

Supplementary files

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Supplementary file 1. Unadjusted and adjusted analysis of sociodemographic, maternal health and behavioural risks for neonatal mortality of the 2015 SIDHS.

COVARIATE AND GROUP	NEONATAL MORTALITY			
	Number (%)		OR 95% CI	
	No (%)	Yes (%)	CRR	ARR
<i>Sociodemographic, behavioural, health characteristics, weighted population (n = 4334)</i>				
Marital status				
In union	3910(90.94)	30(93.10)	Reference	
Not in union	390(9.06)	2(6.90)	0.74 (0.16, 3.47)	
Religion¹				
Anglican	1302(30.27)	14(42.93)	3.12 (0.99, 9.89)	2.78 (0.89, 8.65)
Roman Catholic	954(22.19)	11(33.97)	3.36 (1.17, 9.70)	3.99 (1.34, 11.88)
Protestant & Pentecostal churches	1693(39.36)	6 (17.75)	Reference	Reference
Minor religion	351(8.17)	2(5.35)	1.45 (0.29, 7.36)	1.62 (0.34, 7.66)
Ethnicity				
Melanesian	4152(96.57)	30(94.69)	Reference	
Polynesian	87(2.02)	1(2.98)	1.51 (0.16, 13.93)	
Micronesian	56(1.31)	1(2.33)	1.81 (0.22, 15.09)	
Wealth quintile				
Poor (Quintiles 1-2)	1939(45.11)	17(52.63)	1.00 (0.41, 2.48)	0.85 (0.34, 2.16)
Middle (Quintile 3)	842(19.59)	2(6.37)	0.28 (0.06, 1.32)	0.22 (0.05, 0.94)
High (Quintiles 4-5)	1518(35.31)	13(41.01)	Reference	Reference
Place of residence				
Urban	755(17.55)	7(20.24)	Reference	
Rural	3545(82.45)	26(79.76)	0.84 (0.38, 1.87)	
Maternal age (years)				
≤20	1064(24.75)	6(17.71)	0.57 (0.07, 4.41)	0.37 (0.04, 3.18)
21-34	2227(51.80)	15(46.76)	Reference	Reference
35-49	1008(23.45)	11(35.52)	1.73 (0.82, 3.64)	1.54 (0.64, 3.71)
Maternal education				
Primary & lower	2481(57.70)	17(53.59)	0.84 (0.40, 1.80)	
Secondary & above	1814(42.20)	15(46.41)	Reference	
Household member				
1-5	1617(37.61)	16(49.41)	Reference	Reference
> 5	2683(62.39)	16(50.59)	0.61 (0.38, 0.97)	0.58 (0.28, 1.21)
Birth order				
1 st children	670(15.57)	5(16.56)	1.32 (0.48, 3.61)	
2 nd - 4 th children	2484(57.77)	15(46.52)	Reference	
5 th children and above	1146(26.66)	12(36.92)	1.71 (0.78, 3.75)	
Sex of child				
Male	2233(51.92)	15(47.45)	Reference	
Female	2067(48.08)	17(52.55)	1.20 (0.50, 2.85)	
Plurality				
Single	4227(98.26)	31(97.52)		
Multiple gestation	75(1.74)	1(2.48)	1.43 (0.35, 5.78)	
Breastfeeding				
Yes	4086(95.04)	11(34.16)	Reference	Reference
No	213(4.96)	21(65.84)	33.68 (13.92, 81.51)	34.80 (13.60, 89.03)
Tobacco/cigarette history				
Yes	728 (16.94)	4(11.05)	0.61 (0.18, 2.02)	
No	3563(82.87)	29(88.95)	Reference	
Alcohol use history				
Yes	247(5.76)	4(12.73)	2.35 (0.69, 7.98)	0.58 (0.28, 1.21)
No	4019(93.46)	28(87.27)	Reference	Reference
Kava use history				
Yes	8(1.89)	1(2.56)	1.36 (0.19, 9.98)	
No	4210(97.93)	31(97.44)	Reference	
Marijuana use history				
Yes	92(2.10)	1(2.56)	1.20 (0.16, 8.92)	
No	4200(97.70)	31(97.44)	Reference	
Betel nut use history				
Yes	3619(85.20)	76(90.55)	1.27 (0.40, 4.01)	
No	626(14.2)	8(9.45)	Reference	
<i>Health and reproductive characteristics, weighted population (n = 2706)</i>				
Antenatal care				
Yes	2323(87.11)	37 (91.64)	2.99 (0.39, 23.05)	
No	344(12.89)	3(8.36)	Reference	

Malaria infection				
Yes	200(7.45)	1(3.29)	0.48 (0.06, 3.74)	
No	1992(74.29)	16(68.28)	Reference	
Postnatal check				
Yes	1714(63.91)	2(9.91)	Reference	Reference
No	959(35.77)	19(84.45)	14.95 (3.12, 71.65)	11.36 (1.22, 106.16)
Place of delivery				
Health facility	1714(63.91)	2(9.91)	Reference	
Non health facility	959(35.77)	19(84.45)	0.46 (0.07, 2.89)	
Birth attendant				
High skilled	2063(76.92)	21(90.34)	Reference	
Low or no skilled	579(21.60)	2(9.66)	2.61 (0.65, 10.44)	
Birth weight (kilograms)				
<2.5 kilograms	230(8.59)	3(11.86)	2.86 (0.64, 12.78)	2.82 (0.61, 12.99)
≥2.5 kilograms	2050(76.42)	8(36.65)	Reference	Reference
Mode of delivery				
C-section	178(6.64)	4(18.30)	2.86 (0.81, 10.06)	1.06 (0.13, 8.83)
Normal vaginal delivery	2130(79.41)	17(75.32)	Reference	Reference
Tetanus vaccination				
Yes	2348(87.57)	18(76.76)	Reference	Reference
No	326(12.15)	5(23.24)	2.15 (0.77, 6.05)	1.79 (0.19, 16.53)

Footnotes: Population consists of all births (weighted n=4334) and last births (weighted n=2706) born between 2010 and 2015 of the Solomon Islands demographic health survey.

Adjusted analyses were made for all covariates with p-values less than 0.2

Frequencies (n) were rounded to the nearest whole number

Abbreviations: CRR; crude relative risk, ARR; adjusted relative risk.

Supplementary file 2. Unadjusted and adjusted analysis of sociodemographic, maternal health and behavioural risks for infant mortality of the 2015 SIDHS.

COVARIATE AND GROUP	INFANT MORTALITY			
	<i>Sociodemographic, behavioural, health characteristics, weighted population (n = 4334)</i>			
	Number (%)		RR 95% CI	
	No (%)	Yes (%)	CRR	ARR
Marital status				
In union	3881(90.92)	62(91.35)	Reference	
Not in union	388(9.08)	6(8.65)	0.95 (0.39, 2.33)	
Religion				
Anglican	1290(30.22)	25(37.74)	1.76 (0.80, 3.83)	1.71 (0.85, 3.45)
Roman Catholic	948(22.20)	19(28.40)	1.80 (0.88, 3.66)	1.74 (0.87, 3.48)
Protestant & Pentecostal churches			Reference	Reference
Minor religion ¹	349(8.17)	4(6.09)	1.06 (0.32, 3.44)	1.19 (0.41, 3.43)
Ethnicity				
Melanesian	4125(96.63)	62(91.75)	Reference	Reference
Polynesian	86(2.02)	2(2.55)	1.32 (0.24, 7.29)	1.32 (0.17, 10.28)
Micronesian	53(1.24)	4(5.71)	4.57 (1.75, 11.94)	5.54 (1.67, 18.35)
Household wealth				
Poor (Quintiles 1-2)	1921(45.00)	37(55.30)	1.13 (0.60, 2.14)	1.11 (0.54, 2.30)
Middle (Quintile 3)	841(19.70)	4(6.59)	0.31 (0.10, 0.96)	0.27 (0.09, 0.82)
High (Quintiles 4-5)	1507(35.30)	26(38.11)	Reference	Reference
Place of residence				
Urban	752(17.61)	10(15.30)	Reference	
Rural	3517(82.39)	57(84.70)	1.18 (0.64, 2.18)	
Maternal age (years)				
≤20	257(6.02)	3(3.68)	0.59 (0.17, 2.09)	
21-34	3006(70.42)	50(73.66)	Reference	
35-49	1006(23.57)	15(22.66)	0.92 (0.53, 1.60)	
Maternal education				
Primary & lower	2460(57.63)	40(60.06)	1.10 (0.62, 1.94)	0.49 (0.27, 0.87)
Secondary & above	1804(42.26)	27(39.94)	Reference	Reference
Household member				
1-5	1601(37.51)	32(48.27)	Reference	
> 5	2667(62.49)	35(51.73)	0.65 (0.40, 1.06)	
Birth order				
1 st children	665(15.59)	9(14.13)	1.09 (0.53, 2.25)	1.48 (0.69, 3.19)
2 nd - 4 th children	2469(57.85)	32(47.94)	Reference	Reference
5 th children and above	1334(26.56)	25(37.93)	1.71 (0.93, 3.15)	2.00 (1.03, 3.88)
Sex of child				
Male	2217(51.95)	34(50.80)	Reference	
Female	2051(48.05)	33(49.20)	1.05 (0.54, 2.03)	
Plurality				
Single	4196(98.31)	64(94.80)	Reference	Reference
Multiple gestation	72(1.69)	3(5.20)	3.08 (1.13, 8.40)	2.41 (0.77, 7.59)
Breastfeeding				
Yes	4059(95.10)	42(62.14)	Reference	Reference
No	209(4.90)	25(37.86)	10.64 (5.65, 20.04)	11.85 (6.15, 22.83)
Tobacco/cigarette use history				
Yes	718(16.82)	16(23.43)	1.50 (0.74, 3.01)	1.42 (0.66, 3.08)
No	3542(82.99)	51(76.57)	Reference	Reference
Alcohol use history				
Yes	245(5.74)	7(9.72)	1.73 (0.74, 4.08)	1.22 (0.43, 3.45)
No	3988(93.46)	61(90.28)	Reference	Reference
Kava use history				
Yes	81(1.89)	2(2.35)	1.24 (0.30, 5.16)	
No	4178(97.93)	66(97.65)	Reference	
Marijuana use history				
Yes	90(2.11)	3(4.06)	1.93 (0.60, 6.20)	1.60 (0.31, 8.25)
No	4169(97.72)	64(95.94)	Reference	Reference
Betel nut use history				
Yes	3638(85.26)	59(88.19)	1.28 (0.50, 3.30)	
No	626(14.66)	8(11.81)	Reference	
<i>Health and reproductive characteristics, weighted population (n = 2706)</i>				
Antenatal care				

Yes	2545(95.43)	37(92.56)	Reference	
No	122(4.57)	3(7.44)	1.66 (0.52, 5.29)	
Malaria in pregnancy				
Yes	199(7.47)	2(4.06)	0.53 (0.13, 2.23)	
No	1977(74.20)	31(76.93)	Reference	
Postnatal check				
Yes	1702(63.84)	16(39.68)	Reference	Reference
No	956(35.86)	23(56.33)	2.49 (1.14, 5.43)	1.58 (0.52, 4.95)
Place of delivery				
Health facility	2303(86.37)	37(92.68)	Reference	
Non health facility	346(12.96)	3(7.32)	0.53 (0.15, 1.83)	
Birth attendant				
High skilled	2049(76.83)	37(91.76)	Reference	
Low or no skilled	578(21.68)	3(8.24)	0.32 (0.10, 1.04)	
Birth weight (kilograms)				
<2.5 kilograms	228(8.55)	5(13.18)	2.31 (0.78, 6.89)	1.18 (0.18, 7.97)
≥2.5 kilograms	2037(76.47)	20(50.37)	Reference	Reference
Mode of delivery				
C-section	177(6.65)	5(12.40)	1.82 (0.59, 5.63)	0.30 (0.02, 3.74)
Normal vaginal delivery	2116(79.37)	32(80.28)	Reference	Reference
Maternal tetanus vaccination				
Yes	2330(87.58)	36(81.17)	Reference	Reference
No	323(12.13)	8(18.83)	1.59 (0.63, 4.05)	1.45 (0.31, 6.75)

Footnotes: Population consists of all births (weighted n=4334) and last births (weighted n=2706) born between 2010 and 2015 of the Solomon Islands demographic health survey.

Adjusted analyses were made for all covariates with p-values less than 0.2

Frequencies (n) were rounded to the nearest whole number

Abbreviations: CRR; crude relative risk, ARR; adjusted relative risk.

Supplementary file 3. Unadjusted and adjusted analysis of sociodemographic, maternal health and behavioural risks for child mortality of 2015 SIDHS.

COVARIATE AND GROUP	CHILD MORTALITY			
	<i>Sociodemographic, behavioural, health characteristics, weighted population (n = 4334)</i>			
	Number (%)		RR 95% CI	
	No (%)	Yes (%)	CRR	ARR
Marital status				
In union	3,865(90.95)	45(88.56)	Reference	
Not in union	385(9.05)	6(11.44)	1.29 (0.52, 3.22)	
Religion				
Anglican	1,286(30.26)	15(30.12)	1.01 (0.46, 2.24)	
Roman Catholic	942(22.17)	14(26.53)	1.21 (0.61, 2.43)	
Protestant & Pentecostal churches	1673(39.36)	20(38.71)	Reference	
Minor religion ¹	349(8.21)	2(4.64)	0.58 (0.12, 2.76)	
Ethnicity				
Melanesian	4,109 (96.69)	44(85.94)	Reference	Reference
Polynesian	84(1.97)	3(6.34)	3.53 (1.65, 7.56)	3.65 (1.46, 9.10)
Micronesian	52(1.23)	4(7.72)	6.64 (2.86, 15.39)	5.80 (2.48, 13.53)
Household wealth				
Poor (Quintiles 1-2)	1913(45.02)	28(54.72)	1.25 (0.62, 2.49)	
Middle (Quintile 3)	837(19.69)	6(10.93)	0.57 (0.18, 1.82)	
High (Quintiles 4-5)	1500(35.29)	18(34.35)	Reference	
Place of residence				
Urban	748(17.61)	6(10.88)	Reference	
Rural	3501(82.39)	46(89.12)	1.74 (0.79, 3.86)	1.85 (0.88, 3.92)
Maternal age (years)				
≤20	255(6.00)	3(6.48)	0.92 (0.31, 2.71)	0.97 (0.33, 2.86)
21-34	2993(70.42)	42(83.11)	Reference	Reference
35-49	1002(23.58)	5(10.41)	0.38 (0.13, 1.06)	0.43 (0.16, 1.16)
Maternal education				
Primary & lower	2453(57.71)	29(57.09)	0.97 (0.51, 1.87)	
Secondary & above	1973(42.18)	22(42.91)	Reference	
Household member				
1-5	1592(37.45)	25(49.21)	Reference	Reference
> 5	2658(62.55)	26(50.79)	0.62 (0.34, 1.13)	0.62 (0.33, 1.17)
Birth order				
1 st children	664(15.62)	6(11.31)	0.73 (0.25, 2.10)	
2 nd - 4 th children	2456(57.80)	29(57.39)	Reference	
5 th children and above	1130(26.58)	16(31.30)	1.18 (0.53, 2.64)	
Sex of child				
Male	2205(51.88)	58(57.84)	Reference	
Female	2045(48.12)	22(42.16)	0.79 (0.39, 1.59)	
Plurality				
Single	4179(98.34)	47(91.74)	Reference	Reference
Multiple gestation	71(1.66)	4(8.26)	5.08 (1.71, 15.06)	6.15 (2.08, 18.18)
Breastfeeding				
Yes	4042(95.10)	46(91.00)	Reference	Reference
No	208(4.90)	5(9.00)	1.90 (0.69, 5.22)	2.04 (0.75, 5.57)
Tobacco/cigarette use history				
Yes	713(16.79)	16(31.49)	2.24 (1.11, 4.54)	1.77 (0.79, 3.96)
No	3528(83.02)	35(68.51)	Reference	Reference
Alcohol use history				
Yes	244(5.73)	4(7.58)	1.33 (0.49, 3.62)	
No	3972(93.47)	47(92.42)	Reference	
Kava use history				
Yes	80(1.89)	1(2.15)	1.14 (0.24, 5.46)	
No	4162(97.93)	50(97.85)	Reference	
Marijuana use history				
Yes	89(2.10)	3(5.66)	2.74 (0.75, 10.05)	1.94 (0.43, 8.73)
No	4154(97.74)	48(94.34)	Reference	Reference
Betel nut use history				
Yes	3621(85.20)	47(91.98)	1.97 (0.64, 6.10)	1.44 (0.46, 4.57)
No	626(14.72)	4(8.02)	Reference	Reference
<i>Health and reproductive characteristics, weighted population (n = 2706)</i>				
Antenatal care				
Yes	2540(95.42)	21(100.0)	Reference	

No	122(4.58)	0(0.00)		
Malaria in pregnancy				
Yes	198(7.44)	1(5.83)	0.66 (0.13, 3.34)	0.52 (0.17, 1.66)
No	1976(74.22)	19(89.00)	Reference	Reference
Postnatal check				
Yes	1699(63.83)	17(79.69)	Reference	
No	955(35.87)	4(18.86)	0.42 (0.14, 1.24)	
Place of delivery				
Health Facility	2298(86.34)	19(92.99)		
Non health facility	355(12.98)	1(7.01)	0.50 (0.10, 2.61)	
Birth attendant				
High skilled	228(8.56)	3(12.22)	Reference	
Low or no skilled	2035(76.45)	16(74.57)	0.19 (0.03, 1.50)	
Birth weight (kilograms)				
<2.5 kilograms	2044(76.79)	20(94.83)	1.46 (0.31, 6.79)	
≥2.5 kilograms	578(21.72)	1(5.17)	Reference	
Mode of delivery				
C-section	175(6.58)	5(11.36)	1.67 (0.33, 8.38)	
Normal vaginal delivery	2114(79.42)	17(81.63)	Reference	
Maternal tetanus vaccination				
Yes	2330(87.53)	36(81.1)	Reference	
No	324(12.19)	8(18.83)	1.23 (0.29, 5.17)	

Footnotes: Population comprised of all births (weighted n=4334) and last births (weighted n=2706) born between 2010 and 2015 of the Solomon Islands demographic health survey.

Adjusted analyses were made for all covariates with p-values less than 0.2

Frequencies (n) were rounded to the nearest whole number

Abbreviations: CRR; crude relative risk, ARR; adjusted relative risk.

Supplementary file 4. Unadjusted and adjusted analysis of sociodemographic, maternal health and behavioural risks for under-five mortality of 2015 SIDHS.

COVARIATE AND GROUP	UNDER-FIVE MORTALITY			
	<i>Sociodemographic, behavioural, health characteristics, weighted population (n = 4334)</i>			
	Number (%)		RR 95% CI	
	No (%)	Yes (%)	CRR	ARR
Marital status				
In union	3865(90.98)	75(89.57)	Reference	
Not in union	383(9.02)	9(10.43)	1.17 (0.55, 2.47)	
Religion				
Anglican	1286(30.28)	29(34.78)	1.44 (0.76, 2.72)	1.34 (0.74, 2.42)
Roman Catholic	941(22.14)	24(29.16)	1.64 (0.92, 2.95)	1.62 (0.90, 2.94)
Protestant & Pentecostal churches			Reference	Reference
Minor religion ¹	349(8.21)	4(4.87)	0.75 (0.25, 2.27)	0.83 (0.31, 2.25)
Ethnicity				
Melanesian	4107(96.69)	75(89.41)	Reference	Reference
Polynesian	84(1.97)	4(5.00)	2.66 (1.26, 5.61)	3.23 (1.09, 9.54)
Micronesian	52(1.23)	5(5.59)	4.59 (2.46, 8.58)	5.60 (2.52, 12.46)
Household wealth				
Poor (Quintiles 1-2)	1912(45.00)	45(53.46)	1.12 (0.64, 1.96)	1.14 (0.61, 2.13)
Middle (Quintile 3)	837(19.69)	8(9.09)	0.44 (0.18, 1.11)	0.41 (0.17, 1.00)
High (Quintiles 4-5)	1500(35.31)	31(37.45)	Reference	Reference
Place of residence				
Urban	748(17.62)	13(15.21)	Reference	
Rural	3500(82.38)	71(84.79)	1.19 (0.70, 2.03)	
Maternal age (years)				
≤20	1053(24.80)	17(20.00)	0.81 (0.32, 2.02)	
21-34	2192(51.61)	50(59.21)	Reference	
35-49	1002(23.59)	17(20.79)	0.84 (0.50, 1.41)	
Maternal education				
Primary & lower	2451(57.70)	47(56.10)	0.94 (0.58, 1.52)	
Secondary & above	1792(42.20)	37(43.90)	Reference	
Household member				
1-5	1592(37.46)	42(49.71)	Reference	Reference
> 5	2657(62.54)	42(50.29)	0.61 (0.38, 0.97)	0.55 (0.33, 0.93)
Birth order				
1 st children	664(15.62)	11(13.23)	1.08 (0.53, 2.18)	
2 nd - 4 th children	2455(57.78)	44(52.74)	Reference	
5 th children and above	1130(26.59)	29(34.03)	1.50 (0.71, 3.18)	
Sex of child				
Male	2203(51.86)	45(53.37)	Reference	
Female	2045(48.14)	39(46.63)	0.94 (0.53, 1.68)	
Plurality				
Single	4177(98.34)	79(94.03)	Reference	Reference
Multiple gestation	71(1.66)	5(5.97)	3.57 (1.41, 9.03)	3.34 (1.26, 8.88)
Breastfeeding				
Yes	4040(95.10)	57(68.45)	Reference	Reference
No	208(4.90)	26(31.55)	8.05 (4.57, 14.17)	8.65 (4.97, 15.05)
Tobacco/cigarette use history				
Yes	712(16.75)	20(24.22)	1.56 (0.88, 2.77)	1.48 (0.81, 2.72)
No	3528(83.05)	64(75.78)	Reference	Reference
Alcohol use history				
Yes	244(5.73)	8(9.49)	1.69 (0.79, 3.60)	1.24 (0.52, 2.97)
No	3971(93.47)	76(90.51)	Reference	Reference
Kava use history				
Yes	80(1.89)	2(2.29)	1.21 (0.35, 4.16)	
No	4160(97.93)	82(97.71)	Reference	
Marijuana use history				
Yes	89(2.10)	4(4.42)	2.11 (0.71, 6.26)	1.35 (0.34, 5.35)
No	4152(97.74)	80(95.58)	Reference	Reference
Betel nut use history				
Yes	3619(85.20)	76(90.55)	1.64 (0.64, 4.21)	1.03 (0.39, 2.70)
No	626(14.72)	8(9.45)	Reference	Reference
<i>Health and reproductive characteristics, weighted population (n = 2706)</i>				
Antenatal care				
Yes	2540(95.42)	42(93.32)	Reference	

No	122(4.58)	3(6.68)	1.48 (0.47, 4.70)	
Malaria infection				
Yes	198(7.44)	3(5.99)	0.78 (0.27, 2.30)	
No	1974(74.20)	34(76.92)	Reference	
Postnatal check				
Yes	1697(63.81)	19(42.44)	Reference	Reference
No	595(35.89)	24(53.98)	2.23 (1.09, 4.56)	1.38 (0.58, 3.26)
Place of delivery				
Health facility	2297(86.33)	42(93.42)	Reference	
Non health facility	346(12.99)	3(6.58)	0.47(0.14, 1.62)	
Birth attendant				
High skilled	2042(76.77)	41(92.60)	Reference	
Low or no skilled	578(21.73)	3(7.40)	0.29 (0.09, 0.93)	
Birth weight (kilograms)				
<2.5 kilograms	228(8.56)	5(11.84)	1.89 (0.66, 5.45)	1.07 (0.16, 7.03)
≥2.5 kilograms	2033(76.43)	25(55.40)	Reference	Reference
Mode of delivery				
C-section	175(6.58)	7(16.33)	2.50 (0.97, 6.42)	1.13 (0.22, 5.76)
Normal vaginal delivery	2112(79.41)	34(77.09)	Reference	Reference
Maternal tetanus vaccination				
Yes	2330(87.58)	36(81.17)	Reference	Reference
No	323(12.13)	8(18.83)	1.65 (0.69, 3.93)	1.67 (0.45, 6.14)

Footnotes: Population comprised of all births (weighted n=4334) and last births (weighted n=2706) born between 2010 and 2015 of the Solomon Islands demographic health survey.

Adjusted analyses were made for all covariates with p-values less than 0.2

Frequencies (n) were rounded to the nearest whole number

Abbreviations: CRR; crude relative risk, ARR; adjusted relative risk.

Supplementary file 5. Population attributable fractions of sociodemographic, maternal health and behavioural risks for neonatal, infant, child and under-five mortality in the Solomon Islands

Groups at risk	Proportion exposed to risks (%)	Adjusted relative risk	Population attributable fraction (%)
Neonatal mortality			
No postnatal check	36.32	11.36	79
No breastfeeding	5.42	34.8	65
LBW infant	8.82	2.82	14
No tetanus vaccination	12.24	1.79	9
Infant mortality			
No breastfeeding	5.42	11.85	37
Postnatal check	36.32	1.58	17
Tobacco/cigarette use history	16.9	1.42	7
Marijuana use history	2.67	1.6	2
Multiple births	1.75	2.41	2
Child mortality			
Rural Residence	82.43	1.85	41
Tobacco/cigarette use history	16.9	1.77	12
Multiple gestation	1.75	6.15	8
No breastfeeding	5.42	2.04	5
Marijuana use history	2.67	1.94	2
Under-five mortality			
No breastfeeding	5.42	8.65	29
No tetanus vaccination	12.24	1.67	8
Tobacco/cigarette use history	16.9	1.48	8
Multiple births	1.75	3.34	4