

SWITZERLAND
Last Updated: 2007-05-23

Level	Date	Region and sample descriptor	Sex	Age (years)	Sample size	Goitre prevalence (%)			Urinary iodine (µg/L)							Notes										
						Grade 1	Grade 2	TGP	Distribution (%)					Prevalence (%)		Median	Mean	SD	Reference	General	Line					
									<20	20-49	50-99	100-299	>300	<100												
L	2005P	Jona: SAC	B	6.00 - 12.99	534								1.0		116.0			5175	*	1						
N	2004	National: SAC	B	6.00 - 12.99	386								4.0	24.0	141			5292	*	2						
		National: PW	F	NS	279										249						3					
L	1999P	Bern and Ticino cantons: All: Total	B	NS	167													1206	*	4						
		All by canton: Bern	B	NS	67																5					
		All by canton: Ticino	B	NS	100																6					
		All by location: Bern city	B	NS	34																7					
		All by location: Blenio Valley	B	NS	27																8					
		All by location: Chiasso city	B	NS	28																9					
		All by location: Emmental region	B	NS	33																10					
		All by location: Maggia Valley	B	NS	28																11					
		All by location: Verzasca Valley	B	NS	17																12					
		N	1999	National: SAC: Total	B	6.00 - 12.99	600																2662	*	13	
				National: PW	F	NS	511																			14
				SAC by sex	F	6.00 - 12.99	296																			
SAC by sex	M			6.00 - 12.99	304																					
SAC by age	B			6.00 - 9.99	289																					
SAC by age	B			10.00 - 12.99	308																					
L	1997 -1998	Engadine Valley and Lake Zürich area: SAC: Total	B	5.00 - 13.99	243													1208	*							
		SAC by location: Engadine Valley	B	5.00 - 13.99	112																					
		SAC by location: Lake Zürich area	B	5.00 - 13.99	131																					
L	1997	Lausanne: SAC	B	6.00 - 16.99	215										150	161		5291	*							
		Solothurn: SAC	B	6.00 - 16.99	208										151	161										
L	1995	Lausanne: SAC	B	11.00 - 17.99	279													1207	*							
		Lausanne: SAC: Total	B	11.00 - 17.99	297	14.7	0.3	15.0	2.5	9.0	45.1		56.6	92	100	47										
		SAC by sex	F	11.00 - 17.99	126	23.8	0.0	23.8																		
		SAC by sex	M	11.00 - 17.99	153	7.2	0.7	7.9																		
S	1994	Solothurn canton: SAC	B	6.00 - 11.99	214										110	117	58	1212	*							
		Solothurn canton: SAC: Total	B	6.00 - 11.99	217	12.9	0.9	13.8																		
		SAC by sex	F	6.00 - 11.99	114	12.3	1.7	14.0																		
		SAC by sex	M	6.00 - 11.99	103	13.6	0.0	13.6																		

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						Grade 1	Grade 2	TGP	Distribution (%)					Prevalence (%)	Median	Mean	SD	Reference	General	Line
									<20	20-49	50-99	100-299	>300	<100						
S	1988	Bern canton: SAC	B	7.00 - 16.99	245															
		Bern canton: SAC	B	7.00 - 16.99	1107	11.8	0.3	11.1											*	
		SAC by sex	F	7.00 - 16.99	581	12.9	0.5	12.9											*	
		SAC by sex	M	7.00 - 16.99	526	9.8	0.2	9.1												

NOTES

SWITZERLAND

- Reference no** 5175
General Notes: *Sample comprised of SAC from Jona (sample part of a multiethnic study); goitre investigated by ultrasonography, values not included in the database.*
Line note 1 Mean age (SD): 9.6 (1.9) years, UI median range: 2-450 µg/L
- Reference no** 5292
General Notes: *Facility based study (schools for SAC and hospitals and private clinics for PW); PW in 2nd and 3rd trimester; three-stage cluster sampling with probability proportionate to size; same survey reported in reference No. 5442.*
Line note 2 Mean age: 9.9 years.
Line note 3 Mean age: 29.1 years. UI <140 µg/L: 23.0%
- Reference no** 1206
General Notes: *Survey in 4 sites in canton Ticino and 2 sites in canton Bern; UI expressed in µg/g creatinine, values reported in the respective line notes.*
Line note 4 UI mean (SD): 101(17) µg/g Cr
Line note 5 UI mean (SD): 95 (5) µg/g Cr
Line note 6 UI mean (SD): 104 (22) µg/g Cr
Line note 7 UI mean (SD): 92 (48) µg/g Cr
Line note 8 UI mean (SD): 96 (32) µg/g Cr
Line note 9 UI mean (SD): 79 (37) µg/g Cr
Line note 10 UI mean (SD): 99 (53) µg/g Cr
Line note 11 UI mean (SD): 130 (73) µg/g Cr
Line note 12 UI mean (SD): 110 (152) µg/g Cr
- Reference no** 2662
General Notes: *Facility based study (schools for SAC, hospitals and private clinics for PW); PW mainly 2nd and 3rd trimester; three-stage probability proportionate to size cluster sampling; goitre investigated by ultrasonography, values not included in the database; additional information on disaggregated data provided by investigators; same survey reported in reference No. 5292.*
Line note 13 UI <50 µg/L: 8.5%. Mean age: 9.5 years.
Line note 14 Mean age: 29.5 years.
- Reference no** 1208
General Notes: *Sample comprised SAC from the Engadine Valley and 4 sites in Lake Zürich area.*
- Reference no** 5291
General Notes: *Sample comprised of SAC from 2 cities, Lausanne and Solothurn; 4 children excluded due to excess urinary iodine level (UI >500 µg/L); goitre investigated by ultrasonography, values not included in the database.*
- Reference no** 1207
General Notes: *Sample comprised SAC from Lausanne, canton Vaud; goitre investigated by ultrasonography, values not included in the database.*
- Reference no** 1212
General Notes: *Sample comprised SAC from the canton of Solothurn (municipalities included: Bellach, Biberist, Deitingen, Langendorf, Luterbach and Solothurn city).*
- Reference no** 1211
General Notes: *Sample comprised SAC from the canton of Bern (6 previous known endemic areas included: Bern city, Konolfingen, Seftigen, Thun, Niedersimmental and Obersimmental); UI expressed in µg/g creatinine, values reported in the respective line notes.*
Line note 15 UI median: 141.8 µg/g Cr, UI mean (SD): 159.6 (879.6) µg/g Cr

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SWITZERLAND

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SWITZERLAND

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