

# THE LANCET

## Infectious Diseases

### Supplementary appendix

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# Supplementary Appendix: The burden of *Shigella* and enterotoxigenic *E. coli*: an analysis from the Global Burden of Disease Study 2016

This document provides supplementary material on the data and input values used in modelling the global burden of diarrhoea due to *Shigella* and Enterotoxigenic *E. coli*. Additional details on the broader modelling of diarrhoea mortality and morbidity are available elsewhere.

General Global Burden of Disease information, including on statistical modelling platforms and core assumptions regarding the study, can be found in these references.<sup>1-4</sup>

Diarrhoea-specific modelling information and detail on assumptions regarding disease can be found in these references.<sup>5,6</sup>

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## Comparison with other estimates

The *Shigella* burden estimates generated in this analysis align well with major diarrhoeal disease studies like GEMS and MCEE. However, the ETEC estimates presented do not align well with the ETEC findings in these studies, where *Shigella* and ETEC burdens tended to be close. Both ETEC and *Shigella* were among the top 5-6 agents associated with MSD in GEMS and also were leading contributors to dysentery, dehydration, or hospitalization in MAL-ED and align more closely with WHO MCEE burden and mortality estimates. In general, there are difficulties in accurately detecting ETEC. Most countries do not have the capability to detect ETEC using culture-based methods linked to toxin/CFA detection based on bioassay and Mab reaction of colonies, or to utilise DNA-based detections on ETEC colonies isolated from stools.

In this q-PCR based analysis, LT-only ETEC strains were not considered a pathogen, and LT-only ETEC strains were associated with diarrhoea in some studies. Though molecular diagnostics detect more ETEC, we account for this by adjusting monomolecular diagnostic test results using the sensitivity and specificity of bacterial culture to the q-PCR case definition. This is reflected in the increasing attribution in GBD 2016 compared to GBD 2013, which used a non-molecular case definition based on conventional techniques.

In addition, the GEMs study, which provided much of the data this analysis used to provide pathogen-specific estimates, may have underestimated ETEC incidence by testing only 3 colonies from stool. Many experts have suggested that screening 5 colonies per stool may have been a more appropriate choice. A number of studies have shown that sensitivity improves as the number of colonies tested increases.<sup>7,8</sup>

Another factor in our lower ETEC burden estimation may be the use of molecular diagnostics as a gold standard. This strategy is a recent advancement and still being developed and used primarily in research settings. The relationship between conventional laboratory techniques and quantitative PCR used in the present study is informed by few studies.

### Supplementary Table 1. Data points used for aetiology proportion modelling

The number and percent of data points coming from diarrhoeal stool samples in a hospitalized inpatient sample population, the number and percent of data points that are from studies that only investigated *Shigella* or ETEC as the exclusive diarrhoeal aetiology, and the number and percent of data points that are among children under-5 is shown.

Pathogen	Data points	Inpatient population Number (% of data points)	Single pathogen testing Number (% of data points)	Under-5 Number (% of data points)
<i>Shigella</i>	824	322 (39.1%)	34 (4.1%)	498 (60.4%)
ETEC	344	150 (43.6%)	16 (4.7%)	261 (75.9%)

### Supplementary Table 2. The association of *Shigella* and ETEC with moderate-to-severe diarrhoea

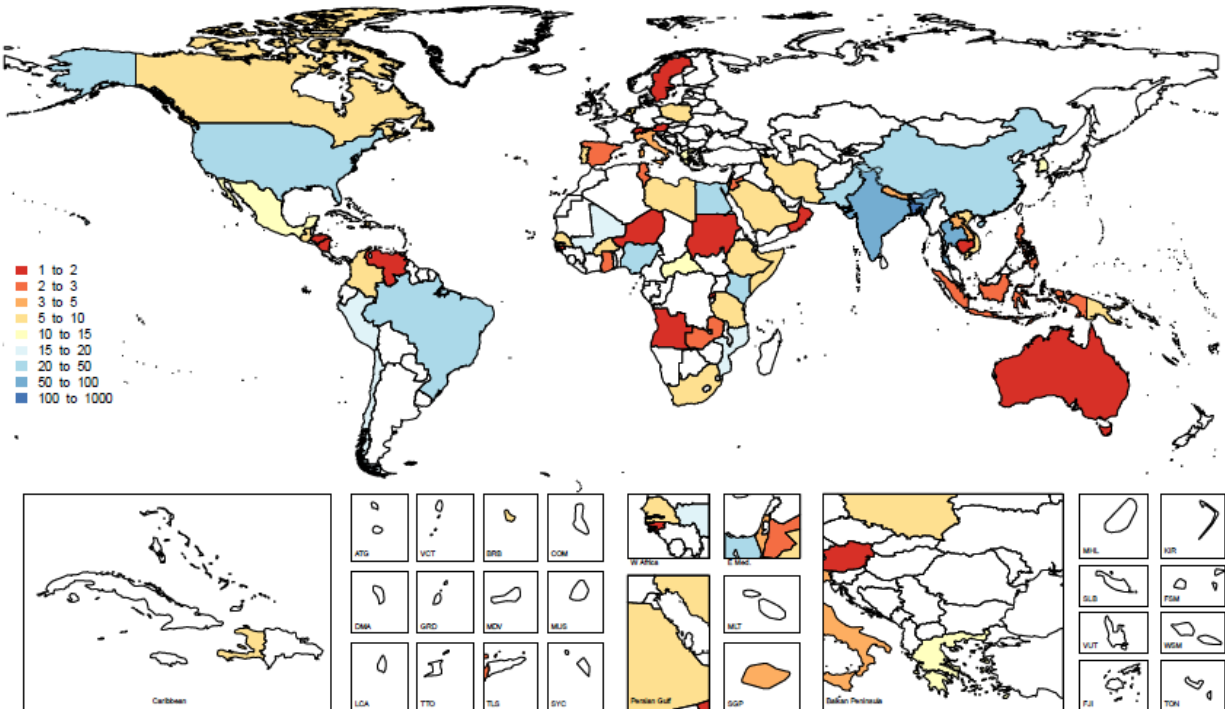
Results are based on a molecular case definition from the Global Enteric Multicenter Study, the sensitivity and specificity of the bacterial culture diagnostic compared to the qPCR case definition, and the relative frequency of detection in studies investigating the pathogens independently and in inpatient populations. This table differentiates odds ratios between those under and 1 year and older. Values in parentheses are the 95% uncertainty intervals.

Pathogen	Odds ratio under-1	Odds ratio 1 and older	Sensitivity	Specificity	Single test	Inpatient population
<i>Shigella</i>	3.47 (1.90-5.82)	6.33 (2.46-13.79)	0.42 (0.40-0.45)	0.99 (0.987-0.993)	1.89 (1.32-2.74)	1.98 (1.63-2.34)
ETEC	1.65 (1.24-2.18)	2.08 (1.58-2.71)	0.47 (0.44-0.50)	0.97 (0.965-0.975)	0.68 (0.47-1.05)	0.84 (0.71 - 0.98)

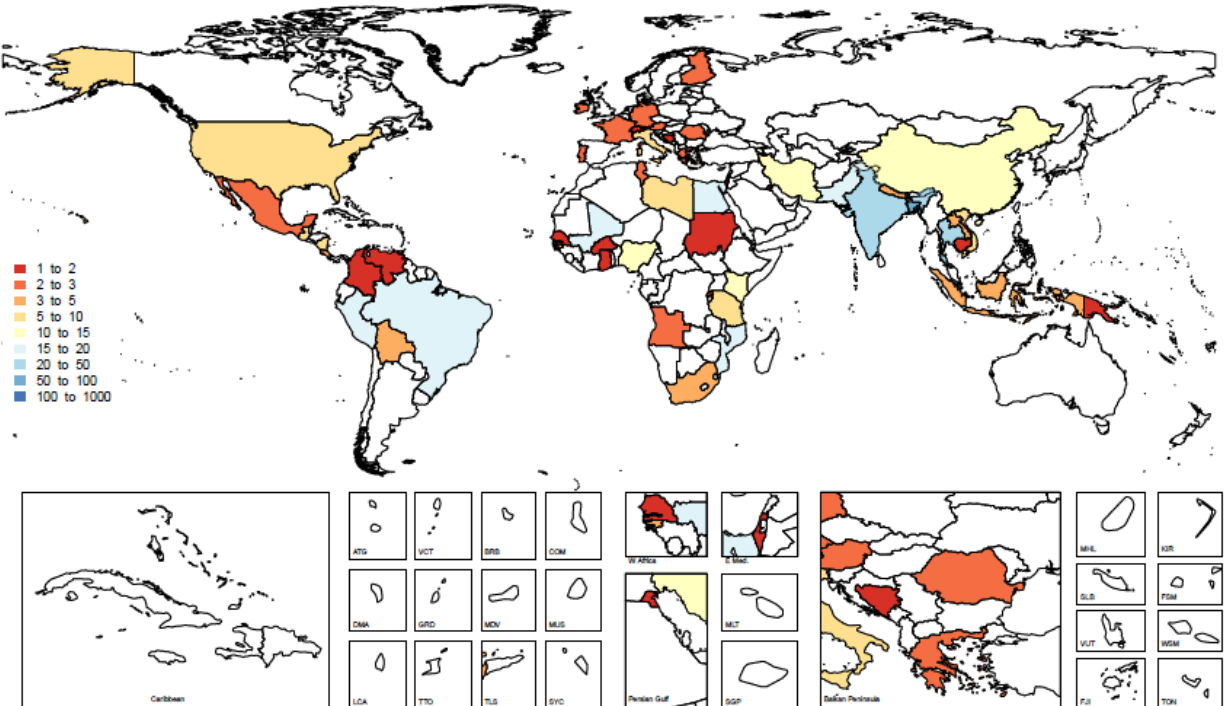
## Supplementary Figure 1. Data coverage maps

A) The number of data points in the *Shigella* proportion model; B) The number of data points in the ETEC proportion model. The data shown detail the proportion of diarrhoea episodes where the pathogen is present.

A)

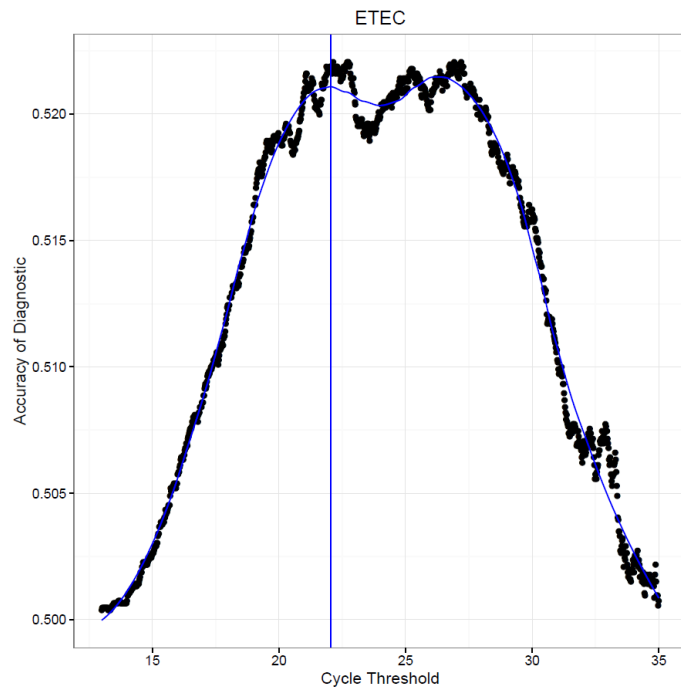
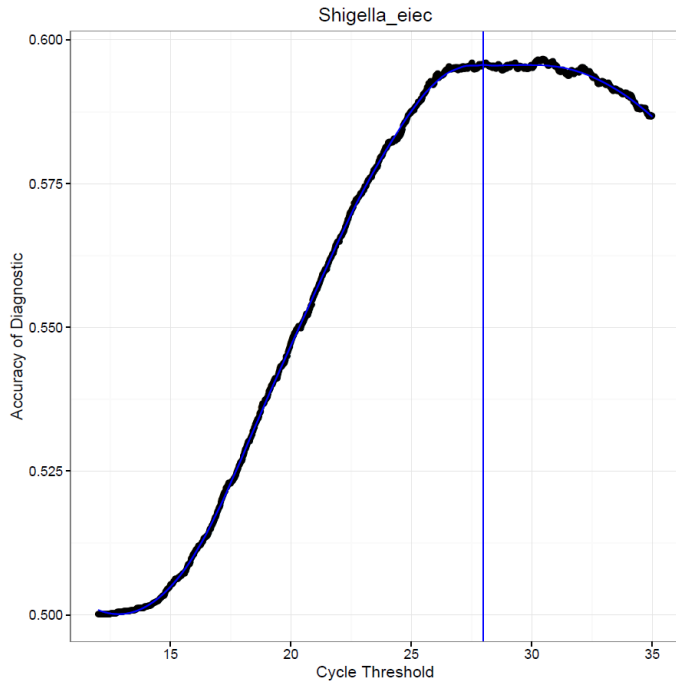


B)



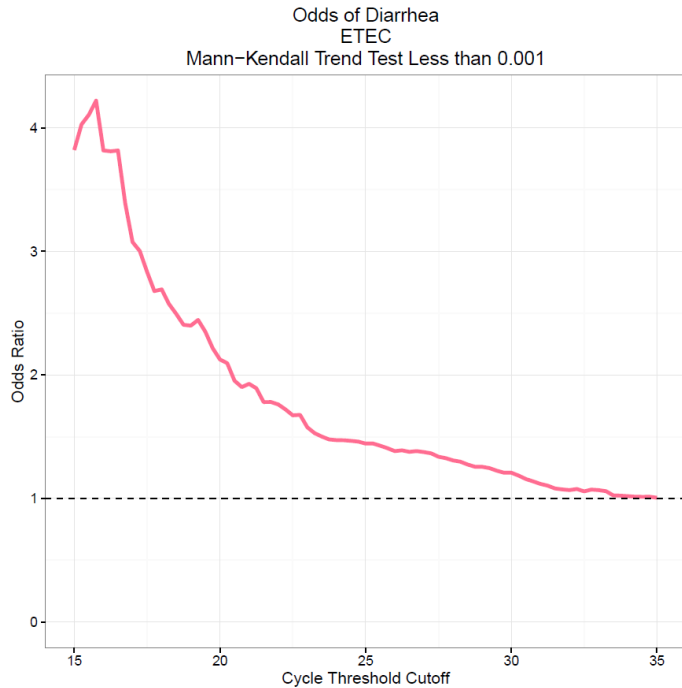
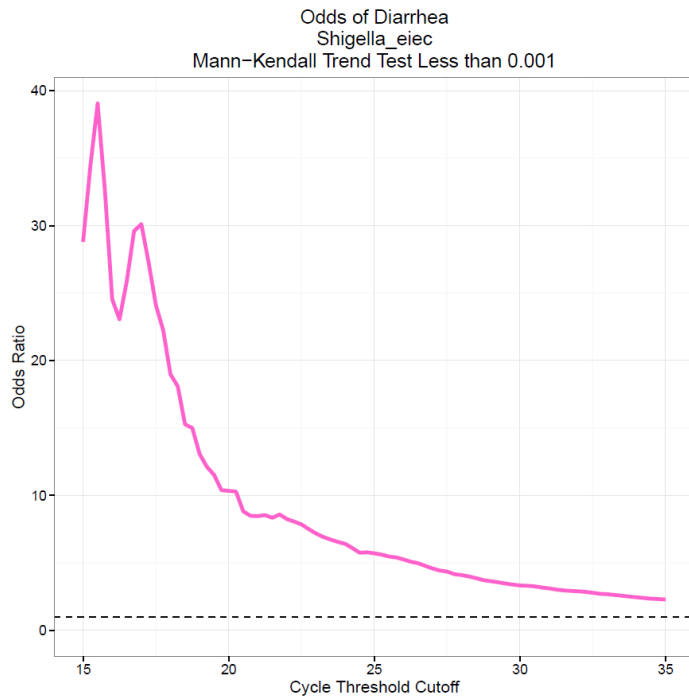
## Supplementary Figure 2. Diagnostic accuracy for *Shigella* and ETEC

The diagnostic accuracy of the molecular diagnostic at varying values of the Cycle threshold (Ct) in discriminating between cases and controls in the Global Enteric Multicenter Study (GEMS). Higher Ct values indicate greater concentration of genetic target in the stool sample. The fitted curve is a loess curve and the vertical line indicates the point where the discriminatory accuracy between cases and controls is maximised. For ETEC, the vertical blue line is the smallest Ct where the discrimination is maximised.



### Supplementary Figure 3. Association between *Shigella* and ST-ETEC gene target concentration and diarrhoea case status

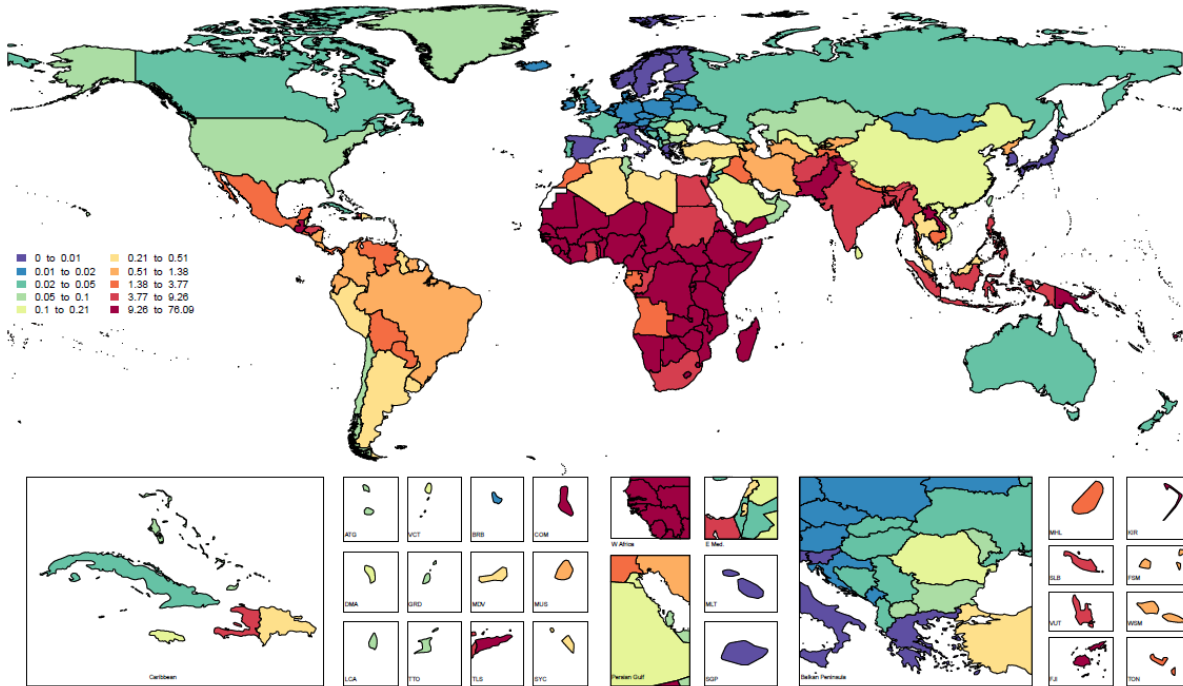
The Cycle threshold is a continuous test result from quantitative polymerase chain reaction. Lower Ct values indicate higher concentration of target in the sample so concentration decreases from left to right. The odds ratio represents the odds that a *Shigella* or ST-ETEC positive sample is from a diarrhoea case compared to a control sample. The trend is monotonic based on the Mann-Kendall test ( $p < 0.001$ ).



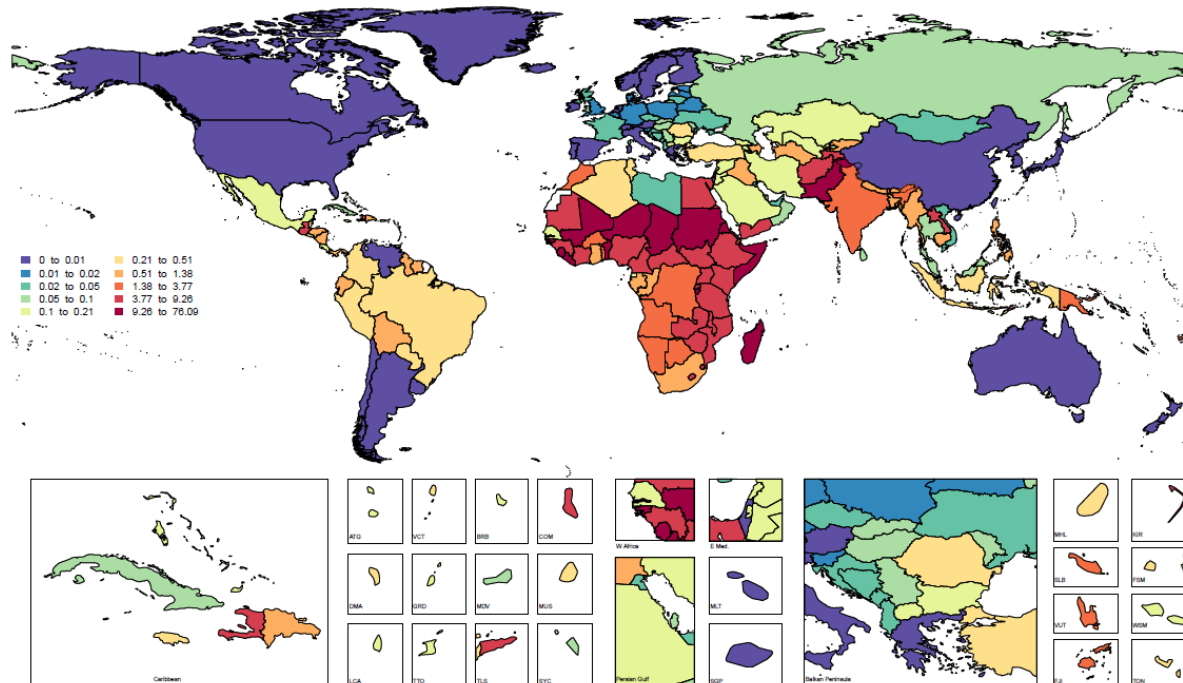
## Supplementary Figure 4. Estimated mortality rate per 100,000 in 2016 among children under-5

This figure maps the estimated diarrhoea mortality rate attributable to A) *Shigella* in children under 5; B) ETEC in children under 5.

A)



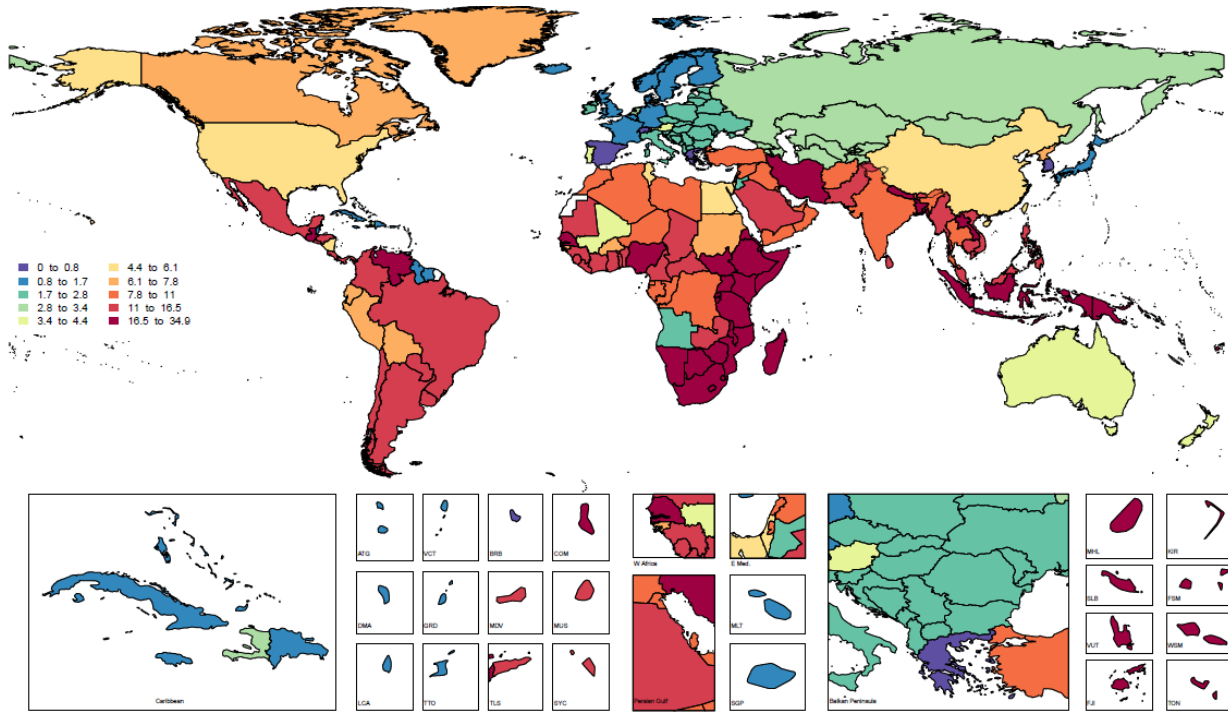
B)



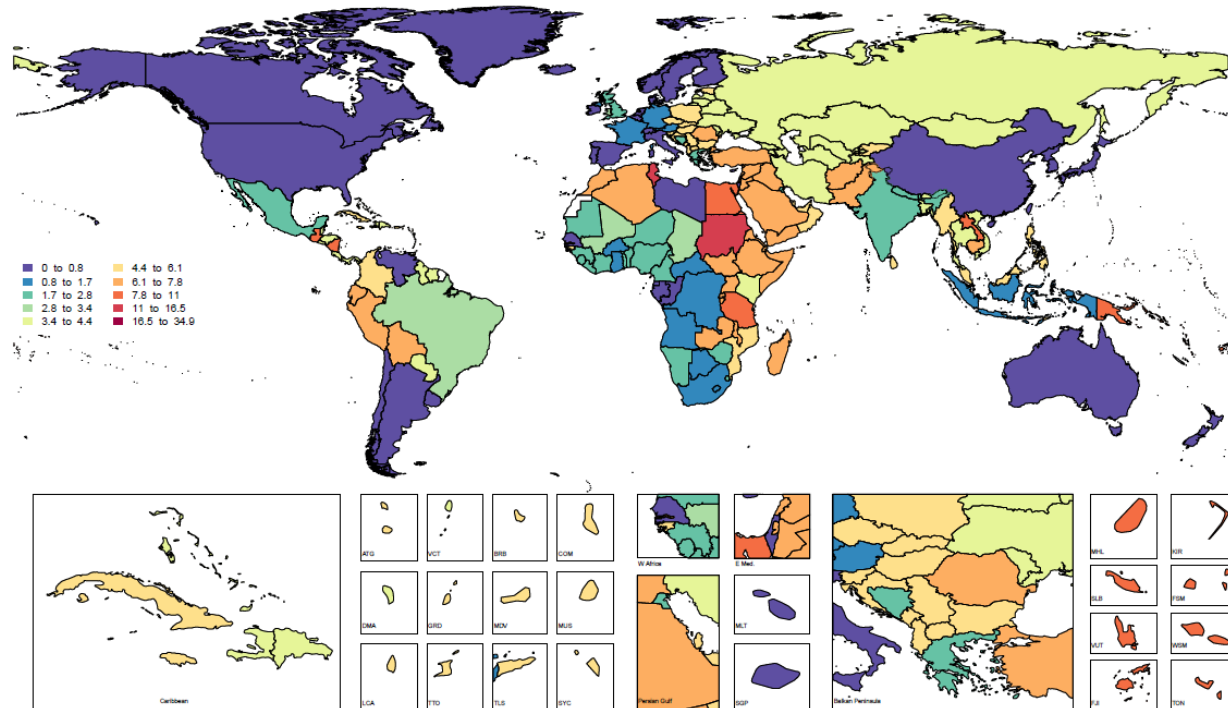


Supplementary Figure 5. The population attributable fraction among diarrhoea deaths among all ages in 2016 is shown for each country. A) *Shigella*, B) Enterotoxigenic *E. coli*.

A).

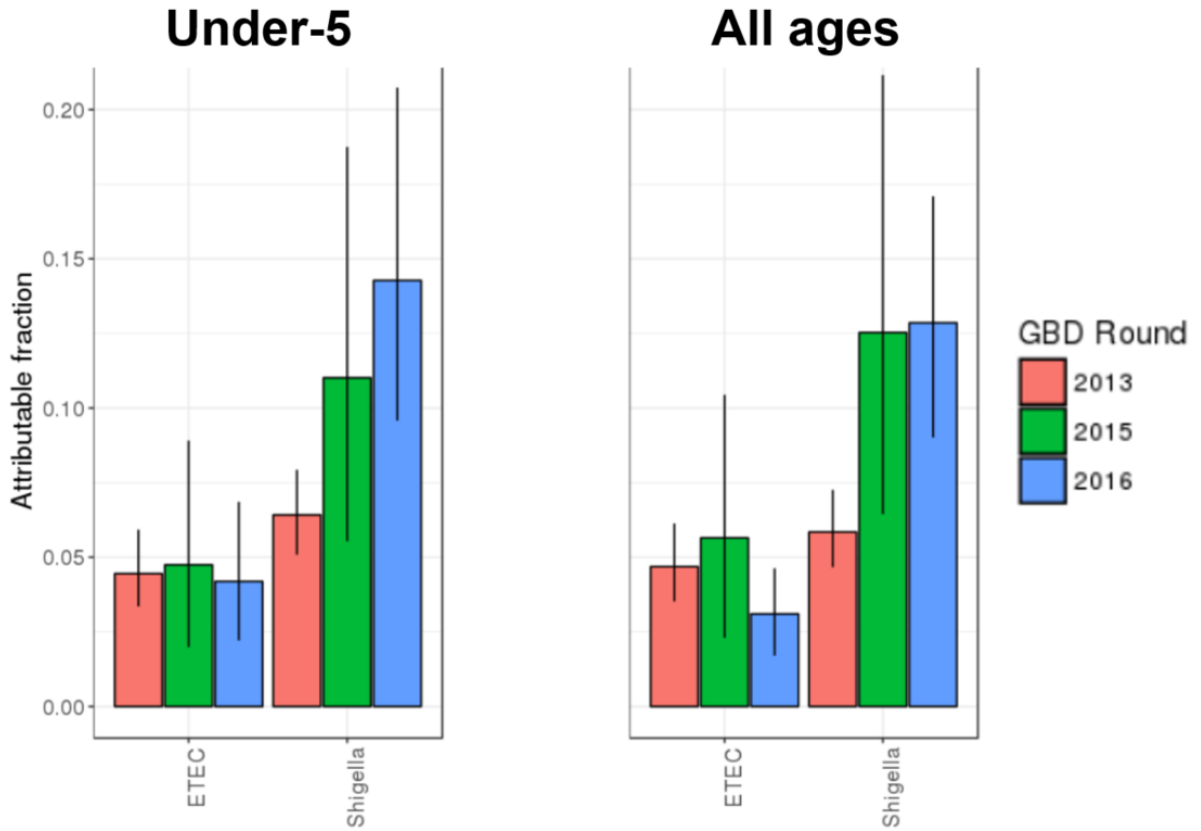


B).



### Supplementary Figure 6. Comparison of the attributable fractions for Shigella and ETEC across different iterations of the GBD

Starting in GBD 2015 and continuing for GBD 2016, the attributable fractions were based on a molecular diagnostic case definition. The large increase in the attribution for Shigella is related to the low sensitivity of bacterial culture compared to the molecular case definition.



## Supplementary Table 2. Data sources used in proportion modelling

### A) Enterotoxigenic *E. coli*

Source
Aga Khan University, Center for Vaccine Development (Chile), Center for Vaccine Development, University of Maryland, Centers for Disease Control and Prevention (CDC), Department of Medical Microbiology and Immunology, Göteborg University, International Vaccine Institute, Perry Point Cooperative Studies Program Coordinating Center, U.S. Department of Veterans Affairs, School of Medicine, University of Virginia, University of Chile. Pakistan - Karachi Global Enteric Multicenter Study 2011-2013. Baltimore, MD, United States: Center for Vaccine Development, University of Maryland.
Aga Khan University, Fogarty International Center, National Institutes of Health (NIH), Foundation for the National Institutes of Health (FNIH). Pakistan - Naushahro Feroze Malnutrition and Enteric Disease Study 2009-2014.
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## B. *Shigella*

Source
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**Supplementary Table 3. Estimated country-level results for Shigella diarrhoea in 2016**

Values in parentheses are 95% uncertainty intervals.

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
Global	63,713 (41,191 to 93,611)	10.1 (6.5 to 14.8)	116.2 (64.3 to 198.6)	74,771,591 (41,395,286 to 127,742,524)	212,438 (136,979 to 326,913)	2.9 (1.9 to 4.4)	36.4 (23.9 to 49.8)	269,191,131 (176,677,465 to 368,995,635)
High-income	34 (20 to 52)	0.1 (0.0 to 0.1)	13.1 (6.1 to 25.3)	759,474 (353,998 to 1,471,183)	1,128 (687 to 1,638)	0.1 (0.1 to 0.2)	2.8 (1.7 to 4.1)	2,921,208 (1,812,321 to 4,298,658)
High-income North America	13 (7 to 20)	0.1 (0.0 to 0.1)	7.0 (2.4 to 13.9)	149,441 (52,237 to 299,100)	666 (444 to 902)	0.2 (0.1 to 0.3)	3.6 (2.2 to 5.1)	1,284,736 (804,562 to 1,820,497)
Canada	0 (0 to 1)	0.0 (0.0 to 0.0)	4.3 (1.4 to 9.3)	8,438 (2,735 to 18,047)	95 (61 to 131)	0.3 (0.2 to 0.4)	2.3 (1.4 to 3.3)	83,544 (50,354 to 120,913)
Greenland	0 (0 to 0)	0.1 (0.0 to 0.1)	5.6 (1.8 to 12.6)	19 (6 to 43)	0 (0 to 0)	0.1 (0.0 to 0.2)	2.9 (1.7 to 4.3)	143 (84 to 212)
United States	12 (7 to 20)	0.1 (0.0 to 0.1)	7.2 (2.6 to 14.4)	140,978 (50,092 to 281,133)	572 (379 to 776)	0.2 (0.1 to 0.2)	3.7 (2.3 to 5.3)	1,201,050 (750,764 to 1,695,793)
Australasia	0 (0 to 1)	0.0 (0.0 to 0.0)	1.7 (0.5 to 3.9)	3,168 (870 to 7,035)	14 (8 to 20)	0.0 (0.0 to 0.1)	1.3 (0.7 to 2.0)	36,416 (18,800 to 57,873)
Australia	0 (0 to 1)	0.0 (0.0 to 0.0)	1.5 (0.4 to 3.3)	2,243 (615 to 5,042)	11 (7 to 16)	0.0 (0.0 to 0.1)	1.1 (0.6 to 1.8)	26,756 (13,672 to 42,853)
New Zealand	0 (0 to 0)	0.0 (0.0 to 0.1)	3.2 (0.9 to 7.1)	923 (258 to 2,085)	3 (2 to 4)	0.1 (0.0 to 0.1)	2.1 (1.1 to 3.4)	9,658 (4,981 to 15,454)
High-income Asia Pacific	0 (0 to 1)	0.0 (0.0 to 0.0)	0.2 (0.1 to 1.1)	1,778 (717 to 8,373)	35 (6 to 74)	0.0 (0.0 to 0.0)	0.1 (0.0 to 0.2)	11,608 (5,854 to 34,659)
Brunei	0 (0 to 0)	0.0 (0.0 to 0.0)	0.2 (0.1 to 1.1)	8 (3 to 39)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.1 (0.0 to 0.3)	33 (13 to 115)
Japan	0 (0 to 1)	0.0 (0.0 to 0.0)	0.3 (0.1 to 1.3)	1,414 (500 to 6,767)	29 (5 to 57)	0.0 (0.0 to 0.0)	0.1 (0.0 to 0.2)	9,352 (4,588 to 29,077)
Singapore	0 (0 to 0)	0.0 (0.0 to 0.0)	0.4 (0.1 to 1.9)	68 (14 to 331)	0 (0 to 1)	0.0 (0.0 to 0.0)	0.1 (0.0 to 0.3)	408 (120 to 1,340)
South Korea	0 (0 to 0)	0.0 (0.0 to 0.0)	0.1 (0.1 to 0.5)	288 (137 to 1,117)	6 (1 to 17)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.1)	1,815 (1,049 to 4,668)
Western Europe	3 (1 to 5)	0.0 (0.0 to 0.0)	4.4 (0.7 to 14.2)	97,088 (14,470 to 315,796)	253 (74 to 468)	0.1 (0.0 to 0.1)	0.7 (0.2 to 1.7)	305,157 (85,895 to 732,647)



Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
Andorra	0 (0 to 0)	0.0 (0.0 to 0.0)	4.7 (0.4 to 17.9)	14 (1 to 54)	0 (0 to 0)	0.0 (0.0 to 0.1)	0.6 (0.1 to 1.8)	49 (9 to 138)
Austria	0 (0 to 0)	0.0 (0.0 to 0.0)	14.3 (1.2 to 38.8)	5,638 (460 to 15,293)	2 (1 to 4)	0.0 (0.0 to 0.0)	2.4 (0.9 to 4.6)	21,181 (7,480 to 39,524)
Belgium	0 (0 to 0)	0.0 (0.0 to 0.0)	5.9 (0.5 to 22.1)	3,655 (331 to 13,747)	11 (2 to 23)	0.1 (0.0 to 0.2)	0.9 (0.2 to 2.4)	9,885 (1,755 to 27,733)
Cyprus	0 (0 to 0)	0.0 (0.0 to 0.1)	5.7 (0.5 to 22.0)	296 (28 to 1,135)	0 (0 to 1)	0.1 (0.0 to 0.1)	0.9 (0.1 to 2.5)	799 (136 to 2,290)
Denmark	0 (0 to 0)	0.0 (0.0 to 0.0)	5.2 (0.5 to 19.7)	1,499 (143 to 5,625)	5 (1 to 11)	0.1 (0.0 to 0.2)	0.8 (0.1 to 2.3)	4,694 (850 to 13,092)
Finland	0 (0 to 0)	0.0 (0.0 to 0.0)	7.3 (0.7 to 27.4)	2,140 (195 to 8,000)	1 (0 to 2)	0.0 (0.0 to 0.0)	1.1 (0.2 to 3.1)	6,045 (1,057 to 17,217)
France	1 (0 to 2)	0.0 (0.0 to 0.0)	3.9 (0.4 to 15.3)	15,347 (1,423 to 59,869)	52 (9 to 106)	0.1 (0.0 to 0.2)	0.7 (0.1 to 1.9)	43,565 (7,737 to 122,615)
Germany	0 (0 to 1)	0.0 (0.0 to 0.0)	5.6 (0.5 to 21.2)	19,565 (1,809 to 73,810)	81 (14 to 165)	0.1 (0.0 to 0.2)	0.8 (0.2 to 2.2)	63,509 (12,352 to 178,529)
Greece	0 (0 to 0)	0.0 (0.0 to 0.0)	0.6 (0.4 to 0.8)	278 (169 to 400)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.1 (0.1 to 0.1)	1,176 (814 to 1,446)
Iceland	0 (0 to 0)	0.0 (0.0 to 0.0)	5.1 (0.5 to 19.1)	108 (10 to 409)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.8 (0.1 to 2.5)	281 (46 to 816)
Ireland	0 (0 to 0)	0.0 (0.0 to 0.0)	4.4 (0.4 to 16.9)	1,635 (147 to 6,302)	1 (0 to 1)	0.0 (0.0 to 0.0)	0.9 (0.1 to 2.5)	4,007 (619 to 11,677)
Israel	0 (0 to 1)	0.0 (0.0 to 0.1)	9.7 (3.3 to 21.8)	8,174 (2,786 to 18,336)	14 (8 to 20)	0.2 (0.1 to 0.2)	2.7 (1.3 to 4.5)	21,768 (10,983 to 36,633)
Italy	0 (0 to 0)	0.0 (0.0 to 0.0)	2.0 (0.2 to 7.7)	5,495 (494 to 20,840)	10 (4 to 18)	0.0 (0.0 to 0.0)	0.3 (0.1 to 0.8)	18,759 (3,459 to 50,142)
Luxembourg	0 (0 to 0)	0.0 (0.0 to 0.0)	5.2 (0.5 to 19.3)	151 (14 to 562)	0 (0 to 1)	0.1 (0.0 to 0.1)	0.8 (0.1 to 2.1)	434 (76 to 1,233)
Malta	0 (0 to 0)	0.0 (0.0 to 0.0)	1.9 (0.2 to 7.4)	40 (4 to 156)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.3 (0.1 to 0.8)	118 (21 to 338)
Netherlands	0 (0 to 0)	0.0 (0.0 to 0.0)	12.5 (0.7 to 37.4)	10,866 (634 to 32,495)	19 (9 to 30)	0.1 (0.1 to 0.2)	2.4 (0.7 to 4.8)	40,986 (11,211 to 83,075)
Norway	0 (0 to 0)	0.0 (0.0 to 0.0)	4.3 (0.4 to 16.4)	1,221 (115 to 4,644)	5 (1 to 11)	0.1 (0.0 to 0.2)	0.6 (0.1 to 1.8)	3,341 (596 to 9,448)
Portugal	0 (0 to 0)	0.0 (0.0 to 0.1)	7.4 (1.7 to 17.1)	3,441 (799 to 7,905)	7 (4 to 10)	0.1 (0.0 to 0.1)	1.4 (0.6 to 2.3)	14,355 (6,568 to 24,029)
Spain	0 (0 to 0)	0.0 (0.0 to 0.0)	0.4 (0.3 to 0.6)	1,004 (612 to 1,452)	1 (1 to 3)	0.0 (0.0 to 0.0)	0.1 (0.1 to 0.1)	4,267 (2,936 to 5,273)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
Sweden	0 (0 to 0)	0.0 (0.0 to 0.0)	2.8 (0.4 to 11.8)	1,571 (238 to 6,683)	8 (2 to 15)	0.1 (0.0 to 0.1)	0.5 (0.1 to 1.4)	4,516 (1,297 to 14,055)
Switzerland	0 (0 to 0)	0.0 (0.0 to 0.0)	1.0 (0.5 to 4.7)	428 (192 to 1,959)	1 (0 to 2)	0.0 (0.0 to 0.0)	0.2 (0.1 to 0.6)	1,592 (890 to 4,733)
England	0 (0 to 1)	0.0 (0.0 to 0.0)	3.7 (0.4 to 12.8)	11,788 (1,186 to 40,801)	28 (12 to 48)	0.1 (0.0 to 0.1)	0.6 (0.1 to 1.6)	31,325 (6,311 to 85,872)
Northern Ireland	0 (0 to 0)	0.0 (0.0 to 0.1)	4.4 (0.4 to 16.6)	523 (48 to 1,974)	1 (0 to 1)	0.0 (0.0 to 0.1)	0.7 (0.1 to 2.0)	1,284 (212 to 3,709)
Scotland	0 (0 to 0)	0.0 (0.0 to 0.0)	4.3 (0.4 to 16.6)	1,173 (108 to 4,515)	3 (0 to 5)	0.0 (0.0 to 0.1)	0.6 (0.1 to 1.7)	3,305 (586 to 9,378)
Wales	0 (0 to 0)	0.0 (0.0 to 0.1)	6.9 (0.6 to 26.1)	1,112 (101 to 4,201)	2 (0 to 4)	0.1 (0.0 to 0.1)	1.0 (0.2 to 2.9)	3,164 (558 to 9,081)
Southern Latin America	18 (11 to 26)	0.4 (0.2 to 0.5)	102.0 (51.7 to 172.5)	510,676 (258,860 to 863,584)	160 (111 to 212)	0.2 (0.2 to 0.3)	18.9 (12.2 to 26.8)	1,236,711 (793,600 to 1,748,503)
Argentina	16 (10 to 24)	0.4 (0.3 to 0.7)	115.6 (58.6 to 195.5)	409,923 (207,851 to 693,190)	94 (65 to 125)	0.2 (0.1 to 0.3)	21.8 (13.9 to 31.1)	952,416 (606,966 to 1,356,309)
Chile	1 (1 to 2)	0.1 (0.1 to 0.2)	75.2 (38.8 to 128.1)	91,814 (47,339 to 156,448)	47 (30 to 66)	0.3 (0.2 to 0.4)	14.4 (9.4 to 19.9)	262,400 (171,803 to 362,256)
Uruguay	1 (0 to 2)	0.4 (0.2 to 0.7)	37.3 (19.3 to 66.9)	8,913 (4,611 to 15,966)	19 (13 to 26)	0.6 (0.4 to 0.8)	6.3 (4.0 to 9.2)	21,766 (13,940 to 31,545)
Central Europe, Eastern Europe, and Central Asia	58 (28 to 101)	0.2 (0.1 to 0.4)	17.0 (2.7 to 39.9)	515,950 (81,413 to 1,214,374)	99 (57 to 154)	0.0 (0.0 to 0.0)	3.2 (0.7 to 6.6)	1,316,738 (312,834 to 2,758,538)
Eastern Europe	5 (3 to 9)	0.0 (0.0 to 0.1)	18.0 (3.1 to 42.5)	246,225 (42,744 to 582,156)	16 (9 to 24)	0.0 (0.0 to 0.0)	3.0 (0.7 to 6.3)	637,552 (158,281 to 1,326,809)
Belarus	0 (0 to 0)	0.0 (0.0 to 0.0)	17.7 (2.7 to 44.0)	10,559 (1,619 to 26,265)	0 (0 to 1)	0.0 (0.0 to 0.0)	2.7 (0.7 to 5.7)	26,140 (6,382 to 54,904)
Estonia	0 (0 to 0)	0.0 (0.0 to 0.0)	37.0 (6.2 to 81.8)	2,843 (473 to 6,284)	0 (0 to 0)	0.0 (0.0 to 0.0)	6.4 (1.7 to 13.0)	8,449 (2,260 to 17,243)
Latvia	0 (0 to 0)	0.0 (0.0 to 0.0)	28.3 (4.5 to 68.1)	3,661 (579 to 8,799)	0 (0 to 0)	0.0 (0.0 to 0.0)	4.6 (1.1 to 9.6)	9,189 (2,197 to 19,308)
Lithuania	0 (0 to 0)	0.0 (0.0 to 0.0)	34.0 (5.3 to 81.0)	6,002 (936 to 14,307)	0 (0 to 0)	0.0 (0.0 to 0.0)	5.3 (1.3 to 11.0)	15,397 (3,773 to 32,235)
Moldova	0 (0 to 0)	0.1 (0.0 to 0.1)	15.1 (2.5 to 37.7)	3,368 (548 to 8,403)	0 (0 to 0)	0.0 (0.0 to 0.0)	2.1 (0.5 to 4.3)	8,349 (2,022 to 17,650)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
Russia	5 (2 to 8)	0.0 (0.0 to 0.1)	16.6 (3.0 to 39.2)	164,166 (29,173 to 387,112)	13 (7 to 20)	0.0 (0.0 to 0.0)	2.9 (0.7 to 6.0)	419,403 (104,858 to 872,275)
Ukraine	1 (0 to 1)	0.0 (0.0 to 0.1)	21.4 (3.4 to 52.0)	55,637 (8,728 to 135,205)	2 (1 to 3)	0.0 (0.0 to 0.0)	3.3 (0.8 to 7.0)	150,597 (35,722 to 322,124)
Central Europe	2 (1 to 3)	0.0 (0.0 to 0.1)	24.7 (3.3 to 59.9)	141,247 (19,115 to 341,975)	21 (12 to 32)	0.0 (0.0 to 0.0)	3.2 (0.7 to 6.7)	371,186 (85,778 to 780,121)
Albania	0 (0 to 0)	0.0 (0.0 to 0.0)	19.4 (2.5 to 49.8)	3,367 (427 to 8,639)	0 (0 to 0)	0.0 (0.0 to 0.0)	2.6 (0.6 to 5.8)	7,515 (1,620 to 16,701)
Bosnia and Herzegovina	0 (0 to 0)	0.0 (0.0 to 0.1)	16.8 (2.1 to 42.1)	2,899 (368 to 7,272)	0 (0 to 0)	0.0 (0.0 to 0.0)	2.1 (0.5 to 4.6)	8,061 (1,849 to 17,409)
Bulgaria	0 (0 to 0)	0.1 (0.0 to 0.1)	21.5 (2.7 to 54.4)	7,321 (920 to 18,478)	1 (0 to 1)	0.0 (0.0 to 0.0)	2.6 (0.6 to 5.7)	18,919 (4,256 to 41,416)
Croatia	0 (0 to 0)	0.0 (0.0 to 0.0)	28.5 (3.8 to 64.9)	5,663 (762 to 12,911)	1 (0 to 1)	0.0 (0.0 to 0.0)	3.3 (0.7 to 7.0)	13,942 (3,116 to 29,359)
Czech Republic	0 (0 to 0)	0.0 (0.0 to 0.0)	25.2 (3.3 to 61.0)	14,267 (1,879 to 34,554)	5 (3 to 8)	0.1 (0.0 to 0.1)	3.7 (0.9 to 8.0)	39,832 (9,197 to 84,777)
Hungary	0 (0 to 0)	0.0 (0.0 to 0.1)	21.1 (2.7 to 53.3)	10,733 (1,397 to 27,146)	6 (3 to 8)	0.1 (0.0 to 0.1)	3.3 (0.7 to 7.0)	32,607 (7,263 to 69,837)
Macedonia	0 (0 to 0)	0.1 (0.0 to 0.2)	18.0 (2.4 to 44.3)	2,051 (274 to 5,046)	0 (0 to 0)	0.0 (0.0 to 0.0)	2.5 (0.6 to 5.3)	5,115 (1,179 to 10,983)
Montenegro	0 (0 to 0)	0.0 (0.0 to 0.0)	12.3 (1.6 to 30.9)	455 (58 to 1,142)	0 (0 to 0)	0.0 (0.0 to 0.0)	1.9 (0.4 to 4.0)	1,171 (268 to 2,514)
Poland	0 (0 to 0)	0.0 (0.0 to 0.0)	25.5 (3.2 to 65.0)	50,746 (6,387 to 129,155)	5 (3 to 7)	0.0 (0.0 to 0.0)	3.4 (0.8 to 7.2)	130,347 (29,555 to 278,394)
Romania	1 (0 to 2)	0.1 (0.0 to 0.2)	28.6 (3.7 to 71.4)	22,819 (2,945 to 56,923)	2 (1 to 3)	0.0 (0.0 to 0.0)	3.3 (0.8 to 7.0)	62,747 (14,630 to 135,342)
Serbia	0 (0 to 0)	0.0 (0.0 to 0.1)	22.8 (3.1 to 52.0)	9,348 (1,290 to 21,330)	1 (0 to 2)	0.0 (0.0 to 0.0)	2.7 (0.6 to 5.6)	23,548 (5,480 to 49,426)
Slovakia	0 (0 to 0)	0.0 (0.0 to 0.1)	28.1 (3.6 to 70.3)	8,368 (1,085 to 20,931)	1 (0 to 1)	0.0 (0.0 to 0.0)	3.6 (0.8 to 7.8)	19,846 (4,363 to 42,834)
Slovenia	0 (0 to 0)	0.0 (0.0 to 0.0)	30.2 (3.9 to 73.9)	3,212 (412 to 7,858)	0 (0 to 0)	0.0 (0.0 to 0.0)	3.6 (0.8 to 7.8)	7,465 (1,619 to 16,115)
Central Asia	51 (24 to 87)	0.5 (0.3 to 0.9)	11.7 (1.9 to 28.5)	128,492 (21,248 to 314,213)	62 (32 to 104)	0.1 (0.0 to 0.1)	3.4 (0.9 to 7.2)	307,312 (76,571 to 645,813)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
Armenia	0 (0 to 0)	0.1 (0.0 to 0.2)	16.5 (2.6 to 40.5)	3,707 (586 to 9,098)	0 (0 to 1)	0.0 (0.0 to 0.0)	3.5 (0.9 to 7.5)	10,774 (2,723 to 22,964)
Azerbaijan	5 (2 to 10)	0.5 (0.2 to 1.0)	18.3 (3.0 to 45.3)	16,976 (2,790 to 41,977)	6 (3 to 11)	0.1 (0.0 to 0.1)	4.3 (1.1 to 9.1)	42,453 (10,326 to 89,648)
Georgia	0 (0 to 1)	0.1 (0.0 to 0.2)	16.9 (2.7 to 42.2)	4,724 (749 to 11,798)	1 (0 to 1)	0.0 (0.0 to 0.0)	2.9 (0.7 to 6.2)	11,625 (2,825 to 24,603)
Kazakhstan	2 (1 to 3)	0.1 (0.0 to 0.2)	11.4 (1.8 to 27.9)	22,358 (3,531 to 54,415)	2 (1 to 4)	0.0 (0.0 to 0.0)	3.2 (0.8 to 6.6)	56,384 (13,826 to 117,721)
Kyrgyzstan	6 (3 to 10)	0.8 (0.4 to 1.3)	11.3 (1.9 to 27.3)	9,188 (1,536 to 22,126)	6 (3 to 11)	0.1 (0.1 to 0.2)	3.6 (0.9 to 7.4)	21,571 (5,402 to 44,994)
Mongolia	0 (0 to 0)	0.0 (0.0 to 0.0)	16.4 (2.7 to 38.8)	6,102 (1,007 to 14,428)	0 (0 to 0)	0.0 (0.0 to 0.0)	4.1 (1.0 to 8.6)	12,401 (2,931 to 26,246)
Tajikistan	30 (12 to 59)	2.7 (1.1 to 5.2)	20.2 (3.3 to 49.1)	22,191 (3,577 to 53,971)	37 (17 to 67)	0.4 (0.2 to 0.8)	5.5 (1.3 to 11.8)	47,070 (11,361 to 101,210)
Turkmenistan	3 (1 to 6)	0.6 (0.2 to 1.1)	21.8 (3.5 to 53.4)	11,669 (1,893 to 28,606)	4 (2 to 7)	0.1 (0.0 to 0.1)	5.5 (1.4 to 11.5)	29,910 (7,625 to 62,561)
Uzbekistan	4 (2 to 8)	0.1 (0.0 to 0.2)	6.6 (1.1 to 16.5)	31,662 (5,075 to 79,329)	5 (3 to 10)	0.0 (0.0 to 0.0)	2.4 (0.6 to 5.0)	75,067 (18,623 to 158,495)
Latin America and Caribbean	858 (534 to 1,297)	1.7 (1.1 to 2.6)	174.7 (96.5 to 290.0)	8,260,053 (4,564,295 to 13,715,403)	2,406 (1,702 to 3,230)	0.4 (0.3 to 0.6)	41.5 (26.5 to 58.5)	23,810,923 (15,211,811 to 33,589,462)
Central Latin America	543 (339 to 818)	2.4 (1.5 to 3.6)	149.7 (79.0 to 272.8)	3,345,795 (1,766,692 to 6,097,394)	1,448 (1,033 to 1,948)	0.6 (0.4 to 0.8)	39.0 (24.1 to 57.0)	9,911,117 (6,129,519 to 14,485,425)
Colombia	27 (14 to 48)	0.8 (0.4 to 1.3)	125.1 (51.4 to 266.3)	404,970 (166,453 to 861,700)	79 (52 to 110)	0.2 (0.1 to 0.2)	32.5 (19.3 to 48.4)	1,564,541 (928,741 to 2,331,193)
Costa Rica	2 (1 to 3)	0.5 (0.2 to 1.0)	172.7 (73.8 to 360.3)	56,012 (23,954 to 116,870)	11 (7 to 16)	0.2 (0.1 to 0.3)	48.6 (28.3 to 76.5)	234,909 (137,069 to 370,119)
El Salvador	9 (4 to 18)	1.7 (0.7 to 3.4)	216.6 (92.2 to 450.1)	101,576 (43,231 to 211,055)	35 (18 to 68)	0.6 (0.3 to 1.1)	54.8 (32.2 to 87.6)	334,442 (196,484 to 534,606)
Guatemala	183 (110 to 287)	9.3 (5.6 to 14.6)	306.7 (173.1 to 498.8)	587,216 (331,516 to 955,095)	445 (296 to 621)	2.7 (1.8 to 3.8)	81.0 (51.2 to 117.5)	1,334,799 (843,055 to 1,934,679)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
Honduras	40 (15 to 77)	4.2 (1.6 to 8.2)	217.0 (85.4 to 425.9)	203,361 (79,981 to 399,076)	119 (61 to 212)	1.4 (0.7 to 2.5)	54.8 (29.9 to 91.1)	455,729 (248,803 to 757,476)
Mexico	175 (113 to 259)	1.5 (1.0 to 2.2)	77.8 (39.4 to 139.5)	907,658 (459,966 to 1,626,987)	511 (364 to 668)	0.4 (0.3 to 0.5)	17.5 (11.1 to 25.3)	2,251,706 (1,432,650 to 3,255,247)
Nicaragua	7 (3 to 13)	1.2 (0.5 to 2.2)	57.9 (19.1 to 122.6)	35,276 (11,617 to 74,745)	14 (7 to 24)	0.2 (0.1 to 0.4)	16.4 (7.8 to 27.9)	101,096 (48,058 to 172,028)
Panama	12 (6 to 22)	3.5 (1.7 to 6.3)	201.9 (88.0 to 408.9)	73,443 (32,010 to 148,715)	24 (15 to 36)	0.6 (0.4 to 0.9)	56.5 (32.6 to 91.2)	225,107 (130,080 to 363,520)
Venezuela	88 (48 to 147)	3.0 (1.7 to 5.1)	344.2 (172.3 to 633.6)	974,233 (487,602 to 1,793,302)	210 (143 to 296)	0.7 (0.5 to 0.9)	108.0 (67.0 to 159.4)	3,391,191 (2,103,961 to 5,003,717)
Andean Latin America	49 (29 to 77)	0.7 (0.4 to 1.2)	69.6 (33.7 to 121.4)	456,738 (221,153 to 796,428)	123 (77 to 206)	0.2 (0.1 to 0.3)	23.5 (13.8 to 34.9)	1,403,049 (827,826 to 2,085,319)
Bolivia	21 (10 to 38)	1.5 (0.7 to 2.7)	82.9 (37.8 to 154.3)	110,725 (50,404 to 205,979)	47 (27 to 79)	0.4 (0.2 to 0.7)	28.4 (16.4 to 43.5)	313,387 (180,466 to 480,002)
Ecuador	11 (6 to 18)	0.6 (0.3 to 1.0)	75.5 (35.1 to 134.3)	127,584 (59,285 to 227,066)	23 (15 to 33)	0.1 (0.1 to 0.2)	23.2 (13.6 to 34.7)	381,475 (224,121 to 570,943)
Peru	18 (9 to 29)	0.5 (0.3 to 0.8)	61.8 (30.1 to 106.1)	218,388 (106,374 to 374,921)	53 (31 to 103)	0.2 (0.1 to 0.3)	21.9 (12.9 to 32.4)	708,101 (417,384 to 1,044,654)
Caribbean	85 (34 to 175)	2.1 (0.8 to 4.4)	14.7 (1.7 to 44.3)	60,519 (7,022 to 182,851)	152 (72 to 266)	0.3 (0.2 to 0.6)	3.7 (1.0 to 8.8)	169,689 (46,754 to 401,393)
Antigua and Barbuda	0 (0 to 0)	0.1 (0.0 to 0.2)	8.4 (1.3 to 37.3)	39 (6 to 172)	0 (0 to 0)	0.0 (0.0 to 0.0)	1.8 (0.5 to 5.7)	162 (44 to 518)
The Bahamas	0 (0 to 0)	0.1 (0.0 to 0.2)	7.2 (1.1 to 32.1)	230 (34 to 1,024)	0 (0 to 0)	0.0 (0.0 to 0.0)	1.9 (0.5 to 6.0)	741 (195 to 2,372)
Barbados	0 (0 to 0)	0.0 (0.0 to 0.1)	1.7 (1.0 to 5.4)	27 (15 to 84)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.7 (0.4 to 1.1)	189 (126 to 301)
Belize	0 (0 to 0)	0.2 (0.0 to 0.4)	7.2 (1.2 to 31.4)	297 (48 to 1,298)	0 (0 to 0)	0.0 (0.0 to 0.1)	2.1 (0.5 to 7.1)	778 (187 to 2,610)
Bermuda	0 (0 to 0)	0.0 (0.0 to 0.0)	8.0 (1.1 to 35.5)	35 (5 to 157)	0 (0 to 0)	0.0 (0.0 to 0.0)	1.9 (0.5 to 6.3)	137 (36 to 442)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
Cuba	0 (0 to 0)	0.0 (0.0 to 0.1)	4.5 (0.7 to 20.1)	2,788 (424 to 12,417)	4 (1 to 7)	0.0 (0.0 to 0.1)	1.3 (0.4 to 3.9)	14,342 (4,359 to 44,776)
Dominica	0 (0 to 0)	0.1 (0.0 to 0.3)	6.8 (1.0 to 30.7)	37 (6 to 166)	0 (0 to 0)	0.0 (0.0 to 0.0)	1.9 (0.5 to 5.9)	139 (37 to 438)
Dominican Republic	4 (1 to 8)	0.4 (0.1 to 0.9)	8.1 (1.2 to 35.4)	8,196 (1,245 to 36,039)	7 (2 to 15)	0.1 (0.0 to 0.1)	2.1 (0.5 to 6.8)	22,444 (5,593 to 72,575)
Grenada	0 (0 to 0)	0.1 (0.0 to 0.2)	6.9 (1.0 to 31.3)	83 (12 to 373)	0 (0 to 0)	0.0 (0.0 to 0.0)	2.8 (0.7 to 9.1)	304 (77 to 1,000)
Guyana	0 (0 to 1)	0.4 (0.1 to 1.1)	5.1 (0.8 to 21.9)	362 (59 to 1,560)	1 (0 to 2)	0.1 (0.0 to 0.2)	1.6 (0.4 to 5.1)	1,206 (322 to 3,912)
Haiti	80 (33 to 166)	5.3 (2.1 to 10.9)	29.5 (2.6 to 77.7)	44,584 (3,936 to 117,514)	136 (65 to 242)	1.2 (0.6 to 2.2)	10.2 (2.6 to 21.3)	113,582 (28,829 to 237,063)
Jamaica	0 (0 to 1)	0.1 (0.0 to 0.3)	4.4 (0.7 to 18.9)	1,173 (182 to 5,060)	1 (0 to 3)	0.0 (0.0 to 0.1)	1.2 (0.3 to 3.8)	3,460 (928 to 10,913)
Puerto Rico	0 (0 to 0)	0.0 (0.0 to 0.1)	5.6 (0.8 to 25.6)	1,351 (197 to 6,159)	1 (0 to 2)	0.0 (0.0 to 0.1)	1.6 (0.5 to 4.9)	5,873 (1,717 to 17,985)
Saint Lucia	0 (0 to 0)	0.1 (0.0 to 0.2)	10.1 (1.5 to 43.6)	101 (15 to 437)	0 (0 to 0)	0.0 (0.0 to 0.0)	2.9 (0.8 to 9.2)	526 (142 to 1,680)
Saint Vincent and the Grenadines	0 (0 to 0)	0.2 (0.0 to 0.4)	6.0 (0.9 to 26.6)	57 (9 to 253)	0 (0 to 0)	0.0 (0.0 to 0.1)	1.8 (0.5 to 5.9)	202 (53 to 659)
Suriname	0 (0 to 1)	0.6 (0.1 to 1.4)	6.3 (1.0 to 27.8)	332 (52 to 1,464)	1 (0 to 1)	0.1 (0.0 to 0.2)	1.9 (0.5 to 6.1)	1,060 (279 to 3,377)
Trinidad and Tobago	0 (0 to 0)	0.1 (0.0 to 0.3)	3.7 (0.6 to 16.4)	326 (50 to 1,458)	0 (0 to 1)	0.0 (0.0 to 0.0)	1.1 (0.3 to 3.5)	1,507 (425 to 4,722)
Virgin Islands, U.S.	0 (0 to 0)	0.0 (0.0 to 0.0)	7.4 (1.1 to 33.6)	40 (6 to 184)	0 (0 to 0)	0.0 (0.0 to 0.0)	1.8 (0.5 to 5.7)	191 (57 to 599)
Tropical Latin America	182 (117 to 265)	1.1 (0.7 to 1.6)	311.6 (174.3 to 489.1)	4,443,578 (2,485,666 to 6,973,325)	683 (484 to 885)	0.3 (0.2 to 0.4)	57.4 (37.1 to 79.1)	12,324,291 (7,970,931 to 16,976,528)
Brazil	173 (109 to 251)	1.1 (0.7 to 1.6)	303.8 (169.7 to 476.1)	4,236,833 (2,366,474 to 6,640,171)	659 (467 to 851)	0.3 (0.2 to 0.4)	56.3 (36.5 to 77.5)	11,720,225 (7,598,884 to 16,142,762)
Paraguay	9 (5 to 15)	1.4 (0.8 to 2.3)	660.8 (365.8 to 1,043.4)	206,679 (114,429 to 326,355)	23 (14 to 39)	0.4 (0.2 to 0.6)	94.8 (60.2 to 135.2)	603,701 (383,509 to 860,527)
Southeast Asia, East Asia, and Oceania	2,702 (1,686 to 4,108)	2.2 (1.4 to 3.3)	85.1 (45.5 to 152.3)	10,739,748 (5,748,432 to 19,223,075)	14,471 (8,436 to 22,888)	0.7 (0.4 to 1.1)	22.4 (14.6 to 30.8)	46,668,439 (30,538,782 to 64,191,055)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
East Asia	133 (79 to 211)	0.2 (0.1 to 0.3)	22.6 (11.4 to 40.4)	1,493,428 (755,242 to 2,669,927)	391 (238 to 677)	0.0 (0.0 to 0.0)	5.2 (3.2 to 7.6)	7,376,462 (4,478,357 to 10,810,483)
China	93 (56 to 141)	0.2 (0.1 to 0.2)	20.3 (10.2 to 35.9)	1,251,582 (628,791 to 2,214,886)	336 (199 to 595)	0.0 (0.0 to 0.0)	4.8 (2.9 to 7.1)	6,584,941 (3,996,142 to 9,673,921)
North Korea	40 (18 to 79)	1.4 (0.6 to 2.7)	60.3 (29.7 to 107.1)	198,168 (97,597 to 351,788)	48 (24 to 87)	0.2 (0.1 to 0.3)	20.5 (11.9 to 31.2)	548,225 (318,579 to 836,970)
Taiwan	1 (0 to 1)	0.1 (0.0 to 0.1)	42.4 (19.8 to 78.7)	44,272 (20,692 to 82,152)	6 (3 to 11)	0.0 (0.0 to 0.0)	10.2 (5.9 to 15.4)	242,831 (140,311 to 366,238)
Southeast Asia	2,427 (1,503 to 3,719)	4.3 (2.6 to 6.5)	149.3 (78.9 to 269.6)	8,775,161 (4,639,168 to 15,844,104)	13,337 (7,670 to 21,358)	2.0 (1.2 to 3.3)	56.5 (36.5 to 77.7)	37,127,957 (23,990,739 to 51,027,995)
Cambodia	46 (19 to 87)	2.4 (1.0 to 4.6)	167.0 (69.7 to 318.7)	306,014 (127,640 to 584,041)	186 (96 to 335)	1.2 (0.6 to 2.1)	59.8 (33.6 to 94.0)	950,137 (534,543 to 1,493,848)
Indonesia	1,487 (956 to 2,226)	6.5 (4.2 to 9.8)	199.0 (106.3 to 341.9)	4,782,520 (2,554,317 to 8,219,562)	9,830 (5,354 to 16,127)	3.8 (2.1 to 6.3)	77.9 (51.2 to 105.0)	20,202,474 (13,285,368 to 27,216,084)
Laos	176 (63 to 383)	15.6 (5.6 to 33.9)	235.1 (121.4 to 424.4)	253,804 (131,004 to 458,053)	254 (118 to 465)	3.5 (1.6 to 6.5)	87.8 (56.3 to 127.2)	628,558 (403,224 to 910,520)
Malaysia	8 (4 to 15)	0.3 (0.2 to 0.6)	129.7 (50.2 to 285.4)	337,607 (130,542 to 742,896)	75 (41 to 129)	0.2 (0.1 to 0.4)	53.1 (30.5 to 83.1)	1,635,865 (939,397 to 2,557,084)
Maldives	0 (0 to 0)	0.3 (0.1 to 0.5)	82.8 (34.6 to 177.0)	3,051 (1,274 to 6,522)	0 (0 to 1)	0.1 (0.1 to 0.2)	38.1 (22.4 to 58.9)	14,036 (8,255 to 21,733)
Mauritius	1 (0 to 1)	1.0 (0.5 to 1.7)	111.9 (46.9 to 239.0)	7,417 (3,110 to 15,847)	4 (3 to 6)	0.3 (0.2 to 0.5)	47.1 (27.9 to 71.6)	60,023 (35,523 to 91,181)
Myanmar	190 (74 to 389)	4.1 (1.6 to 8.3)	106.0 (44.8 to 217.8)	663,294 (280,239 to 1,362,454)	1,106 (590 to 1,949)	2.0 (1.1 to 3.6)	54.0 (33.0 to 80.4)	3,028,737 (1,849,727 to 4,511,893)
Philippines	463 (213 to 892)	4.0 (1.8 to 7.7)	122.7 (53.4 to 248.3)	1,419,350 (617,723 to 2,873,125)	1,113 (669 to 1,694)	1.1 (0.7 to 1.7)	43.9 (25.7 to 67.6)	4,496,129 (2,636,686 to 6,930,218)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
Sri Lanka	3 (1 to 7)	0.2 (0.1 to 0.4)	120.0 (49.8 to 255.5)	167,166 (69,363 to 355,898)	82 (37 to 174)	0.4 (0.2 to 0.8)	43.8 (26.0 to 65.1)	902,109 (535,177 to 1,340,178)
Seychelles	0 (0 to 0)	0.2 (0.1 to 0.4)	122.1 (49.9 to 262.3)	1,026 (419 to 2,204)	0 (0 to 0)	0.3 (0.2 to 0.5)	47.7 (28.6 to 71.7)	4,629 (2,780 to 6,960)
Thailand	8 (4 to 14)	0.2 (0.1 to 0.4)	77.1 (39.0 to 135.9)	192,880 (97,513 to 339,860)	418 (215 to 809)	0.6 (0.3 to 1.2)	29.0 (18.8 to 39.6)	1,940,279 (1,258,369 to 2,649,033)
Timor-Leste	33 (13 to 70)	20.1 (7.6 to 42.1)	234.8 (100.1 to 482.1)	38,600 (16,451 to 79,267)	44 (18 to 86)	3.8 (1.6 to 7.4)	88.3 (50.4 to 141.1)	102,198 (58,305 to 163,337)
Vietnam	11 (5 to 20)	0.1 (0.1 to 0.3)	83.2 (41.3 to 150.8)	595,698 (295,272 to 1,079,273)	224 (93 to 465)	0.2 (0.1 to 0.5)	33.1 (20.5 to 47.1)	3,105,535 (1,926,225 to 4,420,217)
Oceania	141 (67 to 265)	10.0 (4.8 to 18.7)	345.3 (199.9 to 564.1)	476,835 (275,998 to 778,874)	743 (419 to 1,259)	6.6 (3.7 to 11.2)	190.9 (128.1 to 252.9)	2,133,859 (1,431,886 to 2,826,367)
American Samoa	0 (0 to 0)	0.7 (0.4 to 1.2)	274.1 (155.3 to 453.0)	2,049 (1,161 to 3,386)	0 (0 to 1)	0.5 (0.3 to 0.9)	173.8 (113.3 to 234.2)	14,024 (9,144 to 18,898)
Federated States of Micronesia	0 (0 to 0)	1.2 (0.5 to 2.3)	229.4 (130.6 to 378.6)	2,268 (1,291 to 3,742)	1 (1 to 2)	1.2 (0.6 to 2.3)	153.7 (102.1 to 205.4)	15,863 (10,535 to 21,202)
Fiji	5 (2 to 10)	9.3 (4.1 to 19.5)	275.2 (160.9 to 450.2)	14,989 (8,763 to 24,516)	23 (13 to 37)	2.6 (1.5 to 4.3)	141.8 (94.5 to 185.3)	122,729 (81,772 to 160,396)
Guam	0 (0 to 0)	0.3 (0.1 to 0.5)	286.5 (160.6 to 478.5)	5,006 (2,806 to 8,362)	1 (0 to 1)	0.3 (0.2 to 0.5)	175.7 (115.6 to 230.0)	30,780 (20,256 to 40,284)
Kiribati	2 (1 to 5)	17.8 (7.3 to 37.2)	348.2 (199.2 to 582.5)	4,733 (2,708 to 7,918)	10 (5 to 18)	9.0 (4.7 to 16.0)	185.7 (124.2 to 245.0)	21,079 (14,100 to 27,804)
Marshall Islands	0 (0 to 0)	1.6 (0.6 to 3.4)	263.1 (151.9 to 431.6)	2,585 (1,493 to 4,241)	1 (0 to 1)	0.9 (0.5 to 1.6)	160.5 (106.0 to 213.9)	11,920 (7,870 to 15,881)
Northern Mariana Islands	0 (0 to 0)	0.1 (0.0 to 0.2)	387.9 (213.5 to 673.9)	6,010 (3,308 to 10,442)	0 (0 to 0)	0.1 (0.1 to 0.2)	184.3 (121.3 to 246.0)	23,424 (15,425 to 31,267)



Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
Papua New Guinea	124 (53 to 245)	11.5 (4.9 to 22.8)	367.5 (211.9 to 602.3)	382,791 (220,780 to 627,416)	669 (374 to 1,141)	8.5 (4.8 to 14.5)	211.4 (141.5 to 281.4)	1,652,299 (1,105,555 to 2,199,216)
Samoa	0 (0 to 0)	0.5 (0.2 to 1.2)	293.5 (166.1 to 490.3)	8,107 (4,588 to 13,543)	2 (1 to 4)	0.9 (0.5 to 1.8)	183.3 (120.4 to 245.1)	36,420 (23,926 to 48,701)
Solomon Islands	7 (3 to 12)	8.2 (3.9 to 15.0)	358.9 (206.1 to 586.1)	29,425 (16,897 to 48,045)	24 (13 to 43)	4.0 (2.2 to 7.1)	204.3 (135.0 to 272.0)	121,577 (80,351 to 161,893)
Tonga	0 (0 to 0)	1.5 (0.6 to 3.1)	271.6 (158.6 to 442.4)	3,719 (2,171 to 6,056)	1 (1 to 2)	1.2 (0.6 to 2.1)	180.2 (119.2 to 239.4)	19,447 (12,866 to 25,843)
Vanuatu	3 (1 to 5)	6.7 (3.0 to 13.5)	375.3 (219.2 to 602.6)	15,154 (8,850 to 24,335)	11 (6 to 22)	4.1 (2.2 to 7.9)	219.4 (145.2 to 291.0)	60,644 (40,139 to 80,438)
North Africa and Middle East	1,823 (952 to 3,075)	2.9 (1.5 to 4.9)	107.3 (48.3 to 208.1)	6,814,981 (3,068,712 to 13,219,732)	2,744 (1,566 to 4,259)	0.5 (0.3 to 0.7)	40.4 (24.3 to 60.9)	23,221,621 (13,967,835 to 35,010,094)
North Africa and Middle East	1,823 (952 to 3,075)	2.9 (1.5 to 4.9)	107.3 (48.3 to 208.1)	6,814,981 (3,068,712 to 13,219,732)	2,744 (1,566 to 4,259)	0.5 (0.3 to 0.7)	40.4 (24.3 to 60.9)	23,221,621 (13,967,835 to 35,010,094)
Afghanistan	351 (141 to 730)	7.1 (2.8 to 14.7)	147.5 (49.2 to 323.7)	699,216 (233,196 to 1,535,169)	417 (196 to 797)	1.2 (0.6 to 2.4)	53.9 (27.4 to 94.4)	1,789,465 (910,140 to 3,131,364)
Algeria	18 (7 to 39)	0.4 (0.1 to 0.8)	64.2 (22.1 to 135.4)	326,574 (112,411 to 689,106)	63 (32 to 114)	0.2 (0.1 to 0.3)	26.9 (14.3 to 44.4)	1,099,265 (584,684 to 1,811,961)
Bahrain	0 (0 to 0)	0.1 (0.0 to 0.1)	76.5 (25.2 to 181.2)	7,375 (2,431 to 17,474)	1 (0 to 2)	0.1 (0.0 to 0.1)	23.8 (12.5 to 39.9)	32,934 (17,291 to 55,331)
Egypt	439 (210 to 826)	4.0 (1.9 to 7.6)	55.9 (23.2 to 101.6)	668,051 (277,980 to 1,214,565)	563 (289 to 997)	0.6 (0.3 to 1.1)	23.4 (13.9 to 35.0)	2,168,632 (1,287,096 to 3,241,846)
Iran	54 (17 to 124)	0.7 (0.2 to 1.5)	243.5 (130.8 to 409.9)	1,727,027 (927,848 to 2,907,170)	262 (150 to 488)	0.3 (0.2 to 0.6)	93.4 (60.5 to 126.4)	7,507,681 (4,862,146 to 10,160,779)
Iraq	127 (41 to 267)	1.6 (0.5 to 3.5)	98.3 (32.2 to 211.4)	727,937 (238,245 to 1,565,006)	207 (101 to 362)	0.5 (0.3 to 0.9)	39.0 (19.4 to 69.5)	1,525,735 (759,029 to 2,717,889)
Jordan	0 (0 to 1)	0.0 (0.0 to 0.1)	9.5 (0.9 to 30.9)	9,083 (911 to 29,616)	1 (1 to 2)	0.0 (0.0 to 0.0)	5.1 (1.5 to 10.8)	39,535 (11,215 to 83,078)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
Kuwait	0 (0 to 1)	0.1 (0.0 to 0.2)	35.3 (11.7 to 81.6)	23,532 (7,768 to 54,320)	1 (0 to 1)	0.0 (0.0 to 0.0)	25.2 (13.4 to 42.2)	108,804 (58,062 to 182,514)
Lebanon	1 (0 to 2)	0.3 (0.1 to 0.6)	98.0 (33.4 to 212.5)	29,551 (10,083 to 64,066)	6 (3 to 14)	0.1 (0.0 to 0.2)	29.0 (15.9 to 46.4)	168,271 (92,311 to 269,595)
Libya	2 (1 to 4)	0.4 (0.2 to 0.8)	100.6 (42.8 to 203.9)	49,496 (21,067 to 100,318)	7 (4 to 12)	0.1 (0.1 to 0.2)	46.1 (27.4 to 70.7)	285,340 (169,446 to 437,933)
Morocco	74 (31 to 147)	3.2 (1.4 to 6.4)	90.8 (30.4 to 201.3)	203,715 (68,313 to 451,836)	123 (64 to 214)	0.4 (0.2 to 0.6)	26.3 (14.2 to 43.6)	883,680 (477,592 to 1,464,320)
Palestine	3 (1 to 6)	0.2 (0.1 to 0.5)	90.6 (29.5 to 200.6)	96,922 (31,600 to 214,525)	5 (3 to 9)	0.1 (0.1 to 0.2)	39.0 (19.3 to 70.0)	200,819 (99,286 to 360,580)
Oman	0 (0 to 0)	0.1 (0.0 to 0.1)	70.6 (23.8 to 157.4)	30,398 (10,243 to 67,773)	2 (1 to 3)	0.0 (0.0 to 0.1)	26.8 (13.9 to 43.6)	125,312 (65,184 to 203,984)
Qatar	0 (0 to 0)	0.1 (0.0 to 0.2)	45.9 (15.4 to 105.6)	5,812 (1,946 to 13,377)	0 (0 to 0)	0.0 (0.0 to 0.0)	12.6 (6.6 to 21.3)	28,837 (15,018 to 48,650)
Saudi Arabia	4 (2 to 6)	0.2 (0.1 to 0.3)	79.1 (43.5 to 133.6)	201,810 (110,824 to 340,742)	33 (17 to 56)	0.1 (0.1 to 0.2)	35.2 (23.2 to 47.7)	1,112,989 (731,360 to 1,506,341)
Sudan	234 (63 to 562)	5.6 (1.5 to 13.4)	132.9 (35.1 to 290.3)	490,564 (129,527 to 1,071,843)	406 (158 to 811)	1.0 (0.4 to 2.1)	37.6 (17.8 to 65.4)	1,460,248 (690,922 to 2,539,588)
Syria	3 (1 to 6)	0.2 (0.1 to 0.3)	64.5 (21.7 to 149.5)	125,368 (42,073 to 290,378)	7 (3 to 12)	0.0 (0.0 to 0.1)	27.4 (14.2 to 48.0)	503,787 (261,663 to 881,859)
Tunisia	1 (0 to 2)	0.1 (0.0 to 0.2)	28.8 (6.8 to 65.8)	26,701 (6,336 to 61,076)	10 (4 to 24)	0.1 (0.0 to 0.2)	12.6 (6.2 to 20.9)	142,072 (70,582 to 236,011)
Turkey	17 (7 to 35)	0.3 (0.1 to 0.6)	81.3 (27.1 to 186.8)	506,539 (168,943 to 1,164,383)	58 (31 to 107)	0.1 (0.0 to 0.1)	28.0 (15.0 to 46.4)	2,226,276 (1,193,836 to 3,685,159)
United Arab Emirates	0 (0 to 1)	0.1 (0.0 to 0.1)	75.6 (24.7 to 176.3)	70,369 (23,027 to 164,157)	4 (2 to 8)	0.0 (0.0 to 0.1)	23.4 (12.0 to 39.7)	226,837 (116,891 to 385,902)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
Yemen	494 (162 to 1,059)	10.7 (3.5 to 22.9)	181.8 (61.6 to 392.1)	821,205 (278,413 to 1,771,091)	569 (214 to 1,153)	2.0 (0.8 to 4.1)	58.9 (29.5 to 105.4)	1,650,979 (827,908 to 2,953,977)
South Asia	10,443 (6,658 to 15,566)	6.8 (4.3 to 10.1)	89.5 (51.1 to 143.0)	14,308,810 (8,166,722 to 22,853,542)	78,392 (47,670 to 134,099)	4.6 (2.8 to 7.9)	43.2 (28.9 to 57.2)	73,683,839 (49,272,837 to 97,539,370)
South Asia	10,443 (6,658 to 15,566)	6.8 (4.3 to 10.1)	89.5 (51.1 to 143.0)	14,308,810 (8,166,722 to 22,853,542)	78,392 (47,670 to 134,099)	4.6 (2.8 to 7.9)	43.2 (28.9 to 57.2)	73,683,839 (49,272,837 to 97,539,370)
Bangladesh	559 (312 to 917)	3.9 (2.2 to 6.4)	142.0 (84.2 to 224.1)	2,118,364 (1,256,386 to 3,343,394)	5,721 (3,098 to 11,181)	3.5 (1.9 to 6.9)	73.4 (49.9 to 94.8)	11,924,941 (8,109,770 to 15,405,909)
Bhutan	2 (1 to 4)	2.8 (1.2 to 5.6)	391.1 (209.5 to 632.3)	29,579 (15,842 to 47,817)	11 (2 to 27)	1.4 (0.3 to 3.4)	172.6 (111.2 to 235.3)	137,316 (88,425 to 187,143)
India	4,643 (2,988 to 6,999)	4.1 (2.7 to 6.2)	47.5 (26.2 to 81.1)	5,515,026 (3,041,012 to 9,420,939)	61,705 (36,417 to 104,880)	4.7 (2.8 to 8.0)	32.1 (21.2 to 43.4)	42,311,398 (27,994,070 to 57,291,328)
Nepal	144 (62 to 274)	3.6 (1.6 to 6.9)	201.0 (109.1 to 340.6)	846,208 (459,155 to 1,433,823)	1,501 (763 to 2,661)	5.0 (2.5 to 8.8)	91.6 (60.5 to 128.0)	2,776,217 (1,831,703 to 3,877,565)
Pakistan	5,094 (2,973 to 8,143)	22.1 (12.9 to 35.3)	241.3 (135.8 to 377.3)	5,897,218 (3,319,900 to 9,221,246)	9,454 (5,561 to 16,135)	5.0 (2.9 to 8.4)	84.9 (55.5 to 113.6)	16,324,834 (10,679,347 to 21,841,855)
Sub-Saharan Africa	47,795 (30,144 to 71,661)	30.5 (19.3 to 45.8)	213.5 (117.7 to 372.4)	33,729,011 (18,586,036 to 58,822,680)	113,199 (73,683 to 168,125)	11.5 (7.5 to 17.2)	99.2 (64.9 to 136.9)	97,363,433 (63,741,963 to 134,361,302)
Southern Sub-Saharan Africa	1,741 (1,117 to 2,652)	20.2 (13.0 to 30.8)	189.4 (109.5 to 301.6)	1,716,531 (992,173 to 2,733,071)	4,726 (2,946 to 7,279)	6.1 (3.8 to 9.5)	107.9 (73.3 to 139.2)	8,351,367 (5,673,379 to 10,780,978)
Botswana	34 (14 to 62)	12.9 (5.4 to 23.6)	146.4 (80.0 to 253.1)	39,834 (21,782 to 68,876)	135 (62 to 246)	5.9 (2.7 to 10.7)	74.0 (49.1 to 98.0)	170,627 (113,052 to 225,832)
Lesotho	154 (88 to 250)	59.7 (34.0 to 96.9)	232.3 (132.5 to 378.0)	58,646 (33,446 to 95,445)	428 (220 to 734)	20.0 (10.3 to 34.4)	111.3 (73.6 to 147.7)	237,020 (156,692 to 314,531)
Namibia	100 (51 to 173)	30.1 (15.4 to 51.9)	225.8 (122.1 to 377.9)	76,909 (41,588 to 128,715)	201 (110 to 315)	8.1 (4.4 to 12.6)	98.8 (64.4 to 132.8)	247,593 (161,495 to 332,927)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
South Africa	412 (237 to 671)	8.2 (4.7 to 13.4)	176.7 (101.8 to 279.4)	955,202 (550,403 to 1,509,864)	2,137 (1,241 to 3,535)	4.1 (2.4 to 6.7)	113.0 (78.2 to 143.7)	6,006,660 (4,154,649 to 7,639,370)
Swaziland	89 (49 to 150)	42.6 (23.3 to 71.9)	213.7 (119.5 to 366.1)	43,689 (24,425 to 74,839)	166 (98 to 258)	12.4 (7.3 to 19.3)	105.9 (69.3 to 143.6)	141,291 (92,393 to 191,557)
Zimbabwe	951 (563 to 1,540)	37.6 (22.2 to 60.8)	209.0 (120.7 to 335.9)	541,004 (312,564 to 869,608)	1,660 (1,013 to 2,573)	10.4 (6.3 to 16.1)	96.4 (63.2 to 130.4)	1,543,578 (1,012,362 to 2,088,404)
Western Sub-Saharan Africa	29,027 (17,665 to 45,045)	44.9 (27.3 to 69.7)	210.6 (117.0 to 355.1)	13,751,383 (7,637,743 to 23,188,393)	45,813 (28,828 to 68,003)	11.5 (7.2 to 17.1)	82.5 (53.2 to 116.0)	32,898,776 (21,218,837 to 46,292,357)
Benin	715 (321 to 1,302)	37.4 (16.8 to 68.1)	133.4 (51.9 to 276.0)	260,626 (101,305 to 539,041)	1,129 (621 to 1,832)	10.0 (5.5 to 16.2)	54.1 (30.4 to 87.5)	615,371 (345,655 to 996,369)
Burkina Faso	304 (146 to 559)	9.5 (4.6 to 17.5)	73.3 (31.0 to 141.1)	236,017 (99,803 to 454,121)	795 (456 to 1,285)	4.3 (2.4 to 6.9)	33.8 (18.8 to 52.1)	630,563 (350,248 to 970,979)
Cameroon	646 (258 to 1,278)	16.7 (6.7 to 33.0)	181.4 (69.5 to 373.6)	713,293 (273,229 to 1,469,201)	1,386 (760 to 2,378)	5.8 (3.2 to 9.9)	63.8 (35.0 to 104.5)	1,535,376 (840,879 to 2,514,174)
Cape Verde	1 (0 to 2)	1.4 (0.6 to 2.6)	99.7 (37.5 to 212.5)	7,414 (2,785 to 15,798)	4 (2 to 8)	0.8 (0.4 to 1.4)	44.6 (25.7 to 69.1)	24,456 (14,097 to 37,861)
Chad	1,772 (774 to 3,261)	67.1 (29.3 to 123.5)	267.3 (103.2 to 535.4)	689,231 (266,122 to 1,380,410)	2,427 (1,293 to 4,071)	16.8 (9.0 to 28.2)	91.2 (49.6 to 149.8)	1,309,920 (712,221 to 2,153,375)
Cote d'Ivoire	1,241 (558 to 2,353)	34.9 (15.7 to 66.1)	190.3 (73.4 to 393.1)	665,285 (256,535 to 1,374,333)	1,829 (991 to 3,136)	7.9 (4.3 to 13.6)	62.9 (35.0 to 102.0)	1,446,747 (804,874 to 2,345,553)
The Gambia	72 (38 to 123)	19.6 (10.5 to 33.6)	227.7 (122.8 to 380.8)	83,625 (45,107 to 139,841)	130 (76 to 221)	6.4 (3.7 to 10.8)	94.4 (60.6 to 132.6)	193,003 (123,878 to 271,157)
Ghana	179 (79 to 341)	4.1 (1.8 to 7.9)	117.2 (47.5 to 242.4)	541,022 (219,383 to 1,118,684)	537 (296 to 946)	1.9 (1.0 to 3.3)	45.9 (26.1 to 72.4)	1,308,023 (743,892 to 2,063,019)
Guinea	332 (138 to 656)	16.3 (6.8 to 32.2)	183.9 (71.6 to 374.0)	367,956 (143,370 to 748,563)	761 (434 to 1,331)	5.9 (3.4 to 10.3)	66.2 (36.6 to 106.0)	850,690 (470,801 to 1,362,690)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
Guinea-Bissau	29 (13 to 53)	9.4 (4.3 to 17.2)	57.4 (19.3 to 123.5)	17,538 (5,882 to 37,726)	64 (35 to 111)	3.4 (1.8 to 5.9)	22.9 (11.2 to 37.7)	43,445 (21,277 to 71,602)
Liberia	269 (121 to 484)	37.7 (17.0 to 67.8)	223.9 (86.7 to 451.7)	158,960 (61,559 to 320,693)	495 (276 to 848)	10.7 (6.0 to 18.4)	79.6 (44.0 to 127.4)	367,453 (203,094 to 587,969)
Mali	402 (180 to 771)	12.8 (5.7 to 24.5)	32.9 (5.2 to 77.7)	101,354 (15,890 to 239,409)	742 (389 to 1,254)	4.1 (2.2 to 7.0)	15.4 (5.8 to 27.9)	275,518 (104,610 to 499,438)
Mauritania	78 (34 to 145)	15.2 (6.6 to 28.1)	175.0 (70.4 to 348.3)	87,363 (35,126 to 173,829)	204 (107 to 371)	5.0 (2.6 to 9.1)	60.4 (34.5 to 94.6)	245,092 (139,716 to 383,657)
Niger	1,213 (556 to 2,326)	32.9 (15.1 to 63.1)	108.8 (47.3 to 210.6)	403,580 (175,489 to 781,123)	1,963 (1,069 to 3,300)	9.8 (5.3 to 16.4)	49.6 (28.3 to 76.4)	997,180 (568,032 to 1,536,493)
Nigeria	20,320 (11,818 to 32,537)	68.8 (40.0 to 110.2)	272.1 (157.3 to 437.5)	8,170,468 (4,722,548 to 13,136,816)	30,275 (18,478 to 45,698)	16.4 (10.0 to 24.7)	108.3 (70.8 to 146.9)	20,069,335 (13,122,511 to 27,216,995)
Sao Tome and Principe	2 (1 to 5)	7.0 (2.5 to 14.4)	157.0 (61.2 to 322.0)	5,425 (2,115 to 11,127)	4 (2 to 7)	2.0 (1.0 to 3.6)	58.4 (32.1 to 96.7)	11,627 (6,394 to 19,249)
Senegal	844 (461 to 1,417)	33.2 (18.1 to 55.7)	346.8 (203.3 to 553.5)	888,887 (520,951 to 1,418,567)	1,862 (1,164 to 2,837)	12.0 (7.5 to 18.4)	136.4 (90.2 to 187.5)	2,111,326 (1,395,894 to 2,901,519)
Sierra Leone	477 (206 to 880)	45.8 (19.8 to 84.7)	159.2 (61.9 to 330.3)	165,716 (64,429 to 343,794)	817 (441 to 1,331)	12.3 (6.7 to 20.1)	61.3 (34.1 to 99.7)	405,868 (225,974 to 660,543)
Togo	130 (52 to 249)	11.9 (4.7 to 22.7)	160.8 (63.3 to 326.7)	175,690 (69,119 to 356,981)	388 (213 to 690)	5.2 (2.9 to 9.3)	61.0 (34.5 to 96.1)	451,819 (256,067 to 712,247)
Eastern Sub-Saharan Africa	14,934 (9,448 to 22,501)	23.9 (15.1 to 36.0)	259.0 (142.8 to 448.5)	16,154,581 (8,907,765 to 27,978,045)	57,473 (36,018 to 90,963)	14.8 (9.3 to 23.5)	133.1 (87.0 to 181.5)	51,479,886 (33,640,524 to 70,237,981)
Burundi	1,628 (837 to 2,839)	76.0 (39.1 to 132.5)	338.6 (176.5 to 615.2)	716,299 (373,306 to 1,301,369)	3,037 (1,774 to 4,899)	26.2 (15.3 to 42.3)	150.0 (95.6 to 216.7)	1,731,913 (1,103,785 to 2,501,169)
Comoros	14 (6 to 28)	14.8 (6.6 to 29.6)	265.7 (134.0 to 499.6)	25,830 (13,026 to 48,564)	98 (50 to 182)	12.6 (6.4 to 23.3)	139.0 (88.0 to 196.8)	108,873 (68,951 to 154,150)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
Djibouti	17 (7 to 36)	9.6 (3.8 to 20.7)	256.1 (125.5 to 507.9)	32,098 (15,725 to 63,660)	74 (36 to 148)	7.7 (3.8 to 15.2)	101.2 (63.7 to 145.8)	93,289 (58,740 to 134,414)
Eritrea	265 (126 to 474)	33.3 (15.8 to 59.6)	290.9 (143.4 to 570.3)	218,322 (107,591 to 427,956)	774 (450 to 1,259)	14.5 (8.4 to 23.6)	130.6 (82.0 to 189.0)	690,501 (433,595 to 999,242)
Ethiopia	3,577 (1,987 to 5,786)	23.4 (13.0 to 37.9)	332.9 (188.5 to 535.4)	4,918,388 (2,785,016 to 7,910,055)	16,454 (9,932 to 27,358)	16.1 (9.7 to 26.7)	163.3 (106.4 to 221.8)	16,628,055 (10,829,949 to 22,577,930)
Kenya	1,046 (677 to 1,533)	15.9 (10.3 to 23.3)	168.7 (94.0 to 277.3)	1,111,054 (619,059 to 1,826,660)	10,593 (5,798 to 17,018)	22.7 (12.4 to 36.5)	126.0 (84.2 to 165.5)	5,870,399 (3,924,222 to 7,708,623)
Madagascar	2,418 (1,132 to 4,394)	62.2 (29.1 to 113.0)	320.7 (159.1 to 605.8)	1,238,874 (614,467 to 2,340,101)	4,788 (2,777 to 7,634)	19.2 (11.1 to 30.6)	130.4 (81.2 to 188.5)	3,248,822 (2,022,073 to 4,697,024)
Malawi	792 (408 to 1,389)	24.7 (12.7 to 43.4)	290.4 (144.6 to 556.1)	937,954 (467,099 to 1,796,100)	2,593 (1,528 to 4,271)	14.4 (8.5 to 23.8)	133.4 (82.8 to 194.4)	2,398,509 (1,489,045 to 3,493,624)
Mozambique	675 (375 to 1,143)	13.6 (7.5 to 23.0)	147.9 (84.5 to 237.1)	742,805 (424,490 to 1,190,479)	1,930 (1,034 to 3,323)	6.7 (3.6 to 11.5)	80.8 (53.0 to 109.4)	2,331,033 (1,530,635 to 3,157,831)
Rwanda	316 (154 to 569)	16.9 (8.2 to 30.4)	214.9 (111.2 to 405.1)	398,829 (206,263 to 751,674)	1,025 (526 to 1,739)	8.5 (4.4 to 14.4)	108.7 (69.7 to 158.1)	1,310,356 (840,267 to 1,906,377)
Somalia	543 (250 to 1,075)	41.2 (18.9 to 81.5)	426.4 (256.6 to 692.9)	504,236 (303,446 to 819,373)	2,262 (1,156 to 4,441)	21.8 (11.1 to 42.7)	191.9 (127.7 to 258.0)	1,967,604 (1,309,288 to 2,644,555)
South Sudan	692 (300 to 1,443)	24.2 (10.5 to 50.5)	353.7 (174.0 to 689.6)	1,054,417 (518,802 to 2,055,617)	2,437 (1,415 to 4,158)	17.9 (10.4 to 30.6)	197.7 (122.9 to 287.8)	2,709,955 (1,684,750 to 3,944,467)
Tanzania	1,138 (612 to 1,969)	12.6 (6.8 to 21.9)	160.9 (86.6 to 277.9)	1,511,020 (813,210 to 2,609,639)	6,357 (3,582 to 10,857)	11.7 (6.6 to 19.9)	96.5 (63.4 to 132.2)	5,298,059 (3,481,527 to 7,255,338)
Uganda	1,434 (733 to 2,423)	19.1 (9.8 to 32.2)	302.7 (148.5 to 586.8)	2,284,551 (1,120,811 to 4,428,753)	3,688 (2,183 to 5,985)	9.1 (5.4 to 14.8)	143.2 (88.7 to 211.0)	5,788,480 (3,584,856 to 8,528,305)
Zambia	381 (186 to 677)	13.4 (6.5 to 23.8)	162.7 (81.7 to 295.6)	459,101 (230,504 to 834,332)	1,363 (773 to 2,233)	8.2 (4.6 to 13.4)	77.9 (49.2 to 116.1)	1,294,997 (818,931 to 1,930,364)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths	Deaths per 100,000	Incidence per 1000	Cases
Central Sub-Saharan Africa	2,094 (950 to 3,702)	10.1 (4.6 to 17.8)	97.1 (33.6 to 205.2)	2,062,550 (714,274 to 4,357,213)	5,186 (2,966 to 8,346)	4.4 (2.5 to 7.1)	39.4 (19.5 to 69.7)	4,660,748 (2,307,383 to 8,243,199)
Angola	177 (56 to 384)	3.6 (1.1 to 7.8)	20.6 (1.7 to 66.9)	102,811 (8,331 to 334,658)	395 (187 to 703)	1.5 (0.7 to 2.7)	8.9 (1.5 to 21.6)	232,559 (37,846 to 562,378)
Central African Republic	406 (217 to 715)	54.7 (29.2 to 96.3)	308.6 (158.5 to 525.9)	244,149 (125,374 to 416,041)	1,051 (616 to 1,678)	21.0 (12.3 to 33.4)	120.3 (75.9 to 169.7)	609,285 (384,556 to 859,471)
Congo	52 (19 to 111)	7.0 (2.6 to 14.9)	110.5 (35.7 to 239.7)	82,344 (26,590 to 178,625)	222 (111 to 409)	4.7 (2.4 to 8.7)	42.4 (20.7 to 75.1)	199,876 (97,640 to 353,834)
Democratic Republic of the Congo	1,450 (524 to 2,847)	10.3 (3.7 to 20.3)	111.5 (36.1 to 240.8)	1,599,408 (518,399 to 3,454,820)	3,467 (1,835 to 5,890)	4.4 (2.3 to 7.4)	44.2 (21.5 to 79.0)	3,527,824 (1,714,505 to 6,309,337)
Equatorial Guinea	1 (0 to 2)	0.9 (0.3 to 2.0)	111.7 (34.4 to 245.9)	10,955 (3,372 to 24,126)	7 (2 to 21)	0.8 (0.2 to 2.5)	42.1 (20.5 to 72.0)	35,217 (17,119 to 60,222)
Gabon	9 (3 to 18)	3.5 (1.3 to 7.4)	96.6 (30.2 to 207.9)	23,988 (7,496 to 51,617)	44 (20 to 92)	2.5 (1.1 to 5.2)	36.7 (18.2 to 63.2)	64,982 (32,112 to 111,705)

**Supplementary Table 4. Estimated country-level results for ETEC diarrhoea in 2016**

Values in parentheses are 95% uncertainty intervals.

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths <sup>2</sup>	Deaths per 100,000 <sup>3</sup>	Incidence per 1000 <sup>4</sup>	Cases <sup>5</sup>
Global	18,669 (9,800 to 30,659)	3.0 (1.6 to 4.9)	116.8 (61.7 to 202.6)	75,163,376 (39,689,144 to 130,352,142)	51,186 (26,757 to 83,064)	0.7 (0.4 to 1.1)	30.1 (19.6 to 43.6)	222,637,561 (144,947,450 to 322,845,099)
High-income	3 (1 to 6)	0.0 (0.0 to 0.0)	8.1 (2.4 to 18.9)	473,026 (138,811 to 1,101,291)	183 (48 to 398)	0.0 (0.0 to 0.0)	1.4 (0.8 to 2.4)	1,518,579 (819,630 to 2,500,418)
High-income North America	0 (0 to 0)	0.0 (0.0 to 0.0)	0.2 (0.1 to 0.3)	4,301 (2,817 to 6,078)	6 (4 to 7)	0.0 (0.0 to 0.0)	0.1 (0.0 to 0.1)	24,644 (17,158 to 31,715)
Canada	0 (0 to 0)	0.0 (0.0 to 0.0)	0.1 (0.1 to 0.2)	260 (163 to 377)	1 (1 to 1)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.1)	1,605 (1,099 to 2,095)
Greenland	0 (0 to 0)	0.0 (0.0 to 0.0)	0.2 (0.1 to 0.3)	1 (0 to 1)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.1 (0.0 to 0.1)	3 (2 to 4)
United States	0 (0 to 0)	0.0 (0.0 to 0.0)	0.2 (0.1 to 0.3)	4,041 (2,651 to 5,702)	5 (3 to 6)	0.0 (0.0 to 0.0)	0.1 (0.0 to 0.1)	23,037 (16,044 to 29,602)
Australasia	0 (0 to 0)	0.0 (0.0 to 0.0)	0.2 (0.0 to 1.0)	313 (71 to 1,813)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.1 (0.0 to 0.1)	1,532 (791 to 4,153)
Australia	0 (0 to 0)	0.0 (0.0 to 0.0)	0.1 (0.0 to 0.9)	222 (50 to 1,301)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.1)	1,119 (578 to 3,032)
New Zealand	0 (0 to 0)	0.0 (0.0 to 0.0)	0.3 (0.1 to 1.8)	90 (21 to 528)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.1 (0.0 to 0.3)	413 (209 to 1,154)
High-income Asia Pacific	0 (0 to 0)	0.0 (0.0 to 0.0)	0.3 (0.1 to 1.6)	2,157 (463 to 12,190)	2 (1 to 3)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.1)	7,655 (3,726 to 22,502)
Brunei	0 (0 to 0)	0.0 (0.0 to 0.0)	0.2 (0.1 to 1.3)	8 (2 to 45)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.2)	19 (8 to 69)
Japan	0 (0 to 0)	0.0 (0.0 to 0.0)	0.3 (0.1 to 1.8)	1,685 (341 to 9,440)	2 (1 to 2)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.1)	6,046 (2,923 to 17,743)
Singapore	0 (0 to 0)	0.0 (0.0 to 0.0)	0.2 (0.1 to 1.4)	43 (10 to 246)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.1)	142 (66 to 446)
South Korea	0 (0 to 0)	0.0 (0.0 to 0.0)	0.2 (0.0 to 1.1)	422 (94 to 2,493)	1 (0 to 1)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.1)	1,448 (691 to 4,345)
Western Europe	3 (1 to 6)	0.0 (0.0 to 0.0)	20.9 (5.9 to 48.6)	464,291 (131,365 to 1,079,493)	174 (41 to 388)	0.0 (0.0 to 0.1)	3.5 (1.9 to 5.7)	1,487,136 (797,182 to 2,439,141)
Andorra	0 (0 to 0)	0.0 (0.0 to 0.0)	17.8 (0.9 to 54.2)	53 (3 to 162)	0 (0 to 0)	0.0 (0.0 to 0.0)	2.2 (0.5 to 4.5)	171 (43 to 354)



Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths <sup>2</sup>	Deaths per 100,000 <sup>3</sup>	Incidence per 1000 <sup>4</sup>	Cases <sup>5</sup>
Austria	0 (0 to 0)	0.0 (0.0 to 0.0)	31.2 (3.8 to 82.6)	12,299 (1,511 to 32,581)	1 (0 to 2)	0.0 (0.0 to 0.0)	4.5 (1.7 to 8.2)	38,730 (14,914 to 71,544)
Belgium	0 (0 to 0)	0.0 (0.0 to 0.0)	22.2 (1.0 to 66.7)	13,758 (651 to 41,434)	3 (0 to 14)	0.0 (0.0 to 0.1)	3.1 (0.7 to 6.6)	34,784 (8,458 to 74,414)
Cyprus	0 (0 to 0)	0.0 (0.0 to 0.1)	21.9 (1.1 to 66.1)	1,133 (58 to 3,420)	0 (0 to 1)	0.0 (0.0 to 0.1)	3.2 (0.8 to 6.9)	2,879 (731 to 6,268)
Denmark	0 (0 to 0)	0.0 (0.0 to 0.0)	20.0 (1.1 to 60.4)	5,729 (308 to 17,250)	1 (0 to 6)	0.0 (0.0 to 0.1)	2.9 (0.7 to 6.1)	16,373 (4,235 to 34,785)
Finland	0 (0 to 0)	0.0 (0.0 to 0.0)	12.7 (0.5 to 43.5)	3,705 (142 to 12,677)	0 (0 to 0)	0.0 (0.0 to 0.0)	1.9 (0.3 to 4.6)	10,278 (1,847 to 25,601)
France	1 (0 to 2)	0.0 (0.0 to 0.1)	24.8 (4.5 to 71.8)	96,784 (17,457 to 280,251)	40 (3 to 111)	0.1 (0.0 to 0.2)	4.2 (1.7 to 7.9)	270,480 (111,830 to 513,195)
Germany	0 (0 to 1)	0.0 (0.0 to 0.0)	32.2 (8.9 to 69.8)	111,770 (30,973 to 242,423)	75 (12 to 159)	0.1 (0.0 to 0.2)	5.7 (3.3 to 8.9)	460,266 (263,550 to 722,294)
Greece	0 (0 to 0)	0.0 (0.0 to 0.0)	34.2 (11.4 to 75.9)	16,275 (5,441 to 36,108)	1 (0 to 1)	0.0 (0.0 to 0.0)	5.6 (3.3 to 8.7)	60,620 (35,602 to 94,433)
Iceland	0 (0 to 0)	0.0 (0.0 to 0.0)	18.9 (0.9 to 57.5)	403 (19 to 1,230)	0 (0 to 0)	0.0 (0.0 to 0.0)	2.9 (0.7 to 6.4)	975 (239 to 2,110)
Ireland	0 (0 to 0)	0.0 (0.0 to 0.0)	7.6 (0.3 to 31.9)	2,847 (97 to 11,921)	0 (0 to 0)	0.0 (0.0 to 0.0)	1.2 (0.1 to 3.6)	5,524 (417 to 16,942)
Israel	0 (0 to 0)	0.0 (0.0 to 0.0)	0.9 (0.1 to 5.9)	777 (118 to 4,929)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.2 (0.0 to 0.9)	1,623 (369 to 7,116)
Italy	0 (0 to 0)	0.0 (0.0 to 0.0)	0.2 (0.1 to 0.3)	610 (372 to 864)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.0 (0.0 to 0.1)	2,333 (1,590 to 3,048)
Luxembourg	0 (0 to 0)	0.0 (0.0 to 0.0)	19.7 (1.1 to 58.1)	574 (31 to 1,691)	0 (0 to 0)	0.0 (0.0 to 0.1)	2.7 (0.7 to 5.5)	1,532 (388 to 3,182)
Malta	0 (0 to 0)	0.0 (0.0 to 0.0)	7.2 (0.4 to 22.2)	153 (9 to 473)	0 (0 to 0)	0.0 (0.0 to 0.0)	1.0 (0.3 to 2.1)	418 (108 to 906)
Netherlands	0 (0 to 0)	0.0 (0.0 to 0.0)	25.7 (1.3 to 78.8)	22,385 (1,122 to 68,555)	3 (0 to 12)	0.0 (0.0 to 0.1)	3.6 (0.9 to 7.7)	62,477 (15,415 to 131,610)
Norway	0 (0 to 0)	0.0 (0.0 to 0.0)	16.6 (0.9 to 49.5)	4,713 (248 to 14,006)	2 (0 to 7)	0.0 (0.0 to 0.1)	2.3 (0.6 to 4.8)	12,030 (3,048 to 25,331)
Portugal	0 (0 to 0)	0.0 (0.0 to 0.0)	0.6 (0.1 to 4.1)	268 (67 to 1,908)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.1 (0.0 to 0.3)	806 (344 to 3,065)
Spain	0 (0 to 0)	0.0 (0.0 to 0.0)	11.7 (0.6 to 36.1)	27,716 (1,429 to 85,808)	4 (0 to 18)	0.0 (0.0 to 0.0)	1.7 (0.4 to 3.7)	79,865 (19,236 to 170,737)

Location	Under-5				All ages			
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Sweden	0 (0 to 0)	0.0 (0.0 to 0.0)	22.5 (6.9 to 48.7)	12,784 (3,949 to 27,660)	2 (0 to 7)	0.0 (0.0 to 0.1)	3.1 (1.4 to 5.6)	30,792 (13,607 to 55,496)
Switzerland	0 (0 to 0)	0.0 (0.0 to 0.0)	0.5 (0.3 to 0.8)	206 (122 to 346)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.1 (0.1 to 0.1)	793 (534 to 1,210)
England	1 (0 to 1)	0.0 (0.0 to 0.0)	35.0 (16.2 to 67.2)	111,314 (51,461 to 213,316)	35 (14 to 61)	0.1 (0.0 to 0.1)	6.0 (3.7 to 9.0)	329,661 (203,610 to 491,952)
Northern Ireland	0 (0 to 0)	0.0 (0.0 to 0.1)	21.1 (5.6 to 46.1)	2,508 (669 to 5,468)	0 (0 to 1)	0.0 (0.0 to 0.1)	3.9 (2.1 to 6.5)	7,358 (3,830 to 12,207)
Scotland	0 (0 to 0)	0.0 (0.0 to 0.0)	24.5 (8.0 to 52.6)	6,673 (2,170 to 14,333)	3 (1 to 5)	0.1 (0.0 to 0.1)	4.5 (2.6 to 7.0)	24,403 (14,162 to 37,723)
Wales	0 (0 to 0)	0.1 (0.0 to 0.1)	55.6 (21.1 to 112.3)	8,938 (3,396 to 18,061)	3 (1 to 5)	0.1 (0.0 to 0.2)	10.6 (6.7 to 15.6)	33,095 (20,842 to 48,564)
Southern Latin America	0 (0 to 0)	0.0 (0.0 to 0.0)	1.7 (0.4 to 10.3)	8,722 (1,872 to 51,414)	1 (0 to 1)	0.0 (0.0 to 0.0)	0.2 (0.1 to 0.9)	15,869 (5,518 to 61,028)
Argentina	0 (0 to 0)	0.0 (0.0 to 0.0)	2.0 (0.4 to 11.8)	7,008 (1,505 to 41,729)	0 (0 to 1)	0.0 (0.0 to 0.0)	0.3 (0.1 to 1.1)	12,395 (4,174 to 48,624)
Chile	0 (0 to 0)	0.0 (0.0 to 0.0)	1.3 (0.3 to 7.5)	1,561 (343 to 9,202)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.2 (0.1 to 0.6)	3,189 (1,210 to 11,684)
Uruguay	0 (0 to 0)	0.0 (0.0 to 0.0)	0.6 (0.1 to 3.9)	152 (33 to 937)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.1 (0.0 to 0.3)	278 (101 to 1,108)
Central Europe, Eastern Europe, and Central Asia	86 (44 to 144)	0.3 (0.2 to 0.5)	125.6 (66.6 to 214.9)	3,820,504 (2,026,582 to 6,534,889)	151 (90 to 229)	0.0 (0.0 to 0.1)	25.5 (16.8 to 37.2)	10,632,367 (7,031,368 to 15,537,020)
Eastern Europe	8 (4 to 13)	0.1 (0.0 to 0.1)	123.9 (71.3 to 204.2)	1,695,395 (976,167 to 2,794,484)	23 (14 to 33)	0.0 (0.0 to 0.0)	23.1 (15.4 to 32.7)	4,907,596 (3,267,953 to 6,934,008)
Belarus	0 (0 to 0)	0.0 (0.0 to 0.0)	119.7 (64.8 to 210.9)	71,455 (38,670 to 125,927)	1 (0 to 1)	0.0 (0.0 to 0.0)	20.7 (13.4 to 29.7)	197,545 (128,260 to 284,380)
Estonia	0 (0 to 0)	0.0 (0.0 to 0.0)	232.4 (128.1 to 375.1)	17,845 (9,834 to 28,804)	0 (0 to 0)	0.0 (0.0 to 0.0)	45.8 (30.0 to 65.4)	60,729 (39,833 to 86,723)
Latvia	0 (0 to 0)	0.0 (0.0 to 0.0)	190.4 (103.2 to 326.0)	24,620 (13,337 to 42,142)	0 (0 to 0)	0.0 (0.0 to 0.0)	34.7 (22.7 to 49.8)	69,622 (45,536 to 99,768)
Lithuania	0 (0 to 0)	0.0 (0.0 to 0.0)	225.8 (122.1 to 390.9)	39,866 (21,554 to 69,039)	0 (0 to 1)	0.0 (0.0 to 0.0)	40.4 (26.7 to 57.4)	117,971 (77,961 to 167,690)

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Moldova	0 (0 to 0)	0.1 (0.0 to 0.2)	105.2 (57.7 to 179.5)	23,460 (12,855 to 40,026)	0 (0 to 1)	0.0 (0.0 to 0.0)	15.6 (10.3 to 22.6)	63,527 (41,856 to 91,840)
Russia	7 (3 to 11)	0.1 (0.0 to 0.1)	114.6 (67.2 to 186.7)	1,132,040 (664,318 to 1,844,758)	18 (11 to 27)	0.0 (0.0 to 0.0)	21.9 (14.6 to 31.0)	3,214,617 (2,142,707 to 4,547,022)
Ukraine	1 (0 to 2)	0.0 (0.0 to 0.1)	148.4 (80.9 to 253.0)	386,124 (210,486 to 658,009)	3 (2 to 5)	0.0 (0.0 to 0.0)	25.9 (17.0 to 36.8)	1,183,503 (778,769 to 1,683,797)
Central Europe	4 (2 to 8)	0.1 (0.0 to 0.1)	213.7 (90.2 to 416.3)	1,220,079 (514,888 to 2,376,811)	40 (22 to 64)	0.0 (0.0 to 0.1)	29.7 (18.0 to 46.7)	3,441,408 (2,088,315 to 5,412,845)
Albania	0 (0 to 0)	0.0 (0.0 to 0.1)	162.7 (62.7 to 336.5)	28,237 (10,875 to 58,401)	0 (0 to 1)	0.0 (0.0 to 0.0)	22.8 (12.8 to 38.4)	65,711 (36,889 to 110,649)
Bosnia and Herzegovina	0 (0 to 0)	0.0 (0.0 to 0.1)	68.0 (27.5 to 134.9)	11,736 (4,752 to 23,289)	0 (0 to 0)	0.0 (0.0 to 0.0)	9.0 (5.1 to 14.5)	34,436 (19,607 to 55,325)
Bulgaria	0 (0 to 1)	0.1 (0.0 to 0.2)	177.3 (68.8 to 367.0)	60,273 (23,377 to 124,761)	1 (1 to 2)	0.0 (0.0 to 0.0)	23.0 (13.6 to 37.3)	166,651 (98,822 to 270,500)
Croatia	0 (0 to 0)	0.0 (0.0 to 0.1)	231.5 (95.9 to 435.5)	46,053 (19,070 to 86,632)	1 (1 to 2)	0.0 (0.0 to 0.0)	28.8 (17.0 to 44.8)	121,601 (72,014 to 189,164)
Czech Republic	0 (0 to 0)	0.0 (0.0 to 0.1)	204.5 (82.7 to 405.3)	115,768 (46,833 to 229,392)	10 (5 to 17)	0.1 (0.0 to 0.2)	32.9 (19.6 to 52.0)	350,670 (208,792 to 553,874)
Hungary	0 (0 to 0)	0.1 (0.0 to 0.1)	172.6 (66.9 to 357.0)	87,828 (34,058 to 181,657)	10 (5 to 16)	0.1 (0.1 to 0.2)	29.2 (17.4 to 45.3)	291,174 (173,712 to 451,623)
Macedonia	0 (0 to 0)	0.1 (0.0 to 0.3)	149.1 (60.3 to 294.2)	16,983 (6,869 to 33,509)	0 (0 to 1)	0.0 (0.0 to 0.0)	21.0 (12.1 to 34.7)	43,682 (25,149 to 72,047)
Montenegro	0 (0 to 0)	0.0 (0.0 to 0.1)	102.6 (40.8 to 207.8)	3,793 (1,511 to 7,683)	0 (0 to 0)	0.0 (0.0 to 0.0)	16.1 (9.2 to 26.5)	10,086 (5,793 to 16,606)
Poland	0 (0 to 1)	0.0 (0.0 to 0.0)	214.5 (83.4 to 442.8)	426,283 (165,733 to 879,865)	9 (4 to 14)	0.0 (0.0 to 0.0)	29.3 (16.9 to 47.6)	1,135,408 (654,563 to 1,846,201)

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Romania	2 (1 to 4)	0.3 (0.1 to 0.5)	314.5 (154.5 to 579.7)	250,694 (123,128 to 462,044)	5 (3 to 8)	0.0 (0.0 to 0.0)	40.4 (26.3 to 60.0)	778,917 (506,325 to 1,157,545)
Serbia	0 (0 to 1)	0.1 (0.0 to 0.1)	187.3 (79.9 to 346.1)	76,865 (32,803 to 142,067)	2 (1 to 4)	0.0 (0.0 to 0.0)	23.5 (14.0 to 37.0)	206,100 (122,657 to 324,203)
Slovakia	0 (0 to 0)	0.1 (0.0 to 0.1)	230.2 (88.7 to 470.0)	68,551 (26,411 to 139,945)	1 (0 to 2)	0.0 (0.0 to 0.0)	31.2 (17.8 to 51.6)	170,325 (97,220 to 282,304)
Slovenia	0 (0 to 0)	0.0 (0.0 to 0.0)	245.9 (94.6 to 492.9)	26,147 (10,057 to 52,407)	0 (0 to 1)	0.0 (0.0 to 0.0)	31.2 (17.9 to 50.3)	64,475 (37,062 to 103,965)
Central Asia	74 (37 to 127)	0.8 (0.4 to 1.3)	82.6 (45.8 to 138.7)	909,028 (504,335 to 1,527,024)	89 (48 to 144)	0.1 (0.1 to 0.2)	25.5 (16.6 to 37.1)	2,286,663 (1,489,518 to 3,330,103)
Armenia	0 (0 to 1)	0.2 (0.1 to 0.3)	115.8 (64.1 to 197.1)	26,042 (14,407 to 44,334)	1 (0 to 1)	0.0 (0.0 to 0.0)	27.3 (18.0 to 39.2)	83,143 (54,766 to 119,427)
Azerbaijan	7 (3 to 15)	0.8 (0.3 to 1.6)	132.1 (72.9 to 224.4)	122,315 (67,552 to 207,861)	8 (4 to 16)	0.1 (0.0 to 0.2)	33.1 (21.6 to 47.7)	324,832 (211,848 to 467,125)
Georgia	0 (0 to 1)	0.1 (0.1 to 0.3)	117.3 (63.5 to 202.2)	32,755 (17,722 to 56,462)	1 (1 to 1)	0.0 (0.0 to 0.0)	22.4 (14.8 to 32.2)	89,363 (58,834 to 128,236)
Kazakhstan	3 (1 to 5)	0.1 (0.1 to 0.3)	79.4 (43.7 to 134.6)	155,199 (85,434 to 262,995)	3 (2 to 6)	0.0 (0.0 to 0.0)	23.2 (14.9 to 33.9)	415,043 (266,985 to 605,368)
Kyrgyzstan	8 (4 to 14)	1.1 (0.5 to 1.9)	80.5 (46.2 to 132.3)	65,313 (37,487 to 107,319)	9 (5 to 15)	0.2 (0.1 to 0.3)	26.3 (17.1 to 38.6)	159,236 (103,533 to 233,321)
Mongolia	0 (0 to 0)	0.0 (0.0 to 0.0)	111.3 (62.6 to 187.4)	41,396 (23,282 to 69,732)	0 (0 to 0)	0.0 (0.0 to 0.0)	29.3 (18.8 to 43.2)	89,105 (56,959 to 131,258)
Tajikistan	45 (18 to 83)	3.9 (1.6 to 7.3)	146.5 (80.8 to 243.3)	160,915 (88,688 to 267,133)	53 (24 to 94)	0.6 (0.3 to 1.1)	41.0 (26.3 to 61.3)	350,199 (224,955 to 524,237)
Turkmenistan	5 (2 to 10)	0.8 (0.3 to 1.7)	154.4 (84.2 to 260.0)	82,774 (45,145 to 139,353)	6 (3 to 10)	0.1 (0.0 to 0.2)	40.7 (26.2 to 59.3)	221,619 (142,693 to 322,531)

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Uzbekistan	6 (2 to 12)	0.2 (0.1 to 0.4)	46.3 (24.6 to 79.8)	222,601 (118,548 to 383,903)	8 (4 to 14)	0.0 (0.0 to 0.0)	17.4 (11.1 to 25.7)	553,721 (355,033 to 820,753)
Latin America and Caribbean	348 (183 to 564)	0.7 (0.4 to 1.1)	179.2 (96.9 to 300.3)	8,474,935 (4,582,797 to 14,202,885)	1,006 (596 to 1,466)	0.2 (0.1 to 0.3)	44.6 (29.2 to 64.3)	25,630,683 (16,791,287 to 36,938,790)
Central Latin America	150 (77 to 242)	0.7 (0.3 to 1.1)	111.4 (54.9 to 205.4)	2,490,169 (1,227,153 to 4,590,038)	462 (276 to 677)	0.2 (0.1 to 0.3)	29.8 (18.6 to 45.7)	7,578,241 (4,715,595 to 11,602,381)
Colombia	11 (4 to 23)	0.3 (0.1 to 0.6)	170.2 (67.8 to 365.7)	550,713 (219,344 to 1,183,489)	39 (22 to 60)	0.1 (0.0 to 0.1)	46.7 (27.4 to 74.9)	2,252,063 (1,318,572 to 3,609,572)
Costa Rica	0 (0 to 1)	0.1 (0.0 to 0.3)	145.5 (66.0 to 285.7)	47,183 (21,400 to 92,661)	4 (2 to 6)	0.1 (0.0 to 0.1)	46.1 (28.1 to 71.6)	222,937 (135,913 to 346,039)
El Salvador	3 (1 to 6)	0.5 (0.1 to 1.1)	210.6 (65.6 to 472.8)	98,721 (30,757 to 221,690)	11 (5 to 23)	0.2 (0.1 to 0.4)	55.0 (29.0 to 94.6)	335,595 (177,104 to 576,899)
Guatemala	90 (50 to 142)	4.5 (2.6 to 7.2)	437.4 (251.0 to 685.5)	837,627 (480,645 to 1,312,743)	247 (159 to 356)	1.5 (1.0 to 2.2)	125.5 (82.0 to 179.5)	2,067,058 (1,349,910 to 2,956,981)
Honduras	10 (3 to 23)	1.0 (0.3 to 2.4)	194.9 (64.4 to 406.3)	182,669 (60,306 to 380,702)	37 (15 to 69)	0.4 (0.2 to 0.8)	55.3 (28.2 to 97.2)	460,050 (234,137 to 808,813)
Mexico	24 (9 to 46)	0.2 (0.1 to 0.4)	45.3 (21.1 to 86.6)	528,213 (246,501 to 1,010,315)	97 (48 to 152)	0.1 (0.0 to 0.1)	11.5 (7.0 to 17.7)	1,485,401 (895,182 to 2,279,441)
Nicaragua	8 (4 to 14)	1.3 (0.6 to 2.3)	235.4 (130.2 to 402.4)	143,498 (79,372 to 245,257)	18 (10 to 32)	0.3 (0.2 to 0.5)	80.0 (53.0 to 114.2)	492,834 (326,501 to 703,845)
Panama	4 (1 to 7)	1.0 (0.3 to 2.1)	195.6 (62.8 to 429.5)	71,144 (22,852 to 156,207)	7 (4 to 13)	0.2 (0.1 to 0.3)	56.4 (29.4 to 98.0)	224,557 (117,235 to 390,441)
Venezuela	0 (0 to 1)	0.0 (0.0 to 0.0)	3.6 (1.0 to 26.2)	10,117 (2,808 to 74,140)	1 (0 to 1)	0.0 (0.0 to 0.0)	1.2 (0.4 to 5.2)	38,950 (13,409 to 164,334)
Andean Latin America	43 (24 to 73)	0.6 (0.4 to 1.1)	224.4 (126.1 to 367.5)	1,472,041 (826,886 to 2,410,738)	127 (75 to 213)	0.2 (0.1 to 0.4)	81.1 (54.3 to 113.8)	4,849,344 (3,247,750 to 6,800,556)
Bolivia	19 (9 to 34)	1.4 (0.6 to 2.5)	272.2 (144.6 to 489.0)	363,430 (193,080 to 652,909)	48 (25 to 83)	0.4 (0.2 to 0.8)	100.1 (65.1 to 145.5)	1,104,382 (718,448 to 1,605,421)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths <sup>2</sup>	Deaths per 100,000 <sup>3</sup>	Incidence per 1000 <sup>4</sup>	Cases <sup>5</sup>
Ecuador	10 (5 to 18)	0.5 (0.3 to 1.0)	245.2 (129.4 to 417.9)	414,629 (218,719 to 706,561)	24 (15 to 35)	0.1 (0.1 to 0.2)	80.4 (52.7 to 114.1)	1,323,904 (867,107 to 1,878,829)
Peru	15 (7 to 26)	0.4 (0.2 to 0.7)	196.3 (115.4 to 310.4)	693,772 (407,953 to 1,096,932)	55 (30 to 106)	0.2 (0.1 to 0.3)	75.0 (50.6 to 104.0)	2,420,476 (1,633,608 to 3,357,342)
Caribbean	104 (47 to 203)	2.6 (1.2 to 5.1)	145.4 (80.3 to 246.0)	599,771 (331,223 to 1,015,079)	211 (112 to 359)	0.5 (0.2 to 0.8)	47.2 (31.1 to 67.0)	2,164,245 (1,425,531 to 3,073,148)
Antigua and Barbuda	0 (0 to 0)	0.2 (0.1 to 0.4)	161.7 (85.7 to 283.4)	747 (396 to 1,310)	0 (0 to 0)	0.1 (0.0 to 0.1)	45.1 (29.6 to 64.2)	4,065 (2,665 to 5,784)
The Bahamas	0 (0 to 0)	0.1 (0.0 to 0.3)	138.5 (72.0 to 241.8)	4,424 (2,300 to 7,722)	0 (0 to 0)	0.0 (0.0 to 0.1)	45.9 (29.9 to 66.0)	18,143 (11,825 to 26,094)
Barbados	0 (0 to 0)	0.1 (0.0 to 0.2)	133.1 (69.7 to 238.1)	2,087 (1,094 to 3,736)	0 (0 to 0)	0.1 (0.0 to 0.1)	48.5 (31.8 to 69.3)	13,743 (9,014 to 19,648)
Belize	0 (0 to 0)	0.3 (0.1 to 0.8)	139.6 (77.2 to 240.2)	5,768 (3,190 to 9,921)	0 (0 to 1)	0.1 (0.1 to 0.2)	50.0 (32.1 to 73.0)	18,396 (11,810 to 26,844)
Bermuda	0 (0 to 0)	0.0 (0.0 to 0.1)	149.0 (75.2 to 268.5)	660 (333 to 1,189)	0 (0 to 0)	0.0 (0.0 to 0.0)	48.8 (31.8 to 69.9)	3,431 (2,241 to 4,923)
Cuba	0 (0 to 1)	0.1 (0.0 to 0.1)	90.1 (47.3 to 161.2)	55,599 (29,178 to 99,455)	12 (7 to 18)	0.1 (0.1 to 0.2)	34.8 (22.8 to 49.0)	397,204 (260,654 to 560,167)
Dominica	0 (0 to 0)	0.2 (0.1 to 0.5)	131.2 (69.4 to 232.7)	709 (375 to 1,258)	0 (0 to 0)	0.1 (0.0 to 0.1)	46.7 (30.6 to 67.1)	3,476 (2,274 to 4,993)
Dominican Republic	8 (3 to 14)	0.8 (0.4 to 1.5)	154.8 (82.6 to 269.9)	157,582 (84,084 to 274,664)	20 (10 to 36)	0.2 (0.1 to 0.3)	51.4 (33.2 to 74.0)	545,659 (352,591 to 785,052)
Grenada	0 (0 to 0)	0.2 (0.1 to 0.3)	132.1 (67.4 to 235.1)	1,576 (804 to 2,805)	0 (0 to 0)	0.1 (0.0 to 0.1)	68.6 (44.5 to 99.0)	7,506 (4,863 to 10,830)
Guyana	1 (0 to 1)	1.0 (0.4 to 1.8)	99.0 (54.4 to 168.6)	7,070 (3,883 to 12,037)	2 (1 to 3)	0.3 (0.2 to 0.4)	39.1 (25.6 to 55.9)	30,087 (19,710 to 43,085)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths <sup>2</sup>	Deaths per 100,000 <sup>3</sup>	Incidence per 1000 <sup>4</sup>	Cases <sup>5</sup>
Haiti	93 (40 to 184)	6.1 (2.6 to 12.1)	197.5 (111.2 to 330.6)	298,625 (168,171 to 499,847)	167 (84 to 299)	1.5 (0.8 to 2.7)	70.7 (45.6 to 102.1)	786,329 (507,916 to 1,136,057)
Jamaica	1 (0 to 2)	0.3 (0.1 to 0.6)	84.2 (45.4 to 144.3)	22,540 (12,138 to 38,623)	3 (1 to 7)	0.1 (0.0 to 0.2)	30.4 (20.0 to 43.3)	87,062 (57,456 to 124,306)
Puerto Rico	0 (0 to 0)	0.1 (0.0 to 0.1)	108.9 (56.7 to 195.2)	26,170 (13,628 to 46,926)	3 (2 to 5)	0.1 (0.1 to 0.1)	42.6 (28.1 to 60.2)	157,829 (104,003 to 223,048)
Saint Lucia	0 (0 to 0)	0.2 (0.1 to 0.4)	190.4 (101.9 to 330.1)	1,906 (1,020 to 3,304)	0 (0 to 0)	0.1 (0.0 to 0.1)	72.9 (47.8 to 103.3)	13,310 (8,736 to 18,862)
Saint Vincent and the Grenadines	0 (0 to 0)	0.3 (0.1 to 0.7)	114.7 (61.6 to 200.5)	1,093 (586 to 1,910)	0 (0 to 0)	0.1 (0.1 to 0.2)	45.2 (29.9 to 64.9)	5,014 (3,316 to 7,199)
Suriname	1 (0 to 1)	1.2 (0.5 to 2.5)	121.0 (65.3 to 211.1)	6,384 (3,446 to 11,139)	2 (1 to 3)	0.3 (0.1 to 0.5)	47.4 (31.0 to 67.9)	26,186 (17,118 to 37,489)
Trinidad and Tobago	0 (0 to 0)	0.2 (0.1 to 0.5)	71.0 (37.8 to 126.8)	6,305 (3,354 to 11,262)	1 (1 to 2)	0.1 (0.0 to 0.1)	28.3 (18.7 to 40.7)	38,406 (25,463 to 55,273)
Virgin Islands, U.S.	0 (0 to 0)	0.0 (0.0 to 0.1)	142.3 (73.2 to 258.7)	778 (400 to 1,413)	0 (0 to 0)	0.1 (0.0 to 0.1)	49.8 (32.7 to 71.3)	5,216 (3,426 to 7,474)
Tropical Latin America	51 (24 to 89)	0.3 (0.2 to 0.6)	273.6 (149.7 to 453.2)	3,901,845 (2,134,792 to 6,462,186)	206 (120 to 306)	0.1 (0.1 to 0.1)	51.4 (33.3 to 74.2)	11,042,389 (7,153,152 to 15,919,339)
Brazil	49 (23 to 86)	0.3 (0.1 to 0.6)	267.5 (147.1 to 442.7)	3,730,923 (2,051,899 to 6,174,146)	198 (116 to 296)	0.1 (0.1 to 0.1)	50.4 (32.7 to 72.7)	10,498,085 (6,818,983 to 15,141,635)
Paraguay	2 (1 to 4)	0.4 (0.1 to 0.7)	546.5 (288.0 to 899.7)	170,934 (90,078 to 281,405)	7 (4 to 13)	0.1 (0.1 to 0.2)	85.4 (54.1 to 125.0)	543,930 (344,586 to 796,053)
Southeast Asia, East Asia, and Oceania	430 (181 to 805)	0.3 (0.1 to 0.7)	41.0 (18.5 to 80.8)	5,169,128 (2,329,592 to 10,200,694)	1,828 (896 to 3,120)	0.1 (0.0 to 0.1)	10.5 (6.4 to 16.1)	21,839,768 (13,255,008 to 33,500,640)
East Asia	1 (0 to 1)	0.0 (0.0 to 0.0)	0.3 (0.2 to 0.4)	17,775 (11,027 to 27,005)	3 (2 to 5)	0.0 (0.0 to 0.0)	0.1 (0.1 to 0.1)	151,553 (102,926 to 200,656)
China	1 (0 to 1)	0.0 (0.0 to 0.0)	0.2 (0.1 to 0.4)	14,630 (9,066 to 22,594)	3 (2 to 5)	0.0 (0.0 to 0.0)	0.1 (0.1 to 0.1)	135,183 (91,355 to 179,530)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths <sup>2</sup>	Deaths per 100,000 <sup>3</sup>	Incidence per 1000 <sup>4</sup>	Cases <sup>5</sup>
North Korea	0 (0 to 0)	0.0 (0.0 to 0.0)	0.8 (0.5 to 1.1)	2,593 (1,653 to 3,695)	0 (0 to 1)	0.0 (0.0 to 0.0)	0.4 (0.3 to 0.5)	10,766 (7,372 to 14,152)
Taiwan	0 (0 to 0)	0.0 (0.0 to 0.0)	0.5 (0.3 to 0.8)	555 (338 to 823)	0 (0 to 0)	0.0 (0.0 to 0.0)	0.2 (0.2 to 0.3)	5,615 (3,791 to 7,386)
Southeast Asia	390 (158 to 747)	0.7 (0.3 to 1.3)	82.0 (35.6 to 163.5)	4,820,721 (2,091,257 to 9,610,935)	1,632 (777 to 2,839)	0.2 (0.1 to 0.4)	30.8 (18.6 to 47.7)	20,197,076 (12,235,267 to 31,296,874)
Cambodia	16 (7 to 32)	0.9 (0.4 to 1.7)	187.4 (100.0 to 311.3)	343,475 (183,293 to 570,503)	83 (42 to 145)	0.5 (0.3 to 0.9)	76.1 (49.6 to 108.7)	1,209,875 (787,772 to 1,727,174)
Indonesia	62 (11 to 143)	0.3 (0.1 to 0.6)	37.5 (15.0 to 77.9)	901,187 (361,635 to 1,872,153)	403 (101 to 900)	0.2 (0.0 to 0.3)	13.0 (6.7 to 21.4)	3,379,119 (1,729,880 to 5,559,701)
Laos	84 (31 to 185)	7.4 (2.8 to 16.3)	321.0 (162.6 to 558.2)	346,531 (175,558 to 602,525)	127 (62 to 241)	1.8 (0.9 to 3.3)	125.3 (79.6 to 187.7)	897,311 (569,958 to 1,343,999)
Malaysia	3 (1 to 5)	0.1 (0.0 to 0.2)	124.1 (39.2 to 282.6)	322,905 (102,109 to 735,512)	25 (11 to 48)	0.1 (0.0 to 0.2)	51.8 (27.1 to 89.4)	1,593,486 (832,863 to 2,753,963)
Maldives	0 (0 to 0)	0.1 (0.0 to 0.2)	78.7 (26.6 to 172.3)	2,899 (979 to 6,349)	0 (0 to 0)	0.0 (0.0 to 0.1)	37.2 (19.6 to 62.7)	13,702 (7,235 to 23,107)
Mauritius	0 (0 to 0)	0.3 (0.1 to 0.6)	105.3 (36.5 to 233.6)	6,983 (2,418 to 15,491)	1 (1 to 2)	0.1 (0.1 to 0.2)	45.1 (24.3 to 76.6)	57,478 (30,947 to 97,595)
Myanmar	61 (19 to 137)	1.3 (0.4 to 2.9)	100.6 (34.3 to 214.6)	628,952 (214,604 to 1,342,034)	365 (158 to 695)	0.7 (0.3 to 1.3)	52.0 (28.4 to 86.4)	2,916,386 (1,596,251 to 4,850,291)
Philippines	148 (48 to 310)	1.3 (0.4 to 2.7)	116.2 (40.6 to 244.9)	1,344,610 (469,726 to 2,832,656)	362 (184 to 604)	0.4 (0.2 to 0.6)	42.9 (22.7 to 73.6)	4,391,040 (2,321,949 to 7,539,892)
Sri Lanka	1 (0 to 2)	0.1 (0.0 to 0.2)	114.3 (38.6 to 252.5)	159,150 (53,815 to 351,635)	28 (10 to 61)	0.1 (0.0 to 0.3)	42.1 (23.2 to 69.5)	866,474 (477,930 to 1,430,876)
Seychelles	0 (0 to 0)	0.1 (0.0 to 0.2)	116.3 (38.7 to 256.7)	977 (325 to 2,156)	0 (0 to 0)	0.1 (0.0 to 0.2)	45.6 (24.9 to 75.9)	4,426 (2,420 to 7,369)
Thailand	2 (1 to 5)	0.1 (0.0 to 0.2)	85.1 (45.1 to 152.8)	212,912 (112,745 to 382,110)	156 (71 to 318)	0.2 (0.1 to 0.5)	31.4 (20.3 to 44.5)	2,099,689 (1,357,975 to 2,979,165)



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Timor-Leste	10 (3 to 23)	6.0 (1.9 to 13.8)	220.3 (76.6 to 474.7)	36,219 (12,591 to 78,049)	14 (5 to 28)	1.2 (0.4 to 2.4)	86.8 (44.5 to 153.6)	100,538 (51,554 to 177,860)
Vietnam	3 (1 to 6)	0.0 (0.0 to 0.1)	71.5 (34.0 to 133.1)	511,582 (243,307 to 952,179)	69 (23 to 154)	0.1 (0.0 to 0.2)	28.3 (17.7 to 42.1)	2,654,356 (1,660,758 to 3,949,033)
Oceania	39 (17 to 78)	2.8 (1.2 to 5.5)	243.2 (135.9 to 412.8)	335,773 (187,598 to 569,904)	193 (100 to 325)	1.7 (0.9 to 2.9)	131.1 (85.8 to 185.6)	1,464,861 (959,231 to 2,073,550)
American Samoa	0 (0 to 0)	0.2 (0.1 to 0.3)	194.2 (105.2 to 337.0)	1,451 (787 to 2,519)	0 (0 to 0)	0.1 (0.1 to 0.2)	117.6 (76.1 to 171.2)	9,492 (6,139 to 13,815)
Federated States of Micronesia	0 (0 to 0)	0.3 (0.1 to 0.7)	162.8 (88.9 to 280.9)	1,609 (879 to 2,776)	0 (0 to 1)	0.3 (0.2 to 0.7)	107.8 (69.6 to 155.9)	11,121 (7,179 to 16,086)
Fiji	1 (1 to 3)	2.6 (1.1 to 5.2)	195.7 (109.1 to 335.5)	10,660 (5,942 to 18,272)	6 (3 to 10)	0.7 (0.4 to 1.2)	96.9 (63.7 to 136.0)	83,828 (55,111 to 117,681)
Guam	0 (0 to 0)	0.1 (0.0 to 0.1)	202.4 (108.6 to 356.2)	3,536 (1,898 to 6,224)	0 (0 to 0)	0.1 (0.0 to 0.1)	119.6 (78.6 to 166.7)	20,957 (13,768 to 29,193)
Kiribati	1 (0 to 1)	4.9 (1.9 to 10.7)	247.3 (136.1 to 428.2)	3,361 (1,849 to 5,820)	3 (1 to 5)	2.4 (1.1 to 4.3)	128.0 (84.7 to 181.0)	14,528 (9,615 to 20,540)
Marshall Islands	0 (0 to 0)	0.5 (0.2 to 1.1)	186.6 (102.7 to 317.5)	1,834 (1,009 to 3,120)	0 (0 to 0)	0.2 (0.1 to 0.4)	111.3 (72.6 to 159.1)	8,263 (5,394 to 11,815)
Northern Mariana Islands	0 (0 to 0)	0.0 (0.0 to 0.1)	275.1 (145.1 to 503.7)	4,262 (2,248 to 7,805)	0 (0 to 0)	0.0 (0.0 to 0.1)	124.9 (81.4 to 177.4)	15,882 (10,347 to 22,553)
Papua New Guinea	34 (13 to 71)	3.2 (1.2 to 6.6)	258.2 (142.3 to 438.6)	268,996 (148,204 to 456,908)	173 (87 to 293)	2.2 (1.1 to 3.7)	145.0 (94.4 to 206.1)	1,133,144 (737,724 to 1,610,702)
Samoa	0 (0 to 0)	0.1 (0.0 to 0.3)	208.0 (112.4 to 365.6)	5,745 (3,104 to 10,099)	0 (0 to 1)	0.2 (0.1 to 0.5)	127.5 (82.9 to 182.6)	25,337 (16,479 to 36,281)
Solomon Islands	2 (1 to 4)	2.3 (1.0 to 4.4)	255.1 (140.4 to 430.1)	20,912 (11,512 to 35,262)	6 (3 to 12)	1.1 (0.5 to 1.9)	141.7 (93.3 to 201.8)	84,314 (55,540 to 120,123)

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Tonga	0 (0 to 0)	0.4 (0.2 to 0.9)	191.9 (106.9 to 326.7)	2,627 (1,464 to 4,472)	0 (0 to 1)	0.3 (0.2 to 0.6)	125.3 (81.8 to 180.6)	13,528 (8,832 to 19,492)
Vanuatu	1 (0 to 2)	1.9 (0.7 to 3.8)	266.9 (148.5 to 448.1)	10,779 (5,997 to 18,095)	3 (2 to 6)	1.1 (0.6 to 2.1)	151.7 (100.7 to 214.8)	41,938 (27,842 to 59,370)
North Africa and Middle East	2,076 (1,063 to 3,532)	3.3 (1.7 to 5.6)	266.0 (132.6 to 479.9)	16,894,231 (8,422,229 to 30,482,176)	2,815 (1,578 to 4,584)	0.5 (0.3 to 0.8)	71.2 (43.2 to 110.4)	40,936,712 (24,862,627 to 63,496,927)
North Africa and Middle East	2,076 (1,063 to 3,532)	3.3 (1.7 to 5.6)	266.0 (132.6 to 479.9)	16,894,231 (8,422,229 to 30,482,176)	2,815 (1,578 to 4,584)	0.5 (0.3 to 0.8)	71.2 (43.2 to 110.4)	40,936,712 (24,862,627 to 63,496,927)
Afghanistan	281 (100 to 639)	5.7 (2.0 to 12.9)	354.4 (136.0 to 755.8)	1,680,416 (644,767 to 3,583,935)	317 (125 to 671)	0.9 (0.4 to 2.0)	105.3 (53.1 to 190.0)	3,495,984 (1,763,786 to 6,304,186)
Algeria	14 (4 to 33)	0.3 (0.1 to 0.7)	153.2 (59.5 to 312.1)	779,442 (303,010 to 1,588,337)	44 (21 to 83)	0.1 (0.1 to 0.2)	50.0 (27.3 to 84.5)	2,040,860 (1,115,067 to 3,450,675)
Bahrain	0 (0 to 0)	0.1 (0.0 to 0.1)	180.7 (65.8 to 412.7)	17,424 (6,347 to 39,801)	1 (0 to 1)	0.0 (0.0 to 0.1)	42.1 (22.7 to 71.6)	58,370 (31,396 to 99,203)
Egypt	733 (334 to 1,373)	6.7 (3.1 to 12.6)	290.4 (170.9 to 453.9)	3,472,604 (2,043,908 to 5,427,409)	870 (441 to 1,546)	0.9 (0.5 to 1.7)	84.6 (56.2 to 120.6)	7,845,487 (5,210,393 to 11,183,060)
Iran	14 (4 to 33)	0.2 (0.1 to 0.4)	170.2 (90.4 to 302.0)	1,207,186 (641,482 to 2,141,583)	48 (24 to 89)	0.1 (0.0 to 0.1)	41.9 (26.6 to 62.2)	3,368,922 (2,139,297 to 4,994,494)
Iraq	104 (32 to 234)	1.3 (0.4 to 3.0)	236.8 (88.3 to 496.5)	1,753,217 (653,556 to 3,676,760)	150 (67 to 285)	0.4 (0.2 to 0.7)	78.9 (39.1 to 141.1)	3,085,377 (1,528,622 to 5,517,535)
Jordan	2 (1 to 3)	0.2 (0.1 to 0.3)	167.4 (63.1 to 357.6)	160,676 (60,524 to 343,188)	3 (2 to 6)	0.0 (0.0 to 0.1)	49.9 (26.0 to 88.5)	385,312 (200,850 to 683,257)
Kuwait	0 (0 to 0)	0.0 (0.0 to 0.1)	36.7 (10.0 to 83.7)	24,433 (6,659 to 55,709)	0 (0 to 0)	0.0 (0.0 to 0.0)	17.6 (8.6 to 30.7)	75,909 (37,232 to 132,531)
Lebanon	1 (0 to 2)	0.2 (0.1 to 0.5)	234.0 (89.4 to 495.6)	70,528 (26,963 to 149,404)	4 (2 to 10)	0.1 (0.0 to 0.2)	50.8 (28.2 to 84.0)	295,317 (163,799 to 487,877)
Libya	0 (0 to 0)	0.0 (0.0 to 0.1)	35.4 (3.8 to 87.6)	17,412 (1,867 to 43,074)	0 (0 to 1)	0.0 (0.0 to 0.0)	9.2 (2.5 to 19.1)	56,800 (15,719 to 118,205)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths <sup>2</sup>	Deaths per 100,000 <sup>3</sup>	Incidence per 1000 <sup>4</sup>	Cases <sup>5</sup>
Morocco	60 (20 to 126)	2.6 (0.9 to 5.5)	217.7 (82.9 to 472.5)	488,618 (186,071 to 1,060,445)	91 (41 to 172)	0.3 (0.1 to 0.5)	47.6 (26.0 to 79.8)	1,599,065 (875,261 to 2,683,778)
Palestine	2 (1 to 5)	0.2 (0.1 to 0.4)	216.2 (79.6 to 463.2)	231,311 (85,091 to 495,438)	4 (2 to 7)	0.1 (0.0 to 0.1)	78.3 (38.3 to 140.6)	403,208 (197,242 to 723,728)
Oman	0 (0 to 0)	0.1 (0.0 to 0.1)	207.7 (75.5 to 460.8)	89,415 (32,516 to 198,371)	1 (1 to 2)	0.0 (0.0 to 0.0)	53.5 (28.3 to 91.6)	250,423 (132,445 to 429,104)
Qatar	0 (0 to 0)	0.1 (0.0 to 0.2)	108.5 (40.7 to 242.4)	13,747 (5,159 to 30,717)	0 (0 to 0)	0.0 (0.0 to 0.0)	22.1 (12.1 to 37.0)	50,348 (27,603 to 84,442)
Saudi Arabia	3 (1 to 5)	0.1 (0.1 to 0.2)	143.4 (71.0 to 264.4)	365,616 (181,132 to 674,130)	18 (9 to 31)	0.1 (0.0 to 0.1)	44.1 (28.2 to 65.9)	1,392,819 (889,405 to 2,079,769)
Sudan	456 (155 to 1,014)	10.9 (3.7 to 24.2)	712.3 (377.9 to 1,234.5)	2,629,607 (1,395,303 to 4,557,559)	764 (345 to 1,420)	1.9 (0.9 to 3.6)	177.3 (112.1 to 261.3)	6,885,430 (4,354,438 to 10,145,311)
Syria	2 (1 to 5)	0.1 (0.0 to 0.3)	152.9 (56.5 to 343.3)	296,936 (109,729 to 666,783)	4 (2 to 8)	0.0 (0.0 to 0.0)	49.8 (25.5 to 89.4)	916,501 (468,384 to 1,644,147)
Tunisia	2 (1 to 4)	0.2 (0.1 to 0.5)	250.3 (136.3 to 430.8)	232,256 (126,451 to 399,807)	23 (10 to 56)	0.2 (0.1 to 0.5)	77.6 (52.2 to 108.6)	877,236 (590,078 to 1,227,414)
Turkey	14 (5 to 31)	0.2 (0.1 to 0.5)	193.3 (71.6 to 425.1)	1,204,860 (446,548 to 2,649,773)	41 (19 to 78)	0.1 (0.0 to 0.1)	50.4 (27.4 to 85.2)	4,004,786 (2,171,585 to 6,767,110)
United Arab Emirates	0 (0 to 1)	0.0 (0.0 to 0.1)	178.8 (65.0 to 401.9)	166,439 (60,531 to 374,225)	2 (1 to 5)	0.0 (0.0 to 0.0)	43.0 (23.4 to 73.2)	417,310 (227,271 to 710,412)
Yemen	387 (117 to 854)	8.4 (2.5 to 18.5)	433.4 (165.7 to 904.1)	1,957,814 (748,680 to 4,084,166)	430 (155 to 919)	1.5 (0.6 to 3.3)	118.8 (58.7 to 211.4)	3,329,602 (1,645,266 to 5,926,835)
South Asia	4,482 (2,318 to 7,382)	2.9 (1.5 to 4.8)	99.8 (58.7 to 161.4)	15,952,557 (9,373,596 to 25,785,888)	22,942 (10,613 to 42,231)	1.3 (0.6 to 2.5)	40.6 (27.1 to 57.1)	69,281,143 (46,178,724 to 97,325,901)
South Asia	4,482 (2,318 to 7,382)	2.9 (1.5 to 4.8)	99.8 (58.7 to 161.4)	15,952,557 (9,373,596 to 25,785,888)	22,942 (10,613 to 42,231)	1.3 (0.6 to 2.5)	40.6 (27.1 to 57.1)	69,281,143 (46,178,724 to 97,325,901)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths <sup>2</sup>	Deaths per 100,000 <sup>3</sup>	Incidence per 1000 <sup>4</sup>	Cases <sup>5</sup>
Bangladesh	131 (61 to 233)	0.9 (0.4 to 1.6)	90.3 (52.7 to 149.1)	1,347,289 (786,532 to 2,224,726)	1,052 (494 to 2,167)	0.7 (0.3 to 1.3)	39.8 (26.6 to 55.5)	6,465,361 (4,319,184 to 9,019,507)
Bhutan	1 (0 to 1)	0.8 (0.3 to 1.8)	345.3 (163.8 to 604.5)	26,114 (12,391 to 45,717)	3 (1 to 7)	0.4 (0.1 to 0.9)	132.4 (84.0 to 196.2)	105,309 (66,798 to 156,086)
India	1,895 (921 to 3,211)	1.7 (0.8 to 2.9)	57.9 (31.4 to 100.7)	6,728,430 (3,650,323 to 11,700,779)	17,506 (7,353 to 32,253)	1.3 (0.6 to 2.5)	31.5 (20.6 to 45.2)	41,599,405 (27,245,555 to 59,623,971)
Nepal	25 (8 to 55)	0.6 (0.2 to 1.4)	104.6 (53.0 to 177.7)	440,377 (223,177 to 747,790)	172 (57 to 358)	0.6 (0.2 to 1.2)	39.0 (23.8 to 58.3)	1,180,185 (720,419 to 1,767,715)
Pakistan	2,430 (1,255 to 4,114)	10.5 (5.4 to 17.8)	307.7 (184.7 to 480.9)	7,521,272 (4,514,107 to 11,754,001)	4,208 (2,294 to 7,270)	2.2 (1.2 to 3.8)	102.3 (70.1 to 139.6)	19,673,378 (13,478,312 to 26,851,286)
Sub-Saharan Africa	11,244 (5,266 to 19,427)	7.2 (3.4 to 12.4)	153.2 (78.0 to 274.1)	24,205,390 (12,328,386 to 43,295,519)	22,261 (12,092 to 35,882)	2.3 (1.2 to 3.7)	52.8 (33.0 to 80.5)	51,845,859 (32,391,550 to 79,012,688)
Southern Sub-Saharan Africa	212 (80 to 387)	2.5 (0.9 to 4.5)	71.3 (36.6 to 123.1)	645,778 (331,917 to 1,116,070)	379 (142 to 666)	0.5 (0.2 to 0.9)	24.0 (14.0 to 37.0)	1,857,703 (1,081,496 to 2,868,515)
Botswana	4 (1 to 9)	1.5 (0.5 to 3.2)	51.4 (23.7 to 97.5)	13,973 (6,439 to 26,534)	9 (3 to 17)	0.4 (0.1 to 0.7)	15.5 (8.6 to 24.7)	35,750 (19,789 to 56,839)
Lesotho	18 (6 to 35)	7.1 (2.5 to 13.6)	81.8 (39.3 to 146.6)	20,646 (9,932 to 37,020)	32 (11 to 60)	1.5 (0.5 to 2.8)	23.8 (13.1 to 37.9)	50,712 (27,962 to 80,691)
Namibia	12 (4 to 23)	3.6 (1.1 to 7.0)	78.9 (36.4 to 144.8)	26,876 (12,395 to 49,337)	17 (6 to 32)	0.7 (0.2 to 1.3)	22.2 (12.3 to 35.6)	55,617 (30,931 to 89,194)
South Africa	54 (20 to 105)	1.1 (0.4 to 2.1)	70.2 (35.5 to 122.3)	379,195 (191,916 to 661,071)	160 (54 to 299)	0.3 (0.1 to 0.6)	24.8 (14.6 to 38.2)	1,319,759 (775,717 to 2,029,738)
Swaziland	11 (4 to 21)	5.1 (1.7 to 10.0)	75.1 (35.4 to 141.6)	15,355 (7,234 to 28,956)	14 (5 to 28)	1.1 (0.4 to 2.1)	23.9 (13.2 to 38.6)	31,886 (17,665 to 51,541)
Zimbabwe	112 (42 to 213)	4.4 (1.6 to 8.4)	73.3 (35.5 to 129.6)	189,702 (91,899 to 335,588)	148 (55 to 268)	0.9 (0.3 to 1.7)	22.6 (12.7 to 35.9)	362,485 (203,182 to 575,451)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths <sup>2</sup>	Deaths per 100,000 <sup>3</sup>	Incidence per 1000 <sup>4</sup>	Cases <sup>5</sup>
Western Sub-Saharan Africa	5,197 (2,032 to 9,574)	8.0 (3.1 to 14.8)	106.4 (47.5 to 198.0)	6,950,968 (3,099,062 to 12,929,044)	6,487 (2,746 to 11,454)	1.6 (0.7 to 2.9)	29.0 (15.7 to 48.6)	11,577,006 (6,265,456 to 19,407,424)
Benin	183 (50 to 406)	9.6 (2.6 to 21.3)	98.5 (33.5 to 221.3)	192,367 (65,357 to 432,232)	232 (75 to 473)	2.0 (0.7 to 4.2)	29.7 (14.0 to 54.5)	338,188 (159,131 to 620,915)
Burkina Faso	63 (6 to 161)	2.0 (0.2 to 5.0)	56.6 (13.9 to 125.7)	182,149 (44,901 to 404,511)	85 (11 to 203)	0.5 (0.1 to 1.1)	14.8 (4.6 to 30.2)	276,119 (86,720 to 563,787)
Cameroon	159 (40 to 361)	4.1 (1.0 to 9.3)	132.1 (43.1 to 296.8)	519,571 (169,620 to 1,167,097)	249 (82 to 503)	1.0 (0.3 to 2.1)	35.7 (16.3 to 66.8)	857,817 (392,243 to 1,607,965)
Cape Verde	0 (0 to 1)	0.4 (0.1 to 0.8)	72.3 (23.0 to 168.5)	5,377 (1,712 to 12,524)	1 (0 to 1)	0.1 (0.0 to 0.3)	22.3 (10.7 to 40.4)	12,200 (5,854 to 22,134)
Chad	437 (117 to 967)	16.5 (4.4 to 36.6)	194.5 (64.0 to 421.0)	501,419 (164,973 to 1,085,439)	517 (171 to 1,078)	3.6 (1.2 to 7.5)	52.7 (23.5 to 98.9)	757,120 (338,346 to 1,420,917)
Cote d'Ivoire	314 (83 to 688)	8.8 (2.3 to 19.3)	139.7 (46.8 to 311.9)	488,608 (163,742 to 1,090,711)	383 (126 to 776)	1.7 (0.5 to 3.4)	35.3 (16.3 to 64.9)	811,090 (375,258 to 1,492,245)
The Gambia	36 (20 to 62)	9.9 (5.3 to 16.8)	296.8 (170.8 to 482.9)	108,988 (62,730 to 177,296)	53 (30 to 86)	2.6 (1.5 to 4.2)	94.3 (62.1 to 135.3)	192,865 (127,111 to 276,716)
Ghana	24 (4 to 56)	0.6 (0.1 to 1.3)	51.1 (15.8 to 106.7)	236,078 (72,708 to 492,684)	43 (9 to 97)	0.2 (0.0 to 0.3)	14.0 (5.8 to 25.3)	400,007 (164,594 to 720,976)
Guinea	85 (23 to 204)	4.2 (1.1 to 10.0)	134.1 (44.0 to 295.8)	268,317 (88,154 to 592,087)	135 (46 to 277)	1.0 (0.4 to 2.2)	36.2 (16.9 to 66.0)	465,293 (217,527 to 848,638)
Guinea-Bissau	32 (16 to 57)	10.4 (5.1 to 18.4)	200.2 (104.7 to 355.8)	61,171 (31,987 to 108,707)	56 (30 to 96)	2.9 (1.6 to 5.0)	63.4 (40.6 to 94.6)	120,467 (77,127 to 179,732)
Liberia	68 (18 to 147)	9.6 (2.6 to 20.7)	163.4 (54.1 to 361.7)	116,028 (38,373 to 256,759)	94 (33 to 180)	2.0 (0.7 to 3.9)	43.6 (20.2 to 79.4)	201,221 (93,018 to 366,273)
Mali	446 (209 to 818)	14.2 (6.6 to 26.0)	142.0 (79.2 to 240.5)	437,424 (244,033 to 740,952)	596 (301 to 1,026)	3.3 (1.7 to 5.7)	43.4 (27.5 to 66.2)	776,976 (491,135 to 1,183,344)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths <sup>2</sup>	Deaths per 100,000 <sup>3</sup>	Incidence per 1000 <sup>4</sup>	Cases <sup>5</sup>
Mauritania	19 (5 to 45)	3.8 (1.0 to 8.8)	127.0 (43.0 to 275.4)	63,367 (21,440 to 137,473)	34 (11 to 69)	0.8 (0.3 to 1.7)	31.4 (15.1 to 56.2)	127,449 (61,096 to 227,946)
Niger	467 (111 to 1,053)	12.7 (3.0 to 28.6)	133.4 (45.3 to 299.7)	494,787 (168,161 to 1,111,473)	582 (181 to 1,201)	2.9 (0.9 to 6.0)	41.4 (19.3 to 76.4)	832,417 (387,605 to 1,536,026)
Nigeria	2,705 (1,063 to 5,077)	9.2 (3.6 to 17.2)	100.0 (50.0 to 179.4)	3,002,476 (1,500,643 to 5,386,642)	3,200 (1,315 to 5,801)	1.7 (0.7 to 3.1)	26.5 (14.8 to 42.3)	4,911,071 (2,743,968 to 7,832,774)
Sao Tome and Principe	1 (0 to 1)	1.7 (0.4 to 4.0)	114.4 (37.4 to 255.3)	3,955 (1,294 to 8,823)	1 (0 to 2)	0.4 (0.1 to 0.8)	32.7 (15.0 to 61.1)	6,509 (2,976 to 12,151)
Senegal	3 (1 to 18)	0.1 (0.0 to 0.7)	7.6 (0.9 to 36.2)	19,585 (2,348 to 92,737)	5 (2 to 21)	0.0 (0.0 to 0.1)	1.7 (0.4 to 6.4)	25,797 (6,014 to 99,610)
Sierra Leone	120 (35 to 259)	11.5 (3.4 to 24.9)	116.9 (39.2 to 264.9)	121,684 (40,827 to 275,652)	159 (56 to 327)	2.4 (0.8 to 4.9)	33.2 (15.5 to 60.9)	219,943 (102,502 to 403,555)
Togo	32 (8 to 71)	2.9 (0.8 to 6.5)	117.3 (39.3 to 259.4)	128,156 (42,980 to 283,439)	62 (22 to 122)	0.8 (0.3 to 1.6)	32.5 (15.3 to 58.8)	240,864 (113,290 to 435,584)
Eastern Sub-Saharan Africa	5,485 (2,889 to 8,941)	8.8 (4.6 to 14.3)	243.1 (126.8 to 426.8)	15,163,112 (7,912,373 to 26,621,991)	14,832 (8,531 to 23,472)	3.8 (2.2 to 6.1)	93.4 (60.1 to 137.6)	36,127,390 (23,237,093 to 53,252,943)
Burundi	585 (258 to 1,084)	27.3 (12.1 to 50.6)	320.4 (161.3 to 573.5)	677,712 (341,300 to 1,213,237)	912 (491 to 1,517)	7.9 (4.2 to 13.1)	114.7 (71.4 to 175.2)	1,323,831 (824,032 to 2,022,778)
Comoros	5 (2 to 10)	5.4 (2.2 to 11.2)	252.3 (123.7 to 465.3)	24,523 (12,022 to 45,229)	24 (12 to 45)	3.1 (1.5 to 5.7)	98.1 (62.7 to 146.5)	76,808 (49,118 to 114,698)
Djibouti	6 (2 to 14)	3.5 (1.3 to 7.9)	242.8 (114.9 to 475.1)	30,436 (14,401 to 59,554)	20 (10 to 38)	2.0 (1.0 to 3.9)	75.3 (47.6 to 115.9)	69,441 (43,911 to 106,863)
Eritrea	94 (40 to 188)	11.9 (5.0 to 23.6)	276.0 (132.6 to 528.8)	207,075 (99,486 to 396,786)	212 (116 to 375)	4.0 (2.2 to 7.0)	95.8 (60.1 to 146.3)	506,531 (317,838 to 773,643)
Ethiopia	1,105 (501 to 2,021)	7.2 (3.3 to 13.2)	255.5 (129.6 to 449.4)	3,775,174 (1,914,062 to 6,638,599)	3,506 (1,893 to 5,887)	3.4 (1.9 to 5.8)	93.3 (59.4 to 140.5)	9,496,981 (6,044,577 to 14,303,318)
Kenya	300 (163 to 511)	4.6 (2.5 to 7.8)	130.1 (72.4 to 220.3)	857,013 (477,135 to 1,451,204)	1,853 (961 to 3,295)	4.0 (2.1 to 7.1)	63.8 (42.7 to 89.7)	2,971,849 (1,990,863 to 4,179,743)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths <sup>2</sup>	Deaths per 100,000 <sup>3</sup>	Incidence per 1000 <sup>4</sup>	Cases <sup>5</sup>
Madagascar	919 (404 to 1,752)	23.6 (10.4 to 45.1)	305.8 (148.2 to 571.2)	1,181,302 (572,618 to 2,206,485)	1,505 (786 to 2,529)	6.0 (3.2 to 10.1)	98.7 (61.8 to 151.1)	2,460,127 (1,538,458 to 3,764,865)
Malawi	287 (129 to 520)	9.0 (4.0 to 16.3)	274.8 (133.0 to 516.6)	887,485 (429,675 to 1,668,567)	717 (395 to 1,154)	4.0 (2.2 to 6.4)	101.2 (62.2 to 156.3)	1,819,727 (1,118,633 to 2,809,615)
Mozambique	275 (138 to 501)	5.5 (2.8 to 10.1)	150.0 (85.9 to 251.4)	753,428 (431,332 to 1,262,312)	572 (301 to 965)	2.0 (1.0 to 3.4)	59.8 (39.8 to 86.3)	1,726,101 (1,148,258 to 2,489,165)
Rwanda	124 (58 to 228)	6.6 (3.1 to 12.2)	222.9 (117.7 to 382.8)	413,630 (218,315 to 710,276)	306 (156 to 526)	2.5 (1.3 to 4.4)	86.8 (57.5 to 126.3)	1,046,899 (692,995 to 1,523,577)
Somalia	149 (62 to 338)	11.3 (4.7 to 25.6)	297.1 (156.6 to 514.3)	351,360 (185,199 to 608,162)	434 (208 to 849)	4.2 (2.0 to 8.2)	97.9 (62.3 to 146.3)	1,003,487 (638,518 to 1,500,272)
South Sudan	257 (99 to 579)	9.0 (3.5 to 20.2)	335.5 (158.9 to 636.2)	1,000,097 (473,814 to 1,896,508)	670 (354 to 1,245)	4.9 (2.6 to 9.2)	149.8 (93.5 to 232.2)	2,052,763 (1,281,894 to 3,182,392)
Tanzania	624 (302 to 1,108)	6.9 (3.4 to 12.3)	224.9 (119.3 to 395.6)	2,111,746 (1,120,151 to 3,715,332)	2,431 (1,304 to 3,974)	4.5 (2.4 to 7.3)	100.6 (66.5 to 145.2)	5,523,606 (3,649,920 to 7,968,717)
Uganda	529 (249 to 945)	7.0 (3.3 to 12.6)	287.3 (136.3 to 550.3)	2,168,115 (1,028,891 to 4,153,536)	1,067 (577 to 1,726)	2.6 (1.4 to 4.3)	108.9 (66.5 to 170.1)	4,400,547 (2,686,746 to 6,874,082)
Zambia	226 (101 to 411)	7.9 (3.6 to 14.5)	260.0 (130.0 to 463.7)	733,988 (366,905 to 1,308,900)	602 (327 to 991)	3.6 (2.0 to 6.0)	98.9 (62.2 to 150.5)	1,644,164 (1,034,562 to 2,502,627)
Central Sub-Saharan Africa	351 (46 to 811)	1.7 (0.2 to 3.9)	64.5 (24.0 to 126.6)	1,370,060 (508,515 to 2,688,078)	562 (91 to 1,239)	0.5 (0.1 to 1.1)	19.4 (8.4 to 34.2)	2,299,091 (996,979 to 4,043,864)
Angola	87 (10 to 217)	1.8 (0.2 to 4.4)	62.7 (22.3 to 131.3)	313,855 (111,300 to 656,909)	125 (20 to 293)	0.5 (0.1 to 1.1)	20.1 (8.5 to 36.4)	522,340 (221,483 to 946,165)
Central African Republic	33 (5 to 79)	4.5 (0.7 to 10.6)	82.2 (29.9 to 159.9)	64,997 (23,633 to 126,460)	54 (10 to 123)	1.1 (0.2 to 2.4)	22.5 (9.9 to 38.7)	113,969 (50,363 to 196,275)
Congo	8 (1 to 19)	1.1 (0.2 to 2.6)	63.7 (23.6 to 125.6)	47,493 (17,591 to 93,593)	20 (3 to 47)	0.4 (0.1 to 1.0)	18.0 (8.0 to 31.6)	84,879 (37,550 to 149,006)

Location	Under-5				All ages			
	Deaths	Deaths per 100,000	Incidence per 1000	Cases	Deaths <sup>2</sup>	Deaths per 100,000 <sup>3</sup>	Incidence per 1000 <sup>4</sup>	Cases <sup>5</sup>
Democratic Republic of the Congo	221 (28 to 548)	1.6 (0.2 to 3.9)	64.4 (24.1 to 126.1)	923,717 (345,123 to 1,809,600)	359 (58 to 820)	0.5 (0.1 to 1.0)	19.3 (8.4 to 33.7)	1,537,336 (672,731 to 2,687,683)
Equatorial Guinea	0 (0 to 0)	0.1 (0.0 to 0.4)	63.1 (21.9 to 127.4)	6,191 (2,147 to 12,500)	1 (0 to 2)	0.1 (0.0 to 0.2)	16.3 (7.2 to 29.0)	13,669 (6,014 to 24,221)
Gabon	1 (0 to 3)	0.5 (0.1 to 1.2)	55.5 (20.0 to 109.0)	13,791 (4,968 to 27,071)	4 (1 to 9)	0.2 (0.0 to 0.5)	15.2 (6.8 to 26.3)	26,839 (11,969 to 46,485)



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