

Table SE.1:
Indicators selected for sampling error calculations

List of indicators selected for sampling error calculations, and base populations (denominators) for each indicator, BiH, 2006

MICS Indicator	Base Population
HOUSEHOLDS	
74 Child discipline	Children aged 2-14 years selected
HOUSEHOLD MEMBERS	
11 Use of improved drinking water sources	All household members
12 Use of improved sanitation facilities	All household members
55 Net primary school attendance rate	Children of primary school age
56 Net secondary school attendance rate	Children of secondary school age
59 Primary completion rate	Children of primary school completion age
71 Child labour	Children aged 5-14 years
75 Prevalence of orphans	Children aged under 18
76 Prevalence of vulnerable children	Children aged under 18
WOMEN	
4 Skilled attendant at delivery	Women aged 15-49 years with a live birth in the last 2 years
20 Antenatal care	Women aged 15-49 years with a live birth in the last 2 years
21 Contraceptive prevalence	Women aged 15-49 currently married/in union
60 Adult literacy	Women aged 15-24 years
67 Marriage before age 18	Women aged 20-49 years
82 Comprehensive knowledge about HIV prevention among young people	Women aged 15-24 years
83 Condom use with non-regular partners	Women aged 15-24 years that had a non-marital, non-cohabiting partner in the last 12 months
84 Age at first sex among young people	Women aged 15-24 years
86 Attitude towards people with HIV/AIDS	Women aged 15-49 years
88 Women who have been tested for HIV	Women aged 15-49 years
89 Knowledge of mother- to-child transmission of HIV	Women aged 15-49 years
UNDER-5s	
6 Underweight prevalence	Children under age 5
25 Tuberculosis immunization coverage	Children aged 12-23 months
26 Polio immunization coverage	Children aged 12-23 months
27 Immunization coverage for DPT	Children aged 12-23 months
28 Measles immunization coverage	Children aged 12-23 months
31 Fully immunized children	Children aged 12-23 months
22 Antibiotic treatment of suspected pneumonia	Children under age 5 with suspected pneumonia in the last 2 weeks
35 Received ORT or increased fluids and continued feeding	Children under age 5 with diarrhoea in the last 2 weeks
46 Support for learning	Children under age 5
62 Birth registration	Children under age 5

Table SE.2:
Sampling errors: Total/national sample

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft) and confidence intervals for selected indicators, BiH, 2006

Table	Value (r)	Standard error (se)	Coefficient of variation (se/r)	Design effect (deff)	Square root of design effect (deft)	Weighted count	Unweighted count	Confidence limits		
								r - 2se	r + 2se	
HOUSEHOLDS										
Child discipline	CP.4	0.356	0.019	0.054	4.726	2.174	1764.074	2907	0.318	0.394
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.987	0.003	0.003	4.901	2.214	17425.65	5549	0.981	0.994
Use of improved sanitation facilities	EN.5	0.930	0.008	0.008	4.799	2.191	17425.65	5549	0.915	0.945
Net primary school attendance rate	ED.3	0.984	0.003	0.003	1.747	1.322	1985	2291	0.978	0.991
Primary completion rate	ED.4	0.793	0.018	0.023	1.530	1.237	934	748	0.757	0.830
Primary completion rate	ED.6	0.866	0.034	0.039	1.825	1.351	208	187	0.799	0.933
Child labour	CP.2	0.053	0.009	0.171	4.563	2.136	2204.045	2791	0.035	0.071
Prevalence of orphans	HA.10	0.045	0.005	0.118	4.316	2.077	3834.361	6561	0.034	0.055
WOMEN										
Skilled attendant at delivery	RH.5	0.996	0.002	0.002	1.596	1.263	458.8006	1174	0.991	1.000
Antenatal care	RH.3	0.989	0.005	0.005	3.112	1.764	458.8006	1174	0.978	1.000
Contraceptive prevalence	RH.1	0.357	0.018	0.052	5.587	2.364	3153.108	3793	0.321	0.393
Adult literacy	ED.8	0.845	0.016	0.019	2.562	1.601	1369.688	1253	0.813	0.877
Marriage before age 18	CP.5	0.101	0.007	0.068	2.308	1.519	4259.518	4458	0.087	0.114
Comprehensive knowledge about HIV prevention among young people	HA.3	0.390	0.016	0.041	5.283	2.299	4889.998	4890	0.359	0.422
Condom use with non-regular partners	HA.9	0.710	0.070	0.099	1.492	1.221	109.9255	63	0.569	0.852
Age at first sex among young people	HA.8	0.006	0.004	0.625	1.020	1.010	630.4801	432	-0.001	0.013
Attitude towards people with HIV/AIDS	HA.5	0.358	0.015	0.043	4.870	2.207	4772.111	4765	0.328	0.388
Women who have been tested for HIV	HA.6	0.026	0.003	0.124	1.994	1.412	4889.998	4890	0.019	0.032
Knowledge of mother- to-child transmission of HIV	HA.4	0.691	0.016	0.024	6.129	2.476	4889.998	4890	0.659	0.723
UNDER-5s										
Underweight prevalence	NU.1	0.015	0.003	0.199	1.800	1.342	3017	3015	0.009	0.021
Tuberculosis immunization coverage	CH.2	0.965	0.008	0.009	1.416	1.190	628	666	0.948	0.982
Polio immunization coverage	CH.2	0.864	0.020	0.024	2.327	1.525	626	658	0.824	0.904
Immunization coverage for DPT	CH.2	0.862	0.020	0.024	2.280	1.510	622	653	0.821	0.902
Measles immunization coverage	CH.2	0.780	0.023	0.029	1.965	1.402	609	644	0.735	0.825
Fully immunized children	CH.2	0.732	0.025	0.034	2.049	1.431	614	649	0.683	0.781
Antibiotic treatment of suspected pneumonia	CH.7	0.731	0.059	0.080	2.398	1.549	125.722	137	0.614	0.848
Received ORT or increased fluids and continued feeding	CH.5	0.525	0.057	0.108	1.996	1.413	151.0999	155	0.412	0.638
Support for learning	CD.1	0.756	0.019	0.026	6.456	2.541	3187.157	3187	0.718	0.794
Birth registration	CP.1	0.995	0.002	0.002	3.027	1.740	3187.157	3187	0.991	0.999

Table SE.3:
Sampling errors: Urban

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft) and confidence intervals for selected indicators, BiH, 2006

Table	Value (r)	Standard error (se)	Coefficient of variation (se/r)	Design effect (deff)	Square root of design effect (deft)	Weighted count	Unweighted count	Confidence limits		
								r - 2se	r + 2se	
HOUSEHOLDS										
Child discipline	CP.4	0.358	0.034	0.095	5.228	2.286	974	627	0.291	0.425
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.994	0.003	0.003	3.057	1.748	1995	6161	0.988	1.000
Use of improved sanitation facilities	EN.5	0.989	0.005	0.005	3.785	1.946	1995	6161	0.979	0.998
Net primary school attendance rate	ED.3	0.978	0.008	0.008	2.218	1.489	684	731	0.963	0.993
Net secondary school attendance rate	ED.4	0.881	0.021	0.024	1.166	1.080	357	259	0.840	0.921
Primary completion rate	ED.6	0.938	0.037	0.039	1.409	1.187	68	56	0.865	1.010
Child labour	CP.2	0.032	0.012	0.389	4.767	2.183	885	756	0.008	0.056
Prevalence of orphans	HA.10	0.040	0.009	0.228	4.748	2.179	2097	1296	0.022	0.057
WOMEN										
Skilled attendant at delivery	RH.5	0.995	0.003	0.003	0.777	0.882	361	134	0.989	1.002
Antenatal care	RH.3	0.974	0.017	0.018	4.086	2.022	361	134	0.940	1.000
Contraceptive prevalence	RH.1	0.290	0.028	0.096	4.938	2.222	1251	1093	0.235	0.344
Adult literacy	ED.8	0.776	0.031	0.040	2.586	1.608	391	499	0.715	0.838
Marriage before age 18	CP.5	0.051	0.007	0.148	1.932	1.390	1533	1584	0.036	0.065
Comprehensive knowledge about HIV prevention among young people	HA.3	0.437	0.029	0.066	6.291	2.508	1678	1835	0.380	0.494
Condom use with non-regular partners	HA.9	*	*	*	*	*	*	44	*	*
Age at first sex among young people	HA.8	0.004	0.003	0.746	0.360	0.600	145	251	0.000	0.009
Attitude towards people with HIV/AIDS	HA.5	0.391	0.026	0.068	5.299	2.302	1657	1815	0.339	0.443
Women who have been tested for HIV	HA.6	0.035	0.006	0.168	1.848	1.359	1678	1835	0.023	0.046
Knowledge of mother- to-child transmission of HIV	HA.4	0.721	0.025	0.035	5.806	2.410	1678	1835	0.671	0.770
UNDER-5s										
Underweight prevalence	NU.1	0.022	0.008	0.349	2.632	1.622	948	955	0.007	0.038
Tuberculosis immunization coverage	CH.2	0.969	0.012	0.012	1.077	1.038	214	224	0.9449	0.992
Polio immunization coverage	CH.2	0.852	0.041	0.048	2.938	1.714	212	221	0.7721	0.933
Immunization coverage for DPT	CH.2	0.836	0.041	0.049	2.695	1.642	211	220	0.7553	0.916
Measles immunization coverage	CH.2	0.741	0.042	0.057	2.029	1.424	208	217	0.6579	0.824
Fully immunized children	CH.2	0.669	0.046	0.068	2.072	1.439	209	218	0.5794	0.759
Antibiotic treatment of suspected pneumonia	CH.7	*	*	*	*	*	*	35	*	*
Received ORT or increased fluids and continued feeding	CH.5	0.421	0.090	0.213	1.825	1.351	52	54	0.243	0.600
Support for learning	CD.1	0.847	0.024	0.029	4.615	2.148	1020	1008	0.800	0.895
Birth registration	CP.1	0.991	0.006	0.006	4.143	2.035	1020	1008	0.979	1.003

**Table SE.4:
Sampling errors: Rural**

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft) and confidence intervals for selected indicators, BIH, 2006

	Table	Value (r)	Standard error (se)	Coefficient of variation (se/r)	Design effect (deff)	Square root of design effect (deft)	Weighted count	Unweighted count	Confidence limits	
									r - 2se	r + 2se
HOUSEHOLDS										
Child discipline	CP.4	0.355	0.023	0.065	4.408	2.099	1933	1137	0.309	0.400
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.984	0.005	0.005	5.292	2.300	3554	11265	0.974	0.993
Use of improved sanitation facilities	EN.5	0.898	0.011	0.012	4.590	2.142	3554	11265	0.877	0.919
Net primary school attendance rate	ED.3	0.988	0.003	0.003	1.333	1.155	1302	1560	0.981	0.994
Net secondary school attendance rate	ED.4	0.739	0.026	0.035	1.614	1.270	576	489	0.688	0.791
Primary completion rate	ED.6	0.831	0.045	0.054	1.799	1.341	140	131	0.742	0.920
Child labour	CP.2	0.064	0.012	0.188	4.419	2.102	1906	1449	0.040	0.087
Prevalence of orphans	HA.10	0.047	0.007	0.139	4.162	2.040	4464	2539	0.034	0.060
WOMEN										
Skilled attendant at delivery	RH.5	0.996	0.003	0.003	2.008	1.417	813	324	0.990	1.000
Antenatal care	RH.3	0.995	0.002	0.002	0.805	0.897	813	324	0.991	0.999
Contraceptive prevalence	RH.1	0.3928	0.0233	0.0592121	5.61855	2.370348	2542	2060	0.3471	0.4384
Adult literacy	ED.8	0.885	0.018	0.021	2.649	1.628	862	871	0.849	0.921
Marriage before age 18	CP.5	0.131	0.010	0.073	2.262	1.504	2925	2675	0.112	0.150
Comprehensive knowledge about HIV prevention among young people	HA.3	0.362	0.019	0.051	4.549	2.133	3212	3055	0.326	0.399
Condom use with non-regular partners	HA.9	0.638	0.104	0.163	1.737	1.318	39	66	0.429	0.846
Age at first sex among young people	HA.8	0.008	0.006	0.792	1.237	1.112	287	380	0.000	0.019
Attitude towards people with HIV/AIDS	HA.5	0.337	0.018	0.055	4.467	2.114	3108	2957	0.301	0.374
Women who have been tested for HIV	HA.6	0.020	0.004	0.187	2.213	1.488	3212	3055	0.013	0.028
Knowledge of mother- to-child transmission of HIV	HA.4	0.673	0.021	0.031	6.075	2.465	3212	3055	0.632	0.715
UNDER-5s										
Underweight prevalence	NU.1	0.011	0.002	0.212	1.072	1.036	2069	2060	0.0067	0.016
Tuberculosis immunization coverage	CH.2	0.963	0.011	0.012	1.589	1.260	414	442	0.941	0.986
Polio immunization coverage	CH.2	0.870	0.022	0.026	1.936	1.391	414	437	0.8254	0.914
Immunization coverage for DPT	CH.2	0.875	0.022	0.025	1.954	1.398	411	433	0.8309	0.919
Measles immunization coverage	CH.2	0.800	0.026	0.033	1.819	1.349	401	427	0.7484	0.852
Fully immunized children	CH.2	0.764	0.027	0.036	1.779	1.334	404	431	0.7102	0.818
Antibiotic treatment of suspected pneumonia	CH.7	0.719	0.077	0.107	2.886	1.699	95	90	0.566	0.873
Received ORT or increased fluids and continued feeding	CH.5	0.583	0.049	0.084	0.969	0.984	103	97	0.486	0.680
Support for learning	CD.1	0.713	0.025	0.036	6.882	2.623	2167	2179	0.663	0.763
Birth registration	CP.1	0.997	0.001	0.001	1.286	1.134	2167	2179	0.995	1.000

**Table SE.5:
Sampling errors: FBIH**

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deff) and confidence intervals for selected indicators, BIH, 2006

Table	Value (r)	Standard error (se)	Coefficient of variation (se/r)	Design effect (deff)	Square root of design effect (deff)	Weighted count	Unweighted count	Confidence limits		
								r - 2se	r + 2se	
HOUSEHOLDS										
Child discipline	CP.4	0.336	0.024	0.071	4.922	2	1893	1166	0.289	0.383
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.995	0.002	0.002	4.280	2.069	3413	10718	0.990	1.000
Use of improved sanitation facilities	EN.5	0.930	0.010	0.011	5.190	2.278	3413	10718	0.911	0.950
Net primary school attendance rate	ED.3	0.983	0.004	0.005	1.759	1.326	1320	1531	0.974	0.991
Net secondary school attendance rate	ED.4	0.778	0.024	0.031	1.665	1.290	633	517	0.731	0.824
Primary completion rate	ED.6	0.833	0.046	0.056	1.812	1.346	132	124	0.741	0.924
Child labour	CP.2	0.058	0.012	0.205	4.759	2.182	1808	1453	0.035	0.081
Prevalence of orphans	HA.10	0.046	0.006	0.132	3.686	1.920	4255	2530	0.034	0.059
WOMEN										
Skilled attendant at delivery	RH.5	0.995	0.004	0.004	1.750	1.323	746	290	0.988	1.000
Antenatal care	RH.3	0.986	0.008	0.008	3.620	1.903	746	290	0.970	1.000
Contraceptive prevalence	RH.1	0.336	0.023	0.067	5.589	2.364	2441	2030	0.291	0.380
Adult literacy	ED.8	0.817	0.022	0.027	2.669	1.634	823	912	0.774	0.860
Marriage before age 18	CP.5	0.098	0.008	0.083	2.188	1.479	2875	2769	0.082	0.114
Comprehensive knowledge about HIV prevention among young people	HA.3	0.416	0.020	0.047	5.029	2.243	3175	3199	0.378	0.455
Condom use with non-regular partners	HA.9	*	*	*	*	*	*	44	*	*
Age at first sex among young people	HA.8	0.003	0.002	0.610	0.320	0.566	300	430	0.000	0.006
Attitude towards people with HIV/AIDS	HA.5	0.378	0.020	0.052	5.192	2.279	3076	3106	0.339	0.417
Women who have been tested for HIV	HA.6	0.0163	0.0032	0.1978152	2.0682	1.438122	3175	3199	0.0099	0.0226
Knowledge of mother- to-child transmission of HIV	HA.4	0.703	0.019	0.027	5.700	2.387	3175	3199	0.666	0.741
UNDER-5s										
Underweight prevalence	NU.1	0.021	0.004	0.209	1.849	1.360	1953	1929	0.012	0.030
Tuberculosis immunization coverage	CH.2	0.961	0.011	0.011	1.322	1.150	406	427	0.939	0.982
Polio immunization coverage	CH.2	0.833	0.027	0.032	2.214	1.488	404	425	0.780	0.886
Immunization coverage for DPT	CH.2	0.830	0.027	0.032	2.169	1.473	403	424	0.778	0.883
Measles immunization coverage	CH.2	0.763	0.029	0.038	1.941	1.393	403	423	0.707	0.820
Fully immunized children	CH.2	0.712	0.031	0.044	2.063	1.436	404	425	0.650	0.774
Antibiotic treatment of suspected pneumonia	CH.7	0.815	0.040	0.050	1.066	1.033	102	91	0.735	0.895
Received ORT or increased fluids and continued feeding	CH.5	0.542	0.063	0.117	1.668	1.291	108	101	0.416	0.667
Support for learning	CD.1	0.702	0.027	0.039	7.330	2.707	2059	2083	0.649	0.755
Birth registration	CP.1	0.994	0.003	0.003	3.294	1.815	2059	2083	0.987	1.000

**Table SE.6:
Sampling errors: RS**

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deff) and confidence intervals for selected indicators, BiH, 2006

Table	Value (r)	Standard error (se)	Coefficient of variation (se/r)	Design effect (deff)	Square root of design effect (deff)	Weighted count	Unweighted count	Confidence limits		
								r - 2se	r + 2se	
HOUSEHOLDS										
Child discipline	CP.4	0.399	0.035	0.088	4.740	2.177	955	556	0.330	0.469
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.973	0.008	0.008	5.007	2.238	2019	6324	0.957	0.989
Use of improved sanitation facilities	EN.5	0.926	0.012	0.013	4.206	2.051	2019	6324	0.902	0.949
Net primary school attendance rate	ED.3	0.987	0.005	0.005	1.692	1.301	619	708	0.977	0.998
Net secondary school attendance rate	ED.4	0.831	0.027	0.032	1.160	1.077	286	221	0.778	0.883
Primary completion rate	ED.6	0.922	0.041	0.044	1.531	1.237	74	61	0.841	1.003
Child labour	CP.2	0.047	0.014	0.306	3.993	1.998	913	690	0.019	0.075
Prevalence of orphans	HA.10	0.043	0.011	0.253	5.959	2.441	2175	1217	0.021	0.064
WOMEN										
Skilled attendant at delivery	RH.5	0.998	0.002	0.002	0.812	0.901	408	157	0.994	1.000
Antenatal care	RH.3	0.994	0.003	0.004	0.821	0.906	408	157	0.987	1.000
Contraceptive prevalence	RH.1	0.407	0.033	0.082	5.772	2.403	1275	1052	0.342	0.472
Adult literacy	ED.8	0.906	0.022	0.025	2.328	1.526	410	432	0.862	0.950
Marriage before age 18	CP.5	0.107	0.013	0.120	2.514	1.585	1493	1399	0.082	0.132
Comprehensive knowledge about HIV prevention among young people	HA.3	0.352	0.028	0.081	5.650	2.377	1620	1590	0.296	0.408
Condom use with non-regular partners	HA.9	0.725	0.092	0.126	1.346	1.160	34	57	0.541	0.909
Age at first sex among young people	HA.8	0.013	0.012	0.875	1.350	1.162	127	191	0.000	0.036
Attitude towards people with HIV/AIDS	HA.5	0.330	0.025	0.075	4.355	2.087	1594	1565	0.282	0.379
Women who have been tested for HIV	HA.6	0.036	0.007	0.181	1.951	1.397	1620	1590	0.023	0.049
Knowledge of mother- to-child transmission of HIV	HA.4	0.660	0.031	0.048	6.972	2.641	1620	1590	0.598	0.722
UNDER-5s										
Underweight prevalence	NU.1	0.003	0.002	0.486	0.799	0.894	994	1034	0.000	0.007
Tuberculosis immunization coverage	CH.2	0.970	0.015	0.016	1.671	1.293	199	224	0.941	1.000
Polio immunization coverage	CH.2	0.915	0.032	0.035	2.749	1.658	199	218	0.852	0.978
Immunization coverage for DPT	CH.2	0.914	0.032	0.035	2.756	1.660	197	215	0.850	0.978
Measles immunization coverage	CH.2	0.800	0.039	0.049	1.848	1.359	186	208	0.723	0.876
Fully immunized children	CH.2	0.757	0.041	0.054	1.806	1.344	187	210	0.676	0.837
Antibiotic treatment of suspected pneumonia	CH.7	*	*	*	*	*	*	34	*	*
Received ORT or increased fluids and continued feeding	CH.5	*	*	*	*	*	*	41	*	*
Support for learning	CD.1	0.849	0.020	0.024	3.299	1.816	1071	1031	0.809	0.889
Birth registration	CP.1	0.998	0.001	0.001	0.849	0.922	1071	1031	0.996	1.000