

ZIMBABWE

Last Updated: 2007-10-08

Level	Date	Location and sample descriptor	Sex	Age (years)	Sample size	Prevalence of xerophthalmia (%)							Serum / plasma retinol concentration (µmol/l)			Reference	Notes			
						Current XN	Previous XN	X1B	X2	X3A	X3B	XS	Prevalence (%)				Mean	SD	General	Line
													<0.35	<0.70	< 1.05					
L	2001 P	Harare: PW	F	14.00-45.99	1113									24.0	65.0	0.93	2588	*		
LR	2001 P	Makhasa area: LW	F	16.00-45.99	202									40.0		0.88	2746	*	1	
N	1999	National: Pre-SAC	B	1.00-5.99	658	0.30											2641	*		
		National: SAC	B	6.00-14.99	929	2.40														
		National: Women	F	15.00-49.99	982	1.90														
		National: Pre-SAC: Total	B	1.00-5.99	346							4.0	35.8	0.81						
		National: SAC: Total	B	6.00-14.99	657							2.0	18.0	0.97						
		National: Women: Total	F	15.00-49.99	804							1.2	7.0	1.33						
		Pre-SAC by sex	F	1.00-5.99	NS									36.5						
		Pre-SAC by sex	M	1.00-5.99	NS									34.8						
		Pre-SAC by agro-ecological zone: 1	B	1.00-5.99	NS									81.3						
		Pre-SAC by agro-ecological zone: 2	B	1.00-5.99	NS									23.9						
		Pre-SAC by agro-ecological zone: 3	B	1.00-5.99	NS									48.1						
		Pre-SAC by agro-ecological zone: 4	B	1.00-5.99	NS									34.3						
		Pre-SAC by agro-ecological zone: 5	B	1.00-5.99	NS									29.7						
		Pre-SAC by sex and agro-ecological zone: 1	F	1.00-5.99	NS									66.7						
		Pre-SAC by sex and agro-ecological zone: 1	M	1.00-5.99	NS									100.0						
		Pre-SAC by sex and agro-ecological zone: 2	F	1.00-5.99	NS									25.4						
		Pre-SAC by sex and agro-ecological zone: 2	M	1.00-5.99	NS									22.2						
		Pre-SAC by sex and agro-ecological zone: 3	F	1.00-5.99	NS									50.0						
		Pre-SAC by sex and agro-ecological zone: 3	M	1.00-5.99	NS									45.7						
		Pre-SAC by sex and agro-ecological zone: 4	F	1.00-5.99	NS									33.3						
		Pre-SAC by sex and agro-ecological zone: 4	M	1.00-5.99	NS									35.7						
		Pre-SAC by sex and agro-ecological zone: 5	F	1.00-5.99	NS									35.0						
		Pre-SAC by sex and agro-ecological zone: 5	M	1.00-5.99	NS									23.5						
		SAC by sex	F	6.00-14.99	NS									16.9						
		SAC by sex	M	6.00-14.99	NS									19.7						
		SAC by agro-ecological zone: 1	B	6.00-14.99	NS									48.4						
		SAC by agro-ecological zone: 2	B	6.00-14.99	NS									14.0						
		SAC by agro-ecological zone: 3	B	6.00-14.99	NS									17.2						
		SAC by agro-ecological zone: 4	B	6.00-14.99	NS									16.1						
		SAC by agro-ecological zone: 5	B	6.00-14.99	NS									20.9						
		SAC by sex and agro-ecological zone: 1	F	6.00-14.99	NS									47.1						
		SAC by sex and agro-ecological zone: 1	M	6.00-14.99	NS									50.0						
		SAC by sex and agro-ecological zone: 2	F	6.00-14.99	NS									11.1						
		SAC by sex and agro-ecological zone: 2	M	6.00-14.99	NS									18.2						

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						Current XN	Previous XN	X1B	X2	X3A	X3B	XS	Prevalence (%)				Mean	SD	General	Line
													<0.35	<0.70	< 1.05					
N	1999	SAC by sex and agro-ecological zone: 3	F	6.00-14.99	NS									16.5	2641					
		SAC by sex and agro-ecological zone: 3	M	6.00-14.99	NS									18.3						
		SAC by sex and agro-ecological zone: 4	F	6.00-14.99	NS									16.4						
		SAC by sex and agro-ecological zone: 4	M	6.00-14.99	NS									15.8						
		SAC by sex and agro-ecological zone: 5	F	6.00-14.99	NS									19.1						
		SAC by sex and agro-ecological zone: 5	M	6.00-14.99	NS									23.7						
		Women by physiological status: NPNLW	F	15.00-49.99	NS									6.0						
		Women by physiological status: PW	F	15.00-49.99	NS									20.0						
		Women by physiological status: LW	F	15.00-49.99	NS									5.2						
		Women by agro-ecological zone: 1	F	15.00-49.99	NS									33.3						
		Women by agro-ecological zone: 2	F	15.00-49.99	NS									5.7						
		Women by agro-ecological zone: 3	F	15.00-49.99	NS									7.6						
		Women by agro-ecological zone: 4	F	15.00-49.99	NS									5.7						
		Women by agro-ecological zone: 5	F	15.00-49.99	NS									3.6						
		NPNLW by agro-ecological zone: 1	F	15.00-49.99	NS									28.6						
		NPNLW by agro-ecological zone: 2	F	15.00-49.99	NS									4.2						
		NPNLW by agro-ecological zone: 3	F	15.00-49.99	NS									7.2						
		NPNLW by agro-ecological zone: 4	F	15.00-49.99	NS									6.0						
		NPNLW by agro-ecological zone: 5	F	15.00-49.99	NS									1.9						
		PW by agro-ecological zone: 1	F	15.00-49.99	NS									11.7						
		PW by agro-ecological zone: 2	F	15.00-49.99	NS									15.0						
		PW by agro-ecological zone: 3	F	15.00-49.99	NS									18.3						
		PW by agro-ecological zone: 4	F	15.00-49.99	NS									36.7						
		PW by agro-ecological zone: 5	F	15.00-49.99	NS									18.3						
		LW by agro-ecological zone: 1	F	15.00-49.99	NS									30.0						
		LW by agro-ecological zone: 2	F	15.00-49.99	NS									4.2						
		LW by agro-ecological zone: 3	F	15.00-49.99	NS									4.5						
LW by agro-ecological zone: 4	F	15.00-49.99	NS									2.8								
LW by agro-ecological zone: 5	F	15.00-49.99	NS									28.6								
N	1999	National: Women: Total	F	15.00-49.99	1900		4.20								4680	*				
		Women by area: Urban	F	15.00-49.99	628		2.80													
		Women by area: Rural	F	15.00-49.99	1273		4.90													
		Women by province: Bulawayo	F	15.00-49.99	107		1.80													
		Women by province: Harare	F	15.00-49.99	311		1.90													
		Women by province: Manicaland	F	15.00-49.99	229		3.60													
		Women by province: Mashonaland Central	F	15.00-49.99	176		4.30													
Women by province: Mashonaland East	F	15.00-49.99	160		4.40															

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													<0.35	<0.70	< 1.05					
N	1999	Women by province: Mashonaland West	F	15.00-49.99	189		5.30										4680			
		Women by province: Masvingo	F	15.00-49.99	201		6.00													
		Women by province: Matabeleland North	F	15.00-49.99	101		1.20													
		Women by province: Matabeleland South	F	15.00-49.99	113		1.30													
		Women by province: Midlands	F	15.00-49.99	243		9.20													
L	1997 -2000	Harare: Women	F	NS	375									37.1			5181	*		
S	1991	Matabeleland North province: Pre-SAC	B	0.50-6.99	5977	0.64		0.17				0.13					10	*		

NOTES

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Reference No: 2588

General notes: Facility based study (maternity hospital). Sample comprised of pregnant women (22-36 weeks of gestation) attending at Edith Oppermann Maternity Hospital in the Mbare residential area of Harare. Data on HIV-positive pregnant women not included in the database.

Reference No: 2746

General notes: Sample comprised of lactating women with infants aged 2-12 months from 12 villages in the semi-arid rural area of Makhaza, Tsholotsho district. SR concentrations converted from µg/L to µmol/L. Same survey reported in reference No. 3232.

Note 1 Median: 0.84 µmol/L

Reference No: 2641

General notes: Multi-stage cluster sampling stratified by 5 agro-ecological zones. Serum retinol concentrations converted from µg/mL to µmol/L.

Reference No: 4680

General notes: Two-stage PPS cluster sampling stratified by urban/rural and province strata. Women selected as mothers of 0-3 years old children. Previous XN is XN during pregnancy in 3 years preceding survey.

Reference No: 5181

General notes: Facility based study (clinics and hospitals). Sample comprised of HIV-negative women (women: mothers enrolled within 96 hours of delivery at maternity clinics and hospitals in Harare). Baseline data before vitamin A supplementation trial. Serum retinol determined only for subsample.

Reference No: 10

General notes: Multi-stage PPS cluster sampling. 6 districts included: Binga, Bubi, Hwange, Lupane, Nkaji and Tsholotsho, Matebeland North province.

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ADDITIONAL REFERENCES

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