

**EGYPT**
**Last Updated: 2006-12-28**

Level	Date	Region and sample descriptor	Sex	Age (years)	Sample size	Goitre prevalence (%)			Urinary iodine (µg/L)							Reference	Notes				
						Grade 1	Grade 2	TGP	Distribution (%)					Prevalence (%)			Median	Mean	SD	General	Line
									<20	20-49	50-99	100-299	>300	<100							
L	2004P	Cairo: SAC	B	5.00 - 13.99	99				4.0	27.3	60.6			91.9	70.0		5389	*	1		
S	1998	3 governorates: SAC: Total	B	6.00 - 10.99	706									31.2			2639	*			
		SAC by sex	F	6.00 - 10.99	331									32.3							
		SAC by sex	M	6.00 - 10.99	375									30.1							
		SAC by sex and governorate: Cairo urban	F	6.00 - 10.99	113									26.5	128.5						
		SAC by sex and governorate: El-Sharkia urban	F	6.00 - 10.99	49									34.7	111						
		SAC by sex and governorate: El-Sharkia rural	F	6.00 - 10.99	56									33.9	110						
		SAC by sex and governorate: Quena urban	F	6.00 - 10.99	51									31.4	109						
		SAC by sex and governorate: Quena rural	F	6.00 - 10.99	62									40.3	107						
		SAC by sex and governorate: Cairo urban	M	6.00 - 10.99	133									27.8	120						
		SAC by sex and governorate: El-Sharkia urban	M	6.00 - 10.99	61									29.5	111.5						
		SAC by sex and governorate: El-Sharkia rural	M	6.00 - 10.99	51									29.4	118						
		SAC by sex and governorate: Quena urban	M	6.00 - 10.99	70									30.0	112						
		SAC by sex and governorate: Quena rural	M	6.00 - 10.99	60									36.7	110						
		3 governorates: SAC: Total	B	6.00 - 10.99	3000													*			
		SAC by sex	F	6.00 - 10.99	1497																
		SAC by sex	M	6.00 - 10.99	1503																
		SAC by area: Urban	B	6.00 - 10.99	2000	12.6	0.2	12.8													
		SAC by area: Rural	B	6.00 - 10.99	1000	20.9	0.6	21.5													
		SAC by sex and area: Urban	F	6.00 - 10.99	997	14.9	0.2	15.0													
		SAC by sex and area: Rural	F	6.00 - 10.99	500	23.6	0.4	24.0													
		SAC by sex and area: Urban	M	6.00 - 10.99	1003	10.4	0.1	10.5													
		SAC by sex and area: Rural	M	6.00 - 10.99	500	18.2	0.8	19.0													
		SAC by governorate: Cairo urban	B	6.00 - 10.99	1000	3.2		3.2													
		SAC by governorate: El-Sharkia urban	B	6.00 - 10.99	500	4.6		4.6													
		SAC by governorate: El-Sharkia rural	B	6.00 - 10.99	500	3.8		3.8													
		SAC by governorate: Quena urban	B	6.00 - 10.99	500	39.4	0.6	40.0													
		SAC by governorate: Quena rural	B	6.00 - 10.99	500	38.0	1.2	39.2													
		SAC by sex and governorate: Cairo urban	F	6.00 - 10.99	497	4.4		4.4													
		SAC by sex and governorate: El-Sharkia: urban	F	6.00 - 10.99	250	6.8		6.8													
		SAC by sex and governorate: El-Sharkia rural	F	6.00 - 10.99	250	5.2		5.2													
		SAC by sex and governorate: Quena urban	F	6.00 - 10.99	250	43.6	0.8	44.4													
		SAC by sex and governorate: Quena rural	F	6.00 - 10.99	250	42.0	0.8	42.8													
		SAC by sex and governorate: Cairo urban	M	6.00 - 10.99	503	2.0		2.0													
		SAC by sex and governorate: El-Sharkia: urban	M	6.00 - 10.99	250	2.4		2.4													
		SAC by sex and governorate: El-Sharkia rural	M	6.00 - 10.99	250	2.4		2.4													
		SAC by sex and governorate: Quena urban	M	6.00 - 10.99	250	35.2	0.4	35.6													

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									<20	20-49	50-99	100-299	>300	<100							
S	1998	SAC by sex and governorate: Quena rural	M	6.00 - 10.99	250	34.0	1.6	35.6									2639				
N	1995	National: Pre-SAC/SAC: Total	B	3.00 - 6.99	593	3.5	3.0	6.5									103	*			
		National: Women: Total	F	NS	1629	14.1	7.3	21.4													
		Pre-SAC/SAC by area: Urban	B	3.00 - 6.99	343	3.2	3.8	7.0													
		Pre-SAC/SAC by area: Rural	B	3.00 - 6.99	250	4.0	2.0	6.0													
		Pre-SAC/SAC by geographical area: Canal	B	3.00 - 6.99	102	14.7	1.0	15.7													
		Pre-SAC/SAC by geographical area: Canal urban	B	3.00 - 6.99	57	14.0	1.8	15.8													
		Pre-SAC/SAC by geographical area: Canal rural	B	3.00 - 6.99	45	15.6	0.0	15.6													
		Pre-SAC/SAC by geographical area: Coastal	B	3.00 - 6.99	106	0.9	5.7	6.6													
		Pre-SAC/SAC by geographical area: Coastal urba	B	3.00 - 6.99	49	2.0	10.2	12.2													
		Pre-SAC/SAC by geographical area: Coastal rural	B	3.00 - 6.99	57	0.0	1.8	1.8													
		Pre-SAC/SAC by geographical area: Lower Egypt	B	3.00 - 6.99	139	1.4	2.9	4.3													
		Pre-SAC/SAC by geographical area: Lower Egypt	B	3.00 - 6.99	58	1.7	6.9	8.6													
		Pre-SAC/SAC by geographical area: Lower Egypt	B	3.00 - 6.99	81	1.2	0.0	1.2													
		Pre-SAC/SAC by geographical area: Metropolitan	B	3.00 - 6.99	112	0.8	1.6	2.5													
		Pre-SAC/SAC by geographical area: Upper Egypt	B	3.00 - 6.99	124	1.6	4.0	5.6													
		Pre-SAC/SAC by geographical area: Upper Egypt	B	3.00 - 6.99	57	0.0	1.8	1.8													
		Pre-SAC/SAC by geographical area: Upper Egypt	B	3.00 - 6.99	67	3.0	6.0	8.9													
		Women by area: Urban	F	NS	979	13.3	6.9	20.2													
		Women by area: Rural	F	NS	650	15.2	7.8	23.1													
		Women by geographical area: Canal	F	NS	323	29.1	14.9	44.0													
		Women by geographical area: Canal urban	F	NS	165	27.9	18.8	46.7													
		Women by geographical area: Canal rural	F	NS	158	30.4	10.8	41.1													
		Women by geographical area: Coastal	F	NS	320	14.0	4.4	18.4													
		Women by geographical area: Coastal urban	F	NS	160	17.5	4.4	21.9													
		Women by geographical area: Coastal rural	F	NS	160	10.6	4.4	15.0													
		Women by geographical area: Lower Egypt	F	NS	322	9.3	9.9	19.3													
		Women by geographical area: Lower Egypt urban	F	NS	162	8.6	6.8	15.4													
		Women by geographical area: Lower Egypt rural	F	NS	160	10.0	13.1	23.1													
		Women by geographical area: Metropolitan	F	NS	329	7.6	4.0	11.6													
		Women by geographical area: Upper Egypt	F	NS	335	10.5	3.6	14.0													
		Women by geographical area: Upper Egypt urban	F	NS	163	10.4	3.7	14.1													
		Women by geographical area: Upper Egypt rural	F	NS	172	10.5	3.5	14.0													



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

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## NOTES

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**Reference no** 5389

**General Notes:** *Facility based survey (Cairo University children's Hospital); subjects for the survey were healthy relatives of patients at the facility from throughout Egypt.*

**Line note 1** UI Interquartile range: 33.0-85.0 µg/L

**Reference no** 2639

**General Notes:** *Multi-stage stratified random sampling in 3 governorates selected for convenience (Cairo, El-Sharkia, Quena); additional information on survey provided by Ministry of Health.*

**Reference no** 103

**General Notes:** *Multi-stage sampling cluster sampling with probability proportionate to size; sample comprised children and mothers attending 2 PHC facilities within each of 2 districts (1 urban, 1 rural) within each governorate; governorates subjectively selected to represent each geographical area.*

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