**Table S2. Relative risk of death among children aged under five years of age in Ghana, the Demographic and Health Surveys 2003 and 2008, Ghana.**

|  |  |  |  |
| --- | --- | --- | --- |
| Variable  | Category | RR | 95%CI |
| Type of residence |  |  |  |
|  | Rural | 1.04 | 0.70 | 1.57  |
|  | Urban | 1.00 | Reference |
| Region |  |  |  |  |
|  | Western  | 0.78 | 0.41 | 1.49  |
|  | Central | 0.78 | 0.38 | 1.59  |
|  | Greater Accra | 1.00 | Reference |
|  | Volta | 0.95 | 0.46 | 1.96  |
|  | Eastern | 0.76 | 0.41 | 1.43  |
|  | Ashanti | 0.85 | 0.49 | 1.49  |
|  | Brong Ahafo | 0.78 | 0.41 | 1.51  |
|  | Northern | 0.92 | 0.48 | 1.75  |
| Religion |  |  |  |  |
|  | No religion/other | 0.76 | 0.45 | 1.29  |
|  | Roman Catholic | 1.08 | 0.74 | 1.59  |
|  | Protestant | 0.56 | 0.32 | 1.00  |
|  | Other Christian | 0.91 | 0.63 | 1.33  |
|  | Moslem | 1.00 | Reference |
|  | Traditional/Spiritual | 1.40 | 0.89 | 2.19  |
| Ethnic |  |  |  |  |
|  | Akan | 1.00 | Reference |
|  | Ga/Dangme | 1.02 | 0.57 | 1.82  |
|  | Ewe | 0.72 | 0.44 | 1.17  |
|  | Guan | 1.30 | 0.66 | 2.57  |
|  | Mole-Dagbani | 0.86 | 0.55 | 1.35  |
|  | Grussi | 1.37 | 0.78 | 2.40  |
|  | Gruma | 1.09 | 0.67 | 1.79  |
|  | Others | 0.79 | 0.44 | 1.42  |
| Economic status |  |  |  |
|  | Poorest | 1.13 | 0.58 | 2.19  |
|  | Poorer | 1.29 | 0.69 | 2.43  |
|  | Average | 1.04 | 0.56 | 1.95  |
|  | Richer | 0.81 | 0.45 | 1.45  |
|  | Richest | 1.00 | Reference |
| Mother's educational achievement |  |  |  |
|  | No education | 1.39 | 0.94 | 2.06  |
|  | Primary education | 1.71 | 1.18 | 2.47  |
|  | Secondary/higher | 1.00 | Reference |
| Mother's age at birth (years) |  |  |  |
|  | 13-16 | 2.13 | 1.12 | 4.05  |
|  | 17-48 | 1.00 | Reference |

CI, confidence interval; RR, relative risk.

**Table S2. (Continued)**

|  |  |  |  |
| --- | --- | --- | --- |
| Variable  | Category | RR | 95%CI |
| Mother's marital status |  |  |  |
|  | Married | 1.00 | Reference |
|  | Living together | 0.84 | 0.54 | 1.29  |
|  | Widowed | 1.08 | 0.48 | 2.45  |
|  | Divorced | 0.92 | 0.40 | 2.13  |
|  | Not living together | 1.05 | 0.52 | 2.09  |
| ORS |  |  |  |  |
|  | Not used | 1.00 | Reference |
|  | Used  | 0.79 | 0.52 | 1.20  |
| Bed net  |  |  |  |  |
|  | Not used | 1.00 | Reference |
|  | Used | 0.71 | 0.52 | 0.95  |
| ANC 4 visits or more |  |  |  |
|  | Not visited | 1.00 | Reference |
|  | Visited | 0.94 | 0.72 | 1.22  |
| Child's sex |  |  |  |  |
|  | Female | 1.00 | Reference |
|  | Male | 0.95 | 0.75 | 1.20  |
| Multiplicity in birth |  |  |  |
|  | Single | 1.00 | Reference |
|  | Multiple | 5.47 | 3.84 | 7.80  |
| Birth order |  | 1.00 | 0.94 | 1.07  |
| Preceding birth interval (months) |  |  |  |
|  | First birth | 1.80 | 1.20 | 2.68  |
|  | 1-18 | 3.63 | 2.33 | 5.67  |
|  | 19-23 | 2.26 | 1.48 | 3.45  |
|  | 24-35 | 1.58 | 1.16 | 2.13  |
|  | 36+ | 1.00 | Reference |
| Breastfeeding duration |  |  |  |
|  | <1 month for older than 1-month old | 4.17 | 1.79 | 9.70  |
|  | <6 months for older than 6-month old  | 6.02 | 2.45 | 14.79  |
| Age interval constants |  |  |  |
|  | 0 months | 0.02 | 0.01 | 0.03  |
|  | 1-5 months | 0.00 | 0.00 | 0.00  |
|  | 6-11 months | 0.00 | 0.00 | 0.00  |
|  | 12-23 months | 0.00 | 0.00 | 0.00  |
|  | 24-59 months | 0.00 | 0.00 | 0.00  |
| Survey year |  |  |  |  |
|  | 2003 | 1.00 | Reference |
|  | 2008 | 0.86 | 0.66 | 1.13  |

ANC, antenatal care; CI, confidence interval; ORS, oral rehydration salt; RR, relative risk.