|  |
| --- |
| **Supplemental Table 1.** Survey year, sample size, and prevalence and 95%CI of stunting (HAZ < -2SD), wasting (WHZ < -2SD), and overweight (WHZ > 2SD) in children <5y |
|
|  | **Survey year** |  | **Sample size** |  | **Stunting** |  | **Wasting** |  | **Overweight** |
| **Country** |  |  | **%** | **95% CI** |  | **%** | **95% CI** |  | **%** | **95% CI** |
| Armenia | 2000 |  | 1517 |  | 17.7 | 15.0, 20.4 |  | 2.4 | 1.4, 3.5 |  | 15.9 | 13.7, 18.2 |
|  | 2005 |  | 1270 |  | 16.8 | 12.5, 21.0 |  | 4.8 | 2.9, 6.7 |  | 11.5 | 9.2, 13.8 |
|  | 2010 |  | 1429 |  | 19.5 | 16.8, 22.1 |  | 4.1 | 2.7, 5.5 |  | 15.8 | 13.5, 18.1 |
| Bangladesh | 1996 |  | 5223 |  | 59.6 | 57.8, 61.3 |  | 20.8 | 19.3, 22.3 |  | 1.8 | 1.4, 2.2 |
|  | 1999 |  | 5898 |  | 50.1 | 48.4, 51.8 |  | 12.3 | 11.3, 13.4 |  | 0.8 | 0.5, 1.0 |
|  | 2004 |  | 6107 |  | 49.6 | 47.6, 51.6 |  | 14.6 | 13.5, 15.7 |  | 0.9 | 0.7, 1.2 |
|  | 2007 |  | 5682 |  | 43.9 | 41.9, 45.9 |  | 17.4 | 16.0, 18.8 |  | 0.9 | 0.6, 1.2 |
|  | 2011 |  | 8160 |  | 40.2 | 38.5, 41.9 |  | 15.6 | 14.5, 16.6 |  | 1.7 | 1.3, 2.0 |
| Benin | 1996\* |  | 2561 |  | 33.5 | 31.2, 35.8 |  | 16.8 | 14.8, 18.8 |  | 2.4 | 1.6, 3.1 |
|  | 2001 |  | 4336 |  | 37.7 | 35.8, 39.6 |  | 9.2 | 8.3, 10.0 |  | 2.8 | 2.3, 3.4 |
|  | 2006 |  | 12854 |  | 41.9 | 40.5, 43.3 |  | 8.2 | 7.5, 9.0 |  | 9.8 | 8.9, 10.7 |
| Bolivia | 1994\* |  | 2985 |  | 33.8 | 31.2, 36.3 |  | 5.5 | 4.5, 6.4 |  | 8.0 | 6.8, 9.2 |
|  | 1998 |  | 6384 |  | 33.3 | 31.5, 35.1 |  | 1.6 | 1.3, 1.9 |  | 10.5 | 9.5, 11.6 |
|  | 2003 |  | 9274 |  | 32.2 | 30.6, 33.8 |  | 1.6 | 1.3, 2.0 |  | 9.2 | 8.3, 10.1 |
|  | 2008 |  | 8010 |  | 26.9 | 25.3, 28.5 |  | 1.4 | 1.1, 1.8 |  | 8.5 | 7.7, 9.3 |
| Burkina Faso | 1992 |  | 4618 |  | 39.6 | 38.1, 41.1 |  | 15.0 | 13.7, 16.2 |  | 2.8 | 2.1, 3.5 |
|  | 1998 |  | 4711 |  | 44.5 | 42.6, 46.4 |  | 14.9 | 13.6, 16.2 |  | 1.6 | 1.1, 2.2 |
|  | 2003 |  | 8630 |  | 42.8 | 40.7, 44.9 |  | 21.3 | 19.9, 22.6 |  | 4.6 | 3.6, 5.6 |
|  | 2010 |  | 6620 |  | 34.2 | 32.6, 35.9 |  | 15.8 | 14.4, 17.2 |  | 2.5 | 2.0, 3.1 |
| Cambodia | 2000 |  | 3729 |  | 48.7 | 46.5, 51.0 |  | 16.7 | 15.0, 18.4 |  | 3.5 | 2.8, 4.3 |
|  | 2005 |  | 3737 |  | 41.6 | 39.3, 43.8 |  | 8.6 | 7.4, 9.8 |  | 1.5 | 1.0, 2.0 |
|  | 2010 |  | 3836 |  | 38.5 | 36.2, 40.8 |  | 11.5 | 10.1, 12.9 |  | 1.7 | 1.2, 2.3 |
| Cameroon | 1991 |  | 2596 |  | 36.0 | 32.5, 39.5 |  | 4.3 | 3.2, 5.5 |  | 4.8 | 3.4, 6.3 |
|  | 1998\* |  | 1868 |  | 34.3 | 31.3, 37.2 |  | 8.3 | 6.4, 10.2 |  | 7.7 | 6.1, 9.3 |
|  | 2004 |  | 3219 |  | 34.7 | 32.4, 37.0 |  | 6.4 | 5.3, 7.4 |  | 7.9 | 6.6, 9.3 |
|  | 2011 |  | 5051 |  | 31.7 | 30.0, 33.4 |  | 6.0 | 5.2, 6.8 |  | 6.3 | 5.4, 9.3 |
| Colombia | 1995 |  | 4528 |  | 19.6 | 18.2, 21.1 |  | 1.7 | 1.3, 2.1 |  | 4.5 | 3.9, 5.2 |
|  | 2000 |  | 4165 |  | 18.4 | 16.9, 19.9 |  | 1.0 | 0.7, 1.3 |  | 5.2 | 4.4, 6.0 |
|  | 2005 |  | 12339 |  | 15.3 | 14.3, 16.3 |  | 1.6 | 1.3, 1.8 |  | 4.2 | 3.6, 4.8 |
|  | 2010 |  | 16705 |  | 12.3 | 11.6, 13.1 |  | 0.9 | 0.7, 1.1 |  | 4.8 | 4.4, 5.3 |
| Congo Brazza | 2005 |  | 4068 |  | 29.4 | 27.5, 31.3 |  | 7.6 | 6.3, 8.9 |  | 8.3 | 7.1, 9.5 |
|  | 2011 |  | 4452 |  | 22.4 | 20.4, 24.3 |  | 5.6 | 4.5, 6.7 |  | 3.4 | 2.4, 4.4 |
| Cote D'Ivoire | 1994\* |  | 3410 |  | 30.8 | 29.0, 32.6 |  | 10.7 | 9.6, 11.8 |  | 2.6 | 2.0, 3.3 |
|  | 1998 |  | 1559 |  | 30.4 | 26.8, 33.9 |  | 6.9 | 5.5, 8.3 |  | 4.0 | 2.9, 5.1 |
|  | 2011 |  | 3346 |  | 28.6 | 26.4, 30.8 |  | 7.8 | 6.5, 9.1 |  | 3.1 | 2.3, 3.8 |
| Dominican Republic | 1991 |  | 3265 |  | 20.3 | 17.9, 22.7 |  | 2.1 | 1.4, 2.7 |  | 4.2 | 3.2, 5.2 |
|  | 1996 |  | 3783 |  | 13.2 | 11.7, 14.7 |  | 2.0 | 1.4, 2.5 |  | 6.7 | 5.4, 8.0 |
|  | 2002 |  | 9384 |  | 11.6 | 10.3, 12.8 |  | 1.9 | 1.5, 2.3 |  | 8.6 | 7.6, 9.5 |
|  | 2007 |  | 9823 |  | 9.9 | 8.9, 10.9 |  | 2.2 | 1.7, 2.7 |  | 8.3 | 7.4, 9.3 |
| Egypt | 1992 |  | 7577 |  | 29.8 | 27.8, 31.8 |  | 3.9 | 3.3, 4.4 |  | 14.1 | 12.7, 15.5 |
|  | 1995 |  | 10632 |  | 34.1 | 32.4, 35.7 |  | 5.7 | 5.0, 6.3 |  | 14.3 | 13.1, 15.5 |
|  | 2000 |  | 10418 |  | 23.1 | 21.7, 24.6 |  | 2.9 | 2.5, 3.4 |  | 18.1 | 16.8, 19.4 |
|  | 2003 |  | 6051 |  | 19.5 | 18.1, 20.8 |  | 5.2 | 4.4, 6.0 |  | 8.9 | 7.8, 10.0 |
|  | 2005 |  | 12713 |  | 22.7 | 21.3, 24.1 |  | 4.9 | 4.3, 5.6 |  | 13.8 | 12.6, 14.9 |
|  | 2008 |  | 10155 |  | 29.0 | 24.0, 34.1 |  | 7.5 | 4.9, 10.2 |  | 20.0 | 15.1, 24.9 |
| Ethiopia | 2000 |  | 9038 |  | 56.8 | 55.0, 58.6 |  | 12.5 | 11.4, 13.7 |  | 1.9 | 1.5, 2.3 |
|  | 2005 |  | 4392 |  | 49.9 | 47.3, 52.4 |  | 12.1 | 10.7, 13.6 |  | 4.4 | 3.6, 5.3 |
|  | 2011 |  | 10235 |  | 43.9 | 42.1, 45.7 |  | 9.8 | 8.8, 10.8 |  | 1.8 | 1.5, 2.2 |
| Gabon | 2000 |  | 3952 |  | 25.3 | 23.4, 27.2 |  | 4.1 | 3.2, 4.9 |  | 5.6 | 4.6, 6.6 |
|  | 2012 |  | 3460 |  | 15.9 | 13.5, 18.2 |  | 3.4 | 2.6, 4.2 |  | 8.1 | 6.4, 9.7 |
| Ghana | 1993\* |  | 1914 |  | 31.7 | 29.3, 34.1 |  | 14.2 | 12.4, 16.1 |  | 2.8 | 2.0, 3.6 |
|  | 1998 |  | 2774 |  | 31.0 | 28.8, 33.1 |  | 9.6 | 8.4, 10.8 |  | 2.4 | 1.8, 3.1 |
|  | 2003 |  | 3169 |  | 35.2 | 32.9, 37.4 |  | 8.3 | 7.2, 9.4 |  | 4.3 | 3.5, 5.1 |
|  | 2008 |  | 2579 |  | 26.9 | 24.6, 29.3 |  | 8.9 | 7.6, 10.1 |  | 5.5 | 4.2, 6.7 |
| Guinea | 1999 |  | 4551 |  | 33.6 | 31.8, 35.3 |  | 9.5 | 8.5, 10.5 |  | 4.0 | 3.4, 4.6 |
|  | 2005 |  | 2633 |  | 38.1 | 35.7, 40.6 |  | 10.9 | 9.2, 12.5 |  | 5.0 | 3.9, 6.1 |
| Haiti | 1994 |  | 2834 |  | 36.2 | 33.5, 38.9 |  | 9.1 | 7.8, 10.3 |  | 4.0 | 2.9, 5.1 |
|  | 2000 |  | 5486 |  | 26.2 | 23.3, 29.1 |  | 5.3 | 4.5, 6.1 |  | 2.7 | 2.1, 3.4 |
|  | 2005 |  | 2552 |  | 27.6 | 24.8, 30.3 |  | 10.4 | 8.1, 12.7 |  | 4.1 | 3.1, 5.0 |
|  | 2012 |  | 3983 |  | 20.3 | 18.3, 22.3 |  | 5.1 | 4.2, 5.9 |  | 3.8 | 3.0, 4.5 |
| Honduras | 2005 |  | 10091 |  | 29.5 | 27.9, 31.0 |  | 1.4 | 1.1, 1.6 |  | 5.8 | 5.1, 6.4 |
|  | 2011 |  | 10113 |  | 22.3 | 21.0, 23.5 |  | 1.4 | 1.1, 1.6 |  | 5.3 | 4.7, 5.9 |
| India | 1992† |  | 44827 |  | 57.2 | 56.2, 58.1 |  | 21.1 | 20.3, 22 |  | 2.6 | 2.3, 2.9 |
|  | 1998\* |  | 27241 |  | 50.4 | 49.5, 51.3 |  | 19.8 | 19.2, 20.5 |  | 3.0 | 2.7, 3.3 |
|  | 2005 |  | 43407 |  | 47.6 | 47.0, 48.2 |  | 20.0 | 19.5, 20.5 |  | 1.6 | 1.4, 1.7 |
| Jordan | 1990 |  | 6770 |  | 19.1 | 17.7, 20.6 |  | 3.9 | 3.3, 4.5 |  | 8.4 | 7.6, 9.3 |
|  | 1997 |  | 5650 |  | 10.7 | 9.6, 11.8 |  | 2.3 | 1.9, 2.7 |  | 4.3 | 3.7, 4.8 |
|  | 2002 |  | 4883 |  | 11.6 | 10.5, 12.7 |  | 2.3 | 1.6, 3.0 |  | 4.6 | 3.8, 5.4 |
|  | 2007 |  | 5003 |  | 14.5 | 12.7, 16.3 |  | 7.3 | 5.9, 8.7 |  | 12.2 | 10.3, 14.1 |
|  | 2009 |  | 4558 |  | 7.8 | 6.4, 9.1 |  | 1.5 | 0.9, 2.1 |  | 6.5 | 5.1, 8.0 |
| Kenya | 1993 |  | 5070 |  | 39.7 | 37.6, 41.7 |  | 6.8 | 6.0, 7.7 |  | 5.8 | 5.0, 6.7 |
|  | 1998 |  | 4745 |  | 37.1 | 35.3, 39.0 |  | 7.0 | 6.2, 7.9 |  | 6.7 | 5.8, 7.5 |
|  | 2003 |  | 4815 |  | 35.3 | 33.4, 37.1 |  | 5.9 | 4.8, 6.9 |  | 5.7 | 4.9, 6.5 |
|  | 2008 |  | 5346 |  | 34.9 | 32.7, 37.1 |  | 6.7 | 5.7, 7.7 |  | 4.9 | 4.2, 5.7 |
| Lesotho | 2004 |  | 1449 |  | 42.2 | 39.0, 45.5 |  | 5.3 | 3.9, 6.7 |  | 6.9 | 5.3, 8.6 |
|  | 2009 |  | 1686 |  | 37.2 | 34.4, 40.0 |  | 4.2 | 3.2, 5.3 |  | 7.8 | 6.2, 9.3 |
| Malawi | 1992 |  | 3320 |  | 54.8 | 52.6, 57.0 |  | 6.5 | 5.4, 7.7 |  | 9.6 | 8.0, 11.3 |
|  | 2000 |  | 9545 |  | 53.2 | 51.6, 54.9 |  | 6.7 | 6.0, 7.4 |  | 8.3 | 7.3, 9.2 |
|  | 2004 |  | 8723 |  | 51.2 | 49.7, 52.8 |  | 6.2 | 5.5, 7.0 |  | 9.5 | 8.7, 10.3 |
|  | 2010 |  | 4798 |  | 46.2 | 44.2, 48.3 |  | 4.1 | 3.3, 4.9 |  | 8.5 | 7.6, 9.5 |
| Mali | 1995\* |  | 4921 |  | 35.9 | 34.2, 37.6 |  | 26.9 | 25.2, 28.6 |  | 1.9 | 1.4, 2.5 |
|  | 2001 |  | 9846 |  | 41.4 | 39.4, 43.3 |  | 12.6 | 11.4, 13.9 |  | 2.5 | 2.0, 3.1 |
|  | 2006 |  | 11729 |  | 37.4 | 35.8, 39.1 |  | 15.6 | 14.6, 16.5 |  | 4.5 | 3.8, 5.3 |
| Mozambique | 1997\* |  | 3543 |  | 44.1 | 40.8, 47.5 |  | 12.1 | 10.2, 14.1 |  | 5.7 | 4.2, 7.1 |
|  | 2003 |  | 8084 |  | 46.6 | 44.5, 48.6 |  | 5.1 | 4.3, 6.0 |  | 6.0 | 5.2, 6.8 |
|  | 2011 |  | 9493 |  | 42.3 | 40.7, 44.0 |  | 6.1 | 5.4, 6.8 |  | 7.6 | 6.9, 8.4 |
| Namibia | 1992 |  | 2747 |  | 34.2 | 31.3, 37.0 |  | 9.4 | 7.9, 10.9 |  | 4.4 | 3.5, 5.2 |
|  | 2000 |  | 2990 |  | 27.7 | 24.9, 30.5 |  | 9.5 | 8.1, 10.9 |  | 3.3 | 2.4, 4.1 |
|  | 2006 |  | 3769 |  | 29.1 | 27.0, 31.3 |  | 7.5 | 6.5, 8.5 |  | 5.1 | 4.0, 6.1 |
| Nepal | 1996\* |  | 3963 |  | 56.4 | 54.1, 58.7 |  | 14.8 | 13.4, 16.2 |  | 1.0 | 0.6, 1.3 |
|  | 2001 |  | 6242 |  | 56.4 | 54.2, 58.6 |  | 11.4 | 9.9, 12.9 |  | 0.6 | 0.4, 0.8 |
|  | 2006 |  | 5270 |  | 49.2 | 46.6, 51.9 |  | 12.5 | 11.2, 13.8 |  | 0.6 | 0.3, 0.9 |
|  | 2011 |  | 2365 |  | 39.9 | 37.1, 42.6 |  | 10.8 | 9.1, 12.4 |  | 1.4 | 0.8, 2.1 |
| Nigeria | 1990 |  | 5998 |  | 49.6 | 47.2, 52.0 |  | 11.7 | 9.6, 13.8 |  | 2.9 | 2.1, 3.7 |
|  | 1999\*‡ |  | 2889 |  | 50.1 | 46.9, 53.4 |  | 14.1 | 12.3, 15.8 |  | 23.3 | 20.8, 25.9 |
|  | 2003 |  | 4668 |  | 42.5 | 39.5, 45.4 |  | 11.1 | 9.8, 12.5 |  | 5.6 | 4.7, 6.6 |
|  | 2008 |  | 23683 |  | 40.2 | 39.1, 41.3 |  | 14.3 | 13.4, 15.2 |  | 9.2 | 8.6, 9.8 |
| Niger | 1992 |  | 4907 |  | 47.8 | 45.8, 49.7 |  | 18.6 | 17.3, 19.9 |  | 1.9 | 1.4, 2.3 |
|  | 1998\* |  | 3974 |  | 45.8 | 43.6, 47.9 |  | 25.1 | 23.3, 26.9 |  | 1.1 | 0.8, 1.5 |
|  | 2006 |  | 3909 |  | 54.5 | 52.0, 56.9 |  | 12.9 | 11.4, 14.4 |  | 3.5 | 2.6, 4.4 |
| Peru | 1992 |  | 7826 |  | 37.1 | 35.1, 39.1 |  | 1.8 | 1.5, 2.1 |  | 9.3 | 8.5, 10.1 |
|  | 1996 |  | 15175 |  | 30.9 | 29.3, 32.4 |  | 1.5 | 1.3, 1.8 |  | 9.9 | 9.1, 10.7 |
|  | 2000 |  | 11765 |  | 30.8 | 29.2, 32.4 |  | 1.1 | 0.9, 1.3 |  | 11.8 | 10.9, 12.6 |
|  | 2005 |  | 2490 |  | 29.3 | 25.4, 33.2 |  | 1.1 | 0.5, 1.6 |  | 8.8 | 7.2, 10.3 |
|  | 2007 |  | 2554 |  | 29.4 | 25.9, 33.0 |  | 1.2 | 0.6, 1.8 |  | 9.5 | 7.7, 11.3 |
|  | 2008 |  | 6203 |  | 27.1 | 24.7, 29.6 |  | 0.7 | 0.3, 1.0 |  | 10.1 | 8.7, 11.6 |
|  | 2011 |  | 8726 |  | 19.7 | 18.1, 21.3 |  | 0.4 | 0.2, 0.5 |  | 8.8 | 7.8, 9.9 |
|  | 2012 |  | 9187 |  | 17.9 | 16.5, 19.3 |  | 0.7 | 0.5, 0.9 |  | 7.4 | 6.5, 8.3 |
| Rwanda | 1992 |  | 4383 |  | 55.5 | 53.4, 57.6 |  | 4.7 | 3.8, 5.5 |  | 3.9 | 3.2, 4.5 |
|  | 2000 |  | 6283 |  | 46.9 | 45.3, 48.6 |  | 8.4 | 7.5, 9.2 |  | 6.8 | 6.0, 7.5 |
|  | 2005 |  | 3712 |  | 50.3 | 48.4, 52.3 |  | 4.5 | 3.7, 5.3 |  | 6.5 | 5.6, 7.4 |
|  | 2010 |  | 4032 |  | 43.5 | 41.6, 45.5 |  | 2.9 | 2.4, 3.5 |  | 7.3 | 6.4, 8.1 |
| Senegal | 1992 |  | 4662 |  | 32.4 | 30.4, 34.3 |  | 9.2 | 8.3, 10.2 |  | 3.7 | 3.0, 4.3 |
|  | 2005 |  | 2890 |  | 19.5 | 17.3, 21.7 |  | 8.6 | 7.2, 9.9 |  | 2.6 | 1.7, 3.6 |
|  | 2010 |  | 4164 |  | 27.5 | 25.3, 29.7 |  | 9.8 | 8.8, 10.9 |  | 2.7 | 1.9, 3.4 |
| Tanzania | 1991 |  | 6588 |  | 49.0 | 46.3, 51.7 |  | 7.5 | 6.5, 8.5 |  | 5.7 | 5.0, 6.4 |
|  | 1996 |  | 5477 |  | 48.3 | 45.9, 50.8 |  | 8.4 | 7.6, 9.3 |  | 4.5 | 3.8, 5.2 |
|  | 2004 |  | 7206 |  | 42.9 | 40.9, 45.0 |  | 3.6 | 3.1, 4.1 |  | 5.0 | 4.3, 5.7 |
|  | 2010 |  | 7001 |  | 41.0 | 39.3, 42.8 |  | 4.8 | 4.2, 5.5 |  | 5.4 | 4.7, 6.1 |
| Uganda | 1995† |  | 4654 |  | 44.8 | 42.8, 46.7 |  | 6.5 | 5.6, 7.3 |  | 5.0 | 4.1, 5.8 |
|  | 2000 |  | 5262 |  | 44.1 | 41.9, 46.3 |  | 5.0 | 4.4, 5.7 |  | 5.1 | 4.4, 5.8 |
|  | 2006 |  | 2377 |  | 37.4 | 35.2, 39.5 |  | 6.2 | 5.1, 7.2 |  | 5.0 | 3.9, 6.1 |
|  | 2011 |  | 2160 |  | 32.3 | 29.6, 35.0 |  | 4.8 | 3.7, 5.9 |  | 4.0 | 3.0, 4.9 |
| Zambia | 1992 |  | 4960 |  | 45.4 | 43.3, 47.6 |  | 6.1 | 5.2, 6.9 |  | 4.4 | 3.8, 5.0 |
|  | 1996 |  | 5555 |  | 48.1 | 46.2, 50.0 |  | 5.1 | 4.4, 5.8 |  | 6.0 | 5.2, 6.8 |
|  | 2001 |  | 5532 |  | 52.3 | 50.4, 54.2 |  | 6.0 | 5.3, 6.8 |  | 5.5 | 4.8, 6.3 |
|  | 2007 |  | 5242 |  | 44.6 | 42.6, 46.6 |  | 5.3 | 4.6, 6.1 |  | 8.4 | 7.4, 9.5 |
| Zimbabwe | 1994\* |  | 2100 |  | 27.7 | 25.3, 30.0 |  | 6.4 | 5.1, 7.6 |  | 7.1 | 5.9, 8.3 |
|  | 1999 |  | 2999 |  | 31.5 | 29.1, 33.9 |  | 7.7 | 6.3, 9.0 |  | 10.2 | 8.7, 11.7 |
|  | 2005 |  | 4425 |  | 32.4 | 29.8, 34.9 |  | 6.5 | 5.5, 7.5 |  | 8.6 | 7.4, 9.9 |
|  | 2010 |  | 4657 |  | 31.2 | 29.6, 32.8 |  | 3.2 | 2.6, 3.7 |  | 5.5 | 4.8, 6.3 |
| \* Survey only included children 0-3y |  |  |  |  |  |  |  |  |  |
| † Survey only included children 0-4y‡ Survey excluded from analysis (30) |  |  |  |  |  |  |  |  |  |