World Health Organization

Vitamin and Mineral Nutrition Information System (VMNIS)

WHO Global Database on Iodine Deficiency

The database on iodine deficiency includes data by country on goitre prevalence and/or urinary iodine concentration

ITALY

Last Updated: 2007-07-26

Level	Date	Region and sample descriptor	Sex	Age (years)	Sample size	Goitre prevalence (%)			Urinary iodine (µg/L)									Reference	Notes	
									Distribution (%)					Prevalence (%)						
						Grade 1	Grade 2	TGP	<20	20-49	50-99	100-299	>300	<100	Median	Mean	SD		General	Line
R	2003P	*Piemonte and Aosta Valley regions: Men: Total*	*M*	*18.00 - 18.99*	3837						*39.3*		*2.6*	*48.4*	*101.8*	*117.8*		4909	*	
		Men by province: Aosta	*M*	*18.00 - 18.99*	116						*40.5*		*1.7*	*48.3*	*103.6*	*114.3*				
		Men by province: Biella	*M*	*18.00 - 18.99*	170						*39.2*		*0.6*	*46.3*	*104.2*	*110.3*				
		Men by province: Cuneo	*M*	*18.00 - 18.99*	626						*39.1*		*2.1*	*47.2*	*102.4*	*117.6*				
		Men by province: Novara	*M*	*18.00 - 18.99*	350						*34.7*		*2.3*	*43.2*	*108.2*	*120.4*				
		Men by province: Torino	*M*	*18.00 - 18.99*	2282						*40.0*		*3.0*	*49.5*	*100.4*	*119.4*				
		Men by province: Vercelli	*M*	*18.00 - 18.99*	157						*35.0*		*3.2*	*49.0*	*98.8*	*106.1*				
		Men by province: Verbania	*M*	*18.00 - 18.99*	136						*45.3*		*2.9*	*51.8*	*100.2*	*110*				
R	2003P	*Veneto region: SAC: Total*	*B*	*11.00 - 14.99*	1368						*27.3*			*34.9*		*148*	*110.0*	4910	*	1
		SAC by location: Plain towns	*B*	*11.00 - 14.99*	387						*32.6*			*41.3*						2
		SAC by location: Mountain/pre-mountain	*B*	*11.00 - 14.99*	961						*25.2*			*32.3*						3
		Veneto region: SAC	B	11.00 - 14.99	1730	7.5	0.0	7.5											*	
S	2002 -2003	*Biella province: SAC by age*	*B*	*8.00 - 12.80*	NS										*159.0*			5608	*	4
		Biella province: SAC by age	*B*	*12.20 - 15.00*	NS										*150.0*					5
R	2002	*Piedmont region: SAC: Total*	*B*	*11.00 - 15.99*	2178									*39.0*	*115.8*			5405	*	6
		SAC by sex	*F*	*11.00 - 15.99*	1065									*37.2*	*116.7*					7
		SAC by sex	*M*	*11.00 - 15.99*	1113									*40.6*	*114.7*					8
		SAC by area: Urban	*B*	*11.00 - 15.99*	NS									*40.4*	*113.2*					9
		SAC by area: Rural	*B*	*11.00 - 15.99*	NS									*37.6*	*118.2*					10
		SAC by province: Asti	*B*	*11.00 - 15.99*	NS									*46.4*	*102.1*					11
		SAC by province: Cuneo	*B*	*11.00 - 15.99*	NS									*42.0*	*111.4*					12
		SAC by province: Turin	*B*	*11.00 - 15.99*	NS									*38.9*	*116.5*					13
		SAC by province: Verbania	*B*	*11.00 - 15.99*	NS									*32.6*	*120.9*					14
		Piedmont region: SAC: Total	B	11.00 - 15.99	2178			6.3											*	
		SAC by area: Urban	B	11.00 - 15.99	NS			5.6												
		SAC by area: Rural	B	11.00 - 15.99	NS			7.0												
R	1999P	*SAC: Total*	*B*	*8.00 - 10.99*	847						*33.9*			*47.8*	*121.0*			1272	*	15
		SAC by sex	*M*	*8.00 - 10.99*	438										*124.0*					
		SAC by sex	*F*	*8.00 - 10.99*	409										*119.0*					
		SAC by area: Urban	*B*	*8.00 - 10.99*	NS										*124.0*					
		SAC by area: Rural	*B*	*8.00 - 10.99*	NS										*113.0*					
L	1999P	*Pescopagano village: All*	*B*	*1.00 - NS*	1411									*81.0*	*55.0*	*76*	*53.0*	1278	*	

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Level	Date	Region and sample descriptor	Sex	Age (years)	Sample size	Goitre prevalence (%)			Urinary iodine (µg/L)									Reference	Notes	
									Distribution (%)					Prevalence (%)						
						Grade 1	Grade 2	TGP	<20	20-49	50-99	100-299	>300	<100	Median	Mean	SD		General	Line
L	1999P	*Val Sarmento 5 villages: SAC*	*B*	*6.00 - 14.99*	209										*62.2*	*81*	*60.0*	2059	*	16
		Val Sarmento 5 villages: SAC	B	6.00 - 14.99	244	23.4	1.6	25.0											*	
R	1999P	*Lombardia region: SAC*	*B*	*8.00 - 10.99*	240										*126.0*			3383	*	
		Piemonte region: SAC	*B*	*8.00 - 10.99*	278										*122.5*					
D	1998P	*Castel d'Aiano village: SAC*	*B*	*NS*	68										*123.0*			1286	*	17
		Gaggio Montano village: SAC	*B*	*NS*	140										*116.0*					18
		Pietracolora village: SAC	*B*	*NS*	25										*80.0*					19
		Bologna urban area: SAC	*B*	*NS*	175										*159.0*					20
		Castel d'Aiano village: SAC	B	NS	68			13.2											*	
		Gaggio Montano village: SAC	B	NS	140			19.2												
		Pietracolora village: SAC	B	NS	25			24.0												
		Bologna urban area: SAC	B	NS	175			6.3												
D	1998P	*Reggio Emilia district: SAC*	*B*	*12.00 - 14.99*	837									*57.8*	*85*	*108.7*	*79.8*	1287	*	
		Reggio Emilia district: SAC	B	12.00 - 14.99	1020			26.2											*	21
L	1998P	*Rome: SAC*	*B*	*6.00 - 14.99*	1040									*56.8*	*92.0*	*98.52*	*49.81*	3435	*	
		Rome: SAC	B	6.00 - 14.99	1040	9.6	0.2	9.8											*	
L	1997P	*3 villages in Tiberina Valley: SAC: Total*	*B*	*7.00 - 14.99*	280						*20.0*			*43.0*	*98.0*			1273	*	22
		SAC by village: Badia Tedala	*B*	*7.00 - 14.99*	107										*109.0*					
		SAC by village: Caprese Michelangelo	*B*	*7.00 - 14.99*	96										*82.0*					
		SAC by village: Sestino	*B*	*7.00 - 14.99*	77										*60.0*					
		3 villages in Tiberina Valley: SAC: Total	B	7.00 - 14.99	280			10.0											*	
		SAC by village: Badia Tedalda	B	7.00 - 14.99	107			6.0												
		SAC by village: Caprese Michelangelo	B	7.00 - 14.99	96			12.5												
		SAC by village: Sestino	B	7.00 - 14.99	77			12.0												
L	1994	*ThyroMobil study 2 sites: SAC*	*B*	*6.00 - 15.99*	320										*69.0*			1319	*	23
L	1994P	*Urban areas of Bologna, Lucca, Grosseto and Pis*	*B*	*6.00 - 14.99*	2693										*110.0*			3419	*	
		Pescopagano village: SAC	*B*	*6.00 - 14.99*	268										*72.0*					
		Urban areas of Bologna, Lucca, Grosseto and Pis	B	6.00 - 14.99	2693			6.1											*	
		Pescopagano village: SAC	B	6.00 - 14.99	268			22.0												
S	1993 -1996	*Avellino province: Pre-SAC/SAC*	*B*	*NS*	1217										*51.6*	*64.9*	*48.0*	1292	*	

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									Distribution (%)					Prevalence (%)						
						Grade 1	Grade 2	TGP	<20	20-49	50-99	100-299	>300	<100	Median	Mean	SD		General	Line
S	1993 -1996	*Caserta province: Pre-SAC/SAC*	*B*	*NS*	421										*63.0*	*78.3*	*53.0*	1292		
		Napoli city: Pre-SAC/SAC	*B*	*NS*	491										*85.8*	*102.4*	*66.0*			
		Avellino province: Adults/Elderly	*B*	*NS*	755										*42.2*	*53.3*	*45.0*			
		Benevento province: Adults/Elderly	*B*	*NS*	551										*29.6*	*44.3*	*44.2*			
S	1993 -1995	*Altavilla village: SAC*	*B*	*6.00 - 14.99*	341										*62.4*			1291	*	
		Castel del Lago village: SAC	*B*	*6.00 - 14.99*	17										*58.3*					
		Chiance village: SAC	*B*	*6.00 - 14.99*	59										*66.2*					
		Dentecane village: SAC	*B*	*6.00 - 14.99*	49										*61.8*					
		Flumeri village: SAC	*B*	*6.00 - 14.99*	270										*46.8*					
		Pietradefusi village: SAC	*B*	*6.00 - 14.99*	139										*48.5*					
		Torre le Nocelle village: SAC	*B*	*6.00 - 14.99*	109										*44.8*					
		Tufo village: SAC	*B*	*6.00 - 14.99*	51										*63.1*					
		Venticano village: SAC	*B*	*6.00 - 14.99*	190										*42.3*					
		Villanova village: SAC	*B*	*6.00 - 14.99*	127										*51.9*					
		Altavilla village: Adults	*B*	*NS*	201										*51.7*					
		Castel del Lago village: Adults	*B*	*NS*	8										*46.6*					
		Chiance village: Adults	*B*	*NS*	29										*45.5*					
		Dentecane village: Adults	*B*	*NS*	17										*59.0*					
		Flumeri village: Adults	*B*	*NS*	231										*38.5*					
		Pietradefusi village: Adults	*B*	*NS*	65										*37.1*					
		Torre le Nocelle village: Adults	*B*	*NS*	79										*40.1*					
		Tufo village: Adults	*B*	*NS*	45										*53.7*					
		Venticano village: Adults	*B*	*NS*	153										*40.5*					
		Villanova village: Adults	*B*	*NS*	115										*40.2*					
		Avellino province: SAC: Total	B	6.00 - 14.99	1352	39.4	2.0	41.4											*	
		Avellino province: Adults: Total	B	NS	943	55.6	20.9	76.4												
		SAC by sex	F	6.00 - 14.99	653	43.2	3.2	46.4												
		SAC by sex	M	6.00 - 14.99	699	35.9	0.8	36.7												
		Women	F	NS	767	57.2	24.1	81.3												
		Men	M	NS	176	48.3	7.8	55.1												
L	1993	*Val Tiberina area: SAC*	*B*	*6.00 - 14.99*	NS										*91.0*			3434a	*	
R	1992 -1994	*Veneto region: SAC: Total*	*B*	*8.00 - 10.99*	1883						*28.8*			*43.7*		*142*	*116.0*	2058	*	24
		SAC by location: Plain cities	*B*	*8.00 - 10.99*	565						*30.1*			*43.4*		*148*	*120.0*			25
		SAC by location: Belluno and its districts	*B*	*8.00 - 10.99*	544						*24.4*			*40.4*		*155*	*131.0*			26
		SAC by district: Treviso	*B*	*8.00 - 10.99*	320						*27.8*			*43.4*		*130*	*89.0*			27

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									Distribution (%)					Prevalence (%)						
						Grade 1	Grade 2	TGP	<20	20-49	50-99	100-299	>300	<100	Median	Mean	SD		General	Line
R	1992 -1994	*SAC by district: Vecenza*	*B*	*8.00 - 10.99*	454						*33.0*			*48.0*		*130*	*105.0*	2058		28
		Veneto region: SAC: Total	B	8.00 - 10.99	5439	8.8		8.8											*	
		SAC by location: Plain Cities	B	8.00 - 10.99	1928	6.6		6.6												
		SAC by location: Belluno and its districts	B	8.00 - 10.99	990	6.1		6.1												
		SAC by district: Treviso District	B	8.00 - 10.99	1232	11.7		11.7												
		SAC by district: Vecenza District	B	8.00 - 10.99	1289	12.1		12.1												
L	1992	*Val Tiberina area: SAC*	*B*	*7.00 - 14.99*	280										*98.0*			1293	*	
L	1992	*Colline metalifere area: SAC*	*B*	*6.00 - 14.99*	NS										*85*			3434b	*	
L	1991	*Borgo a Mozzano village: SAC*	*B*	*NS*	719										*64*	*80.1*	*57*	3417	*	
		Marina di Pisa village: SAC	*B*	*NS*	106										*142*	*173*	*95*			
		Vagli village: SAC	*B*	*NS*	307										*109*	*47*	*22*			
		Borgo a Mozzano village: SAC	B	NS	719	9.1	0.0	9.1											*	
		Marina di Pisa village: SAC	B	NS	106	3.3	0.0	3.3												
		Vagli village: SAC	B	NS	307	8.0	0.0	8.0												
L	1991	*Garfagnana area: SAC*	*B*	*6.00 - 14.99*	NS										*147*			3434c	*	
R	1990 -1996	*Calabria region: Inland territory: SAC*	*B*	*6.00 - 14.99*	191											*53.8*	*43.4*	3420	*	
		Calabria region: Sea level: SAC	*B*	*6.00 - 14.99*	93											*89.6*	*58.8*			
		Calabria region: SAC by sex	F	6.00 - 14.99	6812			42.8											*	
		Calabria region: SAC by sex	M	6.00 - 14.99	7172			28.2												
		Calabria region: Inland territory: SAC	B	6.00 - 14.99	10243			40.7												
		Calabria region: Sea level: SAC	B	6.00 - 14.99	3741			16.3												
L	1989P	*Varsi and Bardi towns: SAC*	*B*	*5.00 - 15.99*	382											*60.5*	*1.9*	525	*	
		Varsi and Bardi towns: SAC: Total	B	5.00 - 15.99	450	46.4	8.0	54.4											*	
		SAC by sex	F	5.00 - 15.99	205	52.7	12.7	65.4												
		SAC by sex	M	5.00 - 15.99	245	41.2	4.1	45.3												
		SAC by age	B	5.00 - 7.99	94	28.7	2.1	30.8												
		SAC by age	B	8.00 - 10.99	117	42.7	7.7	50.4												
		SAC by age	B	11.00 - 13.99	115	48.4	7.1	55.5												
		SAC by age	B	14.00 - 15.99	84	67.9	16.7	84.6												
L	1988	*App. Pistoiese area: SAC*	*B*	*6.00 - 14.99*	NS										*55*			3434d	*	
		App. Pistoiese area: SAC	B	6.00 - 14.99	NS			41.0											*	

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									Distribution (%)					Prevalence (%)						
						Grade 1	Grade 2	TGP	<20	20-49	50-99	100-299	>300	<100	Median	Mean	SD		General	Line
S	1987 -1989	*Catanzaro province: SAC*	*B*	*6.00 - 12.99*	589											*49.7*		2057	*	29
		Cosenza province: SAC	*B*	*6.00 - 12.99*	377											*70.7*				30
		Rende commune: SAC	*B*	*6.00 - 12.99*	125											*104*				31
		Catanzaro province: SAC: Total	B	6.00 - 12.99	4468			53.0											*	
		Cosenza province: SAC: Total	B	6.00 - 12.99	2721			44.0												
		SAC by commune: Aiello	B	6.00 - 12.99	99			39.0												32
		SAC by commune: Albi	B	6.00 - 12.99	31			58.0												33
		SAC by commune: Amantea	B	6.00 - 12.99	818			44.0												34
		SAC by commune: Andali	B	6.00 - 12.99	70			53.0												35
		SAC by commune: Belcastro	B	6.00 - 12.99	107			61.0												36
		SAC by commune: Belmonte Central	B	6.00 - 12.99	87			34.0												37
		SAC by commune: Botricello	B	6.00 - 12.99	451			44.0												38
		SAC by commune: Cerva	B	6.00 - 12.99	134			54.0												39
		SAC by commune: Cleto	B	6.00 - 12.99	62			55.0												40
		SAC by commune: Contronei	B	6.00 - 12.99	416			59.0												41
		SAC by commune: Cropani	B	6.00 - 12.99	272			52.0												42
		SAC by commune: Fiumefreddo	B	6.00 - 12.99	129			51.0												43
		SAC by commune: Fossato Serralta	B	6.00 - 12.99	18			55.0												44
		SAC by commune: Lago	B	6.00 - 12.99	146			68.0												45
		SAC by commune: Laino Borgo	B	6.00 - 12.99	140			41.0												46
		SAC by commune: Laino Castello	B	6.00 - 12.99	42			69.0												47
		SAC by commune: Longobardi	B	6.00 - 12.99	156			47.0												48
		SAC by commune: Mesoraca	B	6.00 - 12.99	762			62.0												49
		SAC by commune: Morano	B	6.00 - 12.99	290			31.0												50
		SAC by commune: Mormanno	B	6.00 - 12.99	221			27.0												51
		SAC by commune: Petilia P.	B	6.00 - 12.99	586			65.0												52
		SAC by commune: Petrona	B	6.00 - 12.99	243			54.0												53
		SAC by commune: Rende	B	6.00 - 12.99	1170			7.7												54
		SAC by commune: Rocca Bernarda	B	6.00 - 12.99	269			54.0												55
		SAC by commune: S. Severina	B	6.00 - 12.99	246			52.0												56
		SAC by commune: San Basile	B	6.00 - 12.99	55			45.0												57
		SAC by commune: San Pietro	B	6.00 - 12.99	44			25.0												58
		SAC by commune: Sant'Elia	B	6.00 - 12.99	65			15.0												59
		SAC by commune: Saracena	B	6.00 - 12.99	397			47.0												60
		SAC by commune: Serra	B	6.00 - 12.99	35															61
		SAC by commune: Sersale	B	6.00 - 12.99	400			57.0												62
		SAC by commune: Simeri Crichi	B	6.00 - 12.99	158			64.0												63

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									Distribution (%)					Prevalence (%)						
						Grade 1	Grade 2	TGP	<20	20-49	50-99	100-299	>300	<100	Median	Mean	SD		General	Line
S	1987 -1989	SAC by commune: Sorbo	B	6.00 - 12.99	24			54.0										2057		64
		SAC by commune: Taverna	B	6.00 - 12.99	81			36.0												65
		SAC by commune: Zagarise	B	6.00 - 12.99	135			67.0												66
L	1986	*Val di Nievole area: SAC*	*B*	*6.00 - 14.99*	NS										*49*			3434e	*	
		Val di Nievole area: SAC	B	6.00 - 14.99	NS			48.0											*	
L	1985 -1989	*Teano area: SAC*	*B*	*10.00 - 16.99*	502													2056	*	67
		Teano area: SAC: Total	B	10.00 - 16.99	502	68.3	0.6	68.9											*	
		SAC by sex	F	10.00 - 16.99	249	71.9	0.8	72.7												
		SAC by sex	M	10.00 - 16.99	253	64.8	0.4	65.2												
L	1985	*Val Tiberina area: SAC*	*B*	*6.00 - 14.99*	NS										*39*			3434f	*	
		Val Tiberina area: SAC	B	6.00 - 14.99	NS			51.0											*	

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NOTES

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Reference no	4909
General Notes:	*Sample comprised of consecutive young men undergoing medical examination preliminary to military service in the regions of Piemonte (Alessandria and Asti provinces not included) and Aosta Valley.*
Reference no	4910
General Notes:	*Sample comprised of SAC from the Veneto region (towns selected from the provinces of Padura, Vicenza, Sottomarina di Chioggia, Treviso, Vincenza and Belluno); thyroid volume measured by ultrasonography, values not reported in the database.*
Line note 1	UI <50 µg/L: 7.6%
Line note 2	UI <50 µg/L: 8.8%. Plain towns: One town from each of the provinces of Padura, Vincenza and Sottomarina di Chioggia.
Line note 3	UI <50 µg/L: 7.2%; Mountain/pre-mountain: One town from each of the provinces of Treviso, Vicenza and Belluno.
Reference no	5608
General Notes:	*Sample comprised of SAC from the province of Biella; goitre investigated by ultrasonography, values not included in the database.*
Line note 4	UI median range: 107.0-228.0 µg/L
Line note 5	Median range: 92.0-218.0 µg/L
Reference no	5405
General Notes:	*Sample comprised of SAC from 8 rural/mountain villages of 4 different provinces (Turin, Cuneo, Asti and Verbania) and Turin urban area in the region of Piedmont; all children had been living in the selected areas fore more than 5 years; goitre investigated by ultrasonography, values not included in the database; data from the Turin urban sample also reported in reference No. 5403.*
Line note 6	UI <50 µg/L: 6.8%
Line note 7	UI <50 µg/L: 6.5%
Line note 8	UI <50 µg/L: 7.1%
Line note 9	UI <50 µg/L: 6.3%
Line note 10	UI <50 µg/L: 7.3%
Line note 11	UI <50 µg/L: 11.4%
Line note 12	UI <50 µg/L: 6.9%
Line note 13	UI <50 µg/L: 6.4%
Line note 14	UI <50 µg/L: 6.6%
Reference no	1272
General Notes:	*Population-based sample with individuals evenly distributed from hill, sea, mountain, and plain areas; Sicily and Sardinia islands not included in the sample.*
Line note 15	UI <50 µg/L: 13.9%
Reference no	1278
General Notes:	*Survey in an endemic area of southern Italy, village Pescopagano located in the Lucan Apennines; the sample size represents 91 % of children 1-14 years old and 73% of adults above 15 years; goitre investigated by ultrasonography, values not included in the database.*
Reference no	2059
General Notes:	*Survey in 5 villages of Val Sarmento, Basilicata region; previously endemic area; sample represented 80% of SAC at school on the survey day.*
Line note 16	UI median range: 5.4-341.9 µg/L

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Reference no 3383
General Notes: *Sample comprised of SAC from the regions of Lombardia and Piemonte.*

Reference no 1286
General Notes: *Sample comprised of SAC from 3 villages (Castel d'Aiano, Gaggio Montano and Pietracolora) of the Appennines and urban area of Bolonga, Bolonga district, Emilia Romagna region.*
Line note 17 UI <50 µg/L: 7.9%
Line note 18 UI <50 µg/L: 12.7%
Line note 19 UI <50 µg /L: 23.1%
Line note 20 UI <50 µg /L: 2.8%
Reference no 1287
General Notes: *Sample comprised of SAC from the district of Reggio Emilia; goitre investigated by ultrasonography, values not included in the database.*
Line note 21 Goitre prevalence may be overestimated by palpation.

Reference no 3435
General Notes: *Sample comprised of SAC from one school in the village of Breda, an urban zone of Rome; goitre investigated by ultrasongraphy, values not included in the database.*
Reference no 1273
General Notes: *Sample comprised of SAC from 3 villages (Badia Tedala, Caprese Michelangelo and Sestino) of the Tiberina Valley in east Tuscany region; the sample size represents 96% of the SAC population; goitre investigated by ultrasonography, values not included in the database.*
Line note 22 UI <50 µg/L: 23.0%

Reference no 1319
General Notes: *The ThyroMobil study in Italy covered 2 sites; prevalence of goitre determined by ultrasonography, values not reported in the database; data extracted from references No. 1319 and 3384.*
Line note 23 UI median range: 54.0-84.0 µg/L
Reference no 3419
General Notes: *Sample comprised SAC from urban areas of northern and central Italy, Bologna, Lucca, Grosseto and Pisa and SAC from the village of Pescopagano, southern Italy.*

Reference no 1292
General Notes: *Sample comprised children and adults aged 3-90 years from the provinces of Avellino, Benevento and Caserta (rural areas) and the city of Napoli.*
Reference no 1291
General Notes: *Sample comprised of SAC and adults from 10 villages in the province of Avellino.*
Reference no 3434a
General Notes: *Sample comprised SAC from the Val Tiberina area, Tuscany region; goitre investigated by ultrasonograhpy, values not included in the database.*
Reference no 2058
General Notes: *Sample comprised of SAC from the Veneto region; same survey reported in reference No. 1284.*
Line note 24 UI 50 µg/L: 14.9%, UI 100-200 µg/L: 36.2%, UI >200 µg/L: 20.1%
Line note 25 UI <50 µg/L: 13.3%, UI 100-200 µg/L: 35.9%, UI >200 µg/L: 20.7%
Line note 26 UI <50 µg/L: 16.0%, UI 100-200 µg/L: 34.2%; UI >200 µg/L: 25.4%
Line note 27 UI <50 µg/L: 15.6%, UI 100-200 µg/L: 40.0%, UI >200 µg/L: 16.6%
Line note 28 UI <50 µg/L: 15.0%, UI 100-200 µg/L: 36.6%, UI >200 µg/L: 15.4%
Reference no 1293
General Notes: *Sample comprised SAC from the area of Val Tiberina, Tuscany region; goitre investigated by ultrasonography, values not included in the database.*

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Reference no	3434b
General Notes:	*Sample comprised SAC from the Colline metalifere area, Tuscany region; goitre investigated by ultrasonograhpy, values not included in the database.*
Reference no	3417
General Notes:	*Sample comprised the entire schoolchildren population living in 3 different areas of Tuscany region: Borgo a Mozzano, hilly village and known iodine deficient, Marina di Pisa, located at sea level, known iodine sufficient area and Vagli, mountainous village former iodine deficient area.*
Reference no	3434c
General Notes:	*Sample comprised SAC from the Garfagnana metalifere area, Tuscany region; goitre investigated by ultrasonograhpy, values not included in the database.*
Reference no	3420
General Notes:	*Sample comprised SAC selected from the 5 provinces of Calabria region; urinary iodine measured in SAC from the provinces of Crotone and Reggio Calabria.*
Reference no	525
General Notes:	*Sample comprised of SAC from the towns of Varsi and Bardi, Parma province (Appennine Mountains); results for Varsi town also reported in reference No. 1274.*
Reference no	3434d
General Notes:	*Sample comprised SAC from the App. Pistoiese area, Tuscany region.*
Reference no	2057
General Notes:	*Sample comprised SAC from the Catanzaro province (19 communes), Cosenza province (15 communes) and Rende commune (Cosenza province), Calabria region.*
Line note 29	Cosenza province.
Line note 30	Catanzaro province.
Line note 31	Cosenza province.
Line note 32	Catanzaro province.
Line note 33	Catanzaro province.
Line note 34	Cosenza province.
Line note 35	Catanzaro province.
Line note 36	Catanzaro province.
Line note 37	Cosenza province.
Line note 38	Catanzaro province.
Line note 39	Catanzaro province.
Line note 40	Cosenza province.
Line note 41	Catanzaro province.
Line note 42	Cosenza province.
Line note 43	Cosenza province.
Line note 44	Cosenza province.
Line note 45	Cosenza province.
Line note 46	Catanzaro province.
Line note 47	Cosenza province.
Line note 48	Cosenza province.
Line note 49	Catanzaro province.
Line note 50	Catanzaro province.
Line note 51	Cosenza province; control group.
Line note 52	Catanzaro province.
Line note 53	Catanzaro province.
Line note 54	Cosenza province.

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Line note 55 Cosenza province.
Line note 56 Catanzaro province.
Line note 57 Cosenza province.
Line note 58 Cosenza province.
Line note 59 Catanzaro province.
Line note 60 Catanzaro province.
Line note 61 Catanzaro province.
Line note 62 Catanzaro province.
Line note 63 Catanzaro province.
Line note 64 Standard error of the mean: 5.3 µg/L
Line note 65 Standard error of the mean: 3.1 µg/L
Line note 66 Standard error of the mean: 6.6 µg/L, control group.
Reference no 3434e
General Notes: *Sample comprised SAC from the Val di Nievole area, Tuscany region.*

Reference no 2056
General Notes: *Sample comprised SAC selected from the Teano area, Caserta province; UI expressed in µg/g creatinine, values reported in the respective line notes.*
Line note 67 UI <25 µg/g Cr: 17.9%, UI <50 µg/g Cr: 61.9%. UI mean (SD): 52 (32) µg/g Cr
Reference no 3434f
General Notes: *Sample comprised SAC from the Val Tiberina area, Tuscany region.*

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