701	83.851	35.622
Bihar	-30.213	-30.397	-28.539	-23.192	16.747	19.716	31.007	-13.208
Chhattisgarh	3.721	4.824	0.756	-1.696	15.952	22.275	11.921	11.249
Delhi	9.532	14.663	-3.036	-2.705	49.534	74.866	20.185	41.53
Goa	13.577	17.291	14.445	12.877	53.768	78.887	20.237	74.822
Gujarat	0.605	1.959	-1.61	0.799	15.532	24.665	-3.715	5.952
Haryana	11.942	11.9	26.222	26.177	33.794	46.818	8.288	12.199
Himachal Pradesh	28.614	29.656	43.709	37.712	45.986	60.927	25.408	39.949
Jammu and Kashmir	-3.261	-3.469	3.23	36.524	57.813	67.738	51.964	5.627
Jharkhand	-8.799	-8.376	-7.338	0.272	4.287	6.407	28.662	-6.491
Karnataka	12.851	14.024	4.874	20.442	7.158	13.237	-8.976	-9.182
Kerala	-8.255	-5.785	-23.646	-22.706	42.574	62.381	-8.893	41.304
Madhya Pradesh	-9.517	-9.165	-3.764	-6.483	-9.429	-7.526	1.336	-9.324
Maharashtra	-2.689	-0.148	-10.946	-7.969	11.815	25	-14.075	-1.022
Manipur	9.658	11.237	16.703	-6.741	18.558	25.837	20.685	7.469
Meghalaya	8.382	10.397	3.268	3.67	50.555	56.567	84.646	30.94
Mizoram	28.953	34.058	8.097	17.767	110.349	127.265	100.599	101.329
Nagaland	7.502	10.302	4.07	-12.259	101.264	129.107	58.575	93.667
Odisha	-14.462	-14.249	-7.376	-13.246	5.439	10	0.007	0.283
Punjab	3.955	7.36	-12.276	-0.216	30.653	39.206	27.106	22.31
Rajasthan	-4.347	-3.587	10.199	-5.295	21.889	25.523	53.406	9.644
Sikkim	-2.895	-2.251	10.091	-4.084	41.609	58.175	25.972	26.805
Tamil Nadu	-8.275	-8.658	-9.847	1.167	-16.387	-7.048	-43.189	-28.094
Telangana	9.063	9.811	9.124	9.178	-1.668	7.868	-26.036	-22.051
Tripura	-6.608	-7.098	4.481	24.87	47.348	52.583	54.667	5.863
Uttar Pradesh	-12.444	-11.127	-22.662	-8.22	21.047	22.3	60.402	12.048
Uttarakhand	19.145	20.485	22.948	24.254	70.793	84.77	105.965	63.49
West Bengal	-5.376	-5.595	4.25	1.084	6.862	11.158	0.651	-9.459
Union Territories other than Delhi	10.587	13.081	4.273	7.818	167.16	194.696	153.779	132.698
Nepal	-20.103	-19.672	-2.652	-7.72	-27.603	-27.36	7.306	-30.149
Pakistan	-2.049	-1.023	8.62	-9.512	9.862	11.938	43.499	1.781
Southeast Asia, East Asia, and Oceania	21.538	22.513	22.437	-0.904	-29.621	-23.539	-42.281	-33.548
East Asia	33.318	33.017	34.306	10.58	-48.007	-47.71	-53.499	-31.118
China	28.576	25.93	34.944	10.426	-47.786	-46.867	-55.278	-33.97
North Korea	333.135	425.196	44.724	56.452	-72.522	-78.441	-9.679	-8.844
Taiwan	73.27	141.909	31.246	-11.414	18.881	43.994	-9.878	26.285
Oceania	3.096	2.139	7.032	-3.264	-8.27	-8.012	-12.751	1.06
American Samoa	13.286	12.133	27.267	18.977	-0.465	0.23	-0.419	28.447
Federated States of Micronesia	1.664	6.755	-17.561	-17.444	-28.396	-30.195	-18.014	-13.141
Fiji	26.215	29.577	15.554	28.101	6.939	5.929	11.752	19.148
Guam	12.713	16.993	8.156	13.587	75.865	79.385	74.842	97.408
Kiribati	-12.414	-13.491	-11.104	-1.376	-21.916	-20.655	-29.682	-23.522
Marshall Islands	47.432	53.746	20.08	32.738	-17.352	-17.082	-19.954	-18.418
Northern Mariana Islands	-15.972	-16.262	-8.172	-20.395	3.014	0.96	9.141	2.919
Papua New Guinea	5.799	4.857	7.509	-4.162	-3.439	-2.41	-14.325	1.917
Samoa	-25.629	-26.927	-20.15	-24.111	-5.374	-3.145	-13.354	-2.096
Solomon Islands	-1.108	-1.447	-4.532	14.682	-12.336	-9.066	-28.085	-29.763
Tonga	6.114	7.796	2.451	7.427	11.945	16.371	1.41	19.387
Vanuatu	9.152	8.61	8.012	29.318	13.928	14.648	7.988	10.779
Southeast Asia	5.674	7.054	6.678	-12.259	-15.598	-9.137	-27.213	-40.477
Cambodia	9.37	8.465	17.154	12.584	-33.754	-36.644	-11.091	-57.296
Indonesia	7.896	10.015	11.326	-15.007	-15.497	-4.818	-34.744	-54.689

eTable 3b: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for <1 year, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Laos	-4.899	-6.392	12.316	1.802	-8.932	-10.048	5.981	-34.822
Malaysia	-19.402	-15.778	-31.757	-15.246	61.298	67.654	46.136	78.374
Maldives	16.519	21.838	-12.296	-11.516	-43.618	-32.586	-66.395	-59.945
Mauritius	10.592	9.377	22.127	50.821	53.949	60.761	45.613	83.788
Myanmar	2.962	-1.532	19.303	1.523	-14.079	-8.875	-36.579	-41.115
Philippines	-4.513	-5.813	13.626	-8.797	-3.756	-1.556	-6.141	16.058
Sri Lanka	-15.231	-14.21	-23.999	-6.901	-1.293	9.795	-22.878	-36.043
Seychelles	8.761	4.819	30.896	62.798	39.133	41.856	35.402	42.146
Thailand	-8.814	-8.367	-14.796	-10.249	-8.761	0.665	-29.653	-14.605
Timor-Leste	-22.476	-25.713	1.117	-23.556	-6.799	-4.195	-22.632	-43.93
Vietnam	-22.571	-25.544	-19.719	-36.063	-10.453	-13.021	-20.194	-13.221
Sub-Saharan Africa	1.55	3.382	-11.845	-11.736	-13.587	-12.71	-5.606	-24.466
Central Sub-Saharan Africa	5.724	6.434	1.168	-1.288	-5.328	-3.765	-8.211	-28.364
Angola	-4.307	-4.734	0.989	-7.312	-14.293	-10.338	-29.395	-49.068
Central African Republic	23.494	27.913	-8.633	-7.663	32.221	31.197	40.132	50.292
Congo	36.57	40.889	13.898	21.052	-0.109	8.301	-18.706	-40.285
Democratic Republic of the Congo	-6.032	-6.375	-2.625	-5.759	-15.858	-17.18	-7.663	-24.941
Equatorial Guinea	28.697	32.43	6.172	-14.113	39.113	63.642	-17.952	-27.671
Gabon	25.018	35.74	-13.451	-25.398	48.128	62.237	25.709	37.378
Eastern Sub-Saharan Africa	-5.848	-4.086	-20.778	-18.238	-17.179	-17.525	-6.815	-34.817
Burundi	26.433	25.918	10.52	186.45	-46.049	-47.308	-30.587	-74.948
Comoros	0.591	3.709	-18.281	-29.314	-30.017	-30.757	-26.392	-27.32
Djibouti	16.26	17.387	10.232	-2.613	-26.959	-23.535	-43.021	-42.552
Eritrea	-8.522	-1.538	29.524	-83.766	-14.406	-15.274	3.894	-44.431
Ethiopia	-6.262	-5.233	-24.098	-0.519	-19.065	-18.401	2.524	-58.407
Kenya	24.366	31.379	-17.487	-14.954	-14.525	-14.013	-1.365	-13.266
Baringo	16.88	22.597	-18.803	-15.159	-34.724	-33.088	-41.818	-37.108
Bomet	41.329	50.052	-25.908	-34.325	-11.285	-9.837	21.176	22.341
Bungoma	-18.526	-14.69	-41.365	-42.302	37.883	40.199	37.196	18.539
Busia	27.016	32.735	-10.326	-12.247	-26.184	-26.995	-13.689	-2.947
Elgeyo-Marakwet	-11.75	-7.308	-38.235	-31.066	65.313	75.205	29.031	5.351
Embu	10.711	16.08	-18.84	-18.864	40.319	41.299	62.918	45.725
Garissa	10.791	16.549	-34.659	-28.383	-41.436	-41.995	-32.541	-34.859
HomaBay	12.391	20.247	-34.371	-29.092	-19.527	-18.877	-19.212	-26.018
Isiolo	-17.905	-15.275	-34.704	-20.643	-40.993	-40.321	-46.084	-49.689
Kajiado	44.933	52.084	2.289	-0.8	-20.733	-20.69	0.503	10.27
Kakamega	61.871	71.553	3.575	7.182	-40.795	-41.161	-30.871	-41.266
Kericho	69.472	77.915	13.744	17.266	146.536	154.977	152.532	64.29
Kiambu	61.497	73.899	-5.84	-16.779	62.554	60.235	156.532	134.525
Kilifi	18.103	23.299	-15.942	-19.266	-33.468	-32.639	-30.523	-35.716
Kirinyaga	16.859	21.665	-8.867	-14.856	63.173	65.434	77.213	43.345
Kisii	53.903	60.444	20.727	-8.545	1.104	3.592	1.041	-8.726
Kisumu	32.884	41.61	-18.647	-8.399	-19.992	-21.882	6.947	5.052
Kitui	16.036	22.277	-25.375	-28.715	-15.298	-13.341	-15.025	-20.268
Kwale	-0.043	4.432	-31.828	-36.077	-30.478	-30.347	-17.028	-26.381
Laikipia	58.636	64.973	23.255	18.105	-10.358	-1.827	-37.343	-34.457
Lamu	23.403	29.143	-9.567	-7.478	4.441	4.079	3.712	56.188
Machakos	30.763	38.863	-15.604	-15.223	102.898	105.738	136.937	86.192
Makueni	26.561	34.216	-24.601	-26.414	-67.321	-66.181	-69.94	-62.415
Mandera	-9.747	-6.689	-41.805	-19.633	-33.768	-32.541	-40.703	-49.647
Marsabit	-11.328	-7.403	-39.879	-19.589	-7.723	-5.22	-23.436	-32.645
Meru	48.215	55.986	-0.561	-1.438	102.19	101.126	167.179	136.072
Migori	-1.267	4.064	-37.946	-25.519	-25.834	-25.597	-19.526	-40.551
Mombasa	48.586	58.465	-2.197	-5.895	26.612	26.457	66.91	57.608
Murang'a	23.887	30.013	-7.159	-7.082	97.677	88.874	172.081	130.366
Nairobi	35.244	43.354	3.3	6.034	-11.678	-6.229	-1.897	17.173
Nakuru	89.561	100.993	20.099	13.88	31.365	27.69	109.187	85.004
Nandi	28.033	35.765	-19.784	-30.099	1.036	1.488	25.664	25.263
Narok	9.356	14.774	-32.007	-25.453	-55.279	-55.982	-44.584	-36.231
Nyamira	69.211	77.359	23.548	5.472	-35.687	-33.915	-31.451	-27.883
Nyandarua	70.475	77.569	29.951	29.082	141.005	141.914	183.404	154.213
Nyeri	48.255	56.378	4.203	24.884	94.521	89.342	176.639	109.205
Samburu	-10.138	-5.719	-46.674	-15.685	-39.956	-38.533	-48.481	-61.077
Siaya	23.938	30.893	-21.696	-16.399	0.881	0.887	11.268	-6.073
TaitaTaveta	49.295	56.002	12.286	21.045	-8.963	-7.629	-3.488	3.109

eTable 3b: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for <1 year, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
TanaRiver	70.083	73.985	36.638	25.894	17.811	17.423	41.864	14.667
TharakaNithi	57.865	63.537	24.554	29.07	-16.105	-12.563	-22.377	-29.663
TransNzoia	0.167	7.662	-48.728	-47.496	1.313	2.688	26.796	12.707
Turkana	-20.204	-15.637	-59.443	-26.575	-48.047	-48.765	-25.632	-71.244
UasinGishu	34.226	42.907	-11.828	-19.578	17.223	19.788	29.637	22.132
Vihiga	111.745	121.392	54.217	34.561	-72.51	-73.078	-66.229	-56.079
Wajir	9.863	14.509	-38.079	-13.831	-36.628	-38.102	-5.425	-52.131
WestPokot	-9.103	-4.867	-45.116	-35.042	-3.887	-2.573	5.156	-34.297
Madagascar	-15.03	-13.829	-23.626	-27.163	-7.607	-5.821	-19.944	-21.045
Malawi	-21.331	-18.155	-43.585	-47.862	-22.946	-23.556	-18.178	-23.217
Mozambique	-19.843	-19.256	-25.026	-38.471	-4.633	-3.945	-15.017	-28.167
Rwanda	19.064	18.95	20.315	11.068	-48.242	-49.405	-43.371	-51.595
Somalia	-17.694	-16.989	-24.849	-27.351	-33.656	-34.059	-31.198	-19.276
South Sudan	-15.303	-14.914	-21.116	-14.559	20.287	19.645	46.172	25.506
Tanzania	-8.386	-6.536	-20.652	-21.441	-19.222	-24.307	3.596	2.669
Uganda	1.735	2.989	-10.83	-10.248	-6.076	-4.769	-13.837	-19.543
Zambia	0.43	4.081	-22.743	-26.71	-19.419	-18.22	-19.059	-26.444
Southern Sub-Saharan Africa	25.783	33.706	-13.858	-25.226	-19.269	-15.898	13.863	-2.417
Botswana	54.51	65.511	1.15	-8.291	-21.408	-13.823	2.369	48.151
Lesotho	44.785	50.732	-1.073	-2.413	-16.636	-14.415	-4.092	5.336
Namibia	17.044	22.327	-14.376	-12.371	15.586	23.897	43.099	30.866
South Africa	19.922	28.793	-19.733	-28.546	-32.316	-29.592	3.533	-18.025
Swaziland	73.376	84.799	0.186	-4.825	-21.047	-18.821	16.737	18.701
Zimbabwe	41.145	46.654	3.895	-10.049	-19.753	-22.505	29.705	32.942
Western Sub-Saharan Africa	1.933	3.485	-9.689	-9.838	-6.774	-5.031	-3.401	-9.686
Benin	-8.859	-8.05	-13.84	-27.628	6.007	8.946	-12.301	-13.878
Burkina Faso	-1.791	-1.685	-2.194	-11.625	-4.904	-9.271	29.607	0.821
Cameroon	-3.366	-1.963	-13.271	-10.956	-3.879	-1.545	-4.304	-3.181
Cape Verde	19.991	21.915	-1.306	23.625	-10.139	-1.261	-39.33	-43.039
Chad	0.511	0.447	2.611	10.077	-8.435	-8.907	9.68	-14.676
Cote d'Ivoire	18.433	20.532	4.441	-0.864	-13.133	-13.47	-7.114	-6.751
The Gambia	3.222	6.464	-20.389	-15.061	-2.493	-1.649	-5.378	1.253
Ghana	3.158	4.344	0.734	-7.844	0.926	4.712	-2.751	6.128
Guinea	-8.919	-8.348	-15.258	-15.606	-12.012	-11.168	-18.293	-25.828
Guinea-Bissau	-5.213	-4.702	-12.146	-11.094	-14.927	-12.392	-32.665	-31.122
Liberia	-34.388	-32.607	-41.557	-65.481	-35.659	-34.444	-45.471	-46.788
Mali	-10.528	-10.901	-3.93	-6.712	-7.937	-10.489	23.043	-11.967
Mauritania	9.013	8.784	32.655	27.789	-13.824	-13.864	9.766	-17.406
Niger	-20.921	-20.095	-30.127	-36.515	-35.772	-37.837	6.666	-32.365
Nigeria	5.978	7.973	-10.633	-6.605	-3.834	0.417	-9.167	-8.134
Sao Tome and Principe	-4.364	-4.384	-9.167	-10.96	-0.198	-0.086	-13.315	-5.86
Senegal	4.48	4.734	5.456	-8.248	-28.002	-28.978	-20.907	-16.467
Sierra Leone	-8.34	-6.615	-25.059	-8.006	-12.569	-12.626	-9.652	-31.529
Togo	4.026	6.657	-15.523	-16.811	-13.371	-12.232	-13.402	-19.192

eTable 3c: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for 1-4 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Global	12.902	30.201	-1.412	-9.833	-21.792	-7.293	-5.7	-24.566
Low SDI	-6.796	-4.151	-16.208	-19.839	-6.667	-2.598	4.371	-29.703
Low-middle SDI	18.592	28.864	-1.845	-10.674	2.699	20.149	3.44	-13.622
Middle SDI	-0.254	10.36	-1.93	-20.18	-8.404	12.151	-9.101	-28.182
High-middle SDI	-5.827	-13.547	10.782	-2.531	-36.577	-40.308	-25.287	-43.717
High SDI	15.37	41.856	4.005	-12.378	41.82	93.388	22.512	11.675
Central Europe, Eastern Europe, and Central Asia	1.088	9.606	1.168	1.005	-20.084	-18.178	-3.801	-29.934
Central Asia	-24.304	-24.028	-11.177	-24.808	-12.678	-2.82	11.149	-20.099
Armenia	-13.278	-8.845	5.728	-39.972	28.501	78.374	21.547	-35.516
Azerbaijan	-35.83	-38.428	-20.414	-50.908	-5.967	1.731	13.574	15.367
Georgia	-25.438	-32.694	-2.346	-46.18	-13.065	-28.52	13.881	-2.53
Kazakhstan	-8.248	-11.917	13.135	-7.09	-15.667	-23.097	3.148	-11.436
Kyrgyzstan	-39.474	-45.744	-13.261	-35.84	-32.003	-36.088	-0.369	-41.663
Mongolia	-28.532	-26.067	-20.405	-19.374	-47.643	-52.628	-42.141	-11.349
Tajikistan	-48.914	-52.631	-30.53	-43.527	-13.941	-15.315	24.658	-17.985
Turkmenistan	-19.498	-20.348	-8.083	-8.367	-45.527	-41.432	1.625	-66.86
Uzbekistan	-14.148	-9.539	-8.226	-20.982	1.366	24.243	15.836	-25.586
Central Europe	-3.347	6.757	-2.147	-15.954	-2.618	13.711	-2.76	-25.197
Albania	-36.157	-48.084	-11.934	-20.778	4.395	5.971	6.075	-16.237
Bosnia and Herzegovina	76.283	93.4	43.528	48.841	36.182	88.833	8.622	2.272
Bulgaria	13.486	28.747	10.644	-0.471	-16.941	-6.256	-14.224	-37.282
Croatia	-3.989	16.384	-4.297	-27.463	13.926	38.657	9.274	-15.536
Czech Republic	15.116	53.576	1.855	6.57	-1.102	8.883	1.513	-22.308
Hungary	20.828	43.907	9.442	11.996	-4.243	12.344	-7.931	-25.066
Macedonia	-13.661	-11.495	-10.086	-25.405	14.559	36.406	2.208	12.264
Montenegro	-20.309	-15.352	-16.545	-33.839	14.054	38.256	10.571	-9.33
Poland	17.121	50.624	7.492	-6.788	16.141	44.459	9.441	-11.015
Romania	-16.954	-6.239	-14.934	-26.38	-12.897	7.659	-8.127	-36.338
Serbia	-26.972	-15.489	-30.704	-39.383	-5.336	53.85	-24.498	-42.979
Slovakia	38.973	55.622	32.388	30.437	1.748	10.338	-1.208	-2.932
Slovenia	3.538	36.127	-0.991	-20.297	0.872	10.449	1.232	-18.089
Eastern Europe	8.172	12.101	4.272	11.31	-13.024	9.006	-7.691	-35.982
Belarus	14.915	13.252	3.039	27.529	-2.228	43.068	-0.374	-35.693
Estonia	2.162	35.275	7.732	-17.745	-11.135	22.684	-3.713	-47.643
Latvia	0.561	19.011	1.312	-9.97	-12.527	29.68	-7.608	-46.755
Lithuania	9.385	38.032	5.969	-2.499	-3.841	40.97	-3.836	-35.926
Moldova	-41.02	-40.814	-24.408	-54.049	15.318	61.392	0.428	-20.698
Russian Federation	19.772	23.858	11.543	30.2	-22.992	-3.238	-16.876	-43.962
Ukraine	-19.596	-19.477	-13.677	-27.96	20.521	39.361	23.018	-6.629
High-income	-6.061	0.091	-2.706	-17.72	1.004	9.135	4.16	-16.548
Australasia	-3.092	10.858	-1.147	-14.581	1.114	9.832	4.269	-12.404
Australia	-3.264	10.605	-0.776	-16.046	3.772	14.024	5.307	-7.827
New Zealand	6.156	24.731	3.618	0.081	-10.933	-6.642	-2.25	-29.224
High-income Asia Pacific	-5.549	6.471	-2.629	-17.964	-14.547	-3.607	-4.522	-48.944
Brunei	7.497	24.99	2.157	1.883	9.556	34.14	4.131	-4.566
Japan	-5.067	9.265	-4.407	-22.062	-7.355	-4.3	-2.31	-29.96
Aichi	0.652	18.335	-0.781	-15.974	-6.175	-3.192	-1.632	-29.043
Akita	-8.15	10.127	-7.802	-25.54	-0.027	6.374	3.892	-19.975
Aomori	-8.627	5.853	-7.697	-26.635	3.775	5.857	7.723	-12.257
Chiba	5.36	19.937	3.491	-6.229	-7.822	-5.621	-2.247	-30.59
Ehime	-7.133	5.749	-6.215	-21.953	-6.92	0.009	-1.965	-32.041
Fukui	-8.144	7.634	-6.001	-27.742	1.048	10.547	4.177	-23.49
Fukuoka	-5.443	14.455	-1.988	-29.356	-9.338	-7.508	-2.804	-32.361
Fukushima	-7.854	7.731	-7.381	-25.276	-1.635	2.386	2.193	-21.224
Gifu	-1.806	14.24	-2.077	-16.425	-1.699	5.404	2.345	-23.688
Gunma	-2.885	12.596	-3.675	-18.032	-0.541	6.642	2.833	-23.776
Hiroshima	-5.054	14.517	-4.698	-24.059	-5.681	0.462	-0.694	-31.117
Hokkaido	-8.778	6.637	-7.048	-27.032	-12.933	-7.115	-7.545	-38.286
Hyogo	-5.608	10.872	-4.855	-24.734	-6.782	-6.063	-0.677	-28.254
Ibaraki	-0.195	13.558	-0.34	-13.499	-11.177	-7.539	-4.387	-36.347
Ishikawa	-5.349	10.957	-4.87	-23.326	0.245	6.298	3.613	-21.007
Iwate	-8.074	3.916	-6.855	-23.926	4.886	12.178	5.669	-8.743
Kagawa	-2.723	15.103	-3.779	-16.688	-1.656	6.477	2.723	-25.175
Kagoshima	-5.779	8.968	-5.308	-22.152	-15.971	-14.603	-8.606	-41.034

eTable 3c: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for 1-4 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Kanagawa	-1.723	9.87	-0.787	-19.214	-8.362	-8.242	-3.514	-28.238
Kochi	-4.052	12.576	-4.982	-19.804	14.359	15.343	16.188	7.075
Kumamoto	-13.013	4.563	-11.814	-33.227	-3.945	-0.253	1.169	-28.121
Kyoto	-1.47	13.554	-4.385	-11.888	-1.659	-0.757	2.54	-18.847
Mie	0.396	16.107	0.284	-14.533	2.505	8.259	6.27	-16.749
Miyagi	-9.104	3.736	-6.287	-27.707	3.036	6.028	6.552	-13.195
Miyazaki	-15.105	1.223	-13.097	-36.902	-6.617	-3.412	-1.34	-32.809
Nagano	-2.537	14.733	-3.285	-19.103	0.399	8.317	3.219	-22.101
Nagasaki	-7.732	4.358	-5.771	-25.206	-6.424	-2.473	-0.911	-31.231
Nara	-1.113	12.637	-2.776	-12.53	-1.725	2.667	0.673	-17.19
Niigata	1.732	19.265	1.186	-14.669	-7.777	0.247	-3.041	-34.925
Oita	-13.001	2.593	-11.417	-32.587	-3.941	3.687	-0.339	-28.976
Okayama	-5.82	12.136	-6.453	-20.022	-11.089	-5.845	-4.495	-36.145
Okinawa	-7.622	3.966	-6.282	-29.392	-1.36	2.741	0.868	-23.383
Osaka	-9.655	3.808	-8.7	-27.437	-13.073	-11.705	-7.691	-35.594
Saga	-9.928	3.951	-7.873	-26.19	-12.888	-3.241	-6.263	-44.008
Saitama	1.169	18.286	-0.454	-15.714	-6.704	-3.468	-3.184	-27.159
Shiga	-1.584	13.135	-2.223	-16.593	0.927	3.503	4.979	-18.956
Shimane	2.171	16.176	-0.351	-8.436	-2.914	6.069	0.906	-29.907
Shizuoka	-8.466	8.282	-7.461	-27.42	-4.162	2.626	-0.101	-28.512
Tochigi	2.403	16.915	0.285	-8.025	-3.225	-0.027	2.166	-24.679
Tokushima	-0.555	14.1	-2.456	-11.532	-9.174	-1.021	-4.049	-36.29
Tokyo	-4.613	5.822	-5.358	-16.414	-20.99	-19.867	-16.145	-43.236
Tottori	-2.574	11.04	-2.588	-16.963	4.277	9.574	7.394	-13.396
Toyama	-10.77	8.388	-8.107	-31.116	-1.283	2.929	3.914	-22.118
Wakayama	-2.015	14.391	-3.866	-15.175	-9.18	-2.504	-3.982	-35.795
Yamagata	-4.538	11.737	-4.229	-22.296	5.062	14.648	6.987	-16.504
Yamaguchi	-2.366	11.004	-3.066	-14.463	-7.443	-3.327	-1.416	-31.417
Yamanashi	-8.969	6.574	-8.265	-26.077	-4.284	1.643	0.785	-29.975
South Korea	9.881	31.704	10.439	4.182	-23.8	2.286	-10.396	-60.682
Singapore	-6.174	16.378	-14.378	-20.76	6.187	17.266	2.537	-12.23
High-income North America	-5.251	-2.313	0.393	-17.051	9.071	15.888	10.079	1.877
Canada	-5.23	5.423	-0.291	-28.795	7.929	12.311	8.735	-4.55
Greenland	-4.544	-10.804	5.704	-6.722	4.258	25.513	7.188	-8.239
United States	-4.936	-2.294	0.703	-16.2	9.026	16.404	9.806	2.297
Alabama	3.045	10.816	4.499	-1.698	11.878	28.764	12.836	4.608
Alaska	15.116	12.165	15.019	20.248	8.25	23.443	8.851	5.424
Arizona	-7.012	-0.846	-0.789	-20.199	19.275	27.484	16.596	20.499
Arkansas	3.045	5.365	5.556	-0.928	6.501	28.867	8.353	-6.196
California	-6.078	-2.389	0.043	-21.614	6.813	14.926	8.56	-7.514
Colorado	-3.995	-1.634	0.565	-13.736	10.047	17.18	9.012	8.484
Connecticut	-10.706	-9.642	-2.564	-32.357	0.412	3.092	3.369	-17.054
Delaware	-3.417	-3.54	3.061	-14.368	4.995	12.562	6.84	-4.882
District of Columbia	-9.612	-10.017	-1.118	-13.617	-10.288	-17.057	-1.645	-16.364
Florida	-5.345	-4.542	1.563	-13.724	10.172	11.023	13.214	7.615
Georgia	-4.951	-2.381	1.934	-15.543	13.559	19.678	15.71	7.162
Hawaii	7.321	5.486	10.868	0.069	6.521	15.125	7.303	-4.54
Idaho	-3.798	5.051	0.809	-16.556	-4.776	20.249	-4.19	-24.46
Illinois	-2.874	7.541	3.019	-19.408	4.266	15.103	5.48	-8.265
Indiana	-0.186	3.166	5.149	-9.826	0.481	16.284	2.998	-14.464
Iowa	1.231	4.279	4.047	-6.479	6.115	15.806	5.37	0.412
Kansas	7.286	11.925	7.931	3.945	3.635	23.598	4.31	-10.841
Kentucky	-5.187	1.471	-0.54	-16.217	11.614	22.037	11.075	5.975
Louisiana	10.086	8.321	8.358	14.239	23.039	35.53	18.14	28.329
Maine	7.572	12.512	9.37	0.935	1.145	14.465	3.13	-14.774
Maryland	-8.983	-8.047	-0.675	-24.729	16.351	12.276	16.18	23.381
Massachusetts	-4.952	-3.848	1.188	-23.566	8.324	10.596	7.88	5.601
Michigan	-2.756	5.302	1.637	-15.026	3.615	7.963	5.755	-3.898
Minnesota	-0.311	0.729	3.246	-8.771	3.952	11.99	5.58	-8.674
Mississippi	12.003	14.76	10.701	13.184	11.635	32.462	11.565	6.225
Missouri	-6.79	0.596	-0.833	-19.765	10.515	18.092	9.58	9.073
Montana	8.01	10.09	9.441	5.975	7.383	13.302	7.323	7.073
Nebraska	0.265	5.97	3.245	-9.415	2.556	8.111	4.06	-5.019
Nevada	-4.07	2.414	1.43	-17.182	10.799	21.751	8.068	9.433

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
New Hampshire	3.719	9.458	6.184	-8.473	6.162	11.274	6.412	-1.546
New Jersey	-17.532	-20.54	-6.753	-39.75	11.314	13.069	12.767	0.714
New Mexico	-3.779	3.565	2.197	-18.347	25.762	42.023	16.842	34.224
New York	-9.752	-16.964	-0.317	-23.723	8.11	7.55	11.951	-5.655
North Carolina	-11.417	-7.469	-4.054	-24.392	13.344	19.74	13.062	11.083
North Dakota	0.114	6.446	3.46	-11.003	11.252	19.88	9.905	8.093
Ohio	-3.029	2.353	1.469	-15.869	9.747	21.23	8.447	3.076
Oklahoma	-6.338	0.74	0.581	-19.34	30.298	41.3	22.946	40.68
Oregon	-2.071	3.71	2.855	-14.418	0.066	13.359	3.179	-18.038
Pennsylvania	-3.669	3.036	0.912	-16.225	4.052	11.056	6.191	-6.86
Rhode Island	-5.543	-1.695	0.115	-24.047	11.145	12.937	9.858	12.35
South Carolina	-8.835	1.117	-1.838	-22.987	19.503	27.733	16.766	22.107
South Dakota	5.4	9.972	7.566	-0.202	0.393	15.054	1.905	-11.577
Tennessee	-1.421	4.094	3.267	-10.34	-0.63	17.659	2.066	-15.786
Texas	-5.317	-4.858	-0.613	-13.987	18.229	32.418	16.282	11.492
Utah	4.236	-1.303	8.582	-0.891	9.174	27.923	5.846	-1.045
Vermont	-0.555	1.854	5.205	-13.689	3.755	8.71	5.326	-5.632
Virginia	-5.593	-0.921	1.339	-20.846	11.295	14.535	12.088	7.79
Washington	2.356	7.888	6.926	-10.904	3.565	9.867	4.944	-6.071
West Virginia	-7.866	2.14	-1.829	-22.757	8.798	19.404	8.362	1.917
Wisconsin	2.464	6.399	6.559	-8.131	-1.027	13.343	-0.515	-15.043
Wyoming	7.67	15.295	8.964	2.271	15.284	26.951	12.447	17.632
Southern Latin America	6.166	19.554	-0.576	-8.521	12.905	37.502	6.465	-9.121
Argentina	6.35	19.162	-3.274	-3.476	11.286	35.411	4.492	-9.172
Chile	7.471	22.834	7.875	-19.345	15.877	38.114	13.667	-15.229
Uruguay	15.966	42.818	3.018	-5.84	6.836	26.134	-1.564	-11.353
Western Europe	-3.234	9.062	-3.225	-18.532	0.752	11.886	2.017	-23.364
Andorra	-23.946	-19.377	-20.839	-36.507	-17.9	-11.346	-15.495	-35.76
Austria	-2.967	16.08	-3.781	-21.752	0.452	25.089	-3.127	-27.197
Belgium	-3.611	11.601	-5.655	-10.642	-5.877	3.894	-0.989	-28.853
Cyprus	16.57	37.292	9.468	6.874	-2.234	14.763	-3.079	-31.386
Denmark	-12.151	-7.316	-9.834	-25.572	-11.545	-1.944	-10.174	-34.294
Finland	-0.078	16.58	-2.122	-18.002	1.315	12.014	1.43	-24.055
France	-1.183	9.961	-0.63	-12.066	8.773	14.82	12.12	-8.091
Germany	-8.722	8.616	-6.109	-30.99	5.417	22.489	6.151	-25.174
Greece	14.503	40.578	7.691	-1.635	8.987	23.919	5.129	-1.647
Iceland	1.163	10.821	0.564	-11.175	8.668	9.779	9.277	0.803
Ireland	10.79	31.529	6.378	-4.504	-11.882	-11.573	-5.912	-41.2
Israel	-2.893	6.652	-3.467	-12.213	-10.215	8.003	-7.343	-39.89
Italy	-5.465	0.659	-6.645	-16.56	-2.923	11.653	-4.19	-27.564
Luxembourg	-4.581	8.664	-3.194	-22.748	-10.268	-1.01	-6.809	-39.832
Malta	18.424	53.88	6.502	2.68	-3.375	-12.949	1.779	-11.274
Netherlands	-4.483	4.317	-4.029	-17.749	-11.147	-9.449	-7.061	-33.605
Norway	-6.264	6.624	-0.148	-25.209	-1.278	35.397	-5.322	-31.748
Portugal	-3.485	15.399	-4.716	-22.861	-10.294	12.709	-8.824	-38.614
Spain	6.894	27.636	1.114	-6.357	-5.793	5.316	-3.912	-31.981
Sweden	4.115	18.21	1.057	-10.757	8.162	17.113	6.703	-8.569
Stockholm	-5.156	-0.504	-5.687	-15.014	2.947	10.33	1.827	-12.944
Sweden except Stockholm	5.464	21.931	1.917	-10.833	9.907	19.313	8.319	-7.058
Switzerland	-12.44	-11.08	-6.206	-27.547	-11.447	4.135	-7.966	-41.596
United Kingdom	1.741	13.702	-1.383	-15.869	16.33	28.296	12.075	-1.368
England	5.081	19.584	0.54	-11.795	13.796	24.072	10.572	-4.297
East Midlands	6.106	18.36	1.816	-10.187	12.764	29.028	7.886	-9.806
Derby	7.595	20.683	2.325	-4.488	6.911	15.748	5.151	-13.176
Derbyshire	8.998	24.282	3.251	-9.324	19.726	34.857	13.621	1.927
Leicester	17.657	31.728	9.839	10.056	8.013	19.819	4.299	-12.645
Leicestershire	3.47	13.206	0.182	-14.217	20.343	36.815	13.912	3.577
Lincolnshire	0.08	7.625	-1.274	-18.62	10.788	32.683	4.787	-16.15
Northamptonshire	-2.288	10.443	-4.557	-22.411	13.1	34.12	7.278	-13.05
Nottingham	24.126	32.905	17.762	26.962	1.541	9.612	2.088	-21.938
Nottinghamshire	2.678	16.289	-1.628	-17.491	12.811	32.179	6.284	-10.78
Rutland	-9.003	-3.989	-8.786	-22.205	-1.013	9.534	-0.901	-29.231
East of England	5.263	17.273	1.11	-10.377	16.959	29.518	12.337	-0.049
Bedford	-2.298	16.618	-5.91	-20.177	5.629	18.852	3.775	-15.999

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Cambridgeshire	9.396	20.558	5.857	-3.441	10.425	15.544	10.242	-9.686
Central Bedfordshire	13.485	24.286	7.476	8.52	21.626	29.302	18.31	10.475
Essex	4.33	17.152	-0.25	-15.296	23.568	36.342	16.761	14.346
Hertfordshire	5.531	15.052	2.181	-8.928	16.614	26.119	12.885	1.87
Luton	22.509	42.229	13.017	15.101	20.257	44.141	12.36	1.277
Norfolk	-3.565	11.517	-6.611	-28.133	18.67	34.423	12.385	0.901
Peterborough	10.985	23.337	6.516	1.313	-1.336	12.76	-2.645	-26.312
Southend-on-Sea	10.554	24.307	3.428	0.416	13.891	34.131	7.63	-11.744
Suffolk	1.661	8.721	-0.484	-15.101	15.451	29.016	10.105	-2.544
Thurrock	9.946	24.093	3.414	-0.602	-2.1	10.273	-4.333	-24.804
Greater London	-0.735	10.152	-1.371	-18.78	7.47	12.164	8.071	-13.379
Barking and Dagenham	-11.108	4.532	-14.571	-31.548	2.981	15.561	1.18	-26.38
Barnet	1.081	12.034	-1.002	-18.534	13.685	16.656	12.745	0.58
Bexley	5.722	13.793	2.316	-8.391	18.43	30.172	13.5	2.631
Brent	4.778	19.849	2.177	-10.533	-9.677	2.806	-8.996	-38.821
Bromley	1.239	16.213	-2.862	-20.547	12.264	15.497	10.628	1.762
Camden	-16.01	-11.725	-10.628	-36.741	3.793	3.026	7.711	-14.728
Croydon	0.247	16.194	-4.25	-17.877	-4.297	2.675	-4.288	-29.115
Ealing	-1.715	13.99	-3.511	-22.1	-2.528	2.727	-1.041	-26.049
Enfield	11.113	25.088	5.795	-2.477	6.114	14.526	4.758	-16.62
Greenwich	3.514	20.565	-0.779	-18.754	10.324	17.842	8.396	-7.962
Hackney	-0.969	10.541	-1.374	-19.042	14.81	22.186	13.865	-3.352
Hammersmith and Fulham	-9.804	-2.751	-7.189	-24.766	-9.857	-6.787	-4.501	-37.433
Haringey	6.385	17.821	4.369	-5.138	-7.724	-0.872	-4.683	-34.659
Harrow	17.493	30.82	11.727	6.518	6.607	15.558	4.64	-14.617
Havering	3.007	11.812	-0.437	-11.093	15.398	28.159	10.614	-2.849
Hillingdon	6.915	12.674	5.201	-4.184	18.706	29.26	14.832	4.861
Hounslow	2.692	17.139	-0.018	-13.177	4.233	11.733	4.449	-18.458
Islington	2.278	10.811	2.991	-12.552	8.134	3.412	13.309	-7.382
Kensington and Chelsea	-33.754	-28.787	-28.478	-52.945	4.09	5.721	8.2	-19.737
Kingston upon Thames	-2.591	9	-3.685	-20.645	10.949	13.987	11.757	-5.837
Lambeth	-0.518	9.242	-1.275	-15.067	13.464	14.648	14.8	-1.087
Lewisham	3.318	17.526	-0.38	-13.089	3.608	20.72	0.137	-26.306
Merton	-0.941	14.347	-4.304	-20.494	16.061	19.088	15.139	3.646
Newham	0.233	14.201	-2.586	-18.728	15.684	27.078	12.276	-3.819
Redbridge	-4.208	7.222	-6.155	-24.539	9.602	19.27	6.989	-10.282
Richmond upon Thames	7.413	17.711	4.667	-4.454	15.186	19.41	15.332	-2.248
Southwark	3.684	11.382	4.505	-11.49	2.604	7.828	4.651	-21.5
Sutton	1.71	23.132	-4.584	-19.011	7.124	12.309	6.264	-10.857
Tower Hamlets	13.532	31.719	9.189	-4.183	19.256	23.106	18.853	4.045
Waltham Forest	1.163	16.713	-2.229	-18.47	-1.843	8.774	-2.503	-29.198
Wandsworth	-11.845	3.102	-1.946	-49.242	-4.83	-2.554	-2.104	-29.495
Westminster	-22.071	-16.041	-16.393	-40.599	1.899	1.934	7.502	-20.179
North East England	6.834	24.03	0.09	-11.633	14.721	26.929	9.594	-2.671
County Durham	11.312	28.712	3.594	-8.096	17.798	28.125	12.569	2.136
Darlington	-6.975	6.167	-11.175	-22.631	-3.793	7.297	-6.324	-27.243
Gateshead	5.128	24.756	-1.799	-15.143	12.687	25.115	8.425	-9.788
Hartlepool	-1.16	15.063	-7.344	-18.106	7.5	17.033	3.754	-8.804
Middlesbrough	11.029	28.043	3.836	-4.208	3.165	12.758	0.646	-19.571
Newcastle upon Tyne	13.665	28.692	7.875	0.73	17.743	22.524	15.408	7.578
North Tyneside	-1.272	22.931	-8.023	-25.991	18.785	35.021	11.697	2.565
Northumberland	1.568	12.829	-2.431	-18.314	18.609	36.213	10.806	3.126
Redcar and Cleveland	-3.098	11.62	-8.242	-26.262	14.108	28.016	7.298	-4.441
South Tyneside	10.872	29.835	1.403	-5.582	15.002	33.048	7.677	-8.326
Stockton-on-Tees	0.314	17.657	-5.384	-20.66	8.826	20.848	4.155	-8.96
Sunderland	16.368	34.065	7.886	1.748	22.569	35.5	16.487	8.083
North West England	4.175	15.111	0.612	-11.482	20.059	32.63	14.86	5.166
Blackburn with Darwen	17.874	23.842	13.001	14.29	10.298	26.892	5.416	-12
Blackpool	2.829	18.675	-2.924	-10.286	-1.113	16.65	-3.752	-27.112
Bolton	-0.785	11.205	-4.798	-17.514	8.934	22.069	4.797	-13.315
Bury	8.621	18.327	3.518	0.011	14.231	29.316	9.288	-4.734
Cheshire East	1.792	12.099	-0.349	-16.928	28.119	30.955	24.974	28.131
Cheshire West and Chester	-1.504	6.492	-2.216	-20.973	27.52	32.941	22.955	28.331
Cumbria	-7.006	-2.12	-5.926	-26.701	26.805	42.377	19.618	15.784

eTable 3c: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for 1-4 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Halton	5.569	14.283	2.144	-6.365	26.475	40.419	20.306	13.148
Knowsley	12.1	28.955	4.42	-1.384	25.206	40.005	18.759	9.052
Lancashire	4.302	17.439	0.202	-13.225	18.594	28.073	14.624	6.003
Liverpool	11.476	23.836	6.439	-3.55	25.983	31.385	21.752	23.994
Manchester	6.882	17.949	4.692	-8.514	13.087	25.433	10.065	-8.968
Oldham	-7.431	-1.652	-8.293	-25.456	24.028	35.995	17.436	12.07
Rochdale	7.324	16.415	2.851	-6.217	18.001	31.47	12.094	2.715
Salford	4.207	21.362	-1.167	-14.102	12.738	27.645	7.78	-7.336
Sefton	10.056	30.16	2.111	-8.467	10.586	18.207	7.985	-4.724
St Helens	2.99	17.922	-2.4	-14.01	11.318	29.002	5.941	-13.822
Stockport	8.391	17.98	4.096	-4.731	19.086	28.071	14.725	7.19
Tameside	8.152	20.032	3.036	-7.575	4.554	16.056	0.999	-16.147
Trafford	2.505	15.572	-0.712	-14.514	13.495	25.742	9.701	-5.979
Warrington	5.511	17.023	1.843	-8.719	15.573	25.06	11.797	1.365
Wigan	6.202	18.388	1.25	-8.261	7.271	19.995	3.65	-17.287
Wirral	3.623	14.78	-0.617	-13.805	28.139	37.526	22.407	21.963
South East England	-2.55	8.659	-4.68	-22.304	15.272	22.754	12.513	-0.493
Bracknell Forest	3.839	16.303	1.049	-9.812	-1.585	9.846	-2.72	-25.836
Brighton and Hove	3.784	17.897	-0.345	-10.934	14.869	13.736	16.303	-0.063
Buckinghamshire	1.409	11.315	-0.321	-16.615	15.205	25.932	11.556	-1.658
East Sussex	0.204	15.854	-3.817	-24.73	29.36	39.358	23.608	20.3
Hampshire	-1.591	9.201	-3.499	-24.75	19.267	28.686	14.553	7.685
Isle of Wight	-15.842	1.848	-19.702	-35.699	9.351	22.906	5.177	-11.511
Kent	-9.66	0.783	-10.672	-35.671	25.396	36.699	18.713	17.638
Medway	-1.791	7.602	-4.717	-18.334	7.393	24.53	1.703	-18.193
Milton Keynes	2.321	11.65	0.869	-12.24	9.36	19.339	7.889	-13.297
Oxfordshire	-5.877	3.21	-6.156	-28.014	18.713	19.833	17.704	7.139
Portsmouth	7.264	16.025	3.795	-4.997	3.095	12.36	0.111	-14.868
Reading	18.272	25.833	13.412	21.409	1.484	10.302	3.109	-25.391
Slough	-7.285	2.303	-8.176	-20.744	-1.909	6.043	-1.896	-21.803
Southampton	8.573	21.455	3.746	-2.131	8.209	14.759	7.406	-9.519
Surrey	-2.961	6.238	-4.618	-23.065	17.836	24.164	14.688	3.805
West Berkshire	-2.025	6.206	-1.983	-17.061	-4.671	-1.89	-1.673	-28.609
West Sussex	-3.962	10.675	-7.037	-27.024	14.899	18.173	13.686	-0.38
Windsor and Maidenhead	0.116	4.409	0.013	-9.911	12.05	23.058	10.364	-7.773
Wokingham	-7.683	-1.084	-6.553	-26.364	11.832	19.906	10.068	-5.779
South West England	4.443	15.817	0.64	-11.011	13.264	26.497	8.666	-4.921
Bath and North East Somerset	4.691	12.651	2.106	-8.544	18.137	25.336	13.903	10.67
Bournemouth	9.618	23.437	4.527	-0.754	3.596	24.545	0.067	-27.372
Bristol, City of	5.495	15.23	2.873	-9.681	11.505	14.929	10.275	-1.223
Cornwall	9.424	27.306	2.801	-10.298	18.444	37.385	10.657	0.55
Devon	-2.694	8.143	-5.429	-24.92	28.571	48.744	18.442	21.708
Dorset	11.388	23.351	6.308	-0.905	15.269	28.231	11.069	-2.272
Gloucestershire	3.442	13.298	0.92	-13.299	16.401	32.249	10.994	-4.964
North Somerset	4.072	16.26	-0.824	-10.833	11.484	27.008	5.262	-7.38
Plymouth	11.925	21.488	6.769	3.697	6.329	17.971	2.758	-13.268
Poole	16.371	26.327	11.026	11.567	3.063	15.467	1.104	-16.384
Somerset	-0.073	11.508	-2.858	-20.908	20.224	37.616	13.083	4.196
South Gloucestershire	3.345	13.355	-0.548	-9.955	13.401	25.087	8.937	-5.604
Swindon	-2.409	4.869	-3.877	-16.805	0.327	11.121	-1.778	-21.428
Torbay	-10.315	0.013	-12.776	-27.169	0.828	16.507	-2.826	-25.162
Wiltshire	6.842	18.786	2.503	-7.429	13.525	26.008	9.247	-5.034
West Midlands	1.209	22.918	-5.072	-20.981	21.735	35.226	15.938	7.555
Birmingham	-2.673	21.226	-8.552	-24.673	24.332	41.294	17.814	8.067
Coventry	-0.389	16.611	-5.616	-20.222	22.923	33.665	17.588	12.819
Dudley	-2.515	19.395	-9.704	-25.544	19.626	35.344	12.33	5.643
Herefordshire, County of	2.856	25.972	-3.338	-18.341	24.514	50.694	15.744	4.582
Sandwell	-7.183	14.734	-12.806	-32.87	16.269	29.65	10.686	-1.446
Shropshire	0.527	20.151	-4.41	-21.486	27.269	43.463	20.164	14.639
Solihull	0.107	16.816	-5.022	-17.661	19.807	25.173	16.357	12.917
Staffordshire	-1.785	18.46	-6.55	-27.124	25.743	40.262	18.884	14.081
Stoke-on-Trent	15.985	34.781	7.28	2.725	11.49	26.029	6.474	-8.429
Telford and Wrekin	-3.568	14.376	-8.391	-23.622	6.689	16.407	4.662	-14.752
Walsall	0.285	18.5	-6.294	-19.507	21.815	37.715	13.855	9.499

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Warwickshire	0.566	20.013	-4.147	-24.369	25.689	36.754	19.763	16.864
Wolverhampton	0.662	24.868	-5.454	-25.393	11.616	19.421	8.455	-3.6
Worcestershire	12.895	35.227	4.218	-5.463	18.518	24.219	15.95	5.94
Yorkshire and the Humber	14.391	32.227	6.625	1.544	7.114	22.561	2.977	-16.445
Barnsley	11.555	32.642	2.209	-4.584	13.831	31.502	7.09	-8.956
Bradford	8.482	26.681	2.103	-7.056	4.492	22.783	-0.533	-20.627
Calderdale	3.755	12.968	0.345	-8.924	12.923	24.791	9.174	-4.55
Doncaster	9.351	30.258	1.047	-10.823	11.295	35.135	2.263	-14.309
East Riding of Yorkshire	13.254	26.771	6.868	2.363	6.505	22.836	2.521	-18.176
Kingston upon Hull, City of	25.168	43.728	15.217	16.9	-0.633	16.161	-3.795	-28.573
Kirklees	7.176	24.127	0.522	-8.495	11.482	31.597	5.052	-11.014
Leeds	12.938	26.016	7.359	1.547	9.065	20.886	5.83	-11.59
North East Lincolnshire	17.655	32.934	10.043	9.009	6.222	22.609	2.549	-18.458
North Lincolnshire	4.843	22.332	-0.557	-12.339	5.531	27.159	0.112	-21.419
North Yorkshire	13.58	30.428	6.87	0.007	14.47	29.717	9.744	-6.932
Rotherham	8.117	28.869	0.06	-11.742	7.244	22.922	1.642	-15.147
Sheffield	14.675	30.11	7.294	3.906	12.505	27.648	7.178	-9.199
Wakefield	13.211	31.319	5.704	-2.916	0.337	14.88	-2.928	-28.027
York	17.511	24.215	12.95	16.566	0.007	12.812	-1.085	-24.333
Northern Ireland	-2.855	23.294	-4.792	-33.777	13.791	26.05	10.681	-5.286
Scotland	3.461	10.133	1.143	-15.233	19.839	35.106	12.546	5.235
Wales	16.825	41.012	2.81	-0.35	24.918	44.766	15.424	5.724
Latin America and Caribbean	-13.497	-11.937	-11.829	-21.237	-5.934	7.584	-8.094	-27.844
Andean Latin America	-30.898	-29.119	-31.846	-34.463	-25.915	-9.832	-28.488	-48.09
Bolivia	-8.432	-8.969	-6.814	-14.305	-42.352	-34.4	-42.649	-60.597
Ecuador	-40.353	-39.848	-44.446	-32.875	40.697	38.041	35.401	55.381
Peru	-34.727	-31.575	-37.034	-40.418	-32.372	-8.145	-38.907	-60.61
Caribbean	-15.713	-13.215	-14.403	-17.271	-7.839	0.818	-8.291	-11.552
Antigua and Barbuda	9.841	20.05	7.772	-9.176	62.416	66.427	50.492	99.851
The Bahamas	-3.454	11.297	-5.04	-23.048	14.278	12.676	13.737	20.276
Barbados	0.131	10.394	-3.042	-20.809	13.593	20.124	11.112	-4.664
Belize	26.692	36.801	-2.389	-3.402	19.861	41.551	10.492	-28.512
Bermuda	-14.376	-14.262	-10.041	-30.811	22.267	28.353	17.417	22.212
Cuba	-13.503	-18.129	-4.815	-31.85	35.611	74.215	17.062	-5.791
Dominica	34.067	56.008	18.02	-3.604	126.897	157.558	86.778	159.748
Dominican Republic	-32.39	-34.242	-36.119	-27.804	13.978	24.149	-1.77	-6.719
Grenada	43.637	76	13.609	-16.113	21.174	42.591	5.53	-4.364
Guyana	-4.141	-1.146	-3.357	-29.28	33.123	30.112	27.625	33.605
Haiti	-18.784	-21.593	-15.277	-23.781	-33.864	-35.551	-32.255	-44.98
Jamaica	-10.788	0.123	-15.785	-40.487	26.182	22.394	25.573	54.107
Puerto Rico	1.368	10.839	2.141	-25.849	115.194	48.407	17.424	789.048
Saint Lucia	13.117	30.431	-0.673	-22.159	6.102	25.56	-1.534	-33.109
Saint Vincent and the Grenadines	6.03	15.264	-2.382	-28.474	17.373	28.529	6.353	-15.81
Suriname	-7.39	-1.713	-6.427	-27.49	4.747	8.856	2.039	-10.933
Trinidad and Tobago	54.922	83.378	38.28	33.122	-4.013	-5.564	-6.501	-5.399
Virgin Islands, U.S.	24.821	39.29	19.195	10.979	25.682	29.575	19.098	38.183
Central Latin America	-6.845	-6.538	-4.918	-12.898	0.173	9.983	-0.396	-21.469
Colombia	5.108	5.198	-1.28	-0.244	15.721	41.45	16.242	-34.523
Costa Rica	14.654	29.495	2.996	-15.355	29.099	64.512	9.454	-9.606
El Salvador	-32.07	-19.418	-46.381	-55.921	19.15	81.589	-13.413	-64.496
Guatemala	-10.902	-0.51	-37.01	-29.03	10.986	16.669	18.163	8.149
Honduras	-9.19	-21.774	-13.592	20.098	-10.693	-6.767	-25.313	-40.212
Mexico	-7.978	-15.05	5.153	-12.904	-4.186	-1.091	-3.267	-19.384
Aguascalientes	-0.994	-5.253	5.155	-11.908	-0.216	9.69	-2.939	-16.952
Baja California	4.409	9.367	6.98	-9.576	-10.091	-9.604	-3.295	-24.297
Baja California Sur	11.899	12.325	12.981	4.581	-1.792	9.019	-3.149	-20.7
Campeche	-11.501	-9.252	-6.918	-34.161	-7.917	-2.489	-7.346	-28.516
Chiapas	-13.216	-24.817	10.287	16.638	-17.729	-19.163	-13.906	-35.263
Chihuahua	-12.789	-13.668	-1.996	-24.946	11.039	3.97	13.609	8.456
Coahuila	-11.277	-13.822	-5.164	-24.952	2.087	5.312	0.756	-9.745
Colima	-17.62	-17.41	-8.875	-34.663	-15.191	-0.691	-17.248	-36.505
Mexico City	38.487	49.413	33.763	24.975	25.699	22.701	21.725	49.052
Durango	-11.121	-17.434	-0.018	-27.438	-2.426	12.198	-8.678	-27.489
Guanajuato	-2.619	-13.495	12.376	-7.783	-5.649	-3.996	-3.9	-25.901

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Guerrero	-8.738	-15.143	0.675	-17.986	-18.298	-23.226	-9.71	-37.524
Hidalgo	11.933	-1.673	11.56	5.046	-7.537	2.786	-13.633	-37.976
Jalisco	9.912	9.655	10.899	-7.043	-8.797	3.731	-9.044	-32.054
Mexico	-10.893	-11.386	5.763	-29.022	1.412	1.397	5.967	-8.25
Michoacan de Ocampo	0.158	-12.097	9.666	-8.747	-1.408	1.186	-0.459	-25.251
Morelos	8.59	6.873	12.876	-4.94	0.446	0.018	-1.039	-4.376
Nayarit	-5.83	-8.487	1.074	-24.909	-16.982	-3.193	-17.384	-41.793
Nuevo Leon	-19.031	-26.146	-9.82	-21.514	-18.868	-15.242	-17.515	-30.178
Oaxaca	-12.94	-25.335	12.055	15.85	4.981	-4.924	11.244	-0.091
Puebla	-10.684	-25.431	13.929	7.622	7.162	-1.336	5.803	1.217
Queretaro	0.844	2.419	2.304	-18.934	14.242	16.349	11.975	7.234
Quintana Roo	-14.896	-13.678	-10.355	-29.705	-28.959	-20.646	-25.93	-49.297
San Luis Potosi	14.648	5.694	19.846	11.05	12.64	14.422	7.022	-0.042
Sinaloa	-7.722	-3.596	-4.392	-28.552	-6.887	13.42	-12.977	-29.583
Sonora	-5.504	-10.75	3.337	-13.465	-13.408	0.566	-14.03	-35.765
Tabasco	-20.509	-26.426	-11.06	-33.811	3.571	12.909	-1.766	-16.798
Tamaulipas	-22.826	-20.523	-14.01	-42.579	7.013	17.645	2.909	-8.176
Tlaxcala	2.566	0.382	4.879	-11.904	18.369	16.65	17.326	4.166
Veracruz de Ignacio de la Llave	-18.667	-32.388	1.432	-13.216	-8.851	-0.515	-17.847	-30.244
Yucatan	12.78	11.153	13.072	0.717	16.45	23.869	7.83	9.22
Zacatecas	-3.621	-12.988	3.13	-15.657	-10.371	-3.587	-11.585	-34.689
Nicaragua	-1.048	-0.647	-2.402	-21.938	-28.597	-22.29	-29.383	-65.05
Panama	28.419	73.311	-5.194	-5.581	21.74	51.17	10.508	-3.439
Venezuela	10.64	29.342	-0.528	-14.17	-1.459	4.55	-2.397	-6.231
Tropical Latin America	-12.281	-12.909	-7.142	-25.378	-6.172	7.473	-8.653	-36.631
Brazil	-12.248	-13.274	-6.767	-25.075	-3.571	10.571	-6.878	-33.671
Acre	-3.102	-4.428	-7.819	-24.816	5.213	31.228	-12.088	-43.772
Alagoas	-25.801	-30.492	-14.1	-40.147	-39.23	-36.443	-39.338	-68.51
Amapa	11.643	12.006	5.722	-3.073	70.971	120.535	36.668	36.757
Amazonas	-33.766	-36.678	-29.104	-42.774	13.435	35.112	0.982	-23.147
Bahia	-14.925	-23.141	-7.932	-24.323	-4.306	6.685	-13.366	-46.02
Ceara	-27.965	-27.104	-22.057	-53.419	-16.565	-7.752	-19.999	-61.601
Distrito Federal	1.006	7.775	3.026	-10.946	11.566	16.091	13.332	1.581
Espirito Santo	-0.089	2.006	-4.793	-14.518	28.118	46.153	18.352	-1.63
Goias	-4.738	-0.192	-11.276	-32.591	45.44	84.786	22.531	-8.348
Maranhao	-12.82	-20.724	-0.943	-28.389	-34.403	-31.997	-37.854	-67.352
Mato Grosso	-14.847	-9.408	-16.277	-35.909	9.236	32.043	2.466	-22.992
Mato Grosso do Sul	52.581	67.866	32.802	22.684	29.312	52.344	17.06	-0.144
Minas Gerais	15.422	14.964	10.103	5.104	10.013	27.137	-0.313	-19.77
Para	-26.163	-31.694	-8.206	-37.258	-9.185	-3.019	-15.432	-32.854
Paraiba	-23.567	-23.617	-21.434	-45.055	-10.495	-1.254	-19.046	-52.415
Parana	-0.064	0.73	-2.11	-15.092	23.42	36.343	15.814	-2.58
Pernambuco	-27.059	-31.77	-17.047	-39.936	-17.272	-12.944	-17.875	-57.342
Piaui	-10.358	-14.009	-7.062	-32.009	-11.061	-7.171	-18.737	-54.098
Rio de Janeiro	-20.171	-23.103	-15.077	-18.925	-29.404	-21.005	-26.836	-47.943
Rio Grande do Norte	-26.855	-26.62	-23.463	-48.471	-3.886	10.124	-11.58	-51.521
Rio Grande do Sul	11.702	11.149	6.144	6.037	24.252	39.582	17.916	-11.48
Rondonia	-12.416	-20.042	-4.974	-26.59	30.576	56.093	12.264	-20.754
Roraima	-4.313	-7.563	-2.179	-18.225	47.645	98.045	19.823	-4.274
Santa Catarina	7.953	18.462	-0.228	-10.388	13.442	27.366	11.6	-16.095
Sao Paulo	13.484	27.688	2.788	-0.062	7.538	12.71	12.069	-17.777
Sergipe	-25.426	-27.807	-18.068	-39.593	-12.822	-0.886	-18.823	-41.244
Tocantins	-16.384	-14.345	-14.7	-41.798	16.818	53.203	-4.643	-40.609
Paraguay	-12.257	-5.695	-16.612	-33.142	-0.362	36.936	-14.43	-75.113
North Africa and Middle East	10.574	27.504	-1.078	-19.946	-6.093	0.093	-10.546	6.299
North Africa and Middle East	10.574	27.504	-1.078	-19.946	-6.093	0.093	-10.546	6.299
Afghanistan	-35.143	-35.798	-34.91	-31.845	-34.082	-42.101	-13.617	-46.17
Algeria	48.566	66.162	16.19	38.746	-1.142	6.406	-2.549	-19.051
Bahrain	15.106	-6.702	10.835	55.137	-4.144	25.431	-5.634	-39.812
Egypt	-32.049	-32.694	-20.98	-40.178	-15.264	-11.276	-9.774	-33.135
Iran	0.858	4.947	10.828	-31.89	-18.024	32.484	-30.025	-45.44
Iraq	-7.693	-5.499	-6.884	-29.756	76.395	27.112	-2.567	285.72
Jordan	24.969	-4.825	42.252	43.751	18.554	67.735	-9.524	5.156
Kuwait	-39.563	-8.392	-10.067	-75.57	18.746	79.342	-0.873	-9.078

eTable 3c: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for 1-4 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Lebanon	17.339	45.836	30.024	-51.341	36.198	80.326	7.041	36.074
Libya	46.446	37.402	39.365	66.288	-13.023	-3.725	-28.217	16.265
Morocco	-5.618	-6.945	9.658	-26.298	3.052	0.281	10.519	-22.081
Palestine	20.197	14.965	-29.793	52.083	-9.522	26.025	-0.772	-70.971
Oman	-5.921	23.19	-26.956	-38.73	65.856	129.574	35.841	46.959
Qatar	21.06	38.96	-0.718	27.331	-8.486	9.983	-15.37	-18.327
Saudi Arabia	45.391	55.029	4.409	-0.039	17.752	83.057	-16.958	14.111
Sudan	-9.146	-3.987	-25.124	-36.034	5.565	3.484	-1.43	-31.474
Syria	23.958	0.482	31.735	29.2	356.886	201.274	-5.279	1633.333
Tunisia	14.007	15.31	-7.271	-10.705	3.308	80.992	-22.706	-39.635
Turkey	22.068	24.847	19.536	10.137	-11.004	-11.998	-9.706	-23.311
United Arab Emirates	20.942	45.712	2.895	17.406	26.44	30.455	22.786	30.961
Yemen	-4.607	-1.426	-12.89	-30.426	19.592	5.76	1.804	54.676
South Asia	5.124	9.874	-4.05	-7.302	-4.973	12.453	-3.084	-34.065
South Asia	5.124	9.874	-4.05	-7.302	-4.973	12.453	-3.084	-34.065
Bangladesh	-13.985	-22.99	-19.453	1.075	-30.806	-23.276	-5.966	-63.826
Bhutan	11.96	4.267	13.97	39.568	-32.816	-6.215	-48.982	-71.374
India	6.716	13.341	-7.239	-12.187	-0.502	21.183	-5.553	-19.731
Andhra Pradesh	5.184	11.067	-5.821	-22.597	0.348	22.978	-9.99	-49.324
Arunachal Pradesh	-0.271	5.209	-7.632	-18.63	-15.308	7.956	-19.195	-48.746
Assam	4.511	13.051	-10.703	-24.633	36.372	51.387	40.015	49.443
Bihar	-28.471	-30.217	-17.362	-18.408	-16.923	-11.473	-17.247	-28.274
Chhattisgarh	17.539	21.098	10.222	2.874	-4.32	8.56	-1.537	-27.59
Delhi	30.772	48.487	21.583	35.352	22.592	77.466	21.052	21.886
Goa	38.497	51.868	38.669	49.543	45.261	115.316	17.832	38.535
Gujarat	6.666	14.732	-5.001	-14.379	-1.28	26.754	-13.948	-20.173
Haryana	23.801	31.567	11.15	9.865	15.738	61.874	-4.18	-22.632
Himachal Pradesh	19.112	29.33	9.05	-5.81	97.921	178.628	54.302	99.842
Jammu and Kashmir	-1.291	-6.124	-7.121	44.052	9.16	50.758	7.211	-55.731
Jharkhand	-4.452	-4.723	3.245	-2.663	0.967	11.724	4.328	-24.783
Karnataka	7.038	15.222	-11.689	-17.613	17.966	48.198	-0.995	-22.689
Kerala	14.827	25.562	-0.651	-6.805	48.01	132.652	1.737	-17.748
Madhya Pradesh	-8.977	-5.188	-15.301	-26.438	-22.183	-14.953	-18.609	-31.459
Maharashtra	5.599	15.583	-4.762	-22.555	39.925	91.959	12.154	23.37
Manipur	14.618	21.972	9.858	1.778	12.573	32.663	23.181	12.034
Meghalaya	27.607	36.231	11.88	7.613	43.879	81.717	38.054	34.029
Mizoram	21.322	37.636	0.856	-9.505	58.663	110.112	42.036	68.11
Nagaland	29.423	42.101	16.72	0.302	79.251	157.505	42.759	78.247
Odisha	23.074	28.707	6.484	7.926	26.669	43.854	20.139	26.771
Punjab	21.136	33.665	10.965	-13.767	30.633	69.148	25.37	26.897
Rajasthan	-12.417	-8.43	-19.431	-30.648	-6.303	6.048	-5.606	-25.862
Sikkim	8.235	13.489	15.833	-15.045	77.447	161.704	47.596	36.435
Tamil Nadu	-7.893	-2.193	-17.648	-26.439	1.137	51.154	-26.763	-52.107
Telangana	25.433	28.806	15.343	17.87	22.553	72.084	-7.516	-48.635
Tripura	-18.148	-16.291	-18.257	-20.167	41.203	70.683	31.788	-11.478
Uttar Pradesh	-4.713	-0.042	-19.847	-22.229	-18.104	-7.412	-18.966	-32.404
Uttarakhand	16.077	18.663	16.327	18.529	67.615	137.163	46.195	23.961
West Bengal	-6.248	-2.575	-6.421	-22.645	-10.032	-1.92	-3.774	-24.592
Union Territories other than Delhi	20.77	29.376	11.55	11.475	119.276	212.222	74.65	118.348
Nepal	-38.952	-37.617	-34.13	-50.985	-30.883	-32.268	-2.578	-44.579
Pakistan	2.192	1.463	23.593	3.701	-12.271	-6.726	1.331	-31.96
Southeast Asia, East Asia, and Oceania	24.501	42.795	13.773	-2.958	-8.684	13.55	-7.957	-27.452
East Asia	46.687	70.625	22.375	12.369	-16.144	-7.027	-13.773	-27.795
China	38.149	42.109	23.976	13.853	-9.826	12.435	-15.335	-29.907
North Korea	460.167	839.977	14.073	28.199	-81.389	-90.547	0.706	-6.106
Taiwan	9.393	55.108	16.134	-17.27	7.247	46.951	17.016	-40.724
Oceania	2.635	2.436	6.924	-6.382	-7.225	-9.794	-4.632	-3.424
American Samoa	2.605	5.935	5.983	-5.894	11.92	21.31	11.13	0.638
Federated States of Micronesia	13.29	27.539	-3.158	-9.415	-13.89	-23.081	9.639	0.841
Fiji	43.632	40.819	41.597	75.924	20.07	34.368	11.698	12.023
Guam	13.69	23.048	11.663	4.631	39.149	51.629	30.294	47.534
Kiribati	-16.705	-21.187	-4.127	-7.561	-31.461	-30.554	-34.758	-36.705
Marshall Islands	54.83	69.936	26.382	34.497	6.956	8.366	11.577	1.929
Northern Mariana Islands	-3.121	-2.982	2.111	-10.286	12.789	15.24	11.16	10.968

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Papua New Guinea	6.616	7.449	5.887	-10.119	1.899	0.274	-4.195	-0.01
Samoa	-15.652	-21.715	-3.219	-20.274	10.163	31.102	-6.934	-14.738
Solomon Islands	10.132	-0.418	19.683	47.388	-4.957	-7.135	-0.959	-21.859
Tonga	16.065	11.009	21.553	22.457	18.722	34.388	10.201	2.9
Vanuatu	12.814	1.628	28.323	59.608	22.109	24.797	13.196	9.061
Southeast Asia	-3.458	6.097	0.398	-18.648	-13.957	-0.222	-6.354	-29.081
Cambodia	-9.79	-8.117	-10.699	-27.7	-14.322	-18.694	5.973	-40.012
Indonesia	-8.504	6.494	-11.53	-30.986	-18.301	5.844	-16.671	-44.896
Laos	-8.161	-5.825	-11.814	-17.766	-12.307	-7.778	-5.432	-26.884
Malaysia	11.176	29.347	4.811	3.64	34.551	96.679	4.423	-27.146
Maldives	-4.652	-2.099	-19.128	-30.881	-5.404	14.986	-18.854	-40.025
Mauritius	13.356	14.14	6.192	12.206	50.776	105.483	19.237	33.759
Myanmar	0.546	-1.887	7.085	-6.844	-8.602	-4.454	-20.699	-23.952
Philippines	-31.587	-36.42	-3.919	-17.22	2.339	6.579	12.039	-4.205
Sri Lanka	-11.906	-6.273	-12.041	-30.239	3.058	25.745	10.034	-52.891
Seychelles	17.78	10.73	24.188	50.112	27.844	43.977	21.762	11.898
Thailand	28.508	28.294	23.857	42.359	14.959	26.357	11.711	7.053
Timor-Leste	-26.668	-26.244	-25.983	-34.717	9.029	22.562	-2.321	-34.492
Vietnam	-3.613	-2.967	-0.963	-19.121	2.03	1.894	10.071	-21.631
Sub-Saharan Africa	2.809	6.399	-8.992	-9.175	-18.998	-14.312	-2.469	-25.254
Central Sub-Saharan Africa	3.275	5.211	-1.688	-4.453	-1.491	7.641	-2.598	-25.387
Angola	1.539	1.528	5.087	-5.915	-23.937	-12.293	-31.543	-57.875
Central African Republic	39.785	48.215	3.18	11.644	28.724	27.931	22.081	31.906
Congo	61.165	79.916	20.286	26.819	-13.043	14.116	-21.891	-46.327
Democratic Republic of the Congo	-20.011	-20.844	-14.558	-18.61	-11.341	-12.555	2.221	-14.97
Equatorial Guinea	74.647	102.761	5.405	-13.773	41.97	138.721	-2.926	-29.688
Gabon	18.463	50.585	-19.258	-32.665	35.754	72.633	41.442	52.739
Eastern Sub-Saharan Africa	-8.751	-6.733	-18.007	-17.388	-26.281	-26.076	-3.278	-41.753
Burundi	16.761	10.978	-15.967	207.328	-58.431	-57.518	-31.333	-82.213
Comoros	4.013	11.454	-18.63	-30.916	-31.132	-35.509	-6.543	-20.64
Djibouti	21.148	22.999	19.412	5.133	-32.57	-25.118	-41.865	-52.442
Eritrea	-16.726	12.389	20.185	-84.209	-31.306	-31.589	-1.334	-52.677
Ethiopia	-10.754	-11.391	-21.619	5.169	-30.907	-28.746	-5.885	-67.932
Kenya	34.452	48.287	-7.988	-4.262	-26.617	-21.912	-0.339	-20.478
Baringo	11.673	21.546	-20.479	-25.125	-52.358	-50.559	-44.18	-50.537
Bomet	-5.245	0.584	-15.428	-42.387	13.136	19.381	41.671	60.418
Bungoma	-6.075	2.283	-30.78	-42.247	6.122	11.649	27.938	24.437
Busia	46.662	59.08	-5.276	-12.635	-57.064	-56.63	-26.286	-43.865
Elgeyo-Marakwet	-2.728	2.84	-14.846	-22.721	66.675	88.233	57.198	26.252
Embu	15.02	23.85	2.286	-7.109	61.966	80.824	68.649	89.907
Garissa	0.21	6.354	-32.107	-32.692	-55.998	-58.801	-34.467	-54.794
HomaBay	115.291	137.696	20.455	32.407	-29.622	-24.938	-22.633	-33.686
Isiolo	-16.036	-14.613	-36.187	8.766	-52.702	-52.848	-45.65	-57.878
Kajiado	74.526	92.423	25.887	54.52	-36.196	-33.313	-9.684	-25.813
Kakamega	72.126	91.06	1.107	8.182	-50.87	-49.635	-29.535	-44.006
Kericho	102.869	123.864	29.886	66.017	187.321	237.681	130.737	188.413
Kiambu	44.392	65.838	0.277	-11.087	42.843	51.691	101.172	134.726
Kilifi	9.634	18.701	-22.675	-30.36	-31.68	-29.13	0.269	-25.973
Kirinyaga	52.815	63.798	23.308	36.634	57.338	74.073	71.201	76.38
Kisii	1.586	15.285	-34.683	-42.613	-48.064	-44.316	-22.331	-52.94
Kisumu	36.692	52.459	-17.492	-16.687	-43.038	-40.19	-13.282	-18.14
Kitui	40.649	52.426	-2.07	-7.528	-16.292	-10.553	3.593	-19.53
Kwale	13.05	21.246	-19.837	-24.299	-65.705	-65.91	-38.08	-60.667
Laikipia	108.999	127.297	50.857	107.244	30.4	61.041	17.925	2.333
Lamu	25.035	34.464	-3.921	-11.383	-3.207	-11.417	-0.343	177.457
Machakos	38.774	56.307	0.122	-8.145	52.859	69.398	67.856	71.54
Makueni	16.127	26.975	-24.385	-35.438	-65.853	-66.978	-34.162	-65.263
Mandera	6.287	9.511	-22.202	-10.645	-19.849	-16.25	-24.451	-50.862
Marsabit	-24.995	-23.024	-40.978	-20.024	-27.65	-25.271	-21.072	-52.929
Meru	60.868	77.868	12.887	14.929	113.172	134.482	131.524	188.505
Migori	8.283	17.447	-33.604	-31.049	-42.494	-37.743	-37.48	-52.772
Mombasa	37.701	58.19	-3.554	-10.692	-13.537	-3.052	13.148	4.61
Murang'a	54.377	70.033	19.567	27.467	91.149	95.729	118.376	178.362
Nairobi	53.973	76.157	29.615	44.852	-27.531	-18.848	3.592	1.776

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Nakuru	106.486	134.016	29.375	43.546	25.995	38.218	62.508	68.234
Nandi	47.661	63.97	3.144	-4.728	-18.454	-16.703	22.074	9.79
Narok	-7.023	-1.427	-28.734	-37.401	-46.282	-50.461	-10.206	-41.381
Nyamira	26.234	41.287	-14.103	-25.088	-51.989	-49.67	-17.447	-37.409
Nyandarua	20.692	31.268	-2.137	-12.832	160.872	209.482	108.444	180.043
Nyeri	106.69	131.951	36.015	143.053	63.824	78.594	95.85	54.41
Samburu	35.594	32.307	-3.64	248.328	-10.223	-4.827	11.968	-70.035
Siaya	58.972	74.61	-5.081	-6.712	-16.792	-8.331	-4.036	-13.746
TaitaTaveta	128.23	153.793	66.923	79.294	-8.045	1.098	8.26	1.218
TanaRiver	74.638	81.2	37.155	61.933	-1.564	-0.039	21.779	13.767
TharakaNithi	44.823	58.268	7.412	5.231	-21.066	-7.14	-16.528	-27.826
TransNzoia	77.392	97.835	7.367	11.406	33.274	45.339	66.968	68.459
Turkana	-6.762	-4.488	-36.374	15.556	-54.894	-54.809	-30.73	-74.827
UasinGishu	42.235	59.221	6.335	-4.359	16.801	30.795	33.242	29.243
Vihiga	86.094	107.946	6.811	1.112	-69.512	-71.141	-36.223	-51.921
Wajir	12.574	15.455	-17.61	6.245	-62.232	-63.751	-33.798	-77.94
WestPokot	-23.257	-19.356	-41.782	-44.037	-17.307	-12.891	1.868	-47.482
Madagascar	-28.199	-28.05	-26.155	-31.998	-18.391	-16.787	-19.885	-25.841
Malawi	-17.185	-15.216	-23.966	-35.15	-42.198	-44.517	-19.097	-40.406
Mozambique	-22.497	-20.726	-29.211	-42.921	-9.57	-8.711	-2.552	-32.723
Rwanda	34.872	37.466	27.806	17.248	-65.292	-67.722	-50.491	-64.878
Somalia	-20.63	-20.819	-11.78	-27.085	-39.218	-40.775	-36.477	-23.434
South Sudan	-23.997	-24.563	-20.884	-13.856	15.321	12.997	32.335	39.729
Tanzania	-3.333	-1.162	-9.681	-14.839	-23.07	-33.124	16.151	16.128
Uganda	-10.435	-7.698	-26.449	-25.22	-12.153	-11.206	2.09	-17.124
Zambia	-5.025	0.176	-23.27	-28.933	-27.433	-23.256	-15.826	-28.267
Southern Sub-Saharan Africa	40.27	65.429	11.505	0.778	-34.573	-25.822	-2.389	-31.413
Botswana	137.288	193.989	44.587	75.78	-38.51	-27.089	11.7	3.157
Lesotho	92.759	112.301	29.402	47.452	14.614	23.36	36.898	47.824
Namibia	21.556	34.208	7.118	18.232	-0.691	20.873	30.045	-0.16
South Africa	32.261	61.055	5.079	-4.135	-47.524	-43.583	-11.692	-40.71
Swaziland	96.825	135.019	22.953	20.697	-39.171	-34.391	-2.544	-18.355
Zimbabwe	53.222	66.048	27.489	24.951	-41.712	-46.363	-3.8	-17.03
Western Sub-Saharan Africa	3.136	6.912	-10.209	-12.267	-11.736	-5.577	0.673	-6.779
Benin	-1.335	2.624	-14.588	-24.096	6.004	11.976	-4.895	-13.971
Burkina Faso	7.983	10.631	-7.614	-12.929	-9.173	-11.422	5.348	1.987
Cameroon	12.499	17.498	-4.528	-8.411	-16.437	-6.678	-13.132	-18.456
Cape Verde	29.105	30.255	8.567	57.21	0.395	-10.253	16.977	3.04
Chad	3.968	4.387	-0.323	4.53	-4.539	-3.682	3.992	-12.685
Cote d'Ivoire	22.453	29.356	-1.024	-7.768	-8.362	-8.994	19.232	12.289
The Gambia	4.626	10.91	-19.021	-19.279	-20.928	-25.617	-5.436	-17.19
Ghana	-2.343	1.777	-4.237	-10.403	-22.317	-13.291	-13.276	-2.075
Guinea	-10.907	-8.13	-27.191	-26.48	-12.162	-8.572	-16.569	-33.968
Guinea-Bissau	-5.042	-5.185	-6.616	-9.412	-30.638	-30.533	-30.492	-43.685
Liberia	-48.969	-45.011	-53.18	-78.217	-21.184	-20.029	-14.766	-33.413
Mali	-10.239	-8.941	-18.515	-21.21	-8.736	-12.076	16.516	-8.23
Mauritania	4.55	5.214	19.998	19.766	-30.244	-28.688	-9.85	-31.835
Niger	-18.937	-17.061	-32.085	-36.584	-43.262	-44.388	-23.748	-42.963
Nigeria	2.698	6.433	-8.67	-6.848	-13	-1.412	1.015	-2.787
Sao Tome and Principe	-5.195	-8.116	-0.237	-4.895	-38.083	-40.596	-39.797	-51.187
Senegal	1.547	4.601	-7.011	-15.133	-54.772	-58.913	-32.49	-43.131
Sierra Leone	-13.229	-10.236	-34.302	-21.446	3.543	9.884	-1.916	-25.963
Togo	20.121	27.393	-8.905	-7.306	-23.575	-17.603	-27.791	-38.97

eTable 3d: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for 5-9 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Global	-1.848	11.086	-3.451	-13.915	-12.619	0.433	-4.113	-27.565
Low SDI	-7.931	-4.722	-9.893	-16.36	-12.619	-1.082	-11.21	-37.475
Low-middle SDI	2.539	15.053	-5.657	-15.149	-3.385	16.854	-3.281	-20.955
Middle SDI	-3.388	8.187	-4.696	-14.032	-5.337	23.205	-4.54	-29.642
High-middle SDI	-9.574	-5.908	-2.204	-14.153	-23.26	-18.895	-8.782	-44.522
High SDI	1.095	16.586	0.143	-23.267	22.139	51.949	11.736	4.004
Central Europe, Eastern Europe, and Central Asia	6.644	24.224	3.408	0.747	-9.028	3.573	-2.388	-28.3
Central Asia	2.763	10.569	6.85	-11.137	-0.865	14.757	0.457	-13.424
Armenia	-17.622	6.78	-4.99	-57.513	28.236	58.73	15.581	18.438
Azerbaijan	17.212	20.72	29.615	-10.339	-17.556	-18.34	-13.98	-15.145
Georgia	-30.767	-33.023	-13.624	-59.282	11.929	2.891	10.094	44.879
Kazakhstan	4.548	13.496	9.453	-4.63	-7.57	4.036	-2.027	-17.634
Kyrgyzstan	-17.484	-20.165	-1.551	-31.949	-21.017	-18.398	-9.387	-40.67
Mongolia	-5.296	3.708	-8.044	-9.335	-4.87	-13.588	-9.592	35.895
Tajikistan	-11.969	-17.001	-1.793	-17.466	4.763	11.555	8.775	-13.494
Turkmenistan	-2.544	11.513	-1.287	-17.968	-9.23	-5.547	7.977	-36.28
Uzbekistan	13.165	24.874	8.077	5.213	5.873	38.037	3.325	-21.683
Central Europe	4.372	15.673	2.899	-0.539	-2.142	16.567	-1.932	-19.655
Albania	13.277	-2.609	21.871	21.271	-12.053	1.984	-11.079	-35.866
Bosnia and Herzegovina	17.396	35.561	2.286	21.976	24.217	47.337	12.769	19.865
Bulgaria	7.847	14.432	6.041	8.156	-5.753	5.082	-1.25	-24.519
Croatia	-12.674	3.879	-7.723	-34.452	4.21	24.776	3.849	-17.057
Czech Republic	7.02	22.002	2.077	11.38	-5.445	-2.104	-1.689	-17.334
Hungary	-0.985	14.381	-3.794	-12.91	0.989	13.778	-2.373	-3.806
Macedonia	-6.674	4.136	-6.827	-19.86	15.346	28.317	9.565	17.644
Montenegro	-7.555	-1.929	-5.713	-17.536	10.368	34.585	4.975	2.238
Poland	8.083	23.551	5.415	0.887	7.069	27.328	4.837	-6.964
Romania	0.33	21.896	-3.874	-8.604	-8.415	15.719	-4.718	-35.034
Serbia	0.678	1.944	0.243	0.487	-2.434	24.639	-7.631	-23.453
Slovakia	18.698	23.821	17.76	22.057	-3.466	9.447	-3.922	-13.256
Slovenia	-0.111	12.611	1.556	-10.776	-5.999	-1.564	-2.377	-19.406
Eastern Europe	-1.915	6.772	-2.243	-4.016	-9.458	20.872	-2.128	-35.609
Belarus	-4.296	8.231	-5.33	-10.016	5.274	31.209	7.448	-13.066
Estonia	-8.19	19.972	-1.526	-25.729	-8.951	19.458	-2.59	-40.247
Latvia	-12.262	12.567	-9.519	-23.818	-8.489	22.74	-1.73	-36.058
Lithuania	-6.955	15.514	0.191	-25.612	-7.762	23.397	-3.409	-39.887
Moldova	-14.03	-4.78	-4.238	-30.411	-3.082	31.937	-5.957	-26.605
Russian Federation	2.688	8.216	-0.096	6.991	-14.621	18.232	-5.872	-41.663
Ukraine	-13.84	-1.567	-8.305	-28.778	2.859	22.805	8.838	-23.752
High-income	-7.284	-0.895	-2.377	-26.399	2.511	13.104	4.219	-18.819
Australasia	0.019	11.361	0.346	-7.823	8.546	17.3	6.96	8.317
Australia	0.238	13.651	1.192	-11.223	9.03	19.403	6.41	10.78
New Zealand	3.645	11.01	-0.659	10.627	5.296	5.916	8.161	-0.407
High-income Asia Pacific	-17.131	-7.818	-9.168	-36.49	-1.639	10.721	4.204	-32.197
Brunei	-0.598	23.367	-1.882	-12.828	7.723	18.849	7.79	2.374
Japan	-4.163	6.945	-3.73	-18.055	3.584	8.533	4.771	-9.423
Aichi	-4.478	4.176	-3.273	-18.555	5.195	11.966	5.469	-7.062
Akita	3.851	21.889	-1.223	0.753	7.452	12.845	9.44	-5.601
Aomori	-14.189	6.161	-12.445	-41.675	12.226	6.953	12.738	23.2
Chiba	-5.055	7.753	-4.413	-22.192	5.075	11.25	4.844	-4.517
Ehime	-3.5	-1.624	-3.341	-5.49	10.202	11.081	11.12	5.72
Fukui	-5.629	5.313	-2.94	-23.591	7.458	7.055	7.968	6.598
Fukuoka	5.142	23.85	1.206	-1.969	-1.969	-1.439	2.759	-19.877
Fukushima	-14.26	1.637	-10.25	-42.382	10.642	13.983	8.656	14.027
Gifu	6.616	18.581	2.432	8.896	-6.066	4.154	-1.23	-32.161
Gunma	-0.68	14.281	-2.348	-13.59	7.638	12.19	6.899	3.02
Hiroshima	-1.186	6.399	-1.516	-7.815	-4.545	3.008	-1.589	-27.008
Hokkaido	-7.72	5.806	-6.543	-24.653	-0.855	10.583	0.42	-22.841
Hyogo	-1.455	12.016	-2.567	-12.096	3.722	15.381	3.747	-13.344
Ibaraki	-1.539	10.064	-2.03	-12.139	1.263	4.402	4.476	-15.088
Ishikawa	5.609	18.616	-0.75	14.539	0.549	2.882	6.583	-21.651
Iwate	-8.175	7.397	-7.139	-27.425	12.954	24.345	9.5	11.018
Kagawa	-17.812	4.703	-10.63	-51.373	8.234	14.462	6.54	5.508
Kagoshima	-6.874	6.042	-7.221	-20.884	7.19	18.927	5.565	-4.077
Kanagawa	-7.185	3.625	-5.287	-29.209	5.849	5.908	5.455	7.438

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Kochi	-0.709	12.595	-2.735	-6.84	-0.803	8.357	1.365	-18.338
Kumamoto	-8.001	8.744	-7.196	-27.795	4.573	15.063	4.211	-10.541
Kyoto	-5.198	2.621	-4.247	-17.712	-0.003	-3.292	3.706	-9.632
Mie	-5.325	8.652	-4.859	-20.767	4.85	12.479	5.491	-8.913
Miyagi	3.833	11.451	1.67	3.108	0.245	6.929	1.864	-14.886
Miyazaki	-11.262	-0.26	-9.418	-29.289	5.825	11.805	5.192	-1.127
Nagano	4.239	7.773	2.687	6.776	-0.049	9.848	1.93	-20.591
Nagasaki	-6.647	2.525	-4.417	-23.915	-1.354	6.099	-0.198	-18.363
Nara	1.594	6.524	0.692	-1.231	2.459	9.002	3.176	-10.948
Niigata	-6.246	6.723	-4.699	-24.55	3.175	8.123	4.724	-11.231
Oita	-15.947	6.255	-13.324	-44.365	16.037	14.017	14.849	26.051
Okayama	-8.24	7.451	-7.392	-24.95	0.689	7.759	2.016	-14.446
Okinawa	-8.508	2.968	-7.792	-27.023	5.732	8.112	5.151	4.463
Osaka	-5.554	7.543	-5.166	-22.739	5.739	7.204	6.334	-0.112
Saga	-9.539	0.292	-6.591	-30.218	10.319	7.48	10.032	16.624
Saitama	-1.347	9.937	-2.292	-12.104	5.077	15.236	4.318	-8.415
Shiga	2.466	8.728	0.76	1.459	-0.949	0.21	1.969	-15.296
Shimane	-3.585	11.415	-3.566	-19.567	4.717	12.664	3.533	-1.884
Shizuoka	-4.046	14.442	-4.595	-22.324	2.593	7.528	4.351	-12.928
Tochigi	-0.301	6.387	-0.269	-7.038	-2.445	6.579	0.4	-26.328
Tokushima	-13.076	5.16	-9.777	-39.098	19.821	18.543	15.993	40.572
Tokyo	0.154	6.001	-0.682	-4.308	2.033	10.352	2.461	-13.846
Tottori	-8.507	7.047	-7.481	-23.73	6.642	18.781	6.349	-6.081
Toyama	2.281	14.46	-0.435	-1.133	6.459	17.944	7.658	-12.915
Wakayama	-6.099	15.696	-5.676	-30.496	7.375	10.97	6.875	3.88
Yamagata	1.966	15.794	-1.123	-4.563	7.502	11.13	7.247	3.153
Yamaguchi	-4.229	9.234	-3.423	-20.768	-0.082	7.19	1.106	-16.483
Yamanashi	0.988	7.12	-1.415	3.55	1.141	11.963	4.141	-22.48
South Korea	-25.047	-13.788	-14.094	-36.155	-10.192	16.933	0.896	-49.181
Singapore	-7.091	5.223	-10.368	-15.957	16.977	28.65	11.502	21.218
High-income North America	-5.747	-2.528	0.348	-26.144	5.847	21.891	6.328	-14.679
Canada	-1.259	14.491	2.292	-27.168	3.039	7.572	4.658	-15.091
Greenland	-24.877	-17.68	-12.563	-36.002	-16.867	14.767	-5.463	-40.844
United States	-5.916	-3.378	0.263	-25.818	5.873	23.283	6.163	-14.865
Alabama	-5.243	0.064	0.631	-19.696	9.315	21.686	10.485	-3.414
Alaska	-12.463	4.16	-1.882	-36.736	13.256	27.759	8.968	17.833
Arizona	-4.11	-3.103	0.686	-18.32	6.026	42.693	4.179	-22.559
Arkansas	-10.82	-8.334	-1.505	-29.292	13.578	41.989	7.871	10.155
California	-5.532	1.562	-0.376	-30.265	4.621	18.95	4.702	-18.142
Colorado	-7.845	-2.768	-1.037	-30.671	4.643	29.382	3.655	-18.257
Connecticut	-6.6	-4.326	-0.525	-32.552	1.307	11.955	3.203	-27.531
Delaware	-2.665	-6.291	2.515	-17.159	-0.333	8.929	3.276	-27.646
District of Columbia	1.373	-2.204	5.31	-4.153	-2.913	-3.821	2.001	-18.106
Florida	-9.3	3.584	-1.982	-36.355	14.251	35.363	12.388	-2.254
Georgia	-8.884	-10.095	-0.215	-27.939	8.294	20.745	10.337	-11.886
Hawaii	-5.57	-4.46	1.059	-35.772	13.029	13.276	9.667	27.407
Idaho	3.08	9.757	3.555	-2.927	-6.629	17.243	-3.809	-33.958
Illinois	-5.766	-13.678	2.692	-24.337	5.59	18.141	6.321	-14.521
Indiana	-3.446	1.325	1.614	-20.561	7.351	44.803	4.873	-17.362
Iowa	-4.31	-11.176	2.765	-19.033	0.748	34.389	-0.969	-23.931
Kansas	-9.402	-3.515	-1.499	-34.121	13.218	20.866	11.704	9.584
Kentucky	-4.792	0.566	0.668	-22.401	8.056	31.769	6.996	-10.894
Louisiana	5.88	4.821	5.579	5.651	5.53	27.844	5.611	-10.986
Maine	-5.675	-10.758	1.763	-22.433	2.019	14.378	3.725	-17.546
Maryland	-6.008	-9.275	1.556	-26.808	10.264	18.845	10.491	-3.038
Massachusetts	-1.067	8.753	2.719	-28.139	0.948	1.562	3.14	-17.506
Michigan	-2.81	4.131	1.898	-21.673	3.706	30.18	3.361	-20.597
Minnesota	-2.292	1.148	1.608	-16.333	1.719	18.77	3.685	-22.803
Mississippi	-8.177	-0.893	-1.29	-22.678	8.849	47.87	6.316	-8.513
Missouri	-2.412	2.392	1.536	-14.615	1.867	23.203	3.906	-20.411
Montana	4.006	-4.077	4.894	9.814	-5.38	17.466	-1.059	-30.503
Nebraska	-11.984	-6.32	-3.172	-33.815	-0.141	20.807	1.844	-24.263
Nevada	-6.246	-6.922	-0.886	-20.9	2.534	23.584	2.039	-16.571
New Hampshire	-7.446	0.417	-0.195	-38.444	7.519	23.09	5.51	-4.552
New Jersey	-9.213	-7.356	-1.29	-40.811	9.081	15.777	9.633	-9.703

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
New Mexico	-14.41	-9.68	-4.815	-39.497	13.04	36.546	7.595	7.904
New York	-9.659	-15.762	-0.096	-37.912	7.005	10.506	9.558	-19.299
North Carolina	-8.158	-2.533	-1.214	-27.837	5.762	18.671	7.695	-14.654
North Dakota	-15.19	2.164	-5.818	-47.796	8.201	25.317	6.217	-5.092
Ohio	-7.19	-8.794	-0.2	-27.012	4.086	18.284	5.33	-19.271
Oklahoma	-5.271	-2.1	0.252	-20.706	15.594	38.926	11.072	11.447
Oregon	-1.978	-1.215	1.829	-14.749	-3.138	15.605	-0.287	-33.832
Pennsylvania	-0.973	1.87	4.724	-20.216	1.999	25.25	3.379	-27.002
Rhode Island	4.447	1.746	5.892	-0.162	-6.162	14.365	-2.266	-44.979
South Carolina	-2.132	-3.039	1.964	-11.096	9.678	62.565	8.045	-20.806
South Dakota	-4.04	-2.793	0.947	-14.671	1.958	13.173	3.927	-10.821
Tennessee	-6.245	-14.18	1.104	-18.464	3.588	33.199	3.017	-18.395
Texas	-3.193	-0.987	0.494	-16.413	9.82	34.696	9.194	-14.254
Utah	-8.266	-13.04	-1.498	-26.792	7.298	47.039	2.286	-14.139
Vermont	-3.527	-8.188	1.416	-13.381	-1.812	16.803	1.181	-30.598
Virginia	-8.967	1.054	-1.278	-37.553	8.894	17.087	8.984	-4.253
Washington	-3.463	4.895	2.028	-27.391	-0.802	14.885	0.201	-25.614
West Virginia	9.682	1.592	9.228	15.693	2.436	36.521	2.777	-22.362
Wisconsin	-0.007	2.285	3.156	-11.572	-3.889	11.807	-0.723	-31.804
Wyoming	20.684	19.977	13.244	40.299	-13.937	9.469	-5.338	-41.576
Southern Latin America	4.723	20.336	-0.63	-4.58	9.113	22.098	5.965	-4.557
Argentina	6.958	25.266	-0.985	1.47	8.146	21.22	5.436	-5.687
Chile	2.024	14.442	1.054	-16.038	11.698	26.057	7.616	-4.228
Uruguay	3.09	15.213	-0.651	-7.325	5.689	10.805	3.802	-5.693
Western Europe	-2.447	9.785	-1.506	-21.043	1.265	9.63	2.005	-18.628
Andorra	-3.675	-3.177	-1.473	-15.913	-0.371	5.657	0.054	-13.677
Austria	-1.935	18.704	-1.254	-23.768	9.851	36.249	6.43	-14.876
Belgium	-6.655	5.429	-3.736	-22.978	5.182	13.867	7.042	-11.143
Cyprus	6.596	22.263	2.411	4.744	-4.02	9.756	-0.578	-32.333
Denmark	-5.022	11.183	-1.644	-30.424	3.667	27.64	0.207	-11.494
Finland	-3.077	4.366	-0.759	-18.543	4.734	13.596	5.219	-11.347
France	-0.049	7.352	0.151	-11.264	4.179	20.505	4.001	-15.413
Germany	-7.977	8.305	-3.616	-35.523	3.709	10.217	5.216	-17.102
Greece	-0.205	-4.21	0.515	-3.343	6.235	22.574	3.158	-2.192
Iceland	-9.79	-8.092	-6.846	-26.084	5.584	4.355	6.604	-3.214
Ireland	5.027	12.612	4.13	-4.675	0.506	11.582	1.076	-22.174
Israel	-4.855	-3.513	-2.198	-16.153	1.709	18.762	1.387	-21.047
Italy	-2.224	8.107	-3.165	-15.647	-0.989	-2.419	1.927	-20.972
Luxembourg	-6.128	8.99	-2.709	-33.005	-0.365	3.944	1.452	-18.783
Malta	1.003	23.509	-3.581	-17.722	12.409	-4.2	14.296	33.992
Netherlands	-2.193	4.957	0.905	-24.261	-1.938	4.261	-0.594	-22.967
Norway	-0.501	7.451	2.322	-16.564	-2.369	12.814	-0.948	-28.189
Portugal	-0.769	20.661	-0.609	-19.199	-10.244	9.276	-6.173	-49.725
Spain	0.525	5.908	-0.434	-7.861	-2.439	12.711	-1.728	-29.823
Sweden	6.182	25.701	3.09	-5.421	6.611	3.753	8.186	-2.315
Stockholm	7.457	13.81	6.705	1.481	7.119	1.374	9.507	0.592
Sweden except Stockholm	5.348	27.819	1.823	-7.83	6.203	4.252	7.594	-3.975
Switzerland	-10.634	-9.504	-3.782	-33.917	-1.745	14.622	0.069	-33.211
United Kingdom	3.188	20.201	-0.351	-15.641	5.649	15.851	2.093	-1.952
England	4.427	24.964	-0.122	-14.618	4.116	13.147	1.203	-4.479
East Midlands	8.102	34.476	2.176	-11.041	1.427	19.325	-2.996	-14.767
Derby	19.898	50.034	8.617	21.159	-10.41	3.593	-11.733	-35.416
Derbyshire	3.894	38.151	-1.708	-29.126	10.995	24.672	4.153	16.397
Leicester	-5.72	18.095	-7.116	-33.625	0.866	12.2	-2.472	-10.79
Leicestershire	8.017	24.84	2.444	0.155	1.395	28.367	-3.698	-21.708
Lincolnshire	14.168	34.611	7.088	6.087	4.46	19.338	0.452	-8.74
Northamptonshire	9.559	29.956	4.72	-5.625	2.783	34.022	-3.804	-20.785
Nottingham	12.247	46.189	5.949	-7.996	-6.501	7.551	-8.114	-29.096
Nottinghamshire	6.386	34.63	0.609	-18.099	-2.271	12.827	-6.405	-18.378
Rutland	5.62	34.32	1.444	-18.717	4.57	24.41	-0.368	-11.847
East of England	0.731	5.382	0.038	-13.804	5.545	11.112	2.825	2.004
Bedford	-1.462	15.134	-3.595	-22.451	1.472	13.648	-1.125	-14.353
Cambridgeshire	4.383	17.389	1.902	-12.743	9.591	2.009	9.986	16.575
Central Bedfordshire	-3.93	13.346	-4.829	-32.904	4.691	8.063	2.728	0.671
Essex	-1.719	-0.775	-0.127	-20.142	0.351	9.324	-2.615	-9.661

eTable 3d: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for 5-9 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Hertfordshire	-3.127	2.375	-3.623	-19.151	6.895	4.762	5.741	11.703
Luton	12.215	24.451	6.888	8.364	4.812	17.867	1.493	-9.338
Norfolk	3.131	2.596	2.661	-5.752	6.974	21.424	1.834	0.659
Peterborough	6.344	13.256	4.107	-2.398	0.381	-0.317	0.503	-8.418
Southend-on-Sea	3.162	8.913	0.767	-7.998	12.289	18.672	8.052	14.739
Suffolk	3.43	2.716	2.378	-0.798	10.175	20.694	4.672	14.971
Thurrock	1.81	1.929	1.683	-6.177	-4.294	-3.791	-3.789	-15.313
Greater London	2.976	22.8	0.512	-17.674	6.652	19.128	3.626	-5.79
Barking and Dagenham	4.121	33.651	-2.363	-21.328	10.621	35.243	2.31	0.332
Barnet	3.905	24.719	0.184	-17.634	8.861	19.348	4.955	5.319
Bexley	10.595	29.448	4.677	-2.829	10.534	22.888	5.634	6.385
Brent	-1.67	16.506	-3.2	-24.908	4.503	21.366	0.22	-8.158
Bromley	1.85	21.584	-2.612	-18.248	7.316	2.61	6.813	15.63
Camden	-12.731	4.618	-9.337	-43.277	2.946	4.843	3.767	-8.233
Croydon	0.31	23.843	-3.109	-27.66	8.995	40.235	-0.21	3.721
Ealing	14.126	35.623	7.041	8.341	-4.622	2.89	-5.381	-22.746
Enfield	7.25	30.42	1.442	-9.191	9.951	25.226	5.023	2.767
Greenwich	2.812	26.733	-0.771	-21.701	-3.445	17.837	-7.872	-24.384
Hackney	-8.719	10.241	-7.368	-37.917	8.037	18.909	4.444	2.791
Hammersmith and Fulham	-0.785	16.261	-1.354	-22.062	-3.306	-4.458	-1.124	-17.871
Haringey	16.379	38.143	8.914	16.899	-10.872	3.265	-9.82	-42.151
Harrow	18.255	46.003	8.683	17.897	2.091	22.821	-2.009	-20.13
Havering	7.425	21.428	2.492	-2.793	10.869	28.979	4.774	3.818
Hillingdon	14.983	37.307	9.437	7.423	18.801	37.125	14.677	6.589
Hounslow	-2.318	18.352	-3.176	-25.877	-2.904	7.756	-3.809	-22.573
Islington	-0.394	18.355	0.445	-24.982	2.856	7.796	2.966	-9.454
Kensington and Chelsea	-12.644	-7.396	-7.05	-42.308	7.079	39.7	1.402	-11.947
Kingston upon Thames	5.132	26.2	1.445	-17.162	12.596	17.504	9.533	18.686
Lambeth	-5.954	11.938	-3.808	-35.296	7.811	33.331	2.575	-8.639
Lewisham	5.288	28.299	0.233	-12.405	4.683	28.779	-1.706	-11.074
Merton	4.707	35.218	-0.164	-19.107	3.703	17.113	0.695	-12.267
Newham	5.243	34.003	-1.551	-14.852	6.756	16.094	2.469	3.133
Redbridge	-3.237	15.678	-5.53	-27.718	10.716	41.459	2.34	-2.363
Richmond upon Thames	3.698	18.688	1.498	-17.489	23.065	28.261	18.802	38.214
Southwark	-8.999	8.249	-7.323	-38.605	9.625	11.623	8.172	9.767
Sutton	1.26	7.965	-0.241	-14.237	11.782	19.051	7.556	17.881
Tower Hamlets	2.073	19.185	0.729	-18.615	9.939	23.903	6.171	1.117
Waltham Forest	25.317	35.654	16.798	40.833	-7.112	24.04	-11.429	-37.71
Wandsworth	2.857	21.6	1.585	-20.948	4.355	15.724	2.033	-8.511
Westminster	4.114	31.014	2.396	-15.564	-11.56	-4.741	-8.481	-39.498
North East England	1.67	16.846	-1.328	-19.422	7.31	44.19	-2.436	-11.561
County Durham	4.834	18.605	2.793	-21.458	6.112	45.475	-4.847	-12.573
Darlington	-0.272	8.613	-2.781	-16.737	14.162	50.31	3.026	4.519
Gateshead	3.356	10.542	-0.176	-6.404	16.005	61.129	3.608	-2.004
Hartlepool	12.209	14.59	7.023	19.587	-4.904	31.09	-11.611	-36.062
Middlesbrough	7.322	13.346	5.089	-4.326	2.376	33.309	-5.127	-15.753
Newcastle upon Tyne	-3.382	23.082	-6.453	-30.572	2.994	25.009	-2.5	-13.66
North Tyneside	-6.202	0.36	-6.814	-26.49	12.945	55.811	1.017	-0.345
Northumberland	0.58	30.385	-3.371	-26.725	-0.115	33.448	-7.922	-24.672
Redcar and Cleveland	0.268	12.045	-2.543	-18.272	17.552	53.943	5.998	5.711
South Tyneside	6.697	22.47	0.915	-8.251	8.204	31.566	0.249	-7.338
Stockton-on-Tees	-2.756	19.884	-6.48	-27.788	8.173	44.31	-1.789	-8.333
Sunderland	-1.294	13.331	-3.202	-25.186	10.733	54.188	-0.376	-9.401
North West England	4.123	25.277	-0.573	-17.782	0.99	1.498	0.302	-2.814
Blackburn with Darwen	6.299	17.955	2.634	-5.338	-0.398	12.628	-3.469	-19.011
Blackpool	-4.566	22.957	-5.077	-39.196	-18.052	-15.217	-16.745	-39.072
Bolton	-6.115	10.388	-7.046	-33.528	2.081	5.627	-0.077	-1.141
Bury	-7.139	8.174	-8.694	-33.961	5.665	17.956	0.21	5.409
Cheshire East	2.159	31.346	-3.484	-27.756	1.333	-15.361	7.01	12.185
Cheshire West and Chester	5.73	30.84	0.649	-17.901	3.666	-3.996	5.142	7.275
Cumbria	-0.791	16.228	-3.059	-25.454	0.392	9.122	-2.41	-9.966
Halton	4.498	28.678	-1.952	-15.746	9.637	4.572	9.963	14.876
Knowsley	12.88	35.551	4.053	1.393	5.789	1.865	5.557	11.2
Lancashire	7.506	36.952	0.777	-17.098	3.509	0.103	3.786	5.287
Liverpool	4.952	40.136	-1.495	-24.647	-1.592	-12.447	1.917	-0.726

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Manchester	2.886	20.01	-0.325	-13.837	-0.054	4.426	-0.828	-12.097
Oldham	16.575	31.624	8.645	19.513	-9.097	-7.543	-8.579	-27.981
Rochdale	0.109	8.309	-1.762	-19.836	-3.028	3.904	-6.353	-9.131
Salford	8.356	36.658	1.033	-10.425	-6.671	-11.353	-4.12	-16.63
Sefton	5.989	30.228	-0.55	-17.783	3.594	7.563	0.873	6.164
St Helens	-1.125	22.97	-4.608	-29.97	-2.747	3.209	-4.532	-15.511
Stockport	12.754	26.697	6.661	7.918	-6.188	-9.347	-5.066	-11.802
Tameside	5.747	22.574	-0.245	-9.47	4.787	3.031	2.928	12.624
Trafford	-1.241	18.775	-4.052	-24.465	1.994	6.128	0.514	-4.898
Warrington	3.202	26.499	-1.068	-19.43	-0.031	11.245	-3.155	-12.91
Wigan	5.474	15.187	2.294	-7.596	-5.688	-11.443	-3.274	-11.565
Wirral	9.664	25.44	4.662	-6.7	-1.297	4.006	-3.646	-8.114
South East England	2.837	23.038	-0.986	-16.91	1.475	7.252	-0.272	-7.908
Bracknell Forest	3.727	33.753	-1.9	-18.152	4.956	-6.596	6.618	9.669
Brighton and Hove	-2.059	29.721	-5.683	-32.135	8.548	2.928	8.791	15.881
Buckinghamshire	2.52	40.875	-3.38	-29.055	2.198	-5.417	4.096	3.935
East Sussex	12.854	41.878	3.982	0.119	2.012	9.888	-0.368	-9.743
Hampshire	1.411	18.692	-1.116	-22.532	4.961	20.748	0.045	-4.143
Isle of Wight	-2.791	19.248	-6.512	-30.463	9.879	23.803	3.627	8.382
Kent	0.344	0.033	0.159	-7.342	-0.895	9.408	-3.894	-13.959
Medway	2.343	5.804	2.209	-15.466	6.464	26.198	-1.292	4.451
Milton Keynes	4.414	26.138	1.499	-14.107	3.203	6.537	3.052	-8.909
Oxfordshire	11.498	42.629	3.323	5.688	-0.917	8.759	-1.357	-23.838
Portsmouth	-6.174	20.15	-9.138	-34.434	-5.852	3.389	-8.311	-18.002
Reading	-2.792	24.374	-4.758	-31.113	-4.192	-9.129	-0.801	-18.988
Slough	-4.194	20.743	-5.621	-30.123	-2.974	4.07	-3.767	-17.526
Southampton	-1.625	34.062	-5.626	-31.504	-3.25	8.256	-5.628	-18.856
Surrey	0.085	15.525	-1.825	-21.155	5.154	7.829	3.446	2.563
West Berkshire	2.045	24.425	-0.232	-21.952	2.237	4.664	1.94	-6.754
West Sussex	7.281	36.669	0.642	-14.36	1.366	9.937	-1.454	-7.893
Windsor and Maidenhead	7.056	29.782	2.877	-8.065	-2.899	3.296	-3.068	-20.552
Wokingham	3.827	28.42	-0.412	-21.762	3.546	-9.459	6.843	11.202
South West England	-0.2	20.036	-3.404	-24.115	7.866	27.926	1.644	-3.022
Bath and North East Somerset	12.548	25.525	6.538	15.9	0.84	31.977	-5.56	-29.888
Bournemouth	5.572	37.103	-1.105	-20.009	8.477	28.339	1.304	1.426
Bristol, City of	3.281	40.878	-3.436	-26.177	1.488	10.619	-1.742	-7.098
Cornwall	-1.837	21.387	-5.569	-30.469	16.693	49.706	4.728	11.227
Devon	2.826	17.824	-0.761	-15.641	9.274	24.308	3.596	5.21
Dorset	-1.171	18.805	-2.02	-30.867	11.136	42.81	2.117	-3.374
Gloucestershire	-7.235	10.214	-8.101	-36.374	15.41	23.116	10.619	23.19
North Somerset	-9.105	10.593	-10.099	-40.009	20.813	58.817	7.805	17.211
Plymouth	6.456	23.952	1.784	-8.956	4.361	20.685	-0.651	-5.236
Poole	-1.153	24.8	-5.235	-29.844	6.928	24.603	0.722	0.668
Somerset	7.705	14.641	4.337	3.56	-6.918	8.273	-9.12	-30.355
South Gloucestershire	-4.094	15.444	-6.639	-29.54	10.391	20.12	6.271	7.132
Swindon	-10.959	8.314	-10.731	-41.096	21.973	66.673	9.517	14.024
Torbay	-8.201	0.317	-8.907	-32.191	2.382	9.294	-1.773	4.37
Wiltshire	-1.117	20.595	-2.911	-30.466	9.324	40.717	0.166	-11.133
West Midlands	3.981	16.824	0.069	-10.483	9.564	23.02	4.122	6.524
Birmingham	2.446	10.52	0.165	-12.096	12.512	18.879	7.483	21.978
Coventry	3.496	22.677	-1.888	-11.049	0.966	6.794	-0.969	-8.294
Dudley	0.883	16.307	-3.154	-18.713	9.787	10.503	7.265	14.958
Herefordshire, County of	15.773	4.065	11.959	44.67	-7.096	36.435	-11.177	-48.048
Sandwell	-4.042	7.13	-5.185	-26.113	9.801	29.388	2.436	3.232
Shropshire	-5.469	2.075	-3.719	-30.954	9.729	34.402	2.957	-4.39
Solihull	6.32	45.221	-1.347	-17.105	5.707	5.144	4.406	6.137
Staffordshire	7.228	30.067	0.736	-12.435	12.911	23.748	6.822	21.779
Stoke-on-Trent	12.864	19.244	8.3	12.867	3.993	15.766	0.265	-6.52
Telford and Wrekin	5.451	11.791	3.372	-5.891	5.466	13.436	2.312	1.167
Walsall	4.493	15.814	0.047	-5.764	2.684	21.972	-3.835	-9.567
Warwickshire	1.395	13.26	-2.778	-9.702	17.95	45.907	8.421	17.452
Wolverhampton	-3.063	13.846	-5.741	-25.5	2.002	19.687	-3.278	-11.189
Worcestershire	6.842	18.147	2.416	-4.593	12.533	27.144	6.598	10.425
Yorkshire and the Humber	8.169	34.762	1.5	-12.252	1.557	6.988	-0.678	-4.64
Barnsley	17.88	38.968	9.433	8.793	1.571	10.254	-2.647	-5.967

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Bradford	-0.791	18.054	-4.142	-26.788	-0.194	2.669	-2.55	-1.598
Calderdale	-2.478	11.37	-4.502	-23.608	2.656	13.952	-1.28	-6.038
Doncaster	18.45	31.022	10.109	24.715	4.296	4.915	1.826	5.712
East Riding of Yorkshire	9.532	28.724	4.276	-6.937	-3.85	11.901	-7.748	-20.41
Kingston upon Hull, City of	18.234	39.531	8.004	21.636	0.202	0.537	-0.884	-6.132
Kirklees	6.836	24.585	2.936	-9.535	-5.465	13.645	-9.358	-24.908
Leeds	5.024	43.713	-1.262	-29.579	10.548	5.842	9.013	28.343
North East Lincolnshire	5.643	21.927	2.069	-10.832	4.163	18.423	0.279	-9.518
North Lincolnshire	4.018	39.979	-2.73	-19.471	-1.48	12.485	-4.641	-20.786
North Yorkshire	7.827	36.632	-0.217	-6.788	3.217	12.656	0.501	-8.343
Rotherham	0.986	36.12	-3.574	-33.505	5.638	5.443	3.487	6.111
Sheffield	4.223	41.242	-3.093	-27.96	2.208	-1.933	1.88	8.852
Wakefield	13.756	33.326	6.546	3.665	3.204	15.027	-1.24	-5.083
York	8.878	42.52	3.478	-11.087	-2.332	3.312	-1.778	-22.222
Northern Ireland	5.821	30.891	3.024	-15.43	1.14	17.747	-0.478	-22.291
Scotland	9.293	17.271	5.556	-0.732	8.579	13.152	5.007	11.061
Wales	11.432	34.539	1.912	-3.345	17.86	37.841	7.931	21.481
Latin America and Caribbean	-7.754	-2.953	-4.798	-22.442	3.994	24.089	1.655	-21.158
Andean Latin America	-9.657	-4.865	-8.927	-19.669	-4.127	15.516	-5.959	-26.457
Bolivia	-3.969	4.917	-6.038	-24.296	1.373	34.052	-6.847	-28.555
Ecuador	2.467	-0.879	-2.372	13.957	-2.725	-0.5	-0.65	-17.081
Peru	-14.915	-6.922	-13.258	-28.847	-8.034	11.911	-8.771	-32.846
Caribbean	-1.728	13.868	-6.352	-13.931	8.371	19.652	1.152	12.221
Antigua and Barbuda	11.306	13.051	10.08	19.517	12.105	14.69	8.939	23.305
The Bahamas	9.885	23.594	2.736	13.822	-7.347	-5.359	-1.986	-22.559
Barbados	-12.126	-1.989	-13.016	-33.495	21.537	20.432	18.273	32.677
Belize	20.603	45.378	0.173	1.632	4.602	44.691	1.918	-38.218
Bermuda	-15.127	-0.532	-11.761	-43.414	1.7	10.156	1.403	-20.926
Cuba	-5.678	-5.177	-2.024	-18.988	13.269	36.373	8.332	-20.396
Dominica	17.001	27.089	12.705	0.546	44.627	58.01	24.032	108.69
Dominican Republic	-12.108	-8.65	-17.976	-12.905	23.078	60.98	5.675	2.194
Grenada	21.242	50.4	4.935	-3.905	20.989	44.657	6.178	23.372
Guyana	5.761	26.605	-3.168	-17.42	10.645	13.993	10.083	7.873
Haiti	-2.104	20.666	-12.085	-24.623	-13.049	-11.686	-13.507	-25.202
Jamaica	7.602	15.973	2.345	-2.327	2.874	10.83	-4.893	7.603
Puerto Rico	5.135	8.788	4.918	-9.307	80.44	34.391	7.223	696.873
Saint Lucia	44.082	49.807	21.739	96.503	-9.714	8.093	-8.626	-41.147
Saint Vincent and the Grenadines	48.95	50.759	31.372	96.33	7.712	32.308	-0.94	-14.367
Suriname	-9.581	6.323	-9.887	-32.089	9.174	25.396	5.107	-9.326
Trinidad and Tobago	-8.431	8.435	-7.654	-32.505	5.903	4.84	4.195	5.091
Virgin Islands, U.S.	0.166	12.544	2.802	-22.862	22.512	35.326	11.727	49.575
Central Latin America	-10.793	-4.256	-7.581	-27.906	1.739	17.102	1.301	-22.533
Colombia	-3.001	19.746	-9.148	-21.628	-5.639	1.806	6.019	-40.198
Costa Rica	4.854	19.21	-0.601	-13.416	18.645	39.644	6.898	11.723
El Salvador	-5.402	38.79	-15.571	-39.412	5.845	60.306	-0.863	-48.701
Guatemala	-32.052	-31.474	-27.365	-42.571	4.302	17.219	-0.021	-14.694
Honduras	-15.948	-2.448	-30.276	-27.597	-9.604	18.705	-19.721	-42.504
Mexico	-12.706	-12.717	-3.634	-31.902	4.695	18.425	1.607	-12.02
Aguascalientes	-4.862	12.09	-2.436	-29.312	-6.207	12.773	-5.9	-36.164
Baja California	4.404	15.457	4.268	-9.02	-10.444	1.499	-5.775	-38.342
Baja California Sur	12.477	20.228	8.519	9.015	4.397	7.931	6.282	-8.416
Campeche	4.268	29.184	-2.278	-21.233	-5.429	-3.622	-0.025	-23.285
Chiapas	-17.664	-27.903	-2.922	-26.969	-4.321	-5.63	-1.792	-20.379
Chihuahua	-18.934	-21.085	-5.928	-35	-2.121	3.218	0.774	-18.985
Coahuila	-6.652	-3.244	-2.08	-24.53	4.607	14.734	2.431	-8.417
Colima	-18.403	-7.47	-10.206	-43.232	10.7	24.66	5.349	3.096
Mexico City	6.654	23.132	3.795	-16.682	20.033	12.062	15.405	52.763
Durango	-15.203	-8.492	-8.137	-36.811	-5.421	27.505	-8.803	-37.439
Guanajuato	-10.786	-9.927	-1.617	-33.798	5.495	27.432	1.926	-20.234
Guerrero	-15.291	-7.401	-10.233	-36.703	1.14	11.627	0.961	-19.663
Hidalgo	-1.622	11.941	-4.733	-30.631	5.758	17.635	1.558	-12.47
Jalisco	-6.35	3.973	-1.315	-29.201	1.697	25.851	-0.597	-22.411
Mexico	-13.881	-3.851	-5.657	-44.468	14.382	29.735	9.076	0.989
Michoacan de Ocampo	-2.953	3.856	0.335	-22.946	-4.075	6.287	-0.434	-29.485
Morelos	-13.246	-3.939	-6.355	-39.204	12.733	27.58	5.179	8.817

eTable 3d: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for 5-9 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Nayarit	-12.211	-4.243	-4.483	-34.708	7.779	47.125	-1.116	-14.096
Nuevo Leon	-1.115	9.386	0.019	-20.49	-2.892	-6.263	0.246	-9.215
Oaxaca	-31.234	-42.058	-15.204	-38.337	10.069	8.795	9.729	-1.042
Puebla	-22.138	-37.536	-7.62	-31.607	17.742	38.855	4.086	9.542
Queretaro	-2.476	14.427	-3.206	-31.694	15.593	31.272	8.213	9.503
Quintana Roo	-1.854	17.216	-2.153	-27.095	14.957	35.095	8.423	0.533
San Luis Potosi	-17.271	-13.296	-9.887	-41.423	1.46	10.253	-1.239	-14.7
Sinaloa	-9.559	-1.509	-5.374	-25.451	-9.215	5.392	-6.414	-32.336
Sonora	-7.698	3.169	-1.579	-33.621	16.966	21.105	11.873	22.132
Tabasco	-12.214	2.038	-6.693	-40.226	4.047	15.816	2.295	-11.743
Tamaulipas	-5.447	9.602	-3.675	-29.131	5.093	11.656	3.744	-3.629
Tlaxcala	-6.821	-3.865	-1.905	-31.873	16.447	50.365	5.462	-7.994
Veracruz de Ignacio de la Llave	-12.596	-21.137	-0.672	-30.632	-5.878	19.755	-12.123	-36.655
Yucatan	2.608	15.547	1.613	-24.031	3.228	17.487	-1.109	-15.998
Zacatecas	-2.79	10.392	-1.627	-24.368	2.596	15.108	0.742	-15.241
Nicaragua	-8.777	4.819	-11.317	-41.871	-3.973	15.372	-7.47	-48.675
Panama	18.138	46.3	3.546	9.392	4.213	22.745	3.721	-23.413
Venezuela	5.491	29.892	-2.653	-10.277	9.989	37.787	3.358	-11.638
Tropical Latin America	-5.665	-6.781	0.321	-20.016	9.023	37.332	5.782	-28.719
Brazil	-6.058	-7.853	0.312	-20.195	11.097	42.221	6.739	-27.019
Acre	-2.892	-4.42	-4.273	-15.344	16.547	61.465	4.12	-24.928
Alagoas	-9.425	-1.219	-8.788	-35.191	0.418	33.731	-2.705	-49.254
Amapa	7.989	-5.626	10.397	22.527	39	73.864	24.941	22.851
Amazonas	-8.617	-9.016	-2.979	-28.919	27.169	74.429	13.267	-10.684
Bahia	-7.045	-6.63	-2.838	-28.015	9.136	53.814	-0.562	-35.61
Ceara	-7.787	-3.609	-4.094	-28.778	-1.558	24.406	-1.406	-46.218
Distrito Federal	3.125	-11.182	10.595	8.623	12.369	27.984	14.039	-11.85
Espirito Santo	-2.946	-6.793	0.593	-11.759	18.069	67.283	11.851	-26.213
Goias	-9.794	-8.434	-3.821	-32.318	25.138	63.166	15.358	-10.62
Maranhao	-5.285	-7.733	-6.41	-20.342	-3.174	23.696	-10.046	-50.808
Mato Grosso	-2.708	-4.763	0.826	-14.186	8.138	37.795	7.037	-27.181
Mato Grosso do Sul	0.494	-3.266	4.906	-12.617	20.93	40.954	14.053	-3.782
Minas Gerais	-1.693	-7.267	2.676	-12.74	17.003	55.092	7.744	-20.522
Para	-6.876	-8.269	0.619	-24.947	5.856	28.477	1.501	-29.485
Paraiba	6.181	7.877	2.899	-7.579	8.962	40.343	0.408	-32.063
Parana	3.128	2.192	3.795	-9.174	12.545	43	9.84	-27.457
Pernambuco	-2.319	-1.954	-0.845	-18.229	6.082	54.301	0.139	-46.918
Piaui	3.326	-1.71	2.308	-12.088	17.213	47.428	4.485	-24.293
Rio de Janeiro	-12.969	-16.571	-4.571	-27.014	5.896	20.404	7.112	-28.084
Rio Grande do Norte	-7.433	-5.294	-3.085	-30.376	9.726	54.044	3.457	-46.857
Rio Grande do Sul	-0.607	-9.098	2.415	-3.129	10.166	19.878	10.735	-29.539
Rondonia	-5.284	-25.499	6.253	0.101	18.131	61.126	9.429	-24.034
Roraima	9.373	0.057	10.82	15.455	26.358	62.683	18.177	-3.084
Santa Catarina	-3.942	5.235	-1.581	-21.776	16.003	30.359	16.584	-11.787
Sao Paulo	-4.148	-4.511	-0.711	-14.09	9.314	22.154	12.743	-33.143
Sergipe	-18.592	-7.361	-11.18	-46.512	6.247	45.274	1.646	-38.946
Tocantins	8.125	1.037	5.009	9.069	14.397	50.368	6.988	-22.652
Paraguay	5.433	16.6	-0.859	-6.577	0.785	10.173	1.411	-28.042
North Africa and Middle East	-1.289	24.519	-2.001	-28.43	9.191	23.911	-1.705	17.033
North Africa and Middle East	-1.289	24.519	-2.001	-28.43	9.191	23.911	-1.705	17.033
Afghanistan	-15.518	-16.289	-5.986	-23.327	-7.486	-18.01	-0.113	-32.375
Algeria	25.165	33.669	11.389	27.803	-9.576	15.505	-7.799	-31.409
Bahrain	20.873	11.513	8.873	62.88	-16.185	-4.061	-7.231	-46.99
Egypt	-8.652	3.522	-7.354	-28.527	-8.745	-2.132	-3.381	-27.089
Iran	-12.722	34.734	7.136	-40.866	-12.032	40.858	-9.911	-37.514
Iraq	-8.453	-3.549	-1.653	-28.097	38.689	36.505	-8.153	111.047
Jordan	-3.154	-12.515	2.003	-2.087	-17.834	14.605	-19.41	-40.535
Kuwait	-34.283	-2.951	-9.063	-71.605	16.977	43.013	8.021	10.309
Lebanon	-9.738	5.48	1.334	-50.987	18.906	46.245	3.568	17.585
Libya	7.284	4.27	4.058	20.063	1.405	10.809	-11.178	27.444
Morocco	-4.942	7.799	-4.753	-28.174	-0.851	18.538	-0.009	-30.24
Palestine	34.693	30.486	-5.78	70.915	-18.459	25.246	-3.222	-69.255
Oman	-1.936	34.663	-9.473	-27.215	15.515	24.277	13.766	27.152
Qatar	15.242	36.463	-1.103	32.509	-9.075	0.652	-9.227	-18.848
Saudi Arabia	22.616	50.05	5.521	0.845	10.841	35.447	1.52	11.107

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Sudan	-0.296	5.428	-5.702	-22.914	15.636	23.126	5.474	-13.61
Syria	-9.404	3.6	-18.791	-31.987	158.464	70.289	-17.202	853.959
Tunisia	-6.152	15.601	-9.824	-31.481	6.739	49.626	-1.55	-20.549
Turkey	-5.651	6.922	-7.93	-21.096	5.143	10.953	0.139	9.725
United Arab Emirates	5.058	14.895	1.934	5.754	1.56	21.449	-0.682	-10.488
Yemen	1.671	7.049	-4.777	-19.816	43.634	56.076	1.232	52.455
South Asia	-1.746	7.624	-8.721	-12.319	-8.678	18.125	-10.073	-28.881
South Asia	-1.746	7.624	-8.721	-12.319	-8.678	18.125	-10.073	-28.881
Bangladesh	-12.084	-12.99	-10.376	-9.765	-19.63	-6.193	-18.136	-43.942
Bhutan	16.069	17.168	-4.923	73.211	-10.111	39.714	-9.951	-66.015
India	-3.267	7.678	-11.689	-18.556	-10.478	20.929	-13.772	-31.425
Andhra Pradesh	-12.117	-3.38	-17.19	-31.97	9.96	58.557	-7.972	-41.146
Arunachal Pradesh	-4.934	5.04	-10.146	-23.901	0.357	35.428	-3.786	-21.34
Assam	3.903	15.433	-6.45	-6.286	-48.713	-37.086	-41.309	-60.367
Bihar	-22.191	-26.165	-7.757	-14.429	-17.073	-1.636	-20.581	-34.869
Chhattisgarh	2.11	9.796	-3.972	-13.527	-23.312	-5.651	-19.073	-26.337
Delhi	10.41	32.823	-0.987	-5.046	-10.368	11.648	-0.676	7.877
Goa	-1.851	10.967	-3.226	-5.955	10.96	38.914	1.079	24.467
Gujarat	4.344	24.229	-11.37	-22.443	-20.051	7.79	-17.872	-36.878
Haryana	2.533	18.461	-9.185	-16.827	-1.438	47.153	-8.911	-27.657
Himachal Pradesh	12.102	42.577	-11.032	-25.48	3.43	51.657	-4.968	5.357
Jammu and Kashmir	5.549	7.142	-9.575	31.66	22.37	98.22	8.07	-36.328
Jharkhand	-10.331	-9.325	-5.207	-12.373	-2.924	24.95	-11.323	-27.238
Karnataka	-7.088	4.061	-16.222	-22.911	12.486	68.879	-9.968	-26.714
Kerala	-21.655	-10.111	-25.56	-40.168	23.194	105.316	-6.118	-28.134
Madhya Pradesh	-5.371	3.201	-12.037	-24.174	-24.63	-6.176	-21.696	-41.81
Maharashtra	11.045	34.62	-5.995	-13.279	-9.525	25.194	-9.723	-27.766
Manipur	-3.363	6.928	-7.859	-7.851	3.74	31.508	5.607	-8.696
Meghalaya	1.331	13.782	-7.297	-20.026	6.72	44.388	3.272	3.65
Mizoram	2.334	20.153	-4.686	-7.602	15.65	50.298	12.497	28.367
Nagaland	3.796	20.478	-4.616	-18.161	-0.597	35.99	2.785	16.469
Odisha	-12.312	-5.325	-17.231	-23.94	-12.236	16.935	-18.915	-31.405
Punjab	-4.474	15.468	-10.855	-42.149	-8.645	25.726	-7.393	-31.956
Rajasthan	-13.05	-6.033	-15.041	-30.796	2.335	30.612	-5.339	-13.151
Sikkim	2.174	17.598	-5.291	-31.204	11.686	71.353	1.028	1.594
Tamil Nadu	-8.647	5.583	-17.984	-24.562	26.304	100.631	1.831	-15.955
Telangana	-3.891	6.197	-11.939	-22.309	21.626	92.93	-4.61	-25.193
Tripura	-8.477	0.102	-14.443	-15.791	3.786	37.048	-0.038	-30.955
Uttar Pradesh	-6.525	1.045	-13.582	-21.053	-19.027	3.161	-20.493	-35.987
Uttarakhand	0.946	10.008	-5.275	-14.997	16.603	82.821	3.747	2.46
West Bengal	-17.847	-12.344	-17.303	-29.43	-19.346	9.22	-22.948	-53.95
Union Territories other than Delhi	3.794	20.574	-6.024	-10.659	37.131	106.641	12.627	30.549
Nepal	-11.961	-10.029	-11.188	-18.977	1.908	11.616	-0.33	-16.097
Pakistan	15.423	16.513	12.813	32.567	8.327	20.407	9.05	-0.458
Southeast Asia, East Asia, and Oceania	5.955	20.865	-0.424	-4.216	-7.887	19.691	-3.644	-30.568
East Asia	12.726	29.411	-0.333	3.284	-12.023	17.621	-7.631	-28.804
China	12.77	24.23	-0.347	3.675	-11.905	24.673	-8.723	-30.491
North Korea	87.501	234.038	3.597	17.586	-48.484	-76.777	0.134	-9.283
Taiwan	-2.501	20.833	4.338	-26.587	10.767	31.365	16.413	-31.634
Oceania	5.032	4.157	6.167	5.855	0.077	2.528	-0.744	-4.248
American Samoa	1.134	4.37	1.634	-4.505	9.241	13.263	7.662	6.804
Federated States of Micronesia	7.611	17.837	1.022	4.69	1.846	6.278	3.101	-4.617
Fiji	34.288	42.133	22.17	57.945	-7.857	-6.216	-4.793	-14.71
Guam	7.071	14.628	5.612	-1.924	17.506	32.356	10.892	19.562
Kiribati	2.293	-2.754	7.578	14.468	-5.443	0.253	-10.242	-16.387
Marshall Islands	21.458	32.718	9.384	20.214	3.565	1.122	5.819	3.727
Northern Mariana Islands	2.757	6.292	2.962	-4.992	3.158	2.597	4.237	-1.039
Papua New Guinea	5.749	5.55	4.492	1.811	5.986	12.158	-2.067	-3.147
Samoa	-11.268	-10.886	-5.508	-29.569	-2.887	2.463	-3.769	-12.876
Solomon Islands	3.72	-3.931	3.895	25.404	7.448	17.903	2.707	-15.234
Tonga	4.54	3.317	5.914	9.683	9.938	14.732	9.346	4.454
Vanuatu	7.856	-1.58	10.363	35.332	9.92	12.789	5.494	4.988
Southeast Asia	-0.644	10.692	0.83	-12.227	-8.01	-1.277	0.628	-22.22
Cambodia	5.323	13.662	-2.984	-14.052	-2.102	21.005	-4.989	-40.873
Indonesia	-0.723	18.422	-2.227	-22.595	-5.885	2.103	2.05	-15.562

eTable 3d: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for 5-9 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Laos	-2.94	-0.862	-7.358	-11.496	-11.217	3.148	-14.069	-38.317
Malaysia	-7.825	-4.705	-5.581	-6.541	15.288	23.616	13.151	7.878
Maldives	-4.163	6.18	-14.176	-21.444	-16.092	2.102	-17.235	-50.205
Mauritius	8.669	15.077	2.517	15.143	12.046	36.5	1.004	-12.386
Myanmar	4.023	11.505	-0.701	-11.919	-7.411	9.442	-12.644	-24.374
Philippines	-19.127	-32.359	2.442	-2.811	-2.011	2.654	4.794	-15.343
Sri Lanka	-17.248	-19.396	-2.522	-30.275	0.205	26.054	4.014	-50.394
Seychelles	21.573	23.013	15.905	37.289	16.58	29.413	5.47	31.589
Thailand	-1.02	8.057	-2.335	-7.399	-20.116	-15.803	-7.209	-37.773
Timor-Leste	-13.984	-8.903	-13.83	-33.273	13.607	38.572	2.029	-32.656
Vietnam	3.064	18.268	-1.82	-19.02	-5.999	-14.253	4.09	-15.981
Sub-Saharan Africa	6.321	13.615	-2.776	-5.773	-8.786	5.139	-2.141	-36.749
Central Sub-Saharan Africa	5.767	8.903	-0.859	6.303	-1.225	19.054	-1.268	-29.46
Angola	2.154	6.085	-0.166	-9.367	-4.006	34.303	-10.747	-57.673
Central African Republic	24.03	35.067	0.194	8.09	6.885	2.61	0.071	40.818
Congo	45.949	71.981	6.013	49.238	-0.267	35.856	4.065	-37.281
Democratic Republic of the Congo	-7.295	-10.941	-3.057	5.352	-9.51	-6.122	-0.738	-22.436
Equatorial Guinea	23.505	59.669	-10.722	-31.21	50.627	190.195	6.47	-20.991
Gabon	14.941	43.38	0.881	-7.85	17.11	51.099	12.842	18.983
Eastern Sub-Saharan Africa	0.989	5.585	-5.508	-9.746	-11.302	0.671	-4.243	-50.129
Burundi	48.296	12.1	-8.161	399.467	-53.682	-41.973	-9.815	-86.348
Comoros	3.876	17.665	-8.554	-25.84	-1.416	8.335	-4.538	-23.491
Djibouti	-5.545	-8.096	1.938	-11.385	8.14	38.353	-8.431	-29.499
Eritrea	-54.432	13.946	9.906	-88.627	-17.537	-1.4	-6.046	-61.301
Ethiopia	-3.269	-8.724	-9.407	17.833	-22.023	-8.186	-9.961	-73.005
Kenya	28.063	50.665	-0.476	6.15	-6.587	2.121	3.063	-7.934
Baringo	9.605	18.172	-0.841	-0.146	-17.663	-10.917	-13.5	-31.567
Bomet	40.921	72.056	-0.318	2.112	31.73	60.441	13.571	65.779
Bungoma	4.751	15.575	-5.361	-13.601	-18.883	-16.236	-3.689	-19.564
Busia	42.368	65.043	-0.187	4.361	-39.873	-43.109	-4.564	-14.254
Elgeyo-Marakwet	22.349	35.157	3.797	16.14	-2.652	13.935	-4.131	-27.357
Embu	27.831	58.306	-2.013	-6.25	19.928	36.942	17.185	33.15
Garissa	9.537	16.59	-5.442	-9.936	-28.629	-34.686	-13.637	-28.111
HomaBay	38.696	65.502	-2.347	-3.988	3.464	28.422	-8.206	-28.262
Isiolo	-9.236	-12.267	-19.857	21.806	-24.292	-22.521	-10.058	-44.061
Kajiado	52.412	91.146	6.157	41.034	-15.601	-16.952	2.864	-4.528
Kakamega	37.412	66.239	-4.491	-4.431	-20.013	-18.548	-0.108	-13.402
Kericho	38.179	57.83	5.409	41.1	33.791	69.76	11.024	21.208
Kiambu	53.257	103.179	4.937	17.634	-12.267	-15.566	10.768	14.359
Kilifi	5.008	13.007	-3.625	-6.655	-4.519	6.497	-1.471	-22.564
Kirinyaga	21.094	35.326	4.179	17.363	21.916	45.997	11.101	13.572
Kisii	17.279	38.731	-3.507	-9.396	-22.716	-17.807	-6.779	-34.124
Kisumu	95.266	162.113	1.056	-7.494	-31.902	-28.91	1.953	4.988
Kitui	19.901	35.437	-1.931	-2.732	-2.394	8.016	-1.483	-13.628
Kwale	13.874	29.728	-9.63	-21.935	-26.216	-27.425	-0.112	-2.088
Laikipia	30.639	44.438	8.091	52.834	24.057	73.218	2.094	-13.153
Lamu	3.4	11.673	-4.014	-12.724	18.558	-1.705	0.531	193.184
Machakos	16.913	36.539	-1.272	-0.214	11.729	28.652	6.799	4.199
Makueni	8.468	21.677	-7.266	-20.347	14.775	44.782	-2.537	-22.992
Mandera	6.077	6.06	-5.36	1.536	11.912	26.819	-4.635	-32.919
Marsabit	-4.256	-4.792	-9.623	9.879	6.227	16.981	0.104	-30.328
Meru	31.849	57.253	1.731	9.67	26.423	42.266	18.541	63.35
Migori	13.667	27.276	-7.323	-13.911	-3.744	14.841	-9.767	-30.106
Mombasa	26.913	60.136	-5.595	-9.684	-28.445	-33.702	4.679	7.422
Murang'a	25.612	51.447	0.397	3.323	31.758	52.346	18.384	55.639
Nairobi	43.685	89.41	5.656	15.021	-18.068	-23.551	7.002	14.329
Nakuru	85.287	163.004	3.651	33.622	11.688	20.01	24.628	55.735
Nandi	36.05	62.581	1.182	16.973	-13.24	-10.485	4.594	3.638
Narok	14.377	21.993	-1.555	4.923	7.936	17.923	1.047	-15.189
Nyamira	30.394	53.55	3.154	13.428	9.344	20.643	17.015	34.272
Nyandarua	33.753	53.486	8.697	31.072	52.795	100.747	19.908	44.629
Nyeri	46.787	83.172	4.56	55.156	18.276	34.258	19.137	11.716
Samburu	15.952	10.986	-5.057	109.547	-6.852	6.811	-1.891	-62.533
Siaya	16.407	34.136	-9.254	-16.426	-19.013	-9.666	-7.966	-26.586
TaitaTaveta	23.049	42.261	3.494	11.507	2.591	18.909	1.484	-4.202

eTable 3d: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for 5-9 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
TanaRiver	22.682	29.158	4.339	35.321	20.881	31.757	8.176	26.027
TharakaNithi	18.365	32.052	2.539	8.498	-5.368	7.413	-1.907	-12.114
TransNzoia	44.573	81.05	-1.583	-1.154	11.872	27.199	12.862	26.059
Turkana	6.58	1.937	-5.37	77.557	-13.676	-3.475	-4.693	-63.468
UasinGishu	17.234	33.235	1.322	12.452	15.547	36.251	8.945	12.237
Vihiga	40.681	71.098	-2.735	-6.188	-17.47	-20.286	10.004	19.073
Wajir	9.222	4.681	1.622	37.816	-22.976	-24.312	-9.322	-53.086
WestPokot	-8.587	-9.553	-5.781	2.069	2.089	13.556	-1.231	-35.953
Madagascar	-27.611	-27.659	-21.081	-38.586	-23.771	-21.617	-19.527	-44.902
Malawi	16.726	24.793	3.464	-12.12	-13.214	-7.602	-3.857	-32.144
Mozambique	-5.735	0.708	-8.594	-37.918	41.443	77.877	0.633	-26.021
Rwanda	12.349	14.692	-3.244	20.095	-39.459	-32.586	-20.905	-72.205
Somalia	-13.303	-15.84	7.695	-23.89	-4.193	-11.793	-6.596	17.335
South Sudan	-13.895	-17.882	-6.68	2.574	3.308	-3.913	4.7	25.422
Tanzania	11.29	19.995	-0.228	-12.383	-10.296	-10.916	2.477	-2.136
Uganda	17.008	24.345	-0.161	2.513	4.415	22.275	-0.705	-24.076
Zambia	22.039	36.303	1.265	-5.461	-9.971	8.728	-10.758	-31.558
Southern Sub-Saharan Africa	30.274	69.738	9.764	4.774	-7.43	23.89	-2.518	-42.314
Botswana	24.966	52.084	8.194	17.459	8.871	22.865	15.539	24.423
Lesotho	51.943	88.233	7.247	20.024	34.098	62.168	13.751	30.76
Namibia	25.164	47.536	7.138	15.217	-2.391	22.721	3.548	-23.197
South Africa	14.356	44.108	5.388	-0.197	-14.352	28.535	-10.61	-55.141
Swaziland	56.818	104.985	13.508	31.671	26.557	67.041	6.45	1.266
Zimbabwe	92.706	159.439	17.817	38.288	-18.276	-28.764	9.622	6.633
Western Sub-Saharan Africa	5.317	12.789	-4.521	-10.708	-3.749	8.286	-1.634	-10.488
Benin	-2.528	5.373	-10.912	-24.234	-5.067	6.138	-9.137	-31.016
Burkina Faso	7.491	14.019	-7.441	-13.796	-16.105	-14.349	-13.095	-21.471
Cameroon	6.722	14.759	-2.776	-10.581	9.617	34.69	1.423	-7.084
Cape Verde	19.259	32.104	-3.419	28.05	5.386	22.365	2.708	-17.098
Chad	7.391	9.557	-1.093	2.884	-2.126	1.04	-3.547	-20.782
Cote d'Ivoire	24.093	38.15	1.198	1.723	-13.031	-12.924	2.786	-3.902
The Gambia	2.014	10.661	-10.201	-17.648	6.153	10.514	2.723	7.717
Ghana	6.138	17.051	-2.004	-14.18	7.967	29.999	3.084	27.295
Guinea	-4.778	-2.038	-14.302	-8.331	2.763	18.623	-7.293	-41.745
Guinea-Bissau	2.261	5.179	-4.731	-6.633	5.529	19.73	-8.281	-28.21
Liberia	-32.309	-11.782	-16.814	-80.273	-7.904	3.175	-12.543	-47.311
Mali	0.673	1.832	-6.907	1.755	-7.767	-1.035	-8.25	-38.024
Mauritania	7.275	9.103	5.418	9.169	-5.419	6.981	-6.287	-26.113
Niger	-9.949	-6.917	-14.267	-27.292	-29.017	-29.929	-18.505	-44.577
Nigeria	6.599	14.574	-3.631	-7.942	-3.364	12.074	2.325	4.268
Sao Tome and Principe	-5.647	-6.079	-5.696	-10.859	-4.87	18.604	-21.702	-29.759
Senegal	6.456	13.888	-3.236	-10.72	-23.857	-27.526	-8.626	-23.078
Sierra Leone	2.822	6.121	-15.491	14.972	-3.197	15.653	-9.558	-49.857
Togo	7.575	18.434	-7.596	-14.637	0.818	18.076	-10.301	-27.613

eTable 3e: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for 10-19 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Global	0.12	11.707	0.39	-5.181	-8.309	11.659	-3.515	-23.741
Low SDI	-0.663	2.551	-2.249	-3.086	-9.356	12.7	-8.749	-35.037
Low-middle SDI	4.75	18.934	0.561	-3.583	-3.785	25.788	-3.385	-20.301
Middle SDI	1.902	18.578	-0.661	-3.813	-1.898	27.491	-2.523	-12.779
High-middle SDI	-5.454	-6.136	-1.65	-8.792	-12.147	-7.872	-3.271	-29.227
High SDI	-0.833	12.16	2.676	-18.701	2.429	38.231	3.388	-21.64
Central Europe, Eastern Europe, and Central Asia	8.39	20.854	3.045	14.483	-13.172	6.923	-4.537	-32.055
Central Asia	2.775	12.3	5.094	-8.069	-3.365	10.113	-1.563	-10.928
Armenia	-9.49	7.395	-1.433	-33.351	6.612	38.874	5.466	-9.026
Azerbaijan	-4.416	6.35	2.533	-28.532	0.512	7.583	1.482	-2.821
Georgia	-18.895	-21.251	-5.905	-46.515	17.748	8.037	9.671	62.913
Kazakhstan	4.073	6.726	5.248	3.297	-15.383	-10.093	-8.484	-24.63
Kyrgyzstan	-8.777	-8.689	-1.091	-22.585	-9.125	-1.44	-6.125	-20.113
Mongolia	0.871	14.135	-0.212	-3.939	-1.268	-3.272	-2.552	7.213
Tajikistan	-0.841	-5.404	0.936	0.284	4.42	9.904	7.645	-9.383
Turkmenistan	2.374	2.278	5.377	-2.71	-3.819	5.295	1.899	-20.343
Uzbekistan	14.218	36.02	10.281	4.68	-2.8	14.485	-3.495	-7.54
Central Europe	0.1	20.445	-0.632	-5.132	-7.483	2.211	-2.954	-19.328
Albania	3.443	-2.958	2.651	8.8	-2.984	13.224	1.054	-22.797
Bosnia and Herzegovina	14.779	33.278	4.592	25.232	4.555	30.297	4.359	-9.047
Bulgaria	-2.875	3.023	-0.683	-8.232	-5.126	9.776	-1.803	-17.15
Croatia	-1.102	8.168	1.632	-9.209	-8.995	12.435	-2.41	-32.25
Czech Republic	2.044	16.841	0.638	2.008	-8.328	1.313	-3.149	-22.537
Hungary	-7.36	7.285	-1.591	-24.197	-4.661	14.212	-4.194	-14.795
Macedonia	-3.563	6.05	-2.507	-11.36	3.546	18.752	2.094	0.958
Montenegro	4.21	-2.928	2.77	11.587	-4.93	15.793	-2.394	-18.215
Poland	-0.719	7.153	-0.076	-2.281	-4.227	23.287	-2.421	-16.132
Romania	4.979	56.583	-2.12	-7.714	-13.08	-19.499	-3.519	-18.491
Serbia	-3.846	1.106	-2.753	-8.101	-10.939	21.748	-7.821	-32.428
Slovakia	0.531	10.649	2.807	-5.943	-6.386	-1.029	-2.811	-16.47
Slovenia	3.378	9.428	5.713	-0.563	-8.824	-2.292	-1.275	-25.421
Eastern Europe	11.202	13.754	2.994	23.362	-17.359	17.577	-6.635	-36.853
Belarus	-0.057	11.401	-2.297	-0.145	-12.118	30.068	-5.329	-35.705
Estonia	-14.41	14.12	-3.296	-32.88	-12.774	13.94	-2.837	-39.567
Latvia	-15.214	11.003	-4.869	-31.818	-11.331	19.051	-2.462	-34.432
Lithuania	-4.609	16.402	-1.891	-12.407	-8.403	23.771	-1.774	-27.483
Moldova	-6.374	-2.255	-0.569	-17.976	-7.065	24.497	-6.557	-22.409
Russian Federation	16.88	17.18	5.18	34.197	-24.31	13.554	-10.102	-46.043
Ukraine	-1.508	0.311	-0.908	-3.079	6.871	27.45	4.187	6.769
High-income	-3.536	-3.387	2.353	-17.959	-4.049	7.56	1.163	-25.818
Australasia	-4.087	4.378	1.33	-18.271	-5.785	1.206	-2.171	-18.952
Australia	-2.781	4.314	2.179	-16.879	-4.98	1.834	-2.203	-16.605
New Zealand	-7.256	11.281	-1.614	-19.783	-9.784	-2.922	-2.34	-27.65
High-income Asia Pacific	-10.507	-8.093	-6.197	-21.828	-4.836	5.427	-0.241	-25.308
Brunei	-11.145	-4.39	-6.56	-22.617	3.809	13.189	4.646	-1.785
Japan	-3.939	6.703	-2.489	-13.728	-2.599	6.214	-0.119	-17.195
Aichi	0.452	14.266	-1.006	-1.593	-7.183	0.37	-1.731	-28.737
Akita	0.54	9.171	-0.525	-0.559	-1.327	6.386	2.035	-16.908
Aomori	-0.145	8.196	-0.36	-4.505	2.091	12.802	2.542	-6.818
Chiba	-3.169	9.835	-1.738	-13.655	-2.658	8.973	-0.579	-17.186
Ehime	-1.52	6.418	-1.253	-6.342	-0.56	5.8	1.453	-11.362
Fukui	-0.453	15.284	-1.515	-5.154	-7.239	-1.713	-1.43	-30.255
Fukuoka	-2.229	4.202	-1.541	-7.478	-5.866	5.071	-1.576	-27.573
Fukushima	-0.607	9.358	-0.609	-5.61	-2.81	5.532	-0.625	-14.873
Gifu	-1.194	12.084	-1.365	-7.409	-2.083	7.85	-0.234	-14.748
Gunma	-2.175	8.577	-2.346	-6.516	-0.544	17.738	1.292	-16.426
Hiroshima	-2.678	9.958	-2.163	-10.326	-3.23	13.007	-0.996	-20.828
Hokkaido	-3.124	1.753	-1.835	-9.041	-3.985	14.706	-0.882	-24.465
Hyogo	-4.523	8.226	-3.246	-15.02	-2.028	7.629	-0.108	-15.517
Ibaraki	-12.996	0.729	-5.031	-34.068	-2.62	6.672	0.64	-17.584
Ishikawa	-3.392	9.941	-2.318	-14.243	1.584	11.605	2.459	-8.961
Iwate	-5.603	1.354	-3.362	-16.942	1.267	8.268	1.296	-3.701
Kagawa	1.993	14.884	-0.295	2.966	-6.662	2.395	-1.368	-26.513
Kagoshima	-1.586	10.42	-2.265	-6.214	-0.995	2.451	0.75	-9.945

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Kanagawa	-8.87	0.7	-4.002	-28.312	-0.836	3.972	0.024	-8.052
Kochi	1.484	12.037	0.088	0.704	-5.603	10.611	-1.528	-27.099
Kumamoto	-1.581	11.265	-1.628	-8.917	-1.562	6.783	0.491	-15.458
Kyoto	-5.283	5.312	-2.456	-18.921	-3.376	10.173	-0.584	-22.694
Mie	-5.016	9.051	-2.909	-16.009	-3.177	19.228	0.181	-25.675
Miyagi	0.045	8.498	0.015	-3.985	-4.61	5.828	-1.921	-19.748
Miyazaki	2.093	8.645	0.91	2.44	-0.819	19.261	0.789	-17.758
Nagano	1.822	11.263	-0.754	5.312	-1.023	5.793	1.72	-14.514
Nagasaki	-2.19	10.336	-2.125	-9.92	-0.968	6.826	1.034	-14.394
Nara	0.992	13.858	-0.014	-2.457	-3.127	2.684	0.697	-20.399
Niigata	-3.291	4.424	-1.432	-13.138	-0.639	3.924	1.465	-11.582
Oita	0.864	12.391	-1.112	1.162	-2.984	8.241	0.109	-20.597
Okayama	-4.634	4.261	-3.325	-12.626	-6.271	-0.063	-1.131	-27.611
Okinawa	-10.665	0.927	-6.603	-26.589	-1.462	15.299	0.955	-20.066
Osaka	-6.918	6.591	-3.908	-22.347	-3.371	-2.352	-0.247	-16.187
Saga	-5.447	5.096	-3.225	-17.237	-1.898	6.929	1.12	-18.264
Saitama	-3.909	10.216	-2.733	-15.376	-1.391	4.001	-0.16	-9.983
Shiga	-8.126	2.013	-4.44	-23.459	-1.784	14.232	0.381	-19.994
Shimane	-1.227	15.989	-3.123	-4.201	-1.619	5.018	0.937	-14.203
Shizuoka	-3.427	6.803	-2.889	-10.882	-2.964	5.255	0.004	-19.375
Tochigi	-5.8	4.787	-2.106	-19.704	-2.162	8.972	0.242	-16.407
Tokushima	-4.458	4.642	-3.248	-12.94	0.598	7.519	2.209	-9.717
Tokyo	-5.204	7.677	-3.429	-18.386	-1.516	7.081	-1.296	-8.478
Tottori	-3.802	3.958	-2.079	-14.041	3.761	6.003	3.949	1.57
Toyama	-0.153	12.466	-0.265	-6.319	2.129	11.156	2.693	-5.407
Wakayama	-8.958	3.365	-5.703	-24.633	-0.974	9.793	1.338	-17.414
Yamagata	1.824	7.246	-0.362	6.652	1.006	12.051	1.785	-8.957
Yamaguchi	-4.277	9.273	-3.8	-12.53	-0.549	7.889	1.8	-14.266
Yamanashi	-5.268	12.078	-3.67	-17.011	-3.788	14.326	-0.147	-26.484
South Korea	-18.835	-20.345	-12.663	-27.673	-9.679	2.674	-0.911	-37.701
Singapore	-7.324	3.488	-5.711	-19.169	2.647	14.194	3.833	-11.732
High-income North America	-2.771	-0.914	8.59	-25.205	-3.569	16.263	1.409	-24.667
Canada	-4.123	5.552	1.672	-21.415	-0.606	4.45	2.711	-14.599
Greenland	-17.765	-1.189	-3.643	-27.411	-22.557	4.662	-2.519	-41.658
United States	-2.605	-1.138	9.26	-25.444	-3.965	17.105	1.176	-25.641
Alabama	-0.818	2.488	10.591	-17.486	-3.76	19.129	4.501	-25.38
Alaska	-1.139	5.02	10.118	-15.792	-8.968	19.459	2.013	-32.949
Arizona	0.528	1.974	11.261	-19.417	-7.657	23.716	-0.728	-34.92
Arkansas	-0.667	-0.322	11.003	-17.666	-5.227	24.049	-0.327	-21.509
California	-10.112	-5.708	4.59	-38.941	-3.723	17.195	-0.233	-23.828
Colorado	-2.186	0.076	9.059	-23.802	-3.904	14.823	1.226	-24.08
Connecticut	-2.85	-2.718	8.088	-30.824	-2.056	12.49	2.604	-28.111
Delaware	5.8	-2.214	12.363	-8.651	-3.343	18.671	1.705	-26.455
District of Columbia	-21.951	-7.879	2.049	-42.958	-20.433	-6.847	-5.64	-46.975
Florida	-4.343	2.479	8.274	-27.845	-4.202	14.042	1.282	-25.252
Georgia	-1.233	-0.164	8.908	-19.058	-5.618	22.069	1.131	-29.372
Hawaii	-1.149	4.211	7.453	-24.81	-3.43	17.919	-2.012	-17.824
Idaho	0.825	-0.53	13.191	-20.544	-8.209	14.873	-3.283	-27.158
Illinois	-1.619	5.338	9.78	-24.095	-4.342	12.007	1.73	-27.03
Indiana	3.355	3.996	11.808	-13.508	-1.049	27.244	4.136	-22.288
Iowa	5.095	3.676	13.649	-12.536	-6.534	18.788	-0.915	-30.021
Kansas	4.049	4.469	12.27	-11.23	-8.317	16.339	-1.063	-32.203
Kentucky	5.065	-1.691	16.047	-14.356	-0.965	26.455	5.446	-25.939
Louisiana	-0.726	1.313	12.894	-21.537	-2.232	22.573	1.345	-16.123
Maine	3.749	4.113	12.053	-15.357	1.233	16.52	5.468	-17.327
Maryland	-3.744	-2.238	8.553	-25.404	-7.325	13.918	-1.499	-28.937
Massachusetts	-1.356	0.831	10.018	-32.912	-1.262	9.147	1.816	-21.706
Michigan	-4.913	-2.984	9.909	-32.726	-0.02	22.706	2.861	-16.335
Minnesota	-0.689	-1.132	8.707	-21.206	-4.748	17.757	-0.679	-25.27
Mississippi	1.014	1.823	10.191	-11.375	-6.26	22.854	0.8	-24.204
Missouri	2.558	3.549	11.949	-12.983	-5.921	17.653	2.312	-29.492
Montana	3.228	2.478	12.346	-11.424	-1.357	22.972	2.171	-13.595
Nebraska	1.703	-0.581	11.465	-16.171	-7.425	20.958	-2.798	-26.736
Nevada	-7.09	-2.965	7.858	-32.248	-3.328	17.05	1.178	-21.776

eTable 3e: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for 10-19 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
New Hampshire	2.498	2.821	11.902	-21.498	-2.026	15.585	3.706	-30.584
New Jersey	-3.795	-6.863	7.443	-33.323	-0.386	15.259	2.447	-21.947
New Mexico	-5.318	-2.176	8.049	-25.365	-3.824	27.515	3.062	-26.755
New York	-7.83	-6.656	6.362	-40.246	-3.07	10.251	1.226	-28.692
North Carolina	-3.834	-3.493	7.627	-23.074	-4.788	12.321	2.698	-28.489
North Dakota	7.043	5.122	14.107	-7.192	-0.073	13.998	1.044	-6.858
Ohio	2.034	-0.454	12.896	-21.899	0.384	17.541	3.914	-18.01
Oklahoma	0.72	4.105	12.299	-19.144	0.559	28.55	4.996	-17.294
Oregon	-1.113	-0.304	13.652	-29.593	-5.039	12.092	-0.19	-26.765
Pennsylvania	4.09	-3.926	13.624	-16.444	-0.252	23.691	4.657	-24.453
Rhode Island	2.572	-3.106	8.88	-15.969	-2.745	8.532	2.185	-29.483
South Carolina	0.53	0.795	9.935	-15.704	-4.269	15.329	1.593	-23.197
South Dakota	6.633	7.872	14.36	-5.907	-5.017	18.542	-0.324	-18.995
Tennessee	4.05	3.679	12.194	-9.741	-7.885	15.299	1.894	-35.1
Texas	-4.713	1.55	6.776	-25.764	-5.681	21.796	0.362	-29.96
Utah	8.541	4.298	17.829	-12.4	-4.504	19.462	-2.609	-19.142
Vermont	-0.03	2.236	10.775	-23.274	-6.323	12.132	-1.39	-28.43
Virginia	-3.376	-3.142	8.246	-25.748	-5.053	20.296	0.308	-28.651
Washington	-1.422	-2.11	11.67	-28.986	-4.403	18.733	-0.173	-27.184
West Virginia	8.614	7.062	17.429	-7.721	-1.936	18.961	6.938	-29.544
Wisconsin	0.43	-0.071	11.758	-22.209	-6.378	15.088	-0.733	-30.146
Wyoming	5.81	8.365	13.92	-6.809	-8.217	19.476	-0.658	-28.146
Southern Latin America	3.193	11.15	0.132	4.667	4.842	17.9	2.921	2.884
Argentina	6.789	15.231	0.345	16.423	3.887	16.979	2.265	1.74
Chile	-3.732	4.146	0.196	-20.531	6.047	17.467	4.962	-0.984
Uruguay	-0.602	12.537	-1.393	-6.181	6.97	22.941	2.917	8.828
Western Europe	-4.826	2.337	-1.789	-17.193	-8.106	3.552	-1.346	-39.21
Andorra	-6.155	-1.353	-1.922	-24.544	-1.985	5.569	-0.172	-16.642
Austria	-2.891	10.902	1.967	-16.884	-8.654	19.245	-0.811	-40.663
Belgium	-4.277	-2.176	-1.696	-11.36	-11.567	-2.577	-1.528	-43.866
Cyprus	12.026	20.944	4.708	29.168	-9.946	0.335	-0.246	-37.879
Denmark	-0.679	-1.11	0.208	-4.176	-10.64	1.795	-2.15	-47.949
Finland	-3.821	11.563	1.675	-21.573	-9.381	-3.621	-2.529	-33.532
France	-2.411	-0.393	-0.616	-9.185	-10.63	-1.135	-2.209	-42.456
Germany	-7.007	-3.004	-3.234	-19.389	-4.062	10.093	2.087	-32.983
Greece	3.601	8.09	2.465	2.684	-8.753	7.981	-3.092	-35.793
Iceland	-11.843	-7.281	-3.786	-36.516	-2.574	5.408	-0.844	-16.567
Ireland	9.468	15.25	5.828	17.362	-14.051	-8.711	-5.029	-46.937
Israel	3.185	7.863	1.685	4.746	-7.421	2.794	-1.592	-33.164
Italy	-6.654	0.617	-3.347	-20.453	-9.845	4.906	-2.892	-43.614
Luxembourg	-13.173	3.267	-3.7	-38.005	-9.19	-5.79	-1.865	-37.082
Malta	7.433	25.277	4.982	4.651	-2.118	-12.226	1.353	-16.24
Netherlands	-3.305	7.732	-2.037	-13.833	-4.608	0.418	1.274	-35.851
Norway	-4.029	3.447	-0.206	-17.472	-5.574	8.823	-0.673	-29.832
Portugal	-8.226	8.684	-0.097	-28.918	-17.056	-9.168	-5.316	-55.698
Spain	-2.617	4.793	-0.078	-15.004	-12.943	1.472	-4.597	-50.719
Sweden	-6.345	4.307	-2.531	-24.268	-1.173	4.424	2.32	-21.91
Stockholm	-9.243	-7.307	-4.879	-25.691	-3.42	-0.888	0.657	-25.232
Sweden except Stockholm	-5.808	6.94	-2.105	-24.096	-0.335	5.697	3.03	-20.759
Switzerland	-10.323	0.429	-2.594	-32.707	-8.994	-0.955	-1.295	-42.246
United Kingdom	-5.031	6.133	-2.798	-21.59	-2.035	15.088	-0.301	-24.96
England	-5.194	8.243	-3.206	-22.432	-2.071	13.615	-0.336	-24.558
East Midlands	-6.558	7.019	-3.746	-24.005	-2.929	16.325	0.013	-29.524
Derby	-10.622	5.321	-5.354	-37.819	-2.774	6.517	-2.329	-16.366
Derbyshire	-7.391	7.414	-4.348	-26.931	0.61	14.836	2.28	-19.982
Leicester	-1.094	8.799	-0.597	-11.232	-5.17	18.073	-2.644	-32.278
Leicestershire	-5.693	5.561	-3.217	-21.426	-4.947	8.97	-0.826	-33.71
Lincolnshire	-9.679	0.905	-5.104	-27.916	-1.573	28.845	1.681	-29.838
Northamptonshire	-8.819	4.758	-5.097	-27.96	-1.524	27.034	0.681	-28.969
Nottingham	2.632	17.192	1.198	-1.613	-10.909	2.785	-5.525	-42.829
Nottinghamshire	-7.629	7.785	-4.829	-26.599	-2.21	16.28	0.58	-29.997
Rutland	-5.69	0.931	-2.951	-20.754	0.234	12.695	3.264	-24.34
East of England	-6.558	6.65	-4.064	-24.877	-3.072	13.637	-0.568	-30.067
Bedford	-7.536	7.644	-4.279	-25.732	-5.964	13.167	-2.704	-32.99

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Cambridgeshire	-7.94	3.651	-4.051	-26.488	-6.864	4.444	-1.424	-40.146
Central Bedfordshire	-9.009	6.156	-5.434	-30.584	-1.228	23.853	0.609	-30.177
Essex	-5.871	7.718	-4.153	-23.337	-2.41	5.474	0.144	-26.33
Hertfordshire	-8.887	5.729	-5.092	-33.918	-1.012	19.829	-0.258	-25.347
Luton	-4.504	10.018	-1.811	-25.532	-3.828	29.025	-3.85	-29.634
Norfolk	-5.871	8.165	-3.492	-22.346	-5.408	7.336	-1.264	-34.46
Peterborough	-9.608	-4.534	-4.609	-30.945	1.958	17.759	1.979	-11.853
Southend-on-Sea	-4.069	8.713	-3.486	-17.792	-0.533	32.004	-0.941	-23.395
Suffolk	-2.792	8.754	-2.374	-13.26	-3.489	19.13	-0.501	-33.792
Thurrock	-7.409	2.652	-5.751	-23.879	-1.754	24.909	-1.429	-24.005
Greater London	-2.834	5.243	-1.19	-16.652	-4.625	7.394	-2.609	-27.181
Barking and Dagenham	-4.524	5.583	-2.554	-24.389	-1.399	12.24	-1.931	-14.009
Barnet	-6.045	-0.997	-2.792	-26.636	-0.746	16.554	-0.782	-17.076
Bexley	-5.059	2.573	-4.023	-17.946	-2.991	14.755	-0.198	-34.432
Brent	-0.663	3.783	-0.848	-6.06	-5.863	15.54	-4.071	-30.645
Bromley	1.921	8.377	0.028	3.092	-4.506	4.98	-1.414	-31.191
Camden	-8.867	-3.925	-3.496	-29.989	-11.63	-3.952	-7.444	-38.098
Croydon	-7.818	6.961	-3.543	-36.754	0.92	11.36	0.121	-6.433
Ealing	4.945	11.507	3.015	7.139	-8.799	-2.531	-4.583	-36.105
Enfield	1.673	11.543	1	-6.022	-6.135	6.825	-4.187	-30.284
Greenwich	0.006	13.59	-0.509	-9.014	-8.08	6.122	-5.026	-34.416
Hackney	-7.022	5.429	-2.375	-27.935	-8.919	3.117	-5.403	-35.208
Hammersmith and Fulham	-8.524	-5.302	-5.88	-21.908	-6.476	8.33	-4.284	-27.092
Haringey	-3.497	3.991	-1.907	-15.681	-6.614	1.136	-2.879	-32.412
Harrow	-2.706	10.818	-1.592	-21.281	-0.179	12.417	-0.349	-14.334
Havering	-7.217	1.926	-4.13	-29.098	2.879	15.39	3.126	-13.693
Hillingdon	-7.475	4.669	-2.733	-31.964	-1.916	17.786	-0.754	-24.562
Hounslow	-0.372	7.972	0.927	-13.163	-5.901	7.664	-3.885	-29.066
Islington	-2.364	3.081	-0.899	-13.313	-2.907	-4.066	-0.712	-16.093
Kensington and Chelsea	-12.066	-9.893	-6.662	-35.474	1.252	11.927	1.153	-6.716
Kingston upon Thames	-3.137	8.407	-1.165	-22.03	1.45	9.606	1.806	-10.615
Lambeth	-1.923	6.54	-1.204	-11.47	-8.005	-1.518	-4.943	-29.753
Lewisham	0.371	13.564	-0.708	-5.529	-9.108	9.417	-5.533	-41.445
Merton	-2.652	11.77	-2.199	-16.722	-2.926	9.431	-0.714	-29.303
Newham	-1.63	10.974	-1.224	-14.404	-4.807	10.989	-2.985	-31.321
Redbridge	3.28	12.777	2.708	-2.189	-12.906	4.427	-8.315	-45.017
Richmond upon Thames	-4.943	-0.717	-2.477	-22.53	0.739	13.342	0.537	-11.913
Southwark	-2.579	-1.236	-1.009	-11.894	-8.79	1.984	-5.139	-35.033
Sutton	-4.127	11.126	-3.209	-21.519	-0.034	10.501	1.041	-19
Tower Hamlets	-0.281	11.048	0.424	-14.746	-2.137	6.23	-1.835	-16.152
Waltham Forest	1.315	11.785	0.182	-4.97	-2.621	5.974	-1.483	-19.292
Wandsworth	-4.445	0.965	-2.442	-17.858	-8.264	9.985	-5.547	-35.677
Westminster	-2.038	1.11	0.184	-13.81	-9.828	5.281	-5.798	-37.903
North East England	-3.7	11.794	-2.068	-23.442	1.328	21.122	0.463	-13.293
County Durham	-4.078	12.451	-1.832	-25.456	-0.843	19.935	-0.543	-22.013
Darlington	-4.445	7.861	-3.064	-20.659	3.854	16.242	2.6	-3.023
Gateshead	-6.452	10.102	-4.263	-26.687	2.652	28.41	1.335	-11.401
Hartlepool	-8.106	12.332	-5.222	-35.356	2.351	13.262	0.835	-5.164
Middlesbrough	-2.543	17.039	-1.56	-21.157	-5.518	9.355	-3.792	-31.348
Newcastle upon Tyne	-4.842	16.816	-2.79	-28.771	1.899	10.683	0.999	-5.818
North Tyneside	-3.031	8.781	-3.005	-16.415	5.141	37.825	1.96	-3.36
Northumberland	-2.449	7.633	-0.834	-18.679	-0.509	26.349	-1.127	-18.281
Redcar and Cleveland	-6.749	9.281	-4.231	-29.046	3.063	16.549	1.792	-6.701
South Tyneside	-4.854	7.58	-4.139	-23.831	4.977	31.956	2.575	-10.453
Stockton-on-Tees	-1.049	16.249	-0.209	-19.284	2.691	19.496	1.013	-4.924
Sunderland	-1.116	9.061	0.537	-19.502	1.384	21.08	0.691	-14.286
North West England	-3.002	10.049	-2.489	-15.431	-0.205	17.814	0.566	-19.528
Blackburn with Darwen	3.211	11.3	1.195	2.859	-12.731	24.269	-9.471	-49.705
Blackpool	-0.75	7.199	-1.86	-5.53	-5.18	29.503	-4.556	-30.1
Bolton	2.672	12.946	0.539	1.781	-5.111	27.569	-3.645	-32.703
Bury	-7.276	5.758	-5.474	-24.532	-1.944	19.422	-1.701	-21.068
Cheshire East	-4.143	14.811	-2.45	-24.393	2.848	10.556	3.472	-10.863
Cheshire West and Chester	-3.794	11.874	-3.207	-15.924	1.481	13.561	3.561	-18.401
Cumbria	-0.84	7.912	-0.789	-7.518	-2.293	16.625	0.857	-27.491

eTable 3e: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for 10-19 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Halton	-3.907	10.516	-2.961	-20.674	0.654	17.673	0.284	-15.801
Knowsley	-7.391	4.886	-6.185	-21.548	2.954	17.897	3.725	-15.192
Lancashire	-6.381	7.049	-3.135	-28.337	5.102	22.407	3.952	-4.353
Liverpool	-0.324	11.095	-0.756	-8.68	-1.882	5.104	0.725	-22.962
Manchester	-7.441	8.186	-5.157	-24.969	-5.754	12.734	-3.954	-29.435
Oldham	1.823	11.665	0.706	-3.918	0.779	23.123	0.345	-16.257
Rochdale	-0.013	9.549	-1.153	-6.595	-0.808	10.774	-0.739	-14.412
Salford	-6.604	11.815	-4.645	-23.272	-2.142	17.003	-0.227	-24.756
Sefton	-2.088	12.906	-2.042	-16.437	3.752	13.078	3.078	-3.323
St Helens	-2.142	13.78	-3.134	-11.057	2.645	22.419	2.056	-11.395
Stockport	-5.621	9.221	-4.582	-22.136	3.233	15.791	3.273	-10.436
Tameside	-4.143	6.768	-4.658	-12.691	-5.564	23.535	-3.943	-34.15
Trafford	-5.338	5.2	-3.651	-20.967	-1.606	27.468	-1.504	-24.603
Warrington	-6.637	11.547	-4.265	-27.425	-0.216	11.626	0.572	-17.183
Wigan	8.203	15.315	2.242	27.391	-7.115	7.433	-3.051	-34.877
Wirral	0.935	21.711	-1.939	-4.165	2.086	10.914	1.919	-8.218
South East England	-7.234	5.29	-4.124	-27.302	-2.354	11.322	-0.223	-26.334
Bracknell Forest	-5.577	6.366	-3.409	-22.902	-0.581	19.268	0.805	-24.613
Brighton and Hove	-3.275	13.432	-1.181	-22.955	-2.892	5.611	-1.791	-19.677
Buckinghamshire	0.093	11.409	-0.247	-5.623	-7.662	15.171	-2.743	-41.882
East Sussex	-9.405	8.913	-4.916	-33.411	-0.93	16.039	0.762	-23.41
Hampshire	-9.81	5.205	-5.521	-33.809	-2.622	10.797	0.212	-30.784
Isle of Wight	-6.754	5.978	-4.523	-26.753	-0.559	17.996	0.165	-23.676
Kent	-14.995	-3.976	-8.545	-43.73	1.706	18.69	1.825	-16.555
Medway	-2.198	10.03	-1.553	-15.747	-2.914	14.16	-1.349	-28.532
Milton Keynes	-5.557	2.278	-2.246	-23.796	-4.572	11.726	-2.177	-30.246
Oxfordshire	-5.455	6.694	-3.169	-22.073	-3.238	7.435	-0.219	-29.191
Portsmouth	-3.539	5.543	-2.723	-15.239	-6.192	8.354	-4.373	-28.072
Reading	-4.633	4.411	-2.13	-20.563	-5.916	10.021	-3.655	-30.089
Slough	-5.05	6.719	-2.299	-20.906	-5.265	18.472	-3.679	-26.914
Southampton	-7.041	2.292	-3.209	-30.614	-1.498	16.627	-1.657	-16.655
Surrey	-4.794	1.834	-3.678	-16.727	-0.753	10.466	0.779	-22.145
West Berkshire	-4.89	1.044	-1.871	-22.144	-2.045	10.25	0.219	-24.547
West Sussex	-4.139	14.196	-1.922	-22.951	-3.969	3.096	-0.623	-28.38
Windsor and Maidenhead	-3.325	2.17	-1.8	-15.981	-3.125	20.423	-1.786	-28.857
Wokingham	-4.382	5.893	-2.223	-22.985	1.557	12.453	1.858	-13.182
South West England	-8.496	5.11	-4.479	-30.85	-0.634	15.017	1.059	-22.663
Bath and North East Somerset	-5.514	6.798	-3.212	-26.587	-1.238	5.714	0.353	-22.864
Bournemouth	-3.177	9.858	-2.171	-18.236	-3.429	16.275	-1.945	-28.661
Bristol, City of	-8.75	4.392	-3.888	-36.005	-0.443	9.089	-0.065	-14.92
Cornwall	-0.071	8.508	-0.063	-7.825	-4.596	18.984	-1.369	-34.252
Devon	-3.681	8.455	-2.127	-18.573	0.593	19.395	1.83	-19.855
Dorset	-10.295	-0.002	-4.935	-33.984	1.706	21.519	2.677	-18.173
Gloucestershire	-14.308	0.258	-7.387	-42.176	2.093	12.253	3.84	-17.402
North Somerset	-11.938	7.873	-5.324	-41.887	2.65	20.759	2.962	-16.154
Plymouth	-11.044	6.739	-5.287	-40.102	-1.57	18.894	-0.95	-23.043
Poole	-7.264	4.445	-4.513	-28.402	-0.104	14.714	1.002	-21.529
Somerset	-10.243	5.578	-5.188	-34.038	-0.729	17.583	1.826	-26.808
South Gloucestershire	-9.04	6.837	-6.255	-30.035	0.913	20.032	1.85	-21.774
Swindon	-6.374	0.516	-4.672	-21.461	1.191	21.876	1.818	-18.61
Torbay	-8.422	1.461	-5.565	-27.843	-0.877	12.743	-0.814	-14.735
Wiltshire	-13.151	3.005	-6.996	-40.061	-1.338	12.726	0.318	-22.336
West Midlands	-6.68	4.783	-4.283	-24.702	-0.546	21.388	0.225	-22.431
Birmingham	-3.201	4.952	-2.672	-15.125	-0.594	24.221	-0.574	-22.156
Coventry	-11.233	3.321	-7.296	-36.625	-0.932	21.067	-1.369	-18.729
Dudley	-6.925	7.517	-5.087	-26.75	1.993	28.305	0.286	-12.045
Herefordshire, County of	-2.989	-1.103	-1.862	-13.28	9.133	47.694	5.808	1.136
Sandwell	-11.288	3.628	-7.016	-39.002	4.823	24.406	2.403	-2.68
Shropshire	-3.102	2.028	-2.391	-10.55	-6.325	26.286	-1.244	-43.849
Solihull	-3.602	1.602	-2.857	-14.981	6.49	16.342	6.609	-5.701
Staffordshire	-11.859	0.387	-6.458	-36.189	1.186	18.35	1.602	-15.37
Stoke-on-Trent	-0.961	12.786	-0.859	-11.392	-9.233	14.394	-6.398	-38.257
Telford and Wrekin	-5.71	3.605	-2.507	-23.181	-2.968	14.815	0.135	-29.863
Walsall	-4.457	5.713	-4.465	-14.393	-1.703	31.21	-1.409	-27.441

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Warwickshire	-10.902	2.28	-7.072	-30.906	-0.709	17.712	2.015	-27.554
Wolverhampton	-6.332	6.009	-4.34	-25.427	0.061	22.875	-0.135	-19.085
Worcestershire	-5.286	8.43	-2.571	-24.428	-3.624	9.221	-0.966	-28.849
Yorkshire and the Humber	-4.017	7.334	-2.642	-19.192	-1.484	15.427	-0.576	-20.802
Barnsley	-3.735	4.027	-2.382	-17.54	1.041	30.886	0.237	-18.334
Bradford	-1.535	4.86	-0.989	-10.818	-9.457	11.902	-6.878	-40.226
Calderdale	-7.834	5.752	-6.174	-24.35	5.808	27.088	3.945	-1.744
Doncaster	-1.178	12.001	-1.608	-10.415	-2.903	20.223	-1.961	-25.715
East Riding of Yorkshire	-5.985	8.842	-3.478	-23.988	2.417	19.883	3.487	-15.666
Kingston upon Hull, City of	3.026	9.297	1.363	0.635	-3.69	13.772	-3.216	-21.178
Kirklees	-6.115	5.996	-4.063	-24.781	-1.07	12.988	-0.916	-16.293
Leeds	-4.127	2.919	-1.826	-21.059	-1.414	11.977	-0.745	-18.009
North East Lincolnshire	-4.528	6.178	-3.071	-17.625	-2.764	15.954	-0.227	-27.876
North Lincolnshire	-8.828	6.289	-4.307	-31.955	4.442	27.714	3.033	-6.256
North Yorkshire	-7.578	6.559	-4.298	-27.008	-1.488	18.756	0.973	-28.514
Rotherham	-4.53	6.932	-4.155	-17.967	3.184	16.8	2.684	-9.798
Sheffield	-1.584	11.358	-1.012	-16.625	-2.305	11.33	-1.937	-20.049
Wakefield	-9.827	-1.931	-6.703	-29.952	3.95	10.142	2.754	-0.131
York	-3.619	-0.476	-1.192	-18.489	3.238	23.06	2.62	-7.879
Northern Ireland	-2.477	14.225	0.371	-19.253	-5.206	4.298	-0.907	-29.544
Scotland	-1.089	4.895	0.495	-13.939	-1.837	22.633	0.102	-27.666
Wales	2.838	23.393	0.502	-5.847	-2.682	15.055	-1.622	-23.126
Latin America and Caribbean	1.464	3.814	1.483	-1.844	4.497	18.891	1.931	1.943
Andean Latin America	-7.539	-3.426	-2.344	-20.19	-4.996	0.46	-1.619	-15.494
Bolivia	-4.378	3.104	-2.39	-18.131	-2.95	14.27	-1.415	-20.398
Ecuador	2.89	-4.505	0.91	11.13	-1.346	2.974	0.383	-9.73
Peru	-12.72	-2.769	-4.196	-35.327	-8.877	-5.475	-3.619	-22.627
Caribbean	-2.697	13.327	-3.081	-12.013	10.069	25.925	0.163	25.286
Antigua and Barbuda	0.782	4.53	0.682	2.167	11.491	27.653	5.183	24.223
The Bahamas	9.189	30.641	2.112	17.957	2.425	7.11	-0.087	7.689
Barbados	10.317	21.184	5.367	18.614	-5.854	-0.24	-3.601	-15.353
Belize	38.485	58.34	8.885	71.221	0.612	45.336	2.756	-22.35
Bermuda	-14.846	1.063	-8.795	-38.554	-5.35	1.177	-2.529	-23.601
Cuba	-17.729	0.786	-9.236	-42.42	0.835	23.953	1.973	-19.979
Dominica	11.665	35.422	6.241	8.721	15.054	27.51	8.61	27.631
Dominican Republic	-1.507	2.884	-6.846	4.734	17.611	38.399	6.72	27.079
Grenada	8.575	43.557	0.999	-5.871	7.765	36.205	2.744	1.881
Guyana	6.709	24.271	2.69	-1.009	4.59	4.909	3.11	9.539
Haiti	-8.254	3.337	-7.953	-21.878	7.48	22.17	-6.644	11.79
Jamaica	6.523	15.082	1.479	22.239	15.885	23.224	4.516	64.761
Puerto Rico	7.585	21.012	5.819	6.826	30.868	8.158	-2.511	125.142
Saint Lucia	10.514	30.339	2.715	14.331	1.442	17.514	0.096	-5.319
Saint Vincent and the Grenadines	26.096	50.138	13.213	39.18	12.532	15.782	9.848	15.212
Suriname	-2.812	5.18	-0.73	-12.544	7.898	16.674	3.512	13.197
Trinidad and Tobago	-1.801	37.458	-1.749	-21.199	4.649	-2.083	-0.244	25.54
Virgin Islands, U.S.	-4.25	25.373	-1.91	-19.194	3.623	5.093	0.311	13.986
Central Latin America	0.571	8.077	-0.489	-4.03	2.293	13.309	2.866	-4.264
Colombia	8.314	17.43	-1.533	11.628	-22.555	5.357	0.733	-52.206
Costa Rica	7.862	26.374	2.434	7.69	8.063	34.255	4.189	1.495
El Salvador	-5.216	33.378	-3.775	-23.94	11.632	44.847	8.159	-0.308
Guatemala	-5.402	-5.812	-4.813	-9.925	-0.671	-0.493	0.491	-5.926
Honduras	1.744	14.056	-9.919	0.949	-4.697	15.886	-4.333	-25.628
Mexico	-6.41	1.501	-0.285	-23.581	14.278	14.655	4.012	36.777
Aguascalientes	-2.494	16.184	0.983	-19.479	14.087	10.929	6.251	34.725
Baja California	-6.652	7.8	-0.277	-23.118	-2.266	-8.923	-1.487	-0.491
Baja California Sur	-6.06	-5.263	0.218	-18.975	11.975	0.604	4.779	39.245
Campeche	-5.348	21.764	-1.599	-29.664	20.354	27.46	7.373	49.222
Chiapas	-4.397	-12.335	0.944	-13.353	8.35	7.593	2.79	15.899
Chihuahua	-12.949	-7.494	-4.696	-26.279	11.176	9.47	3.525	22.702
Coahuila	-6.436	3.91	-2.105	-22.223	7.94	-1.985	2.126	27.943
Colima	-8.124	8.389	-2.018	-26.421	9.719	11.543	1.297	27.895
Mexico City	-1.31	20.519	0.304	-16.44	17.19	5.888	3.402	66.2
Durango	-8.782	1.066	-0.415	-28.5	17.843	29.273	5.029	36.406
Guanajuato	-3.837	8.925	0.177	-21.658	16.537	18.83	4.966	38.384

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Guerrero	1.134	14.88	1.025	-13.286	35.816	37.022	11.134	73.287
Hidalgo	-4.181	19.062	-3.549	-29.046	22.948	30.037	8.251	50.768
Jalisco	-6.059	15.129	0.243	-27.561	15	15.196	3.572	40.611
Mexico	-8.663	8.876	-0.017	-31.464	10.87	9.562	4.408	26.341
Michoacan de Ocampo	-0.641	12.96	2.193	-16.614	15.879	18.918	6.193	27.577
Morelos	-5.543	1.465	-0.502	-21.271	24.221	24.661	7.614	63.133
Nayarit	-10.754	8.981	-2.374	-34.219	14.77	17.569	3.402	36.898
Nuevo Leon	-5.957	0.068	-0.626	-22.37	12.146	5.961	1.754	48.007
Oaxaca	-17.149	-24.488	-6.705	-32.775	15.054	14.2	6.077	30.328
Puebla	-8.222	-15.534	-2.077	-21.211	22.268	27.836	5.834	52.884
Queretaro	6.881	28.589	3.677	-3.497	3.402	10.183	-0.516	7.646
Quintana Roo	-1.971	25.356	1.239	-22.892	16.262	16.986	5.827	42.103
San Luis Potosi	-7.236	5.14	-2.399	-26.558	21.802	15.41	8.564	54.26
Sinaloa	-2.095	16.423	1.66	-17.969	9.334	3.872	-0.228	31
Sonora	-11.326	-9.773	-1.58	-29.525	13.162	13.443	3.922	35.115
Tabasco	-3.801	16.813	-0.559	-22.432	19.047	16.833	6.7	45.7
Tamaulipas	-9.585	7.977	-2.445	-30.54	8.352	5.87	0.421	29.592
Tlaxcala	-4.493	7.682	-0.438	-24.289	18.027	30.376	8.081	33.229
Veracruz de Ignacio de la Llave	-5.236	1.388	0.266	-25.596	19.061	23.359	5.256	50.066
Yucatan	-0.549	11.091	1.714	-18.204	17.48	19.859	6.036	51.365
Zacatecas	1.25	15.797	1.31	-11.017	16.723	15.999	3.574	38.653
Nicaragua	2.167	22.877	-2.137	-16.452	-5.003	24.682	0.216	-42.482
Panama	1.088	21.077	-0.089	-9.234	10.445	35.743	4.327	13.303
Venezuela	17.405	14.243	1.541	42.151	12.336	28.71	2.029	20.414
Tropical Latin America	5.65	-0.305	5.154	7.254	10.716	32.42	4.45	12.142
Brazil	5.409	-0.938	5.132	6.803	11.628	35.468	4.739	13.573
Acre	10.255	9.049	7.387	5.105	21.847	53.63	6.433	28.729
Alagoas	11.588	5.679	4.427	12.963	48.593	63.114	10.315	95.864
Amapa	19.048	-1.266	10.438	43.073	15.629	53.24	7.951	13.629
Amazonas	4.812	3.941	5.355	-2.863	23.987	52.478	9.586	37.195
Bahia	9.9	2.925	7.89	7.019	13.858	57.302	0.946	12.535
Ceara	18.287	14.913	8.508	39.176	34.056	43.066	8.529	79.459
Distrito Federal	18.034	8.985	7.831	44.231	-5.429	3.965	-0.138	-13.228
Espirito Santo	12.82	1.875	5.104	31.405	10.119	27.78	4.725	12.805
Goias	-0.064	0.719	2.386	-11.447	28.265	41.408	7.094	59.175
Maranhao	11.416	6.013	5.711	14.78	12.796	51.872	1.436	-7.466
Mato Grosso	1.562	-6.839	3.962	-1.432	16.927	40.305	5.182	27.534
Mato Grosso do Sul	14.719	10.224	8.744	24.85	6.766	25.679	3.919	2.19
Minas Gerais	5.649	6.617	4.994	2.081	21.261	33.225	5.292	55.175
Para	7.287	3.879	7.005	4.242	15.205	27.644	3.908	28.139
Paraiba	12.064	8.947	6.751	15.308	32.995	52.123	8.188	65.895
Parana	5.84	1.764	4.077	8.652	16.181	25.204	5.695	32.446
Pernambuco	13.904	0.682	4.42	28.38	18.068	45.25	7.558	15.756
Piaui	13.784	4.642	7.867	23.39	35.238	43.851	10.165	78.2
Rio de Janeiro	-6.7	-8.319	-5.184	-8.149	9.216	29.536	9.258	6.259
Rio Grande do Norte	16.878	19.939	8.723	24.963	50.771	41.203	12.331	139.751
Rio Grande do Sul	-1.596	-9.3	4.122	-11.025	18.216	27.504	6.465	41.962
Rondonia	1.428	-18.192	5.603	0.401	13.849	52.962	6.935	5.055
Roraima	16.188	7.813	11.282	24.404	10.995	50.696	9.24	-2.738
Santa Catarina	-2.032	-2.936	1.634	-11.117	12.724	26.066	6.722	19.505
Sao Paulo	4.788	-5.927	3.777	9.789	-12.791	21.137	1.761	-43.618
Sergipe	9.561	9.435	7.666	3.955	46.813	64.79	10.665	108.048
Tocantins	6.433	-10.031	6.642	14.327	31.59	67.325	10.621	48.987
Paraguay	19.329	25.319	6.521	48.051	6.723	21.191	3.65	2.269
North Africa and Middle East	-5.356	11.419	1.198	-27.099	10.355	31.742	-0.32	22.621
North Africa and Middle East	-5.356	11.419	1.198	-27.099	10.355	31.742	-0.32	22.621
Afghanistan	-9.052	-17.743	-0.202	-9.096	-6.098	-2.441	-0.891	-42.369
Algeria	12.496	22.981	5.471	17.355	-13.046	4.123	-3.872	-40.14
Bahrain	6.812	3.507	0.172	29.161	-19.932	-0.791	-9.812	-56.572
Egypt	-6.09	0.793	-2.929	-20.334	1.188	16.525	0.463	-8.278
Iran	-23.137	18.364	5.031	-53.521	-0.683	54.619	1.368	-21.684
Iraq	-2.97	0.299	3.885	-18.27	15.738	7.056	-15.423	65.757
Jordan	-5.917	-6.881	-0.5	-17.928	-12.54	20.589	-11.089	-37.288
Kuwait	-33.183	-9.437	-5.777	-67.828	-5.319	26.25	-5.519	-23.657

eTable 3e: Percent change of observed to expected DALYs rate from 1990 to 2000 and 2000 to 2017 for each GBD location, for all causes combined and separately for communicable, maternal, neonatal, and nutritional (CMNN), non-communicable diseases (NCDs), and injuries for 10-19 years, both sexes combined

	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Lebanon	-24.318	9.324	-1.199	-64.076	7.161	37.437	2.862	-1.796
Libya	5.721	13.697	2.863	9.884	18.432	6.135	3.073	70.366
Morocco	-1.732	0.736	0.763	-15.181	0.854	16.221	2.95	-20.329
Palestine	28.06	16.886	-1.135	66.434	-25.157	24.353	-2.69	-70.175
Oman	-0.659	17.424	0.785	-14.992	-0.452	24.273	-0.018	-10.801
Qatar	-4.133	10.079	-8.43	-1.836	-9.384	12.23	-5.041	-26.385
Saudi Arabia	11.659	56.033	6.049	-13.015	12.25	26.069	3.316	28.193
Sudan	0.166	8.785	-2.235	-20.2	10.861	49.483	2.189	-22.112
Syria	-1.136	12.09	-4.623	-22.409	153.846	60.079	-9.193	891.445
Tunisia	5.942	26.676	3.303	-9.988	-2.366	36.46	-1.707	-25.771
Turkey	-4.438	7.068	-2.89	-22.189	10.628	18.99	2.037	34.538
United Arab Emirates	3.383	9.78	3.533	1.983	2.427	14.336	1.241	2.146
Yemen	1.312	3.42	-0.088	-10.747	37.653	46.686	0.644	83.225
South Asia	5.205	17.836	0.284	0.527	-11.735	20.583	-8.932	-29.995
South Asia	5.205	17.836	0.284	0.527	-11.735	20.583	-8.932	-29.995
Bangladesh	-7.061	-4.583	-6.314	-15	-2.006	8.349	-6.824	-1.221
Bhutan	14.319	9.979	-4.511	74.494	-13.87	36.784	-0.078	-59.556
India	4.926	18.677	0	-1.031	-15.559	23.416	-12.178	-37.413
Andhra Pradesh	4.614	21.826	-2.942	-8.512	-3.807	52.417	-7.522	-36.959
Arunachal Pradesh	4.794	20.933	-0.963	-5.63	-8.077	31.457	-6.197	-27.451
Assam	12.353	27.908	3.584	13.918	-36.337	-14.675	-26.733	-54.867
Bihar	-5.377	-16.8	6.491	13.325	-20.91	1.363	-18.503	-44.87
Chhattisgarh	-0.601	8.815	-3.071	-10.672	-2.511	30.045	-3.055	-0.282
Delhi	3.187	21.895	3.131	2.337	-15.769	17.886	-10.039	-27.099
Goa	2.468	17.607	2.925	-2.508	-11.226	22.719	-11.256	-21.302
Gujarat	2.014	22.543	-2.605	-9	-17.839	22.407	-13.877	-40.148
Haryana	1.869	20.393	-2.354	-8.191	-3.749	53.489	-5.572	-20.449
Himachal Pradesh	-0.197	31.217	-6.737	-21.058	6.416	59.856	1.417	14.393
Jammu and Kashmir	16.491	21.164	-0.546	39.503	-18.329	43.463	-8.633	-57.211
Jharkhand	1.97	0.145	4.185	11.018	-16.034	16.611	-13.789	-39.682
Karnataka	8.266	26.85	-0.567	0.242	5.643	58.533	-2.656	-7.22
Kerala	9.163	26.511	2.665	3.763	-6.524	70.224	-12.053	-36.258
Madhya Pradesh	3.69	12.21	-0.186	0.069	-21.327	5.289	-16.664	-38.9
Maharashtra	10.928	38.278	2.541	1.904	-21.703	17.425	-14.77	-46.601
Manipur	8.411	24.58	0.604	11.936	-3.962	30.43	-0.344	-22.551
Meghalaya	5.368	20.852	-0.026	2.88	-4.806	36.574	-4.024	-16.251
Mizoram	7.935	31.076	2.374	10.131	-3.652	32.149	-1.411	-16.041
Nagaland	8.259	30.165	2.226	3.377	-10.361	31.258	-4.722	-18.039
Odisha	24.383	38.366	12.182	28.228	-29.005	0.896	-25.718	-46.899
Punjab	-6.018	14.497	-4.57	-24.902	-4.521	44.096	-3.732	-24.159
Rajasthan	-5.545	4.19	-6.174	-17.541	-10.907	17.522	-8.16	-27.741
Sikkim	4.28	22.509	1.883	-11.4	-4.948	53.541	-4.427	-22.499
Tamil Nadu	3.95	19.299	-1.432	-1.915	-9.69	44.959	-9.201	-30.2
Telangana	6.487	24.046	-1.184	-5.777	-1.794	75.421	-7.655	-35.181
Tripura	6.516	13.612	-2.263	17.572	-12.213	25.169	-5.715	-41.832
Uttar Pradesh	2.63	13.78	-2.425	-5.214	-21.287	6.269	-15.113	-41.421
Uttarakhand	1.641	11.655	-1.524	-1.777	-2.391	67.06	-2.67	-20.68
West Bengal	-3.338	4.937	-3.695	-11.737	-14.227	19.353	-11.322	-37.957
Union Territories other than Delhi	5.749	24.927	0.852	2.498	-5.618	38.383	-3.843	-17.17
Nepal	-7.47	-8.904	-7.149	-6.029	6.87	8.736	4.039	6.6
Pakistan	12.391	14.124	8.677	24.138	2.81	15.554	1.632	0.055
Southeast Asia, East Asia, and Oceania	0.833	18.847	-2.475	-5.695	-2.734	34.784	-1.744	-20.708
East Asia	2.985	28.754	-3.982	-3.619	-8.201	36.765	-7.618	-26.515
China	3.394	28.039	-4.05	-3.283	-8.483	40.501	-8.162	-27.925
North Korea	28.611	138.28	0.88	12.315	-15.045	-57.802	4.114	8.657
Taiwan	-7.469	6.344	-0.11	-19.543	-9.282	20.576	2.118	-37.858
Oceania	1.655	3.308	2.311	-0.869	0.201	4.497	-0.007	-2.689
American Samoa	0.166	3.938	0.71	-2.315	1.885	16.12	1.914	-6.122
Federated States of Micronesia	0.996	6.777	0.506	-0.942	-1.865	4.6	-0.73	-7.214
Fiji	17.457	27.409	11.243	31.119	-9.719	-12.431	-4.78	-14.453
Guam	-1.58	16.894	-1.634	-8.642	9.446	14.534	7.075	15.581
Kiribati	1.018	-1.671	2.875	2.034	-2.924	-1.21	-3.712	-3.331
Marshall Islands	24.226	28.987	14.804	35.865	-3.055	12.789	-4.669	-11.755
Northern Mariana Islands	-5.435	1.195	-3.155	-14.869	12.552	9.904	9.086	25.179

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Papua New Guinea	1.169	4.378	0.556	-4.583	3.719	14.573	-0.699	-3.621
Samoa	-6.063	-10.719	-1.375	-12.783	-5.177	-1.893	-4.507	-9.301
Solomon Islands	4.889	2.482	1.189	9.654	-0.634	10.304	-0.046	-15.256
Tonga	5.583	10.76	6.16	2.629	1.774	6.107	2.909	-0.054
Vanuatu	4.277	-0.024	2.959	11.599	2.848	8.773	0.949	-1.702
Southeast Asia	-1.585	9.457	0.509	-8.565	-3.975	5.564	1.101	-14.189
Cambodia	0.071	10.608	-1.267	-17.268	-1.574	22.941	-1.378	-28.481
Indonesia	-2.659	8.625	0.115	-7.353	-2.082	10.019	1.456	-7.87
Laos	-5.58	-3.868	-4.768	-14.154	-9.666	9.295	-7.659	-32.891
Malaysia	1.06	10.357	-1.402	4.02	7.194	38.626	4.015	2.171
Maldives	-5.854	19.33	-9.941	-27.965	-15.198	0.309	-10.419	-48.263
Mauritius	0.324	13.355	0.327	-9.87	8.969	31.538	3.574	13.584
Myanmar	-1.893	7.349	-2.146	-13.792	-1.464	19.135	-6.702	-0.378
Philippines	-7.468	-12.052	-1.068	-10.827	0.059	0.91	4.859	-7.694
Sri Lanka	-8.059	-5.772	0.119	-18.685	-19.072	3.786	-3.46	-51.099
Seychelles	13.256	10.203	7.616	37.88	-0.822	13.596	-1.737	-7.374
Thailand	0.786	7.829	0.491	-3.947	-6.432	18.543	-2.336	-19.556
Timor-Leste	-12.865	-9.979	-7.542	-28.457	8.835	72.156	3.807	-39.657
Vietnam	3.784	8.912	1.761	-1.303	3.819	9.051	3.725	-2.081
Sub-Saharan Africa	4.753	10.252	0.636	6.059	-4.77	28.309	-3.594	-40.916
Central Sub-Saharan Africa	3.727	7.426	-1.189	9.766	-1.987	29.552	-0.751	-24.499
Angola	-0.11	6.263	-0.983	-8.989	-8.921	39.998	-4.146	-53.024
Central African Republic	10.056	17.764	0.78	7.954	19.14	24.02	-2.009	53.868
Congo	25.3	53.527	3.528	35.045	-10.57	33.884	-1.377	-41.892
Democratic Republic of the Congo	-3.85	-10.681	-2.468	15.928	-5.31	4.257	-1.32	-17.937
Equatorial Guinea	3.755	45.949	-9.395	-32.795	19.809	177.443	1.966	-26.984
Gabon	8.918	45.127	1.961	-5.136	-2.246	28.994	2.134	-6.802
Eastern Sub-Saharan Africa	-0.845	0.173	-1.594	-1.177	-4.35	33.198	-3.815	-50.988
Burundi	61.777	1.054	-9.004	438.659	-51.439	-19.916	-10.379	-86.418
Comoros	-1.467	13.199	-7.335	-19.585	-3.212	6.708	-3.782	-17.058
Djibouti	-3.213	-3.925	2.222	-13.54	12.652	76.304	-2.779	-19.251
Eritrea	-64.964	3.754	9.098	-87.316	-22.055	19.383	-9.17	-66.39
Ethiopia	-4.227	-20.063	-7.036	28.115	-21.698	13.927	-8.259	-74.311
Kenya	16.4	36.931	2.698	22.433	14.947	60.973	2.945	-2.958
Baringo	12.884	17.318	5.009	33.588	-4.581	11.87	-5.871	-16.887
Bomet	28.007	63.503	4.809	25.081	34.226	109.789	7.225	23.342
Bungoma	1.818	12.065	-1.451	-4.797	6.479	31.78	0.27	-1.514
Busia	14.258	26.825	4.765	27.079	0.911	18.962	0.624	0.611
Elgeyo-Marakwet	17.184	35.561	4.021	18.218	13.59	61.219	1.402	-4.137
Embu	12.395	36.051	2.285	5.541	23.96	73.426	8.305	25.172
Garissa	7.55	14.472	-0.965	1.119	7.648	22.908	-2.548	-2.004
HomaBay	32.526	68.55	3.278	12.219	34.241	129.215	-5.793	-18.228
Isiolo	17.782	4.745	-6.145	124.972	-10.444	6.636	-1.37	-38.856
Kajiado	17.547	36.261	4.933	34.492	6.367	38.669	0.293	-1.284
Kakamega	17.308	44.308	-0.101	4.37	11.877	43.988	2.559	-1.774
Kericho	23.703	49.19	4.25	27.644	36.167	124.608	6.904	20.667
Kiambu	22.021	49.099	8.232	28.678	7.861	50.384	-0.102	-6.483
Kilifi	4.19	16.542	-2.474	-1.619	11.511	41.658	3.178	5.026
Kirinyaga	15.47	32.209	4.923	22.886	20.364	75.274	5.294	8.378
Kisii	13.912	40.812	2.203	0.909	-3.32	20.965	-2.153	-15.045
Kisumu	34.131	72.19	8.141	22.392	20.669	83.442	0.889	8.871
Kitui	11.681	31.906	-0.882	-0.267	17.906	58.887	3.213	9.979
Kwale	3.51	16.118	-3.328	-5.454	11.803	35.224	7.454	28.662
Laikipia	23.281	39.773	5.759	61.929	30.377	145.165	4.579	-8.011
Lamu	7.242	21.272	-0.82	0.376	48.278	28.154	4.532	322.412
Machakos	14.665	47.199	1.261	0.949	21.622	68.548	5.313	20.707
Makueni	12.758	36.619	-1.309	-4.254	31.774	111.553	1.685	1.309
Mandera	14.793	18.41	-2.567	20.17	14.202	46.767	-0.17	-28.229
Marsabit	8.786	3.309	-3.908	67.468	10.52	43.748	3.48	-33.597
Meru	16.427	42.132	3.324	8.781	32.786	95.357	9.098	34.936
Migori	10.154	25.564	-1.57	-2.229	30.357	100.488	-1.456	-2.271
Mombasa	9.161	34.352	-0.395	8.668	5.245	32.58	3.427	9.205
Murang'a	17.29	45.8	3.612	15.117	22.406	74.471	6.384	12.251
Nairobi	12.422	27.059	7.842	23.128	3.068	26.491	1.438	15.853

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	% Δ O:E DALY rate 1990-2000				% Δ O:E DALY rate 2000-2017			
Location	All cause	CMNN	NCD	Injuries	All cause	CMNN	NCD	Injuries
Nakuru	18.234	47.797	1.982	17.271	34.967	129.46	9.529	10.719
Nandi	16.586	39.87	3.267	18.105	5.383	31.566	1.768	0.805
Narok	17.005	31.315	2.095	15.559	6.796	26.248	0.105	-7.655
Nyamira	19.307	49.573	3.344	10.402	16.524	47.153	13.645	33.104
Nyandarua	25.858	53.69	9.041	28.409	25.759	98.365	5.057	11.593
Nyeri	26.278	58.866	6.215	44.874	15.447	69.469	3.963	-11.214
Samburu	28.331	15.482	-1.725	184.706	10.259	71.067	2.531	-56.352
Siaya	11.729	36.951	-4.596	-9.708	16.184	77.399	-1.68	-14.655
TaitaTaveta	15.847	45.773	1.994	8.245	23.849	80.027	6.075	18.213
TanaRiver	13.477	21.633	3.415	21.149	22.931	52.028	3.996	26.456
TharakaNithi	13.467	37.087	1.424	4.468	-4.281	13.026	-1.166	-5.038
TransNzoia	17.36	44.695	0.956	12.614	37.446	112.049	9.123	26.919
Turkana	35.827	-1.864	2.552	336.812	-6.985	61.613	-1.645	-75.904
UasinGishu	17.051	46.959	3.118	12.951	16.703	70.24	2.762	5.75
Vihiga	18.61	50.784	-0.774	-3.085	5.602	15.445	10.687	24.795
Wajir	21.624	10.474	5.507	96.17	-7.503	8.393	-2.551	-51.596
WestPokot	5.576	-0.917	1.496	65.07	10.49	42.926	2.187	-28.777
Madagascar	-17.47	-19.017	-13.26	-23.937	-13.406	-7.087	-13.259	-31.456
Malawi	5.333	6.33	7.893	6.252	25.124	72.614	-1.385	-15.961
Mozambique	-3.634	4.581	-4.041	-26.549	50.077	143.75	2.076	-20.48
Rwanda	5.605	1.356	-5.022	24.99	-33.763	-9.658	-15.234	-72.775
Somalia	-12.026	-20.066	11.484	-21.618	2.343	-7.228	-7.5	27.867
South Sudan	-5.954	-13.67	-1.583	18.027	10.678	5.292	3.823	33.682
Tanzania	1.712	5.528	1.885	-2.974	8.681	33.029	1.101	-2.377
Uganda	33.432	53.273	9.36	22.312	2.92	36.491	0.05	-28.184
Zambia	7.323	16.107	1.581	2.513	11.602	75.924	-6.993	-24.49
Southern Sub-Saharan Africa	38.997	77.452	16.262	47.821	-6.008	72.57	-12.783	-52.003
Botswana	11.396	51.911	0.424	1.024	-1.043	24.351	4.054	-5.718
Lesotho	31.9	69.214	6.368	28.559	47.248	165.249	5.273	6.126
Namibia	20.209	55.663	5.707	14.813	2.635	80.206	-3.411	-36.968
South Africa	42.111	92.68	16.451	50.697	-14.892	79.189	-20.148	-64.925
Swaziland	36.178	104.123	11.663	20.338	20.798	107.288	-1.072	-14.016
Zimbabwe	40.606	70.296	18.415	53.568	1.8	11.513	-0.643	-11.044
Western Sub-Saharan Africa	4.324	12.015	-0.461	0.548	-0.499	23.732	-3.713	-15.77
Benin	0.059	5.574	-3.218	-7.418	1.618	24.993	-4.854	-23.291
Burkina Faso	3.548	11.668	-5.01	-8.536	-4.519	-1.243	-5.813	-7.097
Cameroon	6.344	15.838	1.262	-0.664	3.622	42.932	-3.96	-12.795
Cape Verde	13.57	27.85	-0.214	21.103	11.943	56.418	3.757	-8.357
Chad	7.733	11.609	-0.266	7.498	1.882	15.15	-3.275	-27.811
Cote d'Ivoire	13.444	24.742	3.74	15.538	-7.128	3.131	-4.004	-17.128
The Gambia	6.22	20.842	-4.3	-4.815	11.328	31.571	1.882	5.951
Ghana	0.972	11.381	-0.635	-7.417	10.966	52.817	1.717	10.548
Guinea	7.474	10.387	-5.726	28.614	4.339	30.176	-1.416	-36.224
Guinea-Bissau	1.331	8.249	-5.995	-7.491	10.304	47.434	-6.707	-21.502
Liberia	-38.518	-3.001	-7.414	-83.477	5.181	33.08	-4.495	-36.012
Mali	-0.701	-2.411	-5.906	14.037	-6.974	7.079	-8.259	-41.441
Mauritania	0.234	9.722	-2.047	-12.459	-1.306	15.228	-1.342	-18.279
Niger	-3.95	0.364	-7.364	-19.048	-10.989	-11.462	-9.542	-23.249
Nigeria	6.179	13.681	1.551	8.502	-1.54	26.866	-3.137	-10.51
Sao Tome and Principe	7.617	11.245	3.074	6.139	3.961	33.735	-6.872	-7.803
Senegal	1.275	9.161	-2.703	-8.683	-6.761	-4.429	-4.067	-9.741
Sierra Leone	13.509	15.507	-5.969	65.857	-7.207	16.041	-3.262	-48.577
Togo	8.599	25.129	-2.953	-2	11.456	55.36	-7.375	-12.841