

Table A3.1 Country data on UI and national estimate of iodine nutrition

Member State	Population year 2002 ^a		Survey data								Bibliographic references ^b	Classification of iodine intake		Population with insufficient iodine intake	
	6-12 years (000)	General (000)	Date of survey (years)	Level of survey	Population group and age (years)	Sample size	Median UI (µg/l)	Proportion of population with UI <100 µg/l (%)	95% CI of proportion of population with UI <100 µg/l (%)	Notes		Classification of iodine intake	Classification of iodine nutrition	6-12 years (000)	General population (000)
Afghanistan	4197	22 930	No data												
Albania	434	3141	No data												
Algeria	4993	31 266	1994 P	Local	SAC (6-11)	169	27	77.7	71.4-84.0	Survey in endemic area. Baseline data before intervention. % <100 µg/l calculated from median.	1348	Insufficient	Moderate iodine deficiency	3879	24294
Andorra	6	69	No data												
Angola	2594	13 184	No data												
Antigua and Barbuda	10	73	No data												
Argentina	4792	37 981	No data												
Armenia	346	3072	1998	National	Pre-SAC (0-5)	2596	146	31.8	30.0-33.6	Median calculated from % <100 µg/l.	3329	Adequate	Optimal iodine nutrition	110	977
Australia	1872	19 544	2000, 2001	State, local	SAC (4-18)	802	77	71.5	68.4-74.6	Medians and % <100 µg/l from two surveys pooled.	3379, 3598	Insufficient	Mild iodine deficiency	1339	13974
Austria	650	8111	1994	Local	SAC (6-15)	589	111	49.4	46.3-54.3	Thyromobile study. % <100 µg/l calculated from median.	1319	Adequate	Optimal iodine nutrition	327	4080
Azerbaijan	1268	8297	2001 P	Regional	SAC (8-14)	347	54	74.4	69.8-79.0	% <100 µg/l calculated from median.	3413	Insufficient	Mild iodine deficiency	943	6173
Bahamas	42	310	No data												
Bahrain	97	709	1999	National	SAC (8-12)	749	204	16.2	13.6-18.8	Median calculated from % <100 µg/l.	1142	More than adequate	Risk of IIH in susceptible groups	16	115
Bangladesh	25 239	143 809	1993	National	SAC (5-11)	2054	54	70.7	68.7-72.7	Median calculated from % <100 µg/l.	642	Insufficient	Mild iodine deficiency	17844	101673
Barbados	26	269	No data												
Belarus	862	9940	1995-1998	National	SAC (6-18)	11 562	45	80.9	80.2-81.6		3181	Insufficient	Moderate iodine deficiency	697	8041
Belgium	846	10 296	1998	National	SAC (6-12)	2585	80	66.9	65.1-68.7		1336	Insufficient	Mild iodine deficiency	566	6888
Belize	44	251	1994-1995	National	SAC (7-14)	1656	184	26.7	24.6-28.8	% <100 µg/l calculated from median.	3133	Adequate	Optimal iodine nutrition	12	67
Benin	1302	6558	1999	Local	SAC (6-12)	433	289	8.3	5.7-10.9	Thyromobile study. % <100 µg/l calculated from median.	2535	More than adequate	Risk of IIH in susceptible groups	108	544
Bhutan	409	2190	1996	National	SAC (6-11)	333	230	24.0	19.4-28.6		2649	More than adequate	Risk of IIH in susceptible groups	98	526
Bolivia	1546	8645	1996	National	Women 15-49 and children <5	508	250	19.0	15.6-22.4		3339	More than adequate	Risk of IIH in susceptible groups	294	1643
Bosnia and Herzegovina	357	4126	1999	National	SAC (7-14)	1945	111	52.4	50.2-54.6	Medians and % <100 µg/l pooled separately from two surveys (Republica Srpska and Federation of Bosnia & Herzegovina). Pooled % <100 µg/l higher than 50% in spite of pooled median higher than 100 µg/l.	2994 3453	Adequate	Optimal iodine nutrition	187	2162
Botswana	321	1770	1994	National	SAC (8-10)	287	219	15.3	11.1-19.5	Medians from disaggregated data by districts pooled. % <100 µg/l calculated from median.	2805	More than adequate	Risk of IIH in susceptible groups	49	271
Brazil	23 198	176 257	2000	State	SAC (6-12)	1013	360	0.0	0.0-0.0		3350	Excessive	Risk of adverse health consequences	0	0
Brunei Darussalam	49	350	No data												
Bulgaria	599	7965	1996	National	SAC (6-14)	1028	111	42.9	39.9-45.9		3017	Adequate	Optimal iodine nutrition	257	3417
Burkina Faso	2608	12 624	1999	Local	SAC (6-12)	391	114	47.5	42.6-52.4	Thyromobile study.	2535	Adequate	Optimal iodine nutrition	1239	5997

Table A3.1

Member State	Population year 2002 ^a		Survey data								Bibliographic references ^b	Classification of iodine intake	Classification of iodine nutrition	Population with insufficient iodine intake	
	6-12 years (000)	General (000)	Date of survey (years)	Level of survey	Population group and age (years)	Sample size	Median UI (µg/l)	Proportion of population with UI <100 µg/l (%)	95% CI of proportion of population with UI <100 µg/l (%)	Notes				6-12 years (000)	General population (000)
Burundi	1361	6602	No data												
Cambodia	2585	13 810	No data												
Cameroon	3007	15 729	1993	National	SAC (6-18)	757	52	91.7	89.7-93.7		1431	Insufficient	Mild iodine deficiency	2757	14 424
Canada	2840	31 271	No data												
Cape Verde	85	454	1996	National	SAC (6-12)	302	52	77.4	72.7-82.1		1622	Insufficient	Mild iodine deficiency	66	351
Central African Republic	729	3819	1993-1994	Province	General population	319	21	79.5	75.1-83.9	% <100 µg/l calculated from median.	1351	Insufficient	Moderate iodine deficiency	579	3036
Chad	1638	8348	1993-1994	National	SAC (10-20)	1141	29	99.6	99.2-100.0		390	Insufficient	Moderate iodine deficiency	1632	8314
Chile	2046	15 613	2001	Local urban	SAC (6-18)	371	984	0.2	0.0-0.7	Median calculated from mean.	3335	Excessive	Risk of adverse health consequences	4	31
China	148 422	1 302 307	2002	National	SAC (8-10)	11 766	241	16.2	15.5-16.9	% <100 µg/l calculated from median.	3579	More than adequate	Risk of IIH in susceptible groups	24 044	210 974
Colombia	6514	43 526	1994-1998	National urban	SAC (8-12)	7363	249	6.4	5.8-7.0	Median calculated from % <100 µg/l.	3296	More than adequate	Risk of IIH in susceptible groups	417	2786
Comoros	137	747	No data												
Congo	727	3633	No data												
Cook Islands	2	18	No data												
Costa Rica	595	4094	1996	National	SAC	538	233	8.9	6.5-11.3		1634	More than adequate	Risk of IIH in susceptible groups	53	364
Cote d'Ivoire	3067	16 365	1999-2000	Local	SAC (4-16)	400	162	33.8	29.2-38.4	% <100 µg/l calculated from median.	3239	Adequate	Optimal iodine nutrition	1036	5531
Croatia	351	4439	2002	National	SAC (6-12)	927	140	28.8	25.9-31.7		3429	Adequate	Optimal iodine nutrition	101	1278
Cuba	1119	11 271	1995	National rural	SAC (6-12)	3027	95	51.0	49.2-52.8		1512	Insufficient	Mild iodine deficiency	571	5748
Cyprus	87	796	No data												
Czech Republic	810	10 246	2000 P	Regional	SAC (6, 10, 13)	714	119	47.7	44.0-51.4	Median calculated from mean. % <100 µg/l calculated from median.	515	Adequate	Optimal iodine nutrition	386	4887
Democratic People's Republic of Korea	2825	22 541	No data												
Democratic Republic of the Congo	10 011	51 201	1995	Local	SAC (6-14)	305	267	0.0	0.0-0.0	Medians from disaggregated data by zones pooled. % <100 µg/l calculated from median.	3601	More than adequate	Risk of IIH in susceptible groups	0	0
Denmark	473	5351	1997-1998	Regional	Adults (18-65)	4616	61	70.8	69.5-72.1	% <100 µg/l calculated from median.	3205	Insufficient	Mild iodine deficiency	335	3789
Djibouti	129	693	No data												
Dominica	11	78	No data												
Dominican Republic	1292	8616	1993	National	SAC (6-14)	837	39	86.0	83.7-88.4	Median calculated from % <100 µg/l.	771	Insufficient	Moderate iodine deficiency	1111	7410
Ecuador	1978	12810	1999	Local	SAC	630	420	0.0	0.0-0.0	Thyromobile study. % <100 µg/l calculated from median.	3615	Excessive	Risk of adverse health consequences	0	0
Egypt	11 373	70 507	1998	State	SAC (6-10)	706	148	31.2	27.8-34.6	Median calculated from % <100 µg/l.	2639	Adequate	Optimal iodine nutrition	3548	21 998
El Salvador	1033	6415	1996-1997	National	SAC (6-14)	2394	>150	4.6	3.8-5.4		3108	Adequate	Optimal iodine nutrition	48	295
Equatorial Guinea	90	481	No data												
Eritrea	794	3991	1998	National	SAC (6-12)	2100	168	25.3	23.4-27.2	Median calculated from % <100 µg/l.	3122	Adequate	Optimal iodine nutrition	201	1010
Estonia	112	1338	1995	National	SAC (8-10)	1840	65	67.0	64.9-69.2		1225	Insufficient	Mild iodine deficiency	75	896

Table A3.1

Member State	Population year 2002 ^a		Survey data										Population with insufficient iodine intake		
	6-12 years (000)	General (000)	Date of survey (years)	Level of survey	Population group and age (years)	Sample size	Median UI (µg/l)	Proportion of population with UI <100 µg/l (%)	95% CI of proportion of population with UI <100 µg/l (%)	Notes	Bibliographic references ^b	Classification of iodine intake	Classification of iodine nutrition	6-12 years (000)	General population (000)
Ethiopia	13 685	68 961	2000 P	District	SAC	512	58	68.4	64.4-72.4	Means from disaggregated data by regions pooled. Median calculated from mean. % <100 µg/l calculated from median.	3199	Insufficient	Mild iodine deficiency	9360	47 169
Fiji	123	831	1994	District	SAC	479	34	75.4	71.5-79.3	Medians from disaggregated data by site pooled. % <100 µg/l calculated from median.	3236	Insufficient	Moderate iodine deficiency	93	626
Finland	448	5197	1997	Local	Adults (30-42)	342	164	35.5	30.4-40.6	% <100 µg/l calculated from median.	3605	Adequate	Optimal iodine nutrition	159	1845
France	5128	59 850	1996	National	Adults (35-60)	12 014	85	60.4	59.5-61.3	Medians from disaggregated data by sex pooled. % <100 µg/l calculated from median.	1269	Insufficient	Mild iodine deficiency	3097	36 149
Gabon	245	1306	2001	National	SAC (6-12)	NS	190	38.3		% <100 µg/l calculated from median.	3611	Adequate	Optimal iodine nutrition	94	500
Gambia	248	1388	1999	National	SAC (8-12)	594	42	72.8	69.2-76.4	% <100 µg/l calculated from median.	2595	Insufficient	Moderate iodine deficiency	180	1011
Georgia	494	5177	1998	National	NS	NS	62	80.0		Median calculated from % <100 µg/l.	3699	Insufficient	Mild iodine deficiency	395	4142
Germany	6022	82414	1999	National	SAC (6-12)	3065	148	27.0	25.4-28.6		3126	Adequate	Optimal iodine nutrition	1626	22 252
Ghana	3712	20471	1994	District		292	54	71.3	66.1-76.5		1772	Insufficient	Mild iodine deficiency	2647	14 596
Greece	759	10970	No data												
Grenada	12	80	No data												
Guatemala	2309	12036	1995	National	SAC, women	814	222	14.4	12.0-16.8	% <100 µg/l calculated from median.	3091	More than adequate	Risk of IIH in susceptible groups	333	1733
Guinea	1567	8359	1999	Region	SAC (8-19)	1234	91	63.6	60.9-66.3	Medians and % <100 µg/l from disaggregated data by prefectures pooled.	2617	Insufficient	Mild iodine deficiency	997	5316
Guinea-Bissau	283	1449	No data												
Guyana	104	764	1997 P	National	SAC (5-14)	342	162	26.9	22.2-31.6	% <100 µg/l from disaggregated data by sex pooled. Median calculated from % <100 µg/l.	3094	Adequate	Optimal iodine nutrition	28	205
Haiti	1459	8218	No data												
Honduras	1262	6781	1999	Local	SAC	609	240	31.3	27.6-35.0	Thyromobile study. % <100 µg/l calculated from median.	3394	More than adequate	Risk of IIH in susceptible groups	395	2122
Hungary	817	9923	1994-1997	National	SAC (7-11)	2814	80	65.2	63.4-67.0	% <100 µg/l from disaggregated data by county pooled.	3041, 3684 3683, 3682 3681	Insufficient	Mild iodine deficiency	533	6470
Iceland	32	287	1998 P	Local	Elderly (66-70)	89	150	37.7	27.6-47.8	% <100 µg/l calculated from median.	1251	Adequate	Optimal iodine nutrition	12	108
India	16 1973	1 049 549	1993-1993, 1995, 1996, 1996 P, 1997, 1997 P, 1998, 1998 P, 1999, 2000 P, 2001 P, 2001, 2002	State, district	SAC	17 321	133	31.3	30.6-32.0	Medians and % <100 µg/l from 20 state and district surveys, pooled at district level.	1158, 1162 1159, 1164 1161, 1160 1215, 1166 1163, 3538 1165, 3539 3456, 3584 3585, 3578 3577, 3565 3545, 3534	Adequate	Optimal iodine nutrition	50 698	328 509
Indonesia	30 322	217 131	1996 P	District	SAC (8-10)	544	65	63.7	59.7-67.7		1183	Insufficient	Mild iodine deficiency	19 315	138 313
Iran (Islamic Republic of)	11 208	68 070	1996	National	SAC (8-10)	2917	205	14.9	13.6-16.2		3317	More than adequate	Risk of IIH in susceptible groups	1670	10 142

Table A3.1

Member State	Population year 2002 ^a		Survey data										Population with insufficient iodine intake			
	6-12 years (000)	General (000)	Date of survey (years)	Level of survey	Population group and age (years)	Sample size	Median UI (µg/l)	Proportion of population with UI <100 µg/l (%)	95% CI of proportion of population with UI <100 µg/l (%)	Notes	Bibliographic references ^b	Classification of iodine intake	Classification of iodine nutrition	6-12 years (000)	General population (000)	
Iraq	4498	24 510	No data													
Ireland	375	3911	1999	Local	Adults (22-61)	132	82	60.8	52.5-69.1	% <100 µg/l calculated from median.	3608	Insufficient	Mild iodine deficiency	228	2378	
Israel	795	6304	No data													
Italy	3866	57 482	1992-1994, 1993-1995, 1994 P, 1997 P, 1998 P, 1999 P	Region, local	SAC (6-15)	11 226	94	55.7	54.8-56.6	Medians from nine local and regional surveys pooled. % <100 µg/l calculated from median.	2058, 1291 3419, 1273 1287, 1286 2059, 1272	Insufficient	Mild iodine deficiency	2154	32 018	
Jamaica	381	2627	No data													
Japan	8482	127 478	No data													
Jordan	917	5329	2000	National	SAC (8-10)	2601	154	24.4	22.8-26.1		2534	Adequate	Optimal iodine nutrition	224	1300	
Kazakhstan	1991	15 469	1999	National	Women (15-49)	951	97	53.1	49.9-56.3	Medians from disaggregated data by region pooled.	3056	Insufficient	Mild iodine deficiency	1057	8214	
Kenya	6050	31540	1994	National	SAC (8-10)	3042	115	36.7	35.0-38.4	% <100 µg/l from disaggregated data by district pooled.	391	Adequate	Optimal iodine nutrition	2220	11575	
Kiribati	10	87	No data													
Kuwait	278	2443	1997	National	SAC (6-9)	341	147	31.4	26.5-36.3	Median calculated from % <100 µg/l.	3135	Adequate	Optimal iodine nutrition	87	767	
Kyrgyzstan	787	5067	1994	Region	SAC (7-11)	221	30	88.1	83.8-92.4	Survey in 4 out of 7 States (Oblasts). The 4 States considered endemic. % <100 µg/l calculated from median.	3230	Insufficient	Moderate iodine deficiency	693	4464	
Lao People's Democratic Republic	1038	5529	2000	National	SAC (8-12)	900	162	26.9	24.0-29.8	Median calculated from % <100 µg/l.	770	Adequate	Optimal iodine nutrition	279	1487	
Latvia	200	2329	2000	National	SAC (8-10)	599	59	76.8	73.4-80.2		3058	Insufficient	Mild iodine deficiency	154	1789	
Lebanon	510	3596	1997	National	SAC (7-15)	586	95	55.5	51.5-59.5	% <100 µg/l calculated from median.	3222	Insufficient	Mild iodine deficiency	283	1996	
Lesotho	331	1800	1999	National	SAC (8-12)	500	26	100.0	–		3481	Insufficient	Moderate iodine deficiency	331	1800	
Liberia	631	3239	1999	National	SAC (6-11)	2060	321	3.5	2.7-4.3		1242	Excessive	Risk of adverse health consequences	22	113	
Libyan Arab Jamahiriya	765	5445	No data													
Lithuania	334	3465	1995	National	SAC	2087	75	62.0	59.9-64.1	% <100 µg/l calculated from median.	3613	Insufficient	Mild iodine deficiency	207	2148	
Luxembourg	40	447	1994	Local	SAC (6-15)	124	90	57.4	48.7-66.1	Thyromobile study. % <100 µg/l calculated from median.	1319	Insufficient	Mild iodine deficiency	23	257	
Madagascar	3231	16916	No data													
Malawi	2315	11871	No data													
Malaysia	3717	23965	1995	National	SAC (8-10)	11 362	91	57.0	56.1-57.9	Medians from three state surveys pooled. % <100 µg/l calculated from median.	2637, 2637 2840	Insufficient	Mild iodine deficiency	2118	13660	
Maldives	58	309	1995	National	SAC (6-12)	316	67	65.5	60.3-70.7		2650	Insufficient	Mild iodine deficiency	38	202	
Mali	2636	12 623	1999	Local	SAC (6-12)	352	203	34.1	29.2-39.1	Thyromobile study.	2535	More than adequate	Risk of IIH in susceptible groups	899	4304	
Malta	37	393	No data													
Marshall Islands	6	52	No data													
Mauritania	514	2807	1995	National	SAC (6-14)	240	55	69.8	64.0-75.6	Median calculated from % <100 µg/l.	392	Insufficient	Mild iodine deficiency	359	1959	
Mauritius	147	1210	1995	National	Adults	225	154	4.4	1.7-7.1	Median calculated from mean.	395	Adequate	Optimal iodine nutrition	6	53	

Table A3.1

Member State	Population year 2002 ^a		Survey data									Bibliographic references ^b	Classification of iodine intake	Classification of iodine nutrition	Population with insufficient iodine intake	
	6-12 years (000)	General (000)	Date of survey (years)	Level of survey	Population group and age (years)	Sample size	Median UI (µg/l)	Proportion of population with UI <100 µg/l (%)	95% CI of proportion of population with UI <100 µg/l (%)	Notes	6-12 years (000)				General population (000)	
Mexico	15 671	101 965	1999	National	SAC (5-12)	585	235	8.5	6.2-10.8	Median calculated from % <100 µg/l.	2997	More than adequate	Risk of IIH in susceptible groups	1332	8667	
Micronesia (Federated States of)	19	108	No data													
Monaco	3	34	No data													
Mongolia	407	2559	2001	National	SAC (4-16)	2748	102	48.9	47.0-50.8		3227	Adequate	Optimal iodine nutrition	199	1252	
Morocco	4385	30 072	1993	National	SAC (6-12)	281	75	63.0	57.4-68.7	Median calculated from mean.	491	Insufficient	Mild iodine deficiency	2762	18945	
Mozambique	3587	18 537	1998	Province	SAC	567	69	65.4	61.5-69.3		2872	Insufficient	Mild iodine deficiency	2346	12123	
Myanmar	7352	48 852	2001	National	SAC (6-11)	3345	136	38.2	36.6-39.9		3076	Adequate	Optimal iodine nutrition	2809	18662	
Namibia	385	1961	No data													
Nauru	2	13	No data													
Nepal	4430	24 609	1997-1998	National	SAC (6-11)	1450	144	35.1	32.6-37.6		1083	Adequate	Optimal iodine nutrition	1555	8638	
Netherlands	1395	16 067	1995-1996	Local	SAC (6-18)	937	154	37.5	34.4-40.6	Thyromobile study. % <100 µg/l calculated from median.	3204	Adequate	Optimal iodine nutrition	523	6025	
New Zealand	419	3846	1996-1999	Local	SAC (8-10)	282	66	79.7	75.0-84.4		3597	Insufficient	Mild iodine deficiency	334	3065	
Nicaragua	1007	5335	2000	National	SAC (6-9)	886	271	0.0	0.0-0.0	% <100 µg/l calculated from median.	3109	More than adequate	Risk of IIH in susceptible groups	0	0	
Niger	2357	11 544	1998	Region	SAC	944	270	0.0	0.0-0.0	% <100 µg/l calculated from median.	3611	More than adequate	Risk of IIH in susceptible groups	0	0	
Nigeria	23 677	120 911	1998	State	SAC (8-12)	537	147	38.8	34.7-42.9	% <100 µg/l calculated from median.	3604	Adequate	Optimal iodine nutrition	9187	46914	
Niue	0	2	No data													
Norway	427	4514	No data													
Oman	450	2768	1993-1994	National	SAC (8-11)	951	91	49.8	46.6-53.0		481	Insufficient	Mild iodine deficiency	224	1379	
Pakistan	27 695	149911	1993-1994	Region	SAC (8-10)	1500	16	90.4	88.9-91.9		492	Insufficient	Severe iodine deficiency	25037	13 5519	
Palau	2	20	No data													
Panama	436	3064	1999	National	SAC (6-12)	604	235	8.6	6.4-10.8	Median calculated from % <100 µg/l.	3098	More than adequate	Risk of IIH in susceptible groups	37	263	
Papua New Guinea	1048	5586	1996	Local	SAC (8-10)	627	181	27.7	24.2-31.2	Medians from disaggregated data by site pooled. % <100 µg/l calculated from median.	723	Adequate	Optimal iodine nutrition	290	1547	
Paraguay	1013	5740	1999	National	SAC (6-12)	5864	294	13.4	12.5-14.3		3167	More than adequate	Risk of IIH in susceptible groups	136	769	
Peru	4201	26767	1999	National	SAC	4936	230	11.8	10.9-12.7	% <100 µg/l calculated from median.	3147	More than adequate	Risk of IIH in susceptible groups	496	3158	
Philippines	13 388	78580	1998	National	SAC (6-12)	10 616	71	65.3	64.4-66.2		2536	Insufficient	Mild iodine deficiency	8742	51313	
Poland	3437	38622	1999	Local	SAC (6-15)	873	84	64.0	60.8-67.2	Thyromobile study. Median calculated from mean.	2574	Insufficient	Mild iodine deficiency	2200	24718	
Portugal	774	10049	No data													
Qatar	72	601	1996	Local	SAC (6-15)	59	203	30.0	26.3-33.7	Median calculated from mean.	3614	More than adequate	Risk of IIH in susceptible groups	22	180	
Republic of Korea	4640	47430	No data													
Republic of Moldova	455	4270	1996	National	SAC (8-10)	516	78	62.0	57.8-66.2		3332	Insufficient	Mild iodine deficiency	282	2648	
Romania	1836	22387	2000-2001	National	SAC (6-16)	7358	68	64.2	63.1-65.3	Median from disaggregated data by county pooled. % <100 µg/l calculated from median.	3544	Insufficient	Mild iodine deficiency	1178	14373	

Table A3.1

Member State	Population year 2002 ^a		Survey data								Bibliographic references ^b	Classification of iodine intake	Classification of iodine nutrition	Population with insufficient iodine intake	
	6-12 years (000)	General (000)	Date of survey (years)	Level of survey	Population group and age (years)	Sample size	Median UI (µg/l)	Proportion of population with UI <100 µg/l (%)	95% CI of proportion of population with UI <100 µg/l (%)	Notes				6-12 years (000)	General population (000)
Russian Federation	11 779	144082	1999, 2000, 2001, 2002	Local	SAC (7-12)	3401	93	56.2	54.5-57.9	Medians from eight local surveys pooled. % <100 µg/l calculated from median.	1191, 743 1222, 1143 1139, 3610 3610, 3610	Insufficient	Mild iodine deficiency	6620	80974
Rwanda	1593	8272	1996	National	SAC (5-19)	1246	298	0.0	0.0-0.0	% <100 µg/l calculated from median.	2558	More than adequate	Risk of IIH in susceptible groups	0	0
Saint Kitts and Nevis	6	42	No data												
Saint Lucia	22	148	No data												
Saint Vincent and the Grenadines	18	119	No data												
Samoa	33	176	No data												
San Marino	2	27	No data												
Sao Tome and Principe	28	157	No data												
Saudi Arabia	4063	23520	1994-1995	National	SAC (8-10)	4590	180	23.0	21.8-24.2		490	Adequate	Optimal iodine nutrition	934	5410
Senegal	1898	9855	1996-1997	Region	SAC (10-14)	1054	45	75.7	73.1-78.3		1633	Insufficient	Moderate iodine deficiency	1437	7460
Serbia and Montenegro	976	10535	1998-1999	Region	SAC (7-15)	1515	158	20.8	18.8-22.8		3062	Adequate	Optimal iodine nutrition	203	2191
Seychelles	15	80	No data												
Sierra Leone	876	4764	No data												
Singapore	450	4183	No data												
Slovakia	496	5398	2002	National	SAC	1744	183	15.0	13.3-16.7		558	Adequate	Optimal iodine nutrition	74	810
Slovenia	144	1986	No data												
Solomon Islands	89	463	No data												
Somalia	1850	9480	No data												
South Africa	7070	44759	1998	National	SAC (7-11)	8254	177	29.0	28.0-30.0	% <100 µg/l calculated from median.	2618	Adequate	Optimal iodine nutrition	2050	12980
Spain	2712	40977	1995, 2000, 2000 P, 2001 P, 2002 P	Regional, province	SAC	3154	109	50.1	49.3-52.7	Medians from five regional and provincial surveys pooled. % <100 µg/l calculated from median. % <100 µg/l borderline, while median is 109 µg/l due to the equation used for the estimation (see section 2.3).	2091, 3607 3581, 3606 3580	Adequate	Optimal iodine nutrition	1383	20898
Sri Lanka	2236	18910	2000-2001	National	SAC (8-10)	2630	145	30.6	28.8-32.4		404	Adequate	Optimal iodine nutrition	684	5786
Sudan	5797	32878	1997	National	SAC	3544	75	62.0	60.4-63.6	Medians from disaggregated data by zones pooled. % <100 µg/l calculated from median.	2937	Insufficient	Mild iodine deficiency	3594	20385
Suriname	60	432	No data												
Swaziland	213	1069	1998	Local	SAC (6-18)	170	170	34.5	27.4-41.7	Medians from disaggregated data by sites pooled.	2589a	Adequate	Optimal iodine nutrition	73	369
Sweden	807	8867	No data												
Switzerland	576	7171	1999	National	SAC (6-12)	600	115	39.5	35.6-43.4		2662	Adequate	Optimal iodine nutrition	228	2833
Syrian Arab Republic	3039	17381	No data												
Tajikistan	1108	6195	No data												
Thailand	7414	62193	2000	National	Pregnant women	3557	150	34.9	33.3-36.5		3554	Adequate	Optimal iodine nutrition	2588	21705
The former Yugoslav Republic of Macedonia	213	2046	2002	National	SAC (7-11)	1216	199	11.8	10.0-13.6		3609	Adequate	Optimal iodine nutrition	25	241
Timor Leste	147	739	No data												
Togo	927	4801	1999	Local	SAC (6-12)	381	116	42.8	37.8-47.8	Thyromobile study.	2535	Adequate	Optimal iodine nutrition	397	2055

Table A3.1

Member State	Population year 2002 ^a		Survey data								Bibliographic references ^b	Classification of iodine intake	Classification of iodine nutrition	Population with insufficient iodine intake		
	6-12 years (000)	General (000)	Date of survey (years)	Level of survey	Population group and age (years)	Sample size	Median UI (µg/l)	Proportion of population with UI <100 µg/l (%)	95% CI of proportion of population with UI <100 µg/l (%)	Notes				6-12 years (000)	General population (000)	
Tonga	17	103	No data													
Trinidad and Tobago	147	1298	No data													
Tunisia	1364	9728	1996-1997	National	SAC (6-9)	94	164	26.4	17.5-35.3	Median calculated from % <100 µg/l.	2485	Adequate	Optimal iodine nutrition	360	2568	
Turkey	10 119	70318	1997-1999	National	SAC (9-11)	5948	36	74.6	73.5-75.7	% <100 µg/l calculated from median.	3426	Insufficient	Moderate iodine deficiency	7549	52457	
Türkmenistan	821	4794	1999	Local	SAC (8-10)	65	64	65.6	54.1-77.2	% <100 µg/l calculated from median.	3620	Insufficient	Mild iodine deficiency	539	3145	
Tuvalu	1	10	No data													
Uganda	5226	25004	1999	National	SAC (6-12)	293	310	11.9	8.2-15.6	% <100 µg/l from disaggregated data by district pooled.	2582	Excessive	Risk of adverse health consequences	622	2975	
Ukraine	4114	48902	1991-1996, 1996-1999	Local	SAC (5-20)	3506	50	70.1	68.6-71.6	Medians and % <100 µg/l from two local surveys pooled.	1238, 3600	Insufficient	Mild iodine deficiency	2884	34280	
United Arab Emirates	361	2937	1994	Region	SAC (9-13)	258	91	56.6	50.6-62.7	Survey in six endemic zones.	483	Insufficient	Mild iodine deficiency	205	1662	
United Kingdom of Great Britain and Northern Ireland	5349	59068	No data													
United Republic of Tanzania	7282	36276	1996	State	SAC (8-9)	586	127	37.7	33.8-41.6		1772	Adequate	Optimal iodine nutrition	2745	13676	
United States of America	29 589	291038	1988-1994	National	SAC (6-11)	3058	237	9.5	8.5-10.5	% <100 µg/l calculated from median.	1523	More than adequate	Risk of IHH in susceptible groups	2811	27649	
Uruguay	388	3391	No data													
Uzbekistan	4316	25705	1998	National	SAC (7-10)	800	36	97.4	96.3-98.5	Median calculated from % <100 µg/l.	570	Insufficient	Moderate iodine deficiency	4204	25037	
Vanuatu	38	207	No data													
Venezuela	3869	25226	2000, 2001	State	SAC	1040	286	0.0	0.0-0.0	Medians from disaggregated data by district from three state surveys pooled. % <100 µg/l calculated from median.	3168 3168 3168	More than adequate	Risk of IHH in susceptible groups	0	0	
Viet Nam	12 520	80278	1993	National	SAC (8-12)	3062	40	84.0	82.7-85.3	Median calculated from % <100 µg/l.	1076	Insufficient	Moderate iodine deficiency	10517	67434	
Yemen	4065	19315	1998	National	SAC (6-12)	974	173	30.2	27.3-33.1	% <100 µg/l calculated from median.	1561	Adequate	Optimal iodine nutrition	1228	5833	
Zambia	2176	10698	1993	National	SAC	2505	60	72.0	70.2-73.8		394	Insufficient	Mild iodine deficiency	1567	7703	
Zimbabwe	2555	12835	1999	National	SAC (6-14)	847	245	14.8	12.4-17.2		2641	More than adequate	Risk of IHH in susceptible groups	378	1900	

^a (UN 2003)

^b Numeric references correspond to those on the WHO web site [<http://www3.who.int/whosis/micronutrient/>].

CI Confidence interval; NS Non specified; P Published; SAC School-age children