

Table 1 Prevalence of stunting, underweight, overweight and obesity in boys aged &lt; 5 years between 2007 and 2019

Boys	Age, yr	Years of study								P	Overall	
		2007–2009		2010–2012		2013–2015		2016–2019			n	%
Stunting <sup>a</sup>		n	%	n	%	n	%	n	%		n	%
	< 1	2108	8.54	1999	7.40	1961	8.72	2639	11.03	0.058	8707	9.07
	1 to < 2	1012	4.74	991	3.73	894	4.25	1233	6.08	0.091	4130	4.79
	2 to < 3	822	4.01	768	3.26	616	4.55	804	3.86	0.686	3010	3.89
	3 to < 4	1077	1.76	1135	2.47	803	3.99	1200	3.33	0.300	4215	2.82
	4 to < 5	1063	2.82	1129	2.30	512	4.30	1080	4.35	0.427	3784	3.30
	All	6082	5.10	6022	4.38	4786	6.08	6956	6.96	0.010	23 846	5.66
Weighted prevalence			3.71		3.27		5.00		5.24			4.27
Underweight <sup>b</sup>		n	%	n	%	n	%	n	%	P	n	%
	< 1	2121	4.43	2010	3.73	1986	5.09	2659	6.21	0.140	8776	4.96
	1 to < 2	1017	1.87	999	1.70	907	2.54	1257	4.14	0.010	4180	2.66
	2 to < 3	821	1.95	769	1.04	616	1.46	809	1.61	0.591	3015	1.53
	3 to < 4	1077	1.39	1133	1.32	804	1.74	1199	2.00	0.508	4213	1.61
	4 to < 5	1063	1.41	1121	1.25	512	1.37	1079	1.48	0.929	3775	1.38
	All	6099	2.61	6032	2.14	4825	3.19	7003	3.86	0.025	23 959	2.97
Weighted prevalence			1.92		1.60		2.32		2.72			2.14
Overweight <sup>c</sup>		n	%	n	%	n	%	n	%	P	n	%
	< 1	2112	5.92	2006	5.78	1995	5.71	2645	6.65	0.608	8758	6.06
	1 to < 2	1013	13.52	994	13.28	908	12.11	1244	13.67	0.819	4159	13.20
	2 to < 3	815	7.85	765	10.85	615	10.73	803	8.09	0.075	2998	9.27
	3 to < 4	1073	7.83	1129	7.53	798	7.64	1191	9.57	0.334	4191	8.21
	4 to < 5	1058	10.40	1114	9.07	508	9.25	1069	12.72	0.199	3749	10.51
	All	6071	8.57	6008	8.61	4824	8.25	6952	9.51	0.329	23 855	8.79
Weighted prevalence			9.14		9.00		8.88		10.46			9.43
Obesity <sup>d</sup>		n	%	n	%	n	%	n	%	P	n	%
	< 1	2112	1.33	2006	1.05	1995	1.60	2645	1.29	0.547	8758	1.31
	1 to < 2	1013	3.06	994	2.82	908	3.85	1244	3.22	0.684	4159	3.22
	2 to < 3	815	2.21	765	3.27	615	3.41	803	2.37	0.305	2998	2.77
	3 to < 4	1073	2.61	1129	3.01	798	2.26	1191	3.44	0.447	4191	2.89
	4 to < 5	1058	4.16	1114	3.41	508	4.13	1069	5.24	0.416	3749	4.24
	All	6071	2.45	6008	2.43	4824	2.63	6952	2.73	0.534	23 855	2.57
Weighted prevalence			2.94		2.92		3.00		3.48			3.10

<sup>a</sup>Defined as height/length-for-age z score < -2.0 SD. Out of 24 030 boys, height/length-for-age z score was < -6 SD or > +6 SD for 190 participants.

<sup>b</sup>Defined as weight-for-age z score < -2.0 SD. Out of 24 030 boys, weight-for-age z score was < -6 SD or > +5 SD for 77 participants.

<sup>c</sup>Defined as BMI-for-age z score ≥ +2.0 SD (obesity included in overweight). Out of 24 030 boys, BMI-for-age z score was < -5 SD or > +5 SD for 181 participants.

<sup>d</sup>Defined as BMI-for-age z score ≥ +3.0 SD. Out of 24 030 boys, BMI-for-age z score was < -5 SD or > +5 SD for 181 participants. P generated by design-based (corrected) F statistic.