
APPENDIX C: ESTIMATES OF SAMPLING ERRORS

The sample of respondents selected in The Gambia Multiple Indicator Cluster Survey is only one of the samples that could have been selected from the same population, using the same design and size. Each of these samples would yield results that differ somewhat from the results of the actual sample selected. Sampling errors are a measure of the variability between all possible samples. The extent of variability is not known exactly, but can be estimated statistically from the survey results.

The following sampling error measures are presented in this appendix for each of the selected indicators:

- Standard error (*se*): Sampling errors are usually measured in terms of standard errors for particular indicators (means, proportions etc). Standard error is the square root of the variance. The Taylor linearization method is used for the estimation of standard errors.
- Coefficient of variation (*se/r*) is the ratio of the standard error to the value of the indicator
- Design effect (*deff*) is the ratio of the actual variance of an indicator, under the sampling method used in the survey, to the variance calculated under the assumption of simple random sampling. The square root of the design effect (*deft*) is used to show the efficiency of the sample design. A *deft* value of 1.0 indicates that the sample design is as efficient as a simple random sample, while a *deft* value above 1.0 indicates the increase in the standard error due to the use of a more complex sample design.
- Confidence limits are calculated to show the interval within which the true value for the population can be reasonably assumed to fall. For any given statistic calculated from the survey, the value of that statistics will fall within a range of plus or minus two times the standard error ($p + 2.se$ or $p - 2.se$) of the statistic in 95 per cent of all possible samples of identical size and design.

For the calculation of sampling errors from the MICS data, the SPSS Version 14 Complex Samples module has been used. The results are shown in the tables that follow. In addition to the sampling error measures described above, the tables also include weighted and unweighted counts of denominators for each indicator.

Sampling errors are calculated for indicators of primary interest, for the national total, for the regions, and for the urban and rural areas. Three of the selected indicators are based on households, eight are based on household members, 13 are based on women, and 15 are based on children under 5. All indicators presented here are in the form of proportions. Table SE 1-SE 12 shows the list of indicators for which sampling errors are calculated, including the base population (denominator) for each indicator. Tables SE 2 to SE 12 show the calculated sampling errors.

Table SE.1: Indicators selected for sampling error calculations

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

MICS Indicator		Base Population
HOUSEHOLDS		
30	Household availability of insecticide treated nets	All households
41	Iodized salt consumption	All 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
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
60	Adult literacy	Women aged 15-24 years
63	Prevalence of female genital mutilation/cutting (FGM/C)	Women aged 15-49 years
67	Marriage before age 18	Women aged 20-49 years
70	Polygyny	Women aged 15-49 years currently married or in union
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
-	Acute respiratory infection in last two weeks	Children under age 5
22	Antibiotic treatment of suspected pneumonia	Children under age 5 with suspected pneumonia in the last 2 weeks
-	Diarrhoea in last two weeks	Children under age 5
35	Received ORT or increased fluids and continued feeding	Children under age 5 with diarrhoea in the last 2 weeks
37	Under-fives sleeping under insecticide treated nets	Children under age 5
-	Fever in last two weeks	Children under age 5
39	Antimalarial treatment	Children under age 5 with fever 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: The Gambia

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft) and confidence intervals for selected indicators, The Gambia, 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										
Household availability of ITNs	CH.10	0.495	0.009	0.019	2.041	1.429	6071	6071	0.477	0.513
Iodized salt consumption	NU.5	0.071	0.005	0.071	2.145	1.465	5512	5524	0.061	0.081
Child discipline	CP.4	0.842	0.006	0.007	1.386	1.177	4709	4736	0.830	0.855
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.851	0.013	0.015	7.977	2.824	44877	45721	0.825	0.877
Use of improved sanitation facilities	EN.5	0.842	0.008	0.010	2.999	1.732	44877	45721	0.826	0.858
Net primary school attendance rate	ED.3	0.609	0.012	0.020	4.971	2.230	7787	7967	0.585	0.633
Net secondary school attendance rate	ED.4	0.365	0.011	0.031	3.803	1.950	6642	6774	0.342	0.388
Primary completion rate	ED.6	0.736	0.015	0.020	1.526	1.235	1311	1338	0.706	0.765
Child labour	CP.2	0.247	0.005	0.022	2.161	1.470	13409	13729	0.236	0.258
Prevalence of orphans	HA.10	0.087	0.003	0.037	3.018	1.737	22859	23379	0.080	0.093
WOMEN										
Skilled attendant at delivery	RH.5	0.568	0.012	0.020	1.675	1.294	3070	3093	0.545	0.591
Antenatal care	RH.3	0.978	0.002	0.002	0.791	0.889	3070	3093	0.973	0.982
Adult literacy	ED.8	0.431	0.012	0.027	2.382	1.543	4306	4290	0.407	0.454
Prevalence of female genital mutilation/cutting (FGM/C)	CP.7	0.783	0.011	0.014	6.962	2.639	9982	9982	0.761	0.805
Marriage before age 18	CP.5	0.487	0.008	0.016	1.785	1.336	7700	7705	0.472	0.502
Polygyny	CP.5	0.436	0.008	0.019	1.839	1.356	6839	6904	0.419	0.452
Comprehensive knowledge about HIV prevention among young people	HA.3	0.393	0.009	0.023	1.490	1.221	4290	4306	0.374	0.411
Condom use with non-regular partners	HA.9	0.543	0.024	0.044	0.675	0.822	310	297	0.495	0.590
Age at first sex among young people	HA.8	0.039	0.005	0.124	1.442	1.201	2282	2277	0.030	0.049
Attitude towards people with HIV/AIDS	HA.5	0.163	0.005	0.030	1.783	1.335	9907	9906	0.154	0.173
Women who have been tested for HIV	HA.6	0.136	0.005	0.035	1.951	1.397	9982	9982	0.127	0.146
Knowledge of mother- to-child transmission of HIV	HA.4	0.667	0.006	0.008	1.437	1.199	9982	9982	0.656	0.678

	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
UNDER-5s										
Underweight prevalence	NU.1	0.203	0.006	0.028	1.277	1.130	6390	6390	0.192	0.214
Tuberculosis immunization coverage	CH.2	0.987	0.003	0.003	0.732	0.856	1486	1481	0.982	0.992
Polio immunization coverage	CH.2	0.870	0.008	0.009	0.855	0.925	1486	1481	0.854	0.886
Immunization coverage for DPT	CH.2	0.863	0.010	0.011	1.132	1.064	1486	1481	0.844	0.882
Measles immunization coverage	CH.2	0.920	0.008	0.008	1.177	1.085	1486	1481	0.904	0.935
Fully immunized children	CH.2	0.742	0.012	0.016	1.062	1.031	1486	1481	0.718	0.765
Acute respiratory infection in last two weeks	CH.6	0.056	0.003	0.056	1.231	1.110	6543	6543	0.050	0.062
Antibiotic treatment of suspected pneumonia	CH.7	0.613	0.028	0.045	1.170	1.082	366	362	0.558	0.669
Diarrhoea in last two weeks	CH.4	0.191	0.006	0.030	1.385	1.177	6543	6543	0.180	0.203
Received ORT or increased fluids and continued feeding	CH.5	0.379	0.018	0.048	1.773	1.331	1251	1260	0.343	0.416
Under-fives sleeping under insecticide treated nets	CH.11	0.490	0.013	0.026	4.263	2.065	6543	6543	0.465	0.516
Fever in last two weeks	CH.12	0.084	0.004	0.047	1.299	1.140	6543	6543	0.076	0.092
Antimalarial treatment	CH.12	0.524	0.021	0.040	0.968	0.984	549	538	0.481	0.566
Support for learning	CD.1	0.469	0.008	0.017	1.612	1.270	6543	6543	0.454	0.485
Birth registration	CP.1	0.551	0.011	0.020	3.047	1.746	6543	6543	0.529	0.572

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, The Gambia, 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										
Household availability of ITNs	CH.10	0.340	0.012	0.037	1.989	1.410	2930	2890	0.315	0.364
Iodized salt consumption	NU.5	0.061	0.008	0.129	2.676	1.636	2527	2498	0.045	0.076
Child discipline	CP.4	0.844	0.009	0.010	1.142	1.069	2010	1988	0.826	0.861
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.912	0.010	0.012	3.952	1.988	17448	17303	0.891	0.933
Use of improved sanitation facilities	EN.5	0.933	0.008	0.009	3.137	1.771	17448	17303	0.917	0.950
Net primary school attendance rate	ED.3	0.736	0.011	0.015	1.531	1.237	2572	2563	0.714	0.757
Net secondary school attendance rate	ED.4	0.524	0.013	0.025	1.750	1.323	2579	2574	0.498	0.550
Primary completion rate	ED.6	0.843	0.019	0.023	1.310	1.144	462	460	0.805	0.882
Child labour	CP.2	0.169	0.008	0.045	1.848	1.359	4482	4480	0.154	0.184
Prevalence of orphans	HA.10	0.086	0.005	0.057	2.458	1.568	7993	7956	0.076	0.096
WOMEN										
Skilled attendant at delivery	RH.5	0.830	0.012	0.015	1.100	1.049	1037	1020	0.806	0.855
Antenatal care	RH.3	0.975	0.005	0.005	0.842	0.918	1037	1020	0.966	0.984
Adult literacy	ED.8	0.584	0.014	0.025	1.586	1.259	1906	1877	0.555	0.613
Prevalence of female genital mutilation/cutting (FGM/C)	CP.7	0.722	0.013	0.019	3.779	1.944	4251	4189	0.695	0.749
Marriage before age 18	CP.5	0.359	0.011	0.030	1.597	1.264	3255	3204	0.337	0.380
Polygyny	CP.5	0.335	0.011	0.031	1.213	1.101	2471	2438	0.314	0.356
Comprehensive knowledge about HIV prevention among young people	HA.3	0.424	0.014	0.034	1.557	1.248	1877	1906	0.396	0.453
Condom use with non-regular partners	HA.9	0.538	0.031	0.057	0.695	0.834	190	183	0.477	0.600
Age at first sex among young people	HA.8	0.020	0.005	0.256	1.294	1.137	996	985	0.010	0.030
Attitude towards people with HIV/AIDS	HA.5	0.185	0.009	0.048	2.182	1.477	4210	4149	0.167	0.203
Women who have been tested for HIV	HA.6	0.166	0.008	0.048	1.932	1.390	4251	4189	0.150	0.182
Knowledge of mother- to-child transmission of HIV	HA.4	0.586	0.010	0.017	1.732	1.316	4251	4189	0.566	0.606

	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
UNDER-5s										
Underweight prevalence	NU.1	0.147	0.008	0.053	1.072	1.035	2272	2178	0.132	0.163
Tuberculosis immunization coverage	CH.2	0.973	0.006	0.006	0.623	0.789	496	474	0.962	0.985
Polio immunization coverage	CH.2	0.838	0.014	0.017	0.716	0.846	496	474	0.809	0.866
Immunization coverage for DPT	CH.2	0.859	0.017	0.019	1.087	1.043	496	474	0.826	0.892
Measles immunization coverage	CH.2	0.899	0.015	0.017	1.188	1.090	496	474	0.869	0.930
Fully immunized children	CH.2	0.705	0.020	0.029	0.949	0.974	496	474	0.664	0.746
Acute respiratory infection in last two weeks	CH.6	0.055	0.006	0.100	1.289	1.136	2303	2202	0.044	0.067
Antibiotic treatment of suspected pneumonia	CH.7	0.597	0.042	0.070	0.869	0.932	128	120	0.513	0.681
Diarrhoea in last two weeks	CH.4	0.157	0.009	0.060	1.467	1.211	2303	2202	0.138	0.176
Received ORT or increased fluids and continued feeding	CH.5	0.319	0.027	0.084	1.144	1.070	361	344	0.265	0.373
Under-fives sleeping under insecticide treated nets	CH.11	0.382	0.016	0.043	2.527	1.590	2202	2303	0.349	0.415
Fever in last two weeks	CH.12	0.095	0.007	0.071	1.169	1.081	2303	2202	0.081	0.108
Antimalarial treatment	CH.12	0.537	0.034	0.064	0.950	0.974	218	201	0.468	0.605
Support for learning	CD.1	0.481	0.013	0.027	1.539	1.241	2303	2202	0.455	0.508
Birth registration	CP.1	0.571	0.014	0.025	1.857	1.363	2303	2202	0.542	0.600

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, The Gambia, 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										
Household availability of ITNs	CH.10	0.640	0.014	0.021	2.521	1.588	3141	3181	0.613	0.667
Iodized salt consumption	NU.5	0.080	0.007	0.083	1.799	1.341	2985	3026	0.067	0.094
Child discipline	CP.4	0.841	0.009	0.010	1.566	1.251	2699	2748	0.824	0.859
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.813	0.020	0.024	7.967	2.823	27429	28418	0.774	0.852
Use of improved sanitation facilities	EN.5	0.784	0.012	0.016	2.773	1.665	27429	28418	0.760	0.808
Net primary school attendance rate	ED.3	0.546	0.016	0.030	5.822	2.413	5215	5404	0.514	0.579
Net secondary school attendance rate	ED.4	0.264	0.014	0.053	4.275	2.068	4064	4200	0.236	0.293
Primary completion rate	ED.6	0.677	0.020	0.030	1.626	1.275	848	878	0.637	0.717
Child labour	CP.2	0.286	0.007	0.025	2.364	1.537	8928	9249	0.272	0.301
Prevalence of orphans	HA.10	0.087	0.004	0.048	3.314	1.820	14865	15423	0.079	0.095
WOMEN										
Skilled attendant at delivery	RH.5	0.434	0.015	0.035	1.922	1.386	2033	2073	0.404	0.464
Antenatal care	RH.3	0.979	0.003	0.003	0.755	0.869	2033	2073	0.973	0.984
Adult literacy	ED.8	0.309	0.015	0.049	2.591	1.610	2400	2413	0.278	0.339
Prevalence of female genital mutilation/cutting (FGM/C)	CP.7	0.828	0.016	0.019	10.377	3.221	5731	5793	0.796	0.860
Marriage before age 18	CP.5	0.581	0.009	0.016	1.648	1.284	4444	4501	0.562	0.600
Polygyny	CP.5	0.493	0.010	0.021	1.928	1.389	4368	4466	0.472	0.513
Comprehensive knowledge about HIV prevention among young people	HA.3	0.368	0.011	0.031	1.339	1.157	2413	2400	0.345	0.390
Condom use with non-regular partners	HA.9	0.550	0.037	0.068	0.641	0.801	120	114	0.475	0.625
Age at first sex among young people	HA.8	0.055	0.008	0.141	1.478	1.216	1286	1292	0.039	0.070
Attitude towards people with HIV/AIDS	HA.5	0.147	0.005	0.037	1.362	1.167	5697	5757	0.136	0.158
Women who have been tested for HIV	HA.6	0.114	0.006	0.050	1.852	1.361	5731	5793	0.103	0.126
Knowledge of mother-to-child transmission of HIV	HA.4	0.727	0.007	0.009	1.235	1.111	5731	5793	0.714	0.740

	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
UNDER-5s										
Underweight prevalence	NU.1	0.234	0.008	0.032	1.333	1.155	4119	4212	0.219	0.249
Tuberculosis immunization coverage	CH.2	0.993	0.002	0.002	0.921	0.960	990	1007	0.988	0.998
Polio immunization coverage	CH.2	0.886	0.010	0.011	0.939	0.969	990	1007	0.867	0.906
Immunization coverage for DPT	CH.2	0.864	0.012	0.013	1.151	1.073	990	1007	0.841	0.888
Measles immunization coverage	CH.2	0.930	0.009	0.009	1.163	1.078	990	1007	0.913	0.947
Fully immunized children	CH.2	0.760	0.014	0.019	1.133	1.065	990	1007	0.732	0.789
Acute respiratory infection in last two weeks	CH.6	0.056	0.004	0.068	1.193	1.092	4240	4341	0.048	0.064
Antibiotic treatment of suspected pneumonia	CH.7	0.622	0.036	0.057	1.300	1.140	238	242	0.551	0.694
Diarrhoea in last two weeks	CH.4	0.210	0.007	0.034	1.309	1.144	4240	4341	0.196	0.224
Received ORT or increased fluids and continued feeding	CH.5	0.404	0.023	0.056	1.961	1.400	890	916	0.358	0.449
Under-fives sleeping under insecticide treated nets	CH.11	0.549	0.018	0.033	5.597	2.366	4341	4240	0.513	0.584
Fever in last two weeks	CH.12	0.078	0.005	0.060	1.322	1.150	4240	4341	0.069	0.087
Antimalarial treatment	CH.12	0.515	0.026	0.051	0.918	0.958	331	337	0.463	0.568
Support for learning	CD.1	0.463	0.010	0.021	1.690	1.300	4240	4341	0.443	0.483
Birth registration	CP.1	0.539	0.015	0.027	3.743	1.935	4240	4341	0.510	0.569

Table SE.5: Sampling errors: Banjul

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft) and confidence intervals for selected indicators, The Gambia, 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										
Household availability of ITNs	CH.10	0.286	0.040	0.142	2.129	1.459	308	266	0.205	0.367
Iodized salt consumption	NU.5	0.015	0.011	0.749	1.699	1.303	230	198	0.000	0.038
Child discipline	CP.4	0.927	0.018	0.020	0.744	0.862	175	151	0.891	0.964
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.808	0.041	0.050	2.805	1.675	1507	1300	0.727	0.889
Use of improved sanitation facilities	EN.5	0.966	0.015	0.015	1.718	1.311	1507	1300	0.937	0.995
Net primary school attendance rate	ED.3	0.770	0.029	0.037	0.744	0.863	187	161	0.713	0.828
Net secondary school attendance rate	ED.4	0.560	0.048	0.085	1.545	1.243	1948	168	0.464	0.655
Primary completion rate	ED.6	0.913	0.063	0.068	1.083	1.041	27	23	0.788	1.000
Child labour	CP.2	0.115	0.022	0.192	1.291	1.136	313	270	0.071	0.159
Prevalence of orphans	HA.10	0.084	0.022	0.263	3.318	1.821	608	524	0.040	0.128
WOMEN										
Skilled attendant at delivery	RH.5	0.947	0.016	0.017	0.398	0.631	75	76	0.915	0.980
Antenatal care	RH.3	1.000	0.000	0.000	.	.	75	76	1.000	1.000
Adult literacy	ED.8	0.652	0.051	0.079	1.796	1.340	154	155	0.549	0.755
Prevalence of female genital mutilation/cutting (FGM/C)	CP.7	0.448	0.036	0.081	1.731	1.316	324	326	0.375	0.520
Marriage before age 18	CP.5	0.299	0.025	0.084	0.723	0.851	242	244	0.249	0.349
Polygyny	CP.5	0.159	0.028	0.178	1.016	1.008	169	170	0.102	0.216
Comprehensive knowledge about HIV prevention among young people	HA.3	0.374	0.042	0.111	1.136	1.066	155	154	0.291	0.457
Condom use with non-regular partners	HA.9	0.538	0.006	0.011	0.002	0.041	13	13	0.527	0.550
Age at first sex among young people	HA.8	0.000	0.000	.	.	.	81	82	0.000	0.000
Attitude towards people with HIV/AIDS	HA.5	0.131	0.009	0.067	0.219	0.468	318	320	0.114	0.149
Women who have been tested for HIV	HA.6	0.092	0.018	0.191	1.198	1.094	324	326	0.057	0.127
Knowledge of mother- to-child transmission of HIV	HA.4	0.543	0.037	0.068	1.779	1.334	324	326	0.469	0.617

	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
UNDER-5s										
Underweight prevalence	NU.1	0.175	0.024	0.137	0.631	0.795	196	160	0.127	0.223
Tuberculosis immunization coverage	CH.2	0.977	0.001	0.001	0.001	0.033	53	43	0.975	0.978
Polio immunization coverage	CH.2	0.860	0.041	0.047	0.575	0.758	53	43	0.779	0.942
Immunization coverage for DPT	CH.2	0.930	0.032	0.034	0.655	0.809	53	43	0.867	0.994
Measles immunization coverage	CH.2	0.907	0.052	0.057	1.351	1.162	53	43	0.803	1.000
Fully immunized children	CH.2	0.767	0.062	0.081	0.905	0.951	53	43	0.643	0.891
Acute respiratory infection in last two weeks	CH.6	0.006	0.006	0.942	0.887	0.942	196	160	0.000	0.018
Antibiotic treatment of suspected pneumonia	CH.7	0.000	0.000	.	.	.	1	1	0.000	0.000
Diarrhoea in last two weeks	CH.4	0.144	0.029	0.200	1.067	1.033	196	160	0.086	0.201
Received ORT or increased fluids and continued feeding	CH.5	0.435	0.170	0.392	2.598	1.612	28	23	0.094	0.775
Under-fives sleeping under insecticide treated nets	CH.11	0.425	0.057	0.135	2.127	1.458	196	160	0.311	0.539
Fever in last two weeks	CH.12	0.156	0.028	0.180	0.955	0.977	196	160	0.100	0.213
Antimalarial treatment	CH.12	0.280	0.117	0.416	1.619	1.272	31	25	0.047	0.513
Support for learning	CD.1	0.256	0.032	0.125	0.849	0.922	196	160	0.192	0.320
Birth registration	CP.1	0.769	0.032	0.041	0.892	0.945	196	160	0.706	0.832

Table SE.6: Sampling errors: Kanifing

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft) and confidence intervals for selected indicators, The Gambia, 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										
Household availability of ITNs	CH.10	0.286	0.040	0.142	2.129	1.459	308	266	0.205	0.367
Iodized salt consumption	NU.5	0.015	0.011	0.749	1.699	1.303	230	198	0.000	0.038
Child discipline	CP.4	0.927	0.018	0.020	0.744	0.862	175	151	0.891	0.964
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.808	0.041	0.050	2.805	1.675	1507	1300	0.727	0.889
Use of improved sanitation facilities	EN.5	0.966	0.015	0.015	1.718	1.311	1507	1300	0.937	0.995
Net primary school attendance rate	ED.3	0.770	0.029	0.037	0.744	0.863	187	161	0.713	0.828
Net secondary school attendance rate	ED.4	0.560	0.048	0.085	1.545	1.243	195	168	0.464	0.655
Primary completion rate	ED.6	0.913	0.063	0.068	1.083	1.041	27	23	0.788	1.000
Child labour	CP.2	0.115	0.022	0.192	1.291	1.136	313	270	0.071	0.159
Prevalence of orphans	HA.10	0.084	0.022	0.263	3.318	1.821	608	524	0.040	0.128
WOMEN										
Skilled attendant at delivery	RH.5	0.947	0.016	0.017	0.398	0.631	75	76	0.915	0.980
Antenatal care	RH.3	1.000	0.000	0.000	.	.	75	76	1.000	1.000
Adult literacy	ED.8	0.652	0.051	0.079	1.796	1.340	154	155	0.549	0.755
Prevalence of female genital mutilation/cutting (FGM/C)	CP.7	0.448	0.036	0.081	1.731	1.316	324	326	0.375	0.520
Marriage before age 18	CP.5	0.299	0.025	0.084	0.723	0.851	242	244	0.249	0.349
Polygyny	CP.5	0.159	0.028	0.178	1.016	1.008	169	170	0.102	0.216
Comprehensive knowledge about HIV prevention among young people	HA.3	0.374	0.042	0.111	1.136	1.066	154	155	0.291	0.457
Condom use with non-regular partners	HA.9	0.538	0.006	0.011	0.002	0.041	13	13	0.527	0.550
Age at first sex among young people	HA.8	0.000	0.000	.	.	.	81	82	0.000	0.000
Attitude towards people with HIV/AIDS	HA.5	0.131	0.009	0.067	0.219	0.468	318	320	0.114	0.149
Women who have been tested for HIV	HA.6	0.092	0.018	0.191	1.198	1.094	324	326	0.057	0.127
Knowledge of mother- to-child transmission of HIV	HA.4	0.543	0.037	0.068	1.779	1.334	324	326	0.469	0.617

	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
UNDER-5s										
Underweight prevalence	NU.1	0.175	0.024	0.137	0.631	0.795	196	160	0.127	0.223
Tuberculosis immunization coverage	CH.2	0.977	0.001	0.001	0.001	0.033	53	43	0.975	0.978
Polio immunization coverage	CH.2	0.860	0.041	0.047	0.575	0.758	53	43	0.779	0.942
Immunization coverage for DPT	CH.2	0.930	0.032	0.034	0.655	0.809	53	43	0.867	0.994
Measles immunization coverage	CH.2	0.907	0.052	0.057	1.351	1.162	53	43	0.803	1.000
Fully immunized children	CH.2	0.767	0.062	0.081	0.905	0.951	53	43	0.643	0.891
Acute respiratory infection in last two weeks	CH.6	0.006	0.006	0.942	0.887	0.942	196	160	0.000	0.018
Antibiotic treatment of suspected pneumonia	CH.7	0.000	0.000	.	.	.	1	1	0.000	0.000
Diarrhoea in last two weeks	CH.4	0.144	0.029	0.200	1.067	1.033	196	160	0.086	0.201
Received ORT or increased fluids and continued feeding	CH.5	0.435	0.170	0.392	2.598	1.612	28	23	0.094	0.775
Under-fives sleeping under insecticide treated nets	CH.11	0.425	0.057	0.135	2.127	1.458	196	160	0.311	0.539
Fever in last two weeks	CH.12	0.156	0.028	0.180	0.955	0.977	196	160	0.100	0.213
Antimalarial treatment	CH.12	0.280	0.117	0.416	1.619	1.272	31	25	0.047	0.513
Support for learning	CD.1	0.256	0.032	0.125	0.849	0.922	196	160	0.192	0.320
Birth registration	CP.1	0.769	0.032	0.041	0.892	0.945	196	160	0.706	0.832

Table SE.7: Sampling errors: Brikama

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft) and confidence intervals for selected indicators, The Gambia, 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										
Household availability of ITNs	CH.10	0.562	0.019	0.035	2.525	1.589	1652	1646	0.523	0.601
Iodized salt consumption	NU.5	0.016	0.004	0.273	1.833	1.354	1530	1519	0.007	0.025
Child discipline	CP.4	0.782	0.017	0.022	2.140	1.463	1278	1265	0.748	0.816
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.790	0.021	0.027	4.396	2.097	11132	11048	0.748	0.832
Use of improved sanitation facilities	EN.5	0.940	0.009	0.009	2.336	1.528	11132	11048	0.923	0.958
Net primary school attendance rate	ED.3	0.719	0.016	0.022	2.382	1.544	1938	1915	0.687	0.751
Net secondary school attendance rate	ED.4	0.433	0.017	0.039	2.019	1.421	1724	1718	0.399	0.467
Primary completion rate	ED.6	0.834	0.025	0.030	1.389	1.179	317	315	0.784	0.883
Child labour	CP.2	0.208	0.011	0.052	2.392	1.547	3436	3398	0.187	0.230
Prevalence of orphans	HA.10	0.096	0.006	0.061	2.224	1.491	5645	5583	0.084	0.108
WOMEN										
Skilled attendant at delivery	RH.5	0.653	0.020	0.030	1.168	1.081	750	695	0.613	0.692
Antenatal care	RH.3	0.985	0.004	0.004	0.837	0.915	750	695	0.976	0.993
Adult literacy	ED.8	0.525	0.018	0.034	1.364	1.168	1154	1083	0.489	0.560
Prevalence of female genital mutilation/cutting (FGM/C)	CP.7	0.870	0.016	0.018	5.153	2.270	2549	2387	0.838	0.901
Marriage before age 18	CP.5	0.431	0.016	0.037	1.915	1.384	1930	1804	0.398	0.463
Polygyny	CP.5	0.372	0.017	0.044	1.810	1.346	1661	1548	0.339	0.405
Comprehensive knowledge about HIV prevention among young people	HA.3	0.494	0.016	0.033	1.138	1.067	1154	1083	0.462	0.527
Condom use with non-regular partners	HA.9	0.480	0.044	0.092	0.607	0.779	87	79	0.392	0.569
Age at first sex among young people	HA.8	0.042	0.011	0.253	1.639	1.280	619	583	0.021	0.064
Attitude towards people with HIV/AIDS	HA.5	0.142	0.010	0.070	1.943	1.394	2545	2384	0.122	0.162
Women who have been tested for HIV	HA.6	0.188	0.011	0.057	1.823	1.350	2549	2387	0.167	0.210
Knowledge of mother- to-child transmission of HIV	HA.4	0.775	0.011	0.014	1.525	1.235	2549	2387	0.754	0.796

	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
UNDER-5s										
Underweight prevalence	NU.1	0.168	0.012	0.070	1.355	1.164	1413	1365	0.144	0.191
Tuberculosis immunization coverage	CH.2	0.980	0.006	0.006	0.633	0.796	347	336	0.968	0.993
Polio immunization coverage	CH.2	0.834	0.021	0.025	1.068	1.033	347	336	0.792	0.876
Immunization coverage for DPT	CH.2	0.887	0.018	0.020	1.055	1.027	347	336	0.851	0.922
Measles immunization coverage	CH.2	0.915	0.017	0.019	1.241	1.114	347	336	0.881	0.949
Fully immunized children	CH.2	0.725	0.027	0.037	1.218	1.104	347	336	0.672	0.779
Acute respiratory infection in last two weeks	CH.6	0.044	0.005	0.120	0.899	0.948	1425	1376	0.033	0.054
Antibiotic treatment of suspected pneumonia	CH.7	0.636	0.039	0.061	0.378	0.615	62	59	0.558	0.714
Diarrhoea in last two weeks	CH.4	0.155	0.011	0.068	1.166	1.080	1425	1376	0.134	0.176
Received ORT or increased fluids and continued feeding	CH.5	0.404	0.028	0.070	0.691	0.831	221	211	0.348	0.460
Under-fives sleeping under insecticide treated nets	CH.11	0.623	0.021	0.034	2.660	1.631	1425	1376	0.580	0.666
Fever in last two weeks	CH.12	0.077	0.010	0.124	1.767	1.329	1425	1376	0.058	0.096
Antimalarial treatment	CH.12	0.650	0.039	0.061	0.701	0.837	110	104	0.571	0.728
Support for learning	CD.1	0.442	0.018	0.041	1.806	1.344	1425	1376	0.406	0.478
Birth registration	CP.1	0.558	0.026	0.047	3.829	1.957	1425	1376	0.506	0.611

Table SE.8: Sampling errors: Mansakonko

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deff) and confidence intervals for selected indicators, The Gambia, 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										
Household availability of ITNs	CH.10	0.764	0.030	0.039	1.784	1.336	3572	361	0.704	0.824
Iodized salt consumption	NU.5	0.023	0.007	0.316	0.787	0.887	328	331	0.009	0.038
Child discipline	CP.4	0.878	0.017	0.019	0.831	0.912	304	307	0.844	0.912
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.826	0.086	0.104	18.655	4.319	2965	2977	0.654	0.999
Use of improved sanitation facilities	EN.5	0.655	0.030	0.046	1.432	1.197	2965	2977	0.595	0.715
Net primary school attendance rate	ED.3	0.548	0.077	0.141	15.550	3.943	648	647	0.394	0.703
Net secondary school attendance rate	ED.4	0.272	0.066	0.243	10.699	3.271	487	488	0.140	0.404
Primary completion rate	ED.6	0.857	0.052	0.061	2.337	1.529	105	105	0.752	0.962
Child labour	CP.2	0.324	0.027	0.083	3.545	1.883	1064	1064	0.270	0.378
Prevalence of orphans	HA.10	0.128	0.013	0.101	2.551	1.597	1701	1704	0.102	0.153
WOMEN										
Skilled attendant at delivery	RH.5	0.465	0.055	0.118	2.137	1.462	167	179	0.356	0.574
Antenatal care	RH.3	0.972	0.009	0.009	0.479	0.692	167	179	0.955	0.989
Adult literacy	ED.8	0.363	0.074	0.203	5.257	2.293	207	225	0.216	0.511
Prevalence of female genital mutilation/cutting (FGM/C)	CP.7	0.959	0.016	0.017	3.798	1.949	531	573	0.926	0.991
Marriage before age 18	CP.5	0.583	0.030	0.052	1.634	1.278	407	439	0.522	0.643
Polygyny	CP.5	0.514	0.025	0.048	1.017	1.008	390	420	0.464	0.563
Comprehensive knowledge about HIV prevention among young people	HA.3	0.319	0.045	0.142	2.125	1.458	207	255	0.228	0.409
Condom use with non-regular partners	HA.9	0.854	0.072	0.084	0.533	0.730	12	14	0.711	0.997
Age at first sex among young people	HA.8	0.039	0.033	0.855	3.911	1.978	124	134	0.000	0.105
Attitude towards people with HIV/AIDS	HA.5	0.220	0.026	0.120	2.320	1.523	527	569	0.167	0.273
Women who have been tested for HIV	HA.6	0.072	0.012	0.170	1.287	1.134	531	573	0.048	0.097
Knowledge of mother- to-child transmission of HIV	HA.4	0.727	0.012	0.017	0.438	0.661	531	573	0.702	0.751

	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
UNDER-5s										
Underweight prevalence	NU.1	0.270	0.022	0.081	0.970	0.985	404	397	0.226	0.313
Tuberculosis immunization coverage	CH.2	1.000	0.000	0.000	.	.	85	83	1.000	1.000
Polio immunization coverage	CH.2	0.903	0.030	0.033	0.839	0.916	85	83	0.843	0.963
Immunization coverage for DPT	CH.2	0.903	0.030	0.033	0.839	0.916	85	83	0.843	0.963
Measles immunization coverage	CH.2	0.977	0.016	0.017	0.966	0.983	85	83	0.944	1.000
Fully immunized children	CH.2	0.867	0.033	0.038	0.760	0.872	85	83	0.802	0.932
Acute respiratory infection in last two weeks	CH.6	0.040	0.010	0.251	1.055	1.027	406	399	0.020	0.061
Antibiotic treatment of suspected pneumonia	CH.7	0.507	0.148	0.292	1.313	1.146	16	16	0.212	0.803
Diarrhoea in last two weeks	CH.4	0.132	0.032	0.244	3.590	1.895	406	399	0.068	0.196
Received ORT or increased fluids and continued feeding	CH.5	0.285	0.081	0.284	1.672	1.293	54	53	0.123	0.446
Under-fives sleeping under insecticide treated nets	CH.11	0.666	0.061	0.092	6.733	2.595	406	399	0.543	0.788
Fever in last two weeks	CH.12	0.034	0.009	0.267	1.005	1.003	406	399	0.016	0.053
Antimalarial treatment	CH.12	0.790	0.093	0.117	0.675	0.821	14	14	0.605	0.976
Support for learning	CD.1	0.463	0.031	0.067	1.548	1.244	406	399	0.401	0.526
Birth registration	CP.1	0.864	0.019	0.022	1.227	1.108	406	399	0.826	0.902

Table SE.9: Sampling errors: Kerewan

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft) and confidence intervals for selected indicators, The Gambia, 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										
Household availability of ITNs	CH.10	0.569	0.031	0.055	2.978	1.726	718	754	0.507	0.632
Iodized salt consumption	NU.5	0.024	0.007	0.306	1.667	1.291	697	732	0.009	0.038
Child discipline	CP.4	0.842	0.013	0.015	0.820	0.905	624	656	0.817	0.868
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.891	0.015	0.017	1.839	1.356	5139	5414	0.860	0.922
Use of improved sanitation facilities	EN.5	0.862	0.015	0.018	1.464	1.210	5139	5414	0.832	0.893
Net primary school attendance rate	ED.3	0.494	0.040	0.080	6.552	2.560	995	1050	0.415	0.573
Net secondary school attendance rate	ED.4	0.279	0.037	0.133	5.187	2.277	724	762	0.205	0.353
Primary completion rate	ED.6	0.584	0.050	0.086	1.785	1.336	163	172	0.483	0.685
Child labour	CP.2	0.361	0.020	0.055	3.065	1.751	1718	1812	0.321	0.400
Prevalence of orphans	HA.10	0.045	0.004	0.081	0.922	0.960	2818	2972	0.038	0.052
WOMEN										
Skilled attendant at delivery	RH.5	0.446	0.032	0.072	1.697	1.303	377	406	0.382	0.510
Antenatal care	RH.3	0.958	0.010	0.010	0.915	0.956	377	406	0.939	0.977
Adult literacy	ED.8	0.295	0.042	0.144	3.473	1.864	375	404	0.210	0.379
Prevalence of female genital mutilation/cutting (FGM/C)	CP.7	0.608	0.058	0.095	15.255	3.906	1012	1090	0.493	0.724
Marriage before age 18	CP.5	0.476	0.022	0.046	1.661	1.289	813	876	0.432	0.520
Polygyny	CP.5	0.489	0.028	0.058	2.759	1.661	803	865	0.433	0.546
Comprehensive knowledge about HIV prevention among young people	HA.3	0.473	0.030	0.063	1.437	1.199	375	404	0.413	0.532
Condom use with non-regular partners	HA.9	0.737	0.055	0.074	0.279	0.529	18	19	0.627	0.847
Age at first sex among young people	HA.8	0.051	0.015	0.294	0.994	0.997	199	214	0.021	0.082
Attitude towards people with HIV/AIDS	HA.5	0.134	0.014	0.108	1.948	1.396	1012	1090	0.105	0.163
Women who have been tested for HIV	HA.6	0.139	0.011	0.075	1.003	1.002	1012	1090	0.118	0.160
Knowledge of mother- to-child transmission of HIV	HA.4	0.780	0.016	0.021	1.715	1.309	1012	1090	0.747	0.813

	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
UNDER-5s										
Underweight prevalence	NU.1	0.237	0.015	0.064	1.101	1.049	823	853	0.207	0.268
Tuberculosis immunization coverage	CH.2	0.990	0.007	0.007	0.888	0.943	191	198	0.977	1.000
Polio immunization coverage	CH.2	0.843	0.023	0.027	0.787	0.887	191	198	0.797	0.889
Immunization coverage for DPT	CH.2	0.773	0.044	0.057	2.144	1.464	191	198	0.686	0.860
Measles immunization coverage	CH.2	0.919	0.020	0.022	1.112	1.055	191	198	0.878	0.960
Fully immunized children	CH.2	0.677	0.040	0.058	1.409	1.187	191	198	0.598	0.756
Acute respiratory infection in last two weeks	CH.6	0.064	0.007	0.108	0.691	0.831	826	856	0.050	0.078
Antibiotic treatment of suspected pneumonia	CH.7	0.728	0.048	0.066	0.625	0.790	53	55	0.632	0.823
Diarrhoea in last two weeks	CH.4	0.204	0.014	0.070	1.080	1.039	826	856	0.176	0.233
Received ORT or increased fluids and continued feeding	CH.5	0.251	0.040	0.159	1.474	1.214	169	175	0.171	0.331
Under-fives sleeping under insecticide treated nets	CH.11	0.540	0.039	0.072	5.239	2.289	826	856	0.462	0.618
Fever in last two weeks	CH.12	0.097	0.010	0.102	0.953	0.976	826	856	0.077	0.117
Antimalarial treatment	CH.12	0.520	0.055	0.106	1.003	1.002	80	83	0.409	0.630
Support for learning	CD.1	0.889	0.025	0.029	5.612	2.369	826	856	0.838	0.940
Birth registration	CP.1	0.480	0.024	0.050	1.976	1.406	826	856	0.432	0.528

Table SE.10: Sampling errors: Kuntaur

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft) and confidence intervals for selected indicators, The Gambia, 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										
Household availability of ITNs	CH.10	0.666	0.028	0.042	0.932	0.965	306	264	0.666	0.028
Iodized salt consumption	NU.5	0.169	0.034	0.199	1.995	1.413	287	250	0.102	0.236
Child discipline	CP.4	0.974	0.006	0.006	0.378	0.615	285	247	0.962	0.987
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.834	0.069	0.083	9.009	3.002	3028	2652	0.696	0.972
Use of improved sanitation facilities	EN.5	0.771	0.068	0.088	6.946	2.636	3028	2652	0.635	0.908
Net primary school attendance rate	ED.3	0.412	0.055	0.134	6.640	2.577	608	532	0.301	0.522
Net secondary school attendance rate	ED.4	0.279	0.037	0.133	5.187	2.277	724	762	0.205	0.353
Primary completion rate	ED.6	0.578	0.075	0.130	2.104	1.451	105	92	0.428	0.728
Child labour	CP.2	0.256	0.020	0.079	1.871	1.368	994	872	0.216	0.297
Prevalence of orphans	HA.10	0.073	0.013	0.181	3.799	1.949	1676	1476	0.047	0.100
WOMEN										
Skilled attendant at delivery	RH.5	0.284	0.047	0.166	2.351	1.533	232	216	0.190	0.378
Antenatal care	RH.3	0.963	0.007	0.007	0.285	0.534	232	216	0.949	0.977
Adult literacy	ED.8	0.162	0.042	0.256	2.761	1.661	235	218	0.079	0.245
Prevalence of female genital mutilation/cutting (FGM/C)	CP.7	0.687	0.066	0.095	10.083	3.175	547	506	0.556	0.818
Marriage before age 18	CP.5	0.735	0.035	0.048	2.429	1.559	416	385	0.664	0.805
Polygyny	CP.5	0.525	0.013	0.025	0.289	0.537	444	412	0.499	0.552
Comprehensive knowledge about HIV prevention among young people	HA.3	0.325	0.026	0.080	0.674	0.821	235	218	0.273	0.377
Condom use with non-regular partners	HA.9	0.500	0.000	0.000	0.000	0.000	6	6	0.500	0.500
Age at first sex among young people	HA.8	0.090	0.021	0.239	0.677	0.823	131	121	0.047	0.133
Attitude towards people with HIV/AIDS	HA.5	0.247	0.025	0.103	1.737	1.318	541	500	0.196	0.298
Women who have been tested for HIV	HA.6	0.057	0.017	0.292	2.613	1.616	547	506	0.024	0.091
Knowledge of mother- to-child transmission of HIV	HA.4	0.569	0.011	0.019	0.249	0.499	547	506	0.547	0.591

	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
UNDER-5s										
Underweight prevalence	NU.1	0.273	0.029	0.105	1.626	1.275	461	395	0.216	0.331
Tuberculosis immunization coverage	CH.2	1.000	0.000	0.000	.	.	127	110	1.000	1.000
Polio immunization coverage	CH.2	0.946	0.016	0.017	0.550	0.741	127	110	0.914	0.978
Immunization coverage for DPT	CH.2	0.928	0.016	0.017	0.425	0.652	127	110	0.895	0.960
Measles immunization coverage	CH.2	0.964	0.018	0.019	1.008	1.004	127	110	0.928	1.000
Fully immunized children	CH.2	0.837	0.036	0.043	1.018	1.009	127	110	0.766	0.909
Acute respiratory infection in last two weeks	CH.6	0.088	0.018	0.206	1.766	1.329	502	431	0.052	0.125
Antibiotic treatment of suspected pneumonia	CH.7	0.429	0.131	0.307	2.612	1.616	44	38	0.166	0.692
Diarrhoea in last two weeks	CH.4	0.319	0.024	0.077	1.184	1.088	502	431	0.270	0.368
Received ORT or increased fluids and continued feeding	CH.5	0.391	0.076	0.193	3.313	1.820	160	139	0.240	0.542
Under-fives sleeping under insecticide treated nets	CH.11	0.568	0.076	0.134	10.181	3.191	502	431	0.416	0.721
Fever in last two weeks	CH.12	0.112	0.011	0.093	0.475	0.690	502	431	0.091	0.133
Antimalarial treatment	CH.12	0.439	0.051	0.117	0.493	0.702	56	47	0.337	0.542
Support for learning	CD.1	0.368	0.016	0.043	0.466	0.683	502	431	0.336	0.400
Birth registration	CP.1	0.525	0.045	0.086	3.512	1.874	502	431	0.435	0.615

Table SE.11: Sampling errors: Janjangbureh

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deff) and confidence intervals for selected indicators, The Gambia, 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										
Household availability of ITNs	CH.10	0.677	0.038	0.056	2.754	1.660	370	417	0.601	0.753
Iodized salt consumption	NU.5	0.103	0.017	0.168	1.302	1.141	357	402	0.069	0.138
Child discipline	CP.4	0.772	0.025	0.032	1.254	1.120	327	368	0.723	0.821
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.817	0.039	0.047	4.182	2.045	3861	4321	0.739	0.894
Use of improved sanitation facilities	EN.5	0.307	0.041	0.134	3.326	1.824	3861	4321	0.225	0.390
Net primary school attendance rate	ED.3	0.580	0.037	0.064	4.441	2.107	705	788	0.506	0.654
Net secondary school attendance rate	ED.4	0.253	0.030	0.118	3.083	1.756	580	651	0.193	0.313
Primary completion rate	ED.6	0.797	0.041	0.052	1.307	1.143	111	124	0.714	0.880
Child labour	CP.2	0.325	0.015	0.047	1.442	1.201	1201	1343	0.294	0.355
Prevalence of orphans	HA.10	0.072	0.010	0.142	3.699	1.923	2132	2384	0.051	0.092
WOMEN										
Skilled attendant at delivery	RH.5	0.348	0.034	0.099	1.754	1.324	313	336	0.279	0.417
Antenatal care	RH.3	0.988	0.006	0.006	0.984	0.992	313	336	0.976	1.000
Adult literacy	ED.8	0.271	0.034	0.124	2.222	1.490	364	391	0.204	0.338
Prevalence of female genital mutilation/cutting (FGM/C)	CP.7	0.772	0.048	0.063	12.803	3.578	891	958	0.675	0.869
Marriage before age 18	CP.5	0.688	0.017	0.024	0.959	0.979	684	736	0.654	0.721
Polygyny	CP.5	0.536	0.018	0.034	1.013	1.006	696	748	0.499	0.573
Comprehensive knowledge about HIV prevention among young people	HA.3	0.256	0.028	0.109	1.577	1.256	364	391	0.200	0.311
Condom use with non-regular partners	HA.9	0.733	0.158	0.216	1.786	1.336	14	15	0.417	1.000
Age at first sex among young people	HA.8	0.041	0.013	0.317	0.937	0.968	206	222	0.015	0.066
Attitude towards people with HIV/AIDS	HA.5	0.149	0.016	0.110	2.023	1.422	884	951	0.116	0.182
Women who have been tested for HIV	HA.6	0.078	0.008	0.105	0.893	0.945	891	958	0.062	0.095
Knowledge of mother- to-child transmission of HIV	HA.4	0.737	0.016	0.022	1.255	1.120	891	958	0.705	0.769

	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
UNDER-5s										
Underweight prevalence	NU.1	0.261	0.014	0.053	0.748	0.865	682	753	0.233	0.289
Tuberculosis immunization coverage	CH.2	1.000	0.000	0.000	.	.	150	165	1.000	1.000
Polio immunization coverage	CH.2	0.921	0.026	0.028	1.461	1.209	150	165	0.870	0.972
Immunization coverage for DPT	CH.2	0.915	0.016	0.018	0.555	0.745	150	165	0.882	0.947
Measles immunization coverage	CH.2	0.927	0.024	0.026	1.435	1.198	150	165	0.878	0.976
Fully immunized children	CH.2	0.812	0.038	0.047	1.560	1.249	150	165	0.735	0.888
Acute respiratory infection in last two weeks	CH.6	0.065	0.010	0.157	1.282	1.132	682	753	0.044	0.085
Antibiotic treatment of suspected pneumonia	CH.7	0.772	0.069	0.090	1.318	1.148	44	49	0.633	0.911
Diarrhoea in last two weeks	CH.4	0.211	0.017	0.081	1.314	1.146	682	753	0.177	0.245
Received ORT or increased fluids and continued feeding	CH.5	0.384	0.038	0.098	0.946	0.973	144	159	0.308	0.459
Under-fives sleeping under insecticide treated nets	CH.11	0.568	0.076	0.134	10.181	3.191	502	431	0.416	0.721
Fever in last two weeks	CH.12	0.065	0.012	0.184	1.761	1.327	682	753	0.041	0.089
Antimalarial treatment	CH.12	0.692	0.065	0.094	0.950	0.975	44	49	0.563	0.822
Support for learning	CD.1	0.304	0.013	0.041	0.566	0.752	682	753	0.279	0.329
Birth registration	CP.1	0.622	0.035	0.056	3.936	1.984	682	753	0.551	0.692

Table SE.12: Sampling errors: Basse

Standard errors, coefficients of variation, design effects (deff), square root of design effects (deft) and confidence intervals for selected indicators, The Gambia, 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										
Household availability of ITNs	CH.10	0.585	0.027	0.047	1.615	1.271	483	526	0.531	0.640
Iodized salt consumption	NU.5	0.425	0.051	0.120	5.292	2.300	452	496	0.323	0.527
Child discipline	CP.4	0.949	0.010	0.010	0.960	0.980	425	480	0.929	0.969
HOUSEHOLD MEMBERS										
Use of improved drinking water sources	EN.1	0.876	0.055	0.062	14.335	3.786	5861	6870	0.767	0.985
Use of improved sanitation facilities	EN.5	0.864	0.030	0.035	4.077	2.019	5861	6870	0.804	0.925
Net primary school attendance rate	ED.3	0.465	0.025	0.055	3.300	1.816	1070	1273	0.414	0.515
Net secondary school attendance rate	ED.4	0.147	0.020	0.140	3.341	1.828	859	1000	0.106	0.187
Primary completion rate	ED.6	0.474	0.042	0.088	1.429	1.195	172	204	0.390	0.558
Child labour	CP.2	0.318	0.014	0.043	1.879	1.371	1836	2183	0.291	0.346
Prevalence of orphans	HA.10	0.103	0.009	0.085	3.082	1.755	3146	3713	0.085	0.120
WOMEN										
Skilled attendant at delivery	RH.5	0.342	0.034	0.100	2.708	1.645	463	525	0.274	0.410
Antenatal care	RH.3	0.989	0.005	0.005	1.274	1.129	463	525	0.979	0.999
Adult literacy	ED.8	0.132	0.024	0.184	3.124	1.768	548	608	0.084	0.181
Prevalence of female genital mutilation/cutting (FGM/C)	CP.7	0.990	0.004	0.004	2.183	1.478	1258	1411	0.983	0.998
Marriage before age 18	CP.5	0.748	0.015	0.020	1.311	1.145	988	1110	0.718	0.778
Polygyny	CP.5	0.569	0.022	0.038	2.288	1.513	1064	1207	0.525	0.612
Comprehensive knowledge about HIV prevention among young people	HA.3	0.222	0.016	0.071	0.882	0.939	608	548	0.190	0.254
Condom use with non-regular partners	HA.9	0.790	0.070	0.088	0.588	0.767	24	21	0.651	0.930
Age at first sex among young people	HA.8	0.056	0.017	0.300	1.591	1.261	270	301	0.022	0.089
Attitude towards people with HIV/AIDS	HA.5	0.159	0.007	0.045	0.531	0.729	1244	1394	0.145	0.173
Women who have been tested for HIV	HA.6	0.036	0.006	0.172	1.562	1.250	1258	1411	0.024	0.049
Knowledge of mother- to-child transmission of HIV	HA.4	0.672	0.015	0.023	1.505	1.227	1258	1411	0.641	0.703

	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
UNDER-5s										
Underweight prevalence	NU.1	0.235	0.018	0.076	1.879	1.371	914	1052	0.200	0.271
Tuberculosis immunization coverage	CH.2	0.988	0.007	0.007	0.926	0.962	214	245	0.975	1.000
Polio immunization coverage	CH.2	0.927	0.015	0.016	0.833	0.912	214	245	0.896	0.957
Immunization coverage for DPT	CH.2	0.819	0.016	0.019	0.396	0.629	214	245	0.788	0.850
Measles immunization coverage	CH.2	0.931	0.013	0.014	0.679	0.824	214	245	0.904	0.957
Fully immunized children	CH.2	0.745	0.018	0.024	0.398	0.631	214	245	0.710	0.780
Acute respiratory infection in last two weeks	CH.6	0.055	0.009	0.154	1.597	1.264	999	1143	0.038	0.073
Antibiotic treatment of suspected pneumonia	CH.7	0.612	0.060	0.098	0.887	0.942	55	60	0.492	0.731
Diarrhoea in last two weeks	CH.4	0.238	0.019	0.080	2.256	1.502	999	1143	0.200	0.276
Received ORT or increased fluids and continued feeding	CH.5	0.533	0.042	0.079	1.952	1.397	238	275	0.449	0.618
Under-fives sleeping under insecticide treated nets	CH.11	0.350	0.040	0.114	8.026	2.833	999	1143	0.270	0.430
Fever in last two weeks	CH.12	0.079	0.010	0.125	1.515	1.231	999	1143	0.059	0.098
Antimalarial treatment	CH.12	0.326	0.064	0.196	1.625	1.275	79	88	0.198	0.454
Support for learning	CD.1	0.346	0.013	0.039	0.919	0.959	999	1143	0.319	0.373
Birth registration	CP.1	0.394	0.029	0.073	3.932	1.983	999	1143	0.337	0.451