

Table 8.47 The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 1): Does the household ever run out of money to buy food?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		466 (337; 29)	202 (103; 99)	398 (225; 173)	443 (322;121)	133 (94; 39)	130 (108; 22)	304 (228; 76)	220 (174; 46)	318 (156;162)	1251 (740;511)	1203 (783;420)	2514 (1747;767)
H/A	Yes	-1.0 (1.4)	-1.5 (1.5)	-0.9* (1.5)	-0.8** (1.6)	-1.0 (1.9)	-1.4 (1.8)	-1.1 (1.3)	-1.2 (1.3)	-0.9** (1.3)	-0.9** (1.5)	-1.1 (1.5)	-1.0** (1.5)
	No	-0.7 (1.5)	-1.2 (1.3)	-0.6 (1.6)	-0.5 (1.4)	-0.8 (1.4)	-0.6 (1.3)	-1.1 (1.7)	-1.0 (1.4)	-0.3 (1.3)	-0.5 (1.4)	-1.2 (1.4)	-0.7 (1.5)
W/A	Yes	-0.4 (1.2)	-0.9 (1.2)	-0.5* (1.2)	-0.5** (1.1)	-0.3 (1.4)	-1.1 (1.3)	-0.1 (1.1)	-1.1 (1.0)	-0.7** (1.2)	-0.5** (1.3)	-0.7 (1.2)	-0.7** (1.2)
	No	-0.1 (1.3)	-0.7 (1.1)	-0.2 (1.3)	-0.1 (1.2)	-0.2 (1.2)	-1.1 (1.6)	-0.8 (1.2)	-1.1 (1.1)	0.1 (1.3)	-0.1 (1.3)	-0.8 (1.2)	-0.3 (1.3)
W/H	Yes	0.4 (1.2)	0.0 (1.3)	0.2 (1.2)	0.1 (1.3)	0.6 (1.5)	-0.3* (1.3)	-0.4 (1.2)	-0.4 (0.9)	-0.2** (1.0)	0.1** (1.3)	-0.1 (1.2)	0.0** (1.3)
	No	0.5 (0.9)	0.0 (1.2)	0.3 (1.3)	0.3 (1.2)	0.5 (1.4)	-1.0 (1.5)	-0.1 (1.2)	-0.7 (1.1)	0.3 (1.3)	0.3 (1.3)	-0.1 (1.2)	0.1 (1.3)

H/A = Height-for-Age

W/A = Weight-for-Age

W/H = Weight-for-Height

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Table 8.48 The dietary intake of selected nutrients as obtained by the 24-H-R Questionnaire in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 1): Does the household ever run out of money to buy food?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		411 (380; 31)	208 (106; 102)	416 (237; 179)	529 (376; 153)	153 (107; 46)	150 (117; 33)	339 (253; 86)	225 (176; 49)	351 (173; 178)	1368 (799; 569)	1347 (872; 475)	2782 (1925;857)
Energy (kJ)	Yes	5021* (2297)	3761 (2265)	4001** (1537)	5445 (2210)	4177** (2078)	3826 (2062)	4153* (1885)	4498** (2252)	5484** (2088)	4762** (2185)	4604 (2182)	4669** (2184)
	No	6230 (3162)	4087 (1891)	4681 (1906)	5645 (2082)	5086 (1959)	4152 (2746)	4824 (2503)	5367 (2736)	6544 (2385)	5575 (2427)	4698 (2201)	5280 (2388)
Zinc (mg)	Yes	4.1** (2.4)	3.4** (2.4)	4.1** (2.2)	5.2** (3.2)	4.2** (2.4)	4.1 (3.4)	4.8* (3.7)	4.3** (2.9)	5.5** (3.0)	4.7** (3.0)	4.3** (2.9)	4.5** (3.0)
	No	6.3 (3.9)	4.1 (2.6)	4.9 (2.8)	5.9 (2.6)	5.2 (2.5)	4.4 (3.5)	5.8 (4.0)	5.2 (2.8)	7.3 (4.0)	6.0 (3.5)	4.8 (3.0)	5.6 (3.4)
Vit.A (RE)	Yes	306* (707)	222** (475)	409** (1380)	346** (1190)	356 (1222)	274 (699)	472 (697)	301* (859)	596** (1007)	458** (1120)	308 (865)	370** (981)
	No	677 (1319)	444 (1111)	452 (974)	322 (399)	620 (2739)	531 (1304)	441 (1063)	334 (610)	653 (1010)	594 (1330)	262 (393)	482 (1117)
Iron (mg)	Yes	4.5** (3.1)	3.4** (2.7)	4.7** (4.0)	6.0* (4.2)	5.0 (3.3)	3.7 (2.9)	8.7 (7.4)	4.6** (3.5)	5.9** (3.4)	5.1** (4.0)	5.6 (4.8)	5.4** (4.5)
	No	6.8 (4.1)	4.4 (3.3)	5.9 (3.1)	6.5 (3.6)	6.1 (3.9)	4.2 (2.9)	7.3 (5.4)	6.1 (3.1)	8.0 (3.6)	6.9 (3.8)	5.4 (3.8)	6.4 (3.9)
Vit.C (mg)	Yes	20.7** (33.5)	16.6 (23.4)	24.2** (39.9)	53.5 (295.8)	16.8 (28.6)	25.8 (84.4)	14.6* (31.7)	34.0 (91.1)	42.2** (49.9)	32.0** (70.5)	28.2 (172)	29.7** (138.9)
	No	48.3 (73.3)	21.7 (45.1)	44.8 (80.1)	50.8 (136.0)	44.0 (102.7)	37.9 (94.1)	29.4 (44.7)	34.9 (63.5)	64.3 (78.0)	51.4 (97.5)	32.0 (64.7)	44.9 (88.3)
Ca⁺⁺ (mg)	Yes	325* (367)	231** (244)	250* (206)	348* (336)	216 (198)	198 (181)	271 (267)	232 (196)	356** (273)	296** (264)	283 (306)	289** (289)
	No	429 (306)	311 (225)	311 (264)	390 (341)	260 (204)	204 (172)	249 (222)	282 (199)	574 (362)	412 (330)	284 (241)	369 (309)

Ca⁺⁺ = Calcium

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Table 8.49 The number of items procured as indicated in table obtained from the FPHIQ in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 1): Does the household ever run out of money to buy food?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		414 (384; 30)	208 (105;103)	361 (204;157)	526 (375;151)	153 (107;46)	154 (121;33)	343 (255;88)	223 (173;50)	351 (173;178)	1328 (774;554)	1401 (1047;354)	2733 (1897; 836)
Items In Proc	Yes	34.4 (10.9)	14.0** (6.1)	31.8** (14.5)	34.4** (12.7)	20.3** (13.6)	22.6 (10.9)	15.8** (10.5)	31.8** (9.1)	58.0** (18.9)	36.9** (19.1)	27.1** (14.1)	30.9** (16.8)
	No	40.7 (19.9)	17.3 (8.8)	47.5 (23.4)	44.2 (18.9)	33.5 (19.6)	26.3 (12.0)	22.4 (13.9)	39.5 (12.4)	75.1 (20.7)	50.8 (27.3)	29.0 (17.2)	44.1 (26.5)
Anim. In Proc	Yes	7.5 (3.2)	2.8** (1.6)	7.6** (3.9)	7.0** (3.2)	4.7** (3.3)	4.9 (2.8)	3.6** (3.1)	6.8** (2.5)	12.9** (4.9)	8.3** (4.7)	5.8** (3.5)	6.7** (4.2)
	No	9.3 (5.4)	3.7 (2.3)	11.4 (5.7)	9.6 (4.7)	7.6 (4.7)	5.5 (3.1)	5.6 (3.9)	9.0 (3.4)	17.1 (5.0)	11.7 (6.6)	6.4 (4.0)	10.1 (6.3)
Dairy In Proc	Yes	2.1 (1.2)	0.8** (0.4)	1.6** (1.2)	1.8** (1.2)	1.0** (1.0)	0.9* (0.8)	0.7** (0.8)	1.4** (0.8)	3.2** (1.8)	2.1** (1.5)	1.4** (1.1)	1.6** (1.3)
	No	2.7 (1.7)	1.0 (0.5)	2.9 (1.9)	3.1 (1.8)	1.8 (1.6)	1.2 (0.9)	1.5 (1.5)	2.0 (1.1)	4.9 (2.2)	3.3 (2.3)	1.6 (1.4)	2.8 (2.1)

*Wilcoxon test for two samples; significant for $P < 0.05$

**Wilcoxon test for two samples; significant for $P < 0.01$

Table 8.50 The number of items in inventory as indicated in table obtained from the FPHIQ in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 1): Does the household ever run out of money to buy food?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		347 (331;16)	180 (88; 92)	151 (100; 51)	303 (247; 56)	140 (102; 38)	63 (50; 13)	331 (245; 86)	111 (92; 19)	66 (38; 28)	562 (378;184)	1128 (856;272)	1692 (1293;399)
Items In Inv.	Yes	9.6* (6.8)	3.3** (2.2)	7.9 (5.2)	8.3** (5.5)	7.3** (5.6)	6.9** (4.1)	6.8** (4.5)	6.3 (4.9)	13.6 (7.2)	9.2** (7.0)	7.3** (5.4)	7.8** (5.8)
	No	12.9 (6.9)	6.2 (6.7)	10.3 (9.5)	16.5 (9.7)	14.3 (12.9)	11.1 (2.4)	12.9 (9.4)	9.1 (6.8)	21.0 (17.7)	13.0 (12.7)	10.1 (7.4)	12.0 (10.6)
Anim. In Inv.	Yes	0.7* (1.2)	0.5 (0.7)	1.1 (1.3)	0.8** (1.3)	1.3** (1.6)	0.6* (1.0)	1.0** (1.5)	0.6 (1.2)	1.6* (1.7)	1.2** (1.6)	0.8** (1.3)	0.9** (1.3)
	No	1.4 (1.5)	1.0 (2.0)	1.8 (2.9)	2.6 (2.5)	3.4 (3.7)	1.1 (1.0)	2.9 (2.7)	1.3 (1.9)	3.3 (4.3)	2.6 (3.4)	1.5 (1.9)	2.2 (2.8)
Dairy In Inv.	Yes	0.4 (0.6)	0.3* (0.5)	0.3* (0.6)	0.4** (0.6)	0.4 (0.6)	0.2* (0.5)	0.3** (0.5)	0.3 (0.6)	0.5 (0.6)	0.4** (0.6)	0.3** (0.6)	0.4** (0.6)
	No	0.8 (0.9)	0.4 (0.6)	0.7 (1.1)	1.0 (1.1)	0.8 (1.1)	0.5 (0.5)	1.0 (1.2)	0.3 (0.6)	1.1 (1.9)	1.0 (1.3)	0.5 (0.7)	0.7 (1.1)

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Table 8.51 The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 1a): Does the household ever run out of money to buy food (in the past 30 days)]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		362 (292; 70)	202 (84; 118)	379 (169; 210)	436 (256; 180)	115 (65; 50)	128 (90; 38)	260 (137; 123)	222 (140; 82)	277 (124; 153)	1178 (574; 604)	1203 (783; 420)	2381 (1357; 1024)
H/A	Yes	-1.0 (1.4)	-1.6 (1.6)	-1.0* (1.5)	-0.9* (1.5)	-1.2 (1.9)	-1.3 (1.8)	-1.2* (1.3)	-1.2 (1.3)	-0.9** (1.2)	-1.0** (1.5)	-1.1 (1.5)	-1.1** (1.5)
	No	-0.9 (1.8)	-1.2 (1.3)	-0.8 (1.4)	-0.6 (1.5)	-0.9 (1.6)	-1.1 (1.5)	-0.9 (1.5)	-1.0 (1.4)	-0.3 (1.3)	-0.6 (1.4)	-1.0 (1.5)	-0.8** (1.5)
W/A	Yes	-0.4 (1.1)	-0.9 (1.2)	-0.5 (1.2)	-0.5** (1.1)	-0.2 (1.7)	-1.0 (1.2)	-1.1** (1.1)	-1.1 (0.9)	-0.7** (1.3)	-0.6** (1.3)	-0.8 (1.2)	-0.7 (1.2)
	No	-0.2 (1.3)	-0.8 (1.1)	-0.4 (1.2)	-0.1 (1.2)	-0.3 (1.0)	-1.3 (1.6)	-0.7 (1.1)	-1.0 (1.2)	-0.1 (1.3)	-0.2 (1.3)	-0.7 (1.1)	-0.4 (1.3)
W/H	Yes	0.3 (1.2)	0.1 (1.4)	0.2 (1.2)	0.0* (1.3)	0.8 (1.6)	-0.2** (1.3)	-0.5* (1.3)	-0.5 (0.9)	-0.2** (1.0)	0.1 (1.3)	0.0 (1.3)	0.0 (1.3)
	No	0.5 (1.1)	0.0 (1.2)	0.2 (0.3)	0.3 (1.3)	0.5 (1.3)	-0.8 (1.4)	-0.1 (1.2)	-0.5 (1.0)	0.2 (1.2)	0.2 (1.4)	-0.1 (1.1)	0.1 (1.3)

H/A = Height-for-Age

W/A = Weight-for-Age

W/H = Weight-for-Height

*Wilcoxon test for two samples; significant for $P < 0.05$

**Wilcoxon test for two samples; significant for $P < 0.01$

Table 8.52 The dietary intake of selected nutrients as obtained by the 24-H-R Questionnaire in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 1a): Does the household ever run out of money to buy food (in the past 30 days)]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		408 (326;82)	208 (87,121)	397 (177; 220)	522 (295; 227)	133 (78; 55)	148 (100; 48)	290 (154; 136)	225 (142; 83)	306 (138; 168)	1290 (625; 665)	1347 (872; 475)	2637 (1497;1140)
Energy (kJ)	Yes	4937** (2327)	3473** (2218)	3948** (1529)	5328* (2183)	4257 (2071)	3703 (2079)	4114 (1921)	4482 (2158)	5143** (1865)	4629** (2139)	4554 (2180)	4585 (2163)
	No	5866 (2585)	4242 (1940)	4462 (1803)	5742 (2169)	4690 (2413)	4165 (2509)	4289 (2009)	5077 (2764)	6655 (2405)	5443 (2456)	4717 (2168)	5140 (2367)
Zinc (mg)	Yes	4.0** (2.3)	3.2** (2.5)	4.0* (2.2)	5.0** (3.0)	4.3 (2.4)	3.9 (3.3)	4.8 (3.7)	4.1* (2.6)	5.2** (2.9)	4.6** (3.0)	4.2** (2.7)	4.3 (2.8)
	No	5.4 (3.3)	4.1 (2.5)	4.6 (2.6)	5.9 (3.0)	4.6 (2.7)	4.5 (3.8)	4.9 (3.4)	5.1 (3.3)	7.3 (3.9)	5.8 (3.4)	4.7 (3.0)	5.3 (3.3)
Vit.A (RE)	Yes	274** (628)	230** (519)	465** (1587)	289** (461)	408 (1409)	259 (714)	482* (620)	250 (691)	572** (960)	428** (1115)	293 (632)	350 (870)
	No	594 (1174)	403 (1026)	362 (863)	406 (1473)	555 (2518)	445 (1118)	340 (526)	364 (911)	575 (745)	539 (1214)	285 (1031)	433 (1148)
Iron (mg)	Yes	4.5** (3.1)	3.3** (2.9)	4.6** (4.3)	6.0 (4.1)	5.3 (3.4)	3.5 (2.9)	8.8 (7.7)	4.4** (3.0)	5.5** (3.4)	4.8** (3.9)	5.5 (4.7)	5.2 (4.4)
	No	5.9 (3.7)	4.3 (3.1)	5.4 (3.1)	6.4 (4.0)	5.1 (3.7)	4.2 (2.8)	7.1 (5.4)	5.9 (4.5)	7.9 (3.4)	6.6 (4.0)	5.4 (3.9)	6.1 (4.0)
Vit.C (mg)	Yes	19.8** (29.8)	15.5* (24.1)	23.8* (42.0)	56.7 (326)	15.0 (16.8)	27.4 (90.9)	12.2 (20.8)	37.4 (99.7)	40.7** (50.9)	30.9** (70.2)	29.9 (191)	30.3 (153)
	No	38.3 (65.9)	21.7 (42.1)	36.0 (69.1)	48.6 (138)	28.4 (55.2)	33.0 (80.1)	22.7 (44.0)	26.0 (52.7)	65.3 (79.6)	45.8 (92.3)	28.7 (71.7)	38.7 (84.7)
Ca⁺⁺ (mg)	Yes	309** (351)	235** (264)	243* (219)	331** (324)	207 (182)	181 (159)	276 (236)	223 (172)	346** (295)	287** (267)	274* (293)	279 (282)
	No	430 (395)	296 (214)	281 (217)	397 (353)	249 (206)	232 (217)	238 (288)	277 (229)	546 (353)	381 (313)	298 (300)	347 (310)

Ca⁺⁺ = Calcium

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Table 8.53 The number of items procured and items indicated in the table as obtained from the FPHIQ in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 1a): Does the household ever run out of money to buy food (in the past 30 days)]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		411 (329; 82)	208 (86; 122)	343 (151; 192)	519 (295; 224)	132 (78; 54)	152 (104; 48)	293 (156; 137)	222 (140; 82)	306 (138; 168)	1249 (608; 641)	1337 (869; 468)	2586 (1477; 1109)
Items In Proc	Yes	34.2* (10.5)	14.0* (6.5)	31.0** (13.4)	33.8** (12.3)	17.2** (10.5)	23.0 (10.4)	15.7 (10.9)	31.2** (9.4)	56.2** (18.4)	35.9** (18.6)	27.2 (13.1)	30.8** (16.2)
	No	38.4 (17.2)	16.8 (8.3)	40.6 (18.6)	41.2 (17.7)	28.2 (16.4)	23.0 (12.9)	18.2 (12.4)	38.0 (11.8)	72.2 (19.8)	46.0 (24.6)	28.1 (17.0)	38.4 (23.5)
Anim. In Proc	Yes	7.5* (3.2)	2.8* (1.6)	7.2** (3.8)	6.9** (3.1)	3.9** (2.7)	4.9 (2.7)	3.6* (3.1)	6.7** (2.6)	12.5** (4.9)	7.9** (4.6)	5.8 (3.3)	6.7** (4.0)
	No	8.8 (4.7)	3.5 (2.2)	9.8 (4.6)	8.8 (4.4)	6.5 (4.0)	4.9 (3.3)	4.6 (3.6)	8.4 (3.3)	16.6 (4.9)	10.6 (6.0)	6.1 (4.0)	8.7 (5.7)
Dairy In Proc	Yes	2.1* (1.1)	0.8** (0.4)	1.4** (1.1)	1.8** (1.2)	0.8* (0.9)	0.9 (0.7)	0.6** (0.8)	1.4* (0.8)	3.2** (1.8)	2.0** (1.5)	1.4 (1.3)	1.6** (1.3)
	No	2.6 (1.6)	1.0 (0.5)	2.4 (1.5)	2.7 (1.7)	1.4 (1.3)	0.9 (0.9)	1.2 (1.3)	1.7 (1.1)	4.6 (2.2)	2.9 (2.1)	1.6 (1.3)	2.3 (1.9)

*Wilcoxon test for two samples; significant for $P < 0.05$

**Wilcoxon test for two samples; significant for $P < 0.01$

Proc. = Procurement

Anim. = Foods of animal origin

Dairy = Dairy products

FPHIQ = Food Procurement and Household Inventory Questionnaire

Table 8.54 The number of items in the HH inventory and items indicated in the table as obtained from the FPHIQ in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 1a): Does the household ever run out of money to buy food (in the past 30 days)]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		345 (285; 60)	180 (73; 107)	147 (74; 73)	300 (197; 103)	123 (75; 48)	64 (41; 23)	282 (148; 134)	112 (74; 38)	52 (28; 24)	538 (298; 240)	1067 (697; 370)	1605 (995; 610)
Items In Inv.	Yes	9.0** (6.5)	3.3** (2.1)	7.4* (5.2)	7.6** (5.3)	6.5** (4.9)	7.8 (4.3)	6.6** (4.8)	6.4 (4.9)	13.1 (6.7)	8.7** (6.8)	7.0** (5.0)	7.5** (5.6)
	No	13.1 (7.4)	5.8 (6.3)	8.9 (5.3)	13.7 (8.5)	11.5 (7.9)	7.9 (4.0)	9.8 (7.5)	7.7 (6.0)	20.7 (18.5)	11.6 (10.2)	9.6 (7.1)	10.3 (8.5)
Anim. In Inv.	Yes	0.6** (1.1)	0.5 (0.7)	0.9* (1.2)	0.7** (1.2)	1.0** (1.5)	0.8 (1.1)	0.9** (1.5)	0.6 (1.2)	1.4 (1.6)	1.1** (1.5)	0.6** (1.1)	0.8** (1.2)
	No	1.4 (1.7)	0.9 (1.9)	1.4 (1.5)	1.9 (2.2)	2.8 (2.2)	0.6 (0.8)	2.1 (2.3)	0.9 (1.6)	3.1 (4.5)	2.1 (2.7)	1.4 (1.8)	1.7 (2.2)
Dairy In Inv.	Yes	0.3* (0.6)	0.2* (0.5)	0.2** (0.5)	0.4** (0.6)	0.3** (0.6)	0.3 (0.5)	0.3** (0.5)	0.3 (0.6)	0.5 (0.6)	0.4** (0.6)	0.3** (0.7)	0.3** (0.6)
	No	0.6 (0.8)	0.4 (0.5)	0.6 (0.8)	0.7 (0.9)	0.6 (0.7)	0.3 (0.5)	0.7 (1.0)	0.2 (0.5)	1.2 (2.0)	0.8 (1.1)	0.5 (0.7)	0.6 (0.9)

*Wilcoxon test for two samples; significant for $P < 0.05$

**Wilcoxon test for two samples; significant for $P < 0.01$

Inv. = Household inventory

Anim. = Foods of animal origin

Dairy = Dairy products

FPHIQ = Food Procurement and Household Inventory Questionnaire

Table 8.55 The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 1b): Does the household ever run out of money to buy food (5 or more days in the past 30 days)]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		361 (240; 121)	202 (72; 130)	373 (163; 210)	436 (180; 256)	124 (67; 57)	128 (68; 60)	283 (151; 132)	221 (136; 85)	275 (78; 197)	1178 (449; 729)	1225 (706; 519)	2403 (1155;1248)
H/A	Yes	-1.0 (1.4)	-1.7* (1.6)	-0.9 (1.5)	-0.8 (1.5)	-1.3* (1.8)	-1.6** (1.6)	-1.0 (1.3)	-1.2 (1.2)	-1.0** (1.2)	-1.0** (1.5)	-1.1 (1.5)	-1.1** (1.5)
	No	-0.8 (1.6)	-1.2 (1.3)	-0.8 (1.4)	-0.7 (1.5)	-0.7 (1.7)	-0.7 (1.8)	-1.1 (1.5)	-0.9 (1.5)	-0.4 (1.3)	-0.6 (1.4)	-1.1 (1.5)	-0.8 (1.5)
W/A	Yes	-0.4 (1.2)	-1.0 (1.2)	-0.5 (1.2)	-0.5* (1.0)	-0.3 (1.5)	-1.4* (1.1)	-1.0 (1.0)	-1.1 (1.0)	-0.8** (1.3)	-0.6** (1.3)	-0.8 (1.1)	-0.7** (1.2)
	No	-0.2 (1.2)	-0.8 (1.2)	-0.4 (1.2)	-0.3 (1.2)	-0.2 (1.3)	-0.7 (1.6)	-0.8 (1.2)	-0.9 (1.2)	-0.2 (1.3)	-0.3 (1.3)	-0.7 (1.2)	-0.4 (1.3)
W/H	Yes	0.3 (1.2)	0.1 (1.3)	0.1 (1.2)	0.0* (1.2)	0.7 (1.6)	-0.5 (1.1)	-0.4 (1.2)	-0.5 (0.9)	-0.3** (1.0)	0.0* (1.3)	-0.1 (1.2)	0.0** (1.2)
	No	0.4 (1.2)	0.0 (1.3)	0.2 (1.3)	0.3 (1.4)	0.5 (1.3)	-0.3 (1.6)	-0.1 (1.3)	-0.4 (1.1)	0.2 (1.2)	0.2 (1.4)	0.0 (1.2)	0.1 (1.3)

H/A = Height-for-Age

W/A = Weight-for-Age

W/H = Weight-for-Height

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Table 8.56 The dietary intake of selected nutrients as obtained by the 24-H-R Questionnaire in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 1b): Does the household ever run out of money to buy food (5 or more days in the past 30 days)]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		405 (274; 131)	208 (75; 133)	391 (172; 219)	522 (207; 315)	142 (78; 64)	147 (77; 70)	314 (167; 147)	224 (137; 87)	304 (86; 218)	1288 (486; 802)	1369 (787; 582)	2657 (1273;1384)
Energy (kJ)	Yes	4839** (2354)	3274** (1985)	3926** (1540)	5285* (2241)	4192 (1958)	3741 (1969)	4057* (1975)	4424* (2026)	5102** (1812)	4435** (1987)	4476** (2213)	4460** (2129)
	No	5629 (2328)	4286 (2068)	4433 (1778)	5654 (2136)	4677 (2422)	4019 (2484)	4501 (1898)	5158 (2876)	6344 (2379)	5425 (2450)	4781 (2075)	5154 (2321)
Zinc (mg)	Yes	3.9** (2.4)	3.0** (2.2)	3.9* (2.1)	4.8** (3.0)	4.3 (2.3)	3.9 (3.0)	4.7* (3.8)	4.0** (2.6)	5.0** (2.8)	4.3** (2.7)	4.2** (2.8)	4.2** (2.8)
	No	5.0 (3.0)	4.1 (2.6)	4.5 (2.5)	5.8 (3.0)	4.5 (2.7)	4.3 (3.9)	5.3 (3.4)	5.2 (3.2)	6.8 (3.7)	5.7 (3.4)	4.7 (2.9)	5.3 (3.2)
Vit.A (RE)	Yes	240** (415)	235* (543)	463* (1601)	296* (501)	431 (1423)	349 (1000)	535** (789)	200 (443)	415** (508)	405** (1138)	306 (647)	343** (869)
	No	540 (1213)	385 (985)	318 (654)	369 (1264)	469 (2329)	403 (992)	352 (539)	441 (1113)	642 (944)	541 (1187)	278 (956)	430 (1104)
Iron (mg)	Yes	4.4** (3.1)	3.2** (2.8)	4.5** (4.2)	5.8* (4.0)	5.1 (3.2)	3.5 (2.7)	9.3* (8.1)	4.3** (3.1)	5.1** (3.1)	4.6** (3.9)	5.6 (5.1)	5.3** (4.7)
	No	5.3 (3.4)	4.3 (3.1)	5.4 (3.1)	6.4 (4.1)	5.1 (3.7)	4.0 (3.1)	7.3 (5.5)	6.0 (4.3)	7.5 (3.6)	6.4 (4.0)	5.4 (4.0)	6.0 (4.0)
Vit.C (mg)	Yes	18.9** (29.5)	14.9 (22.9)	23.5* (43.3)	55.9 (377)	13.9 (17.5)	24.8 (86.6)	13.7 (34.2)	33.8 (83.0)	39.8* (46.6)	27.4** (54.6)	27.8* (197)	27.7** (159)
	No	33.2 (55.8)	21.4 (41.1)	36.0 (68.8)	51.4 (143)	36.4 (82.6)	33.5 (88.4)	20.1 (34.3)	32.4 (90.3)	59.6 (75.5)	45.8 (97.0)	30.9 (80.5)	39.5 (90.7)
Ca⁺⁺ (mg)	Yes	304** (369)	246* (279)	235* (206)	320** (343)	223 (183)	184 (155)	287* (231)	220* (178)	305** (234)	263** (243)	275* (299)	270** (279)
	No	394 (349)	284 (210)	283 (223)	386 (333)	216 (194)	212 (201)	245 (291)	281 (218)	521 (372)	379 (319)	295 (288)	344 (309)

Ca⁺⁺ = Calcium

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Table 8.57 The number of items procured and items indicated in the table as obtained from the FPHIQ in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 1b): Does the household ever run out of money to buy food (5 or more days in the past 30 days)]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		408 (276; 132)	208 (74; 134)	338 (145; 193)	519 (207; 312)	141 (78; 63)	151 (77; 74)	317 (169; 148)	222 (138; 84)	304 (86; 218)	1248 (466; 782)	1360 (784; 576)	2608 (1250;1358)
Items In Proc	Yes	33.2** (10.4)	13.5** (6.4)	30.4** (13.2)	32.7** (11.8)	17.2** (10.4)	21.2* (10.5)	15.2** (10.4)	31.1** (9.5)	51.8** (17.0)	33.5** (16.7)	25.5** (12.9)	28.5** (14.9)
	No	39.1 (14.6)	16.9 (8.2)	40.9 (18.4)	39.9 (16.7)	27.9 (15.4)	25.1 (11.6)	19.7 (12.0)	37.9 (11.7)	69.7 (19.7)	45.3 (24.0)	29.9 (16.2)	38.8 (22.4)
Anim. In Proc	Yes	7.2** (3.1)	2.8* (1.6)	7.2** (3.6)	6.7** (3.1)	3.8** (2.7)	4.8 (2.7)	3.4** (3.0)	6.6** (2.5)	11.4** (4.8)	7.5** (4.3)	5.4** (3.2)	6.2** (3.8)
	No	8.8 (4.1)	3.5 (2.1)	9.8 (4.7)	8.4 (4.2)	6.6 (3.6)	5.2 (3.0)	4.9 (3.4)	8.7 (3.3)	15.9 (4.9)	10.4 (5.9)	6.5 (3.8)	8.7 (5.4)
Dairy In Proc	Yes	2.0** (1.2)	0.8** (0.4)	1.4** (1.1)	1.7** (1.1)	0.8** (0.9)	0.8 (0.7)	0.7** (0.8)	1.3** (0.7)	2.8** (1.8)	1.8** (1.4)	1.3** (1.0)	1.5** (1.2)
	No	2.6 (1.4)	1.0 (0.5)	2.4 (1.5)	2.5 (1.6)	1.3 (1.2)	1.0 (0.9)	1.1 (1.2)	1.8 (1.2)	4.4 (2.1)	2.9 (2.0)	1.6 (1.3)	2.3 (1.8)

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Proc. = Procurement

Anim. = Foods of animal origin

Dairy = Dairy products

FPHIQ = Food Procurement and Household Inventory Questionnaire

Table 8.58 The number of items in the HH inventory and items indicated in the table as obtained from the FPHIQ in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 1b): Does the household ever run out of money to buy food (5 or more days in the past 30 days)]

Para-Meter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		342 (242; 100)	180 (64; 116)	148 (76; 72)	300 (141; 159)	132 (75; 57)	64 (31; 33)	306 (161; 145)	112 (77; 35)	52 (19; 33)	548 (251; 297)	1088 (635; 453)	1636 (886; 750)
Items In Inv.	Yes	8.6** (6.4)	3.1** (1.9)	7.4* (5.2)	6.9** (5.0)	6.6** (4.6)	6.3** (3.5)	6.5** (4.4)	6.3 (4.6)	12.4 (4.9)	8.3** (6.6)	6.6** (4.6)	7.1** (5.3)
	No	12.3 (7.2)	5.7 (6.2)	9.1 (5.2)	12.3 (7.8)	10.5 (7.7)	9.2 (4.3)	9.7 (7.3)	7.9 (6.5)	19.3 (16.6)	11.3 (9.7)	9.6 (6.8)	10.3 (8.1)
Anim. In Inv.	Yes	0.6** (1.1)	0.4* (0.6)	1.0 (1.2)	0.6** (1.1)	1.1** (1.5)	0.5* (0.8)	0.9** (1.4)	0.6 (1.0)	0.9* (1.0)	1.0** (1.5)	0.6** (1.0)	0.7** (1.2)
	No	1.2 (1.5)	0.9 (1.8)	1.3 (1.6)	1.6 (2.0)	2.4 (2.2)	1.0 (1.1)	2.0 (2.3)	1.0 (1.8)	2.9 (4.0)	1.9 (2.5)	1.3 (1.8)	1.6 (2.1)
Dairy In Inv.	Yes	0.3* (0.5)	0.2** (0.4)	0.3 (0.5)	0.4** (0.6)	0.4 (0.6)	0.2 (0.4)	0.3** (0.5)	0.3 (0.5)	0.5 (0.6)	0.3** (0.6)	0.3** (0.5)	0.3** (0.5)
	No	0.6 (0.8)	0.4 (0.6)	0.5 (0.8)	0.6 (0.8)	0.5 (0.7)	0.4 (0.5)	0.6 (1.0)	0.3 (0.8)	1.0 (1.7)	0.7 (1.1)	0.5 (0.7)	0.6 (0.9)

*Wilcoxon test for two samples; significant for $P < 0.05$

**Wilcoxon test for two samples; significant for $P < 0.01$

Inv. = Household inventory

Anim. = Foods of animal origin

Dairy = Dairy products

FPHIQ = Food Procurement and Household Inventory Questionnaire

Table 8.59 The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 2): Do you ever rely on a limited number of foods to feed your children because you are running out of money to buy food for a meal?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		362 (329; 33)	202 (92; 110)	395 (214; 181)	445 (301; 144)	136 (84; 52)	130 (97; 33)	300 (203; 97)	220 (136; 84)	317 (153; 164)	1249 (669; 580)	1258 (940; 318)	2507 (1609; 898)
H/A	Yes	-1.0 (1.4)	-1.5 (1.5)	-1.0** (1.5)	-0.8 (1.5)	-1.0 (1.8)	-1.3 (1.8)	-0.1 (1.4)	-1.1 (1.4)	-0.9** (1.3)	-1.0** (1.4)	-1.1 (1.5)	-1.0** (1.5)
	No	-0.7 (1.7)	-1.2 (1.3)	-0.6 (1.6)	-0.6 (1.6)	-0.9 (1.7)	-0.9 (1.6)	-1.0 (1.5)	-1.1 (1.3)	-0.2 (1.2)	-0.5 (1.5)	-1.2 (1.4)	-0.7 (1.5)
W/A	Yes	-0.4 (1.2)	-1.0 (1.1)	-0.5** (1.2)	-0.5** (1.1)	-0.3 (1.3)	-1.1 (1.2)	-1.0* (1.0)	-1.0 (1.1)	-0.7** (1.3)	-0.6** (1.2)	-0.7 (1.1)	-0.7** (1.2)
	No	-0.1 (1.3)	-0.7 (1.2)	-0.2 (1.3)	-0.1 (1.2)	-0.2 (1.5)	-1.0 (1.7)	-0.7 (1.2)	-1.1 (1.0)	0.0 (1.3)	-0.1 (1.3)	-0.8 (1.2)	-0.4 (1.3)
W/H	Yes	0.3 (1.2)	0.0 (1.3)	0.1 (1.2)	0.1* (1.3)	0.5 (1.4)	-0.3 (1.3)	-0.5* (1.2)	-0.4 (0.9)	-0.2** (1.2)	0.1** (1.3)	-0.1 (1.3)	0.0** (1.3)
	No	0.6 (1.0)	0.0 (1.3)	0.3 (1.4)	0.3 (1.3)	0.6 (1.6)	-0.5 (1.5)	-0.1 (1.3)	-0.6 (1.0)	0.3 (1.2)	0.3 (1.4)	-0.1 (1.2)	0.1 (1.3)

H/A = Height-for-Age

W/A = Weight-for-Age

W/H = Weight-for-Height

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Table 8.60 The dietary intake of selected nutrients as obtained by the 24-H-R Questionnaire in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 2): Do you ever rely on a limited number of foods to feed your children because you are running out of money to buy food for a meal?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		408 (367; 41)	208 (97; 111)	413 (226; 187)	531 (347; 184)	156 (99; 57)	149 (106; 43)	335 (223; 112)	225 (140; 85)	350 (170; 180)	1365 (724; 641)	1410 (1051;359)	2775 (1775;1000)
Energy (kJ)	Yes	5026* (2341)	3648* (2259)	3959** (1505)	5431 (2251)	4325 (2279)	3698 (2011)	4173 (1907)	4350* (2000)	5445** (2098)	4756** (2205)	4587 (2186)	4656** (2195)
	No	5957 (2710)	4159 (1311)	4713 (1911)	5633 (2010)	4764 (1944)	4286 (2674)	4583 (2370)	5242 (2841)	6583 (2380)	5504 (2419)	4722 (2188)	5223 (2367)
Zinc (mg)	Yes	4.0** (2.4)	3.2** (2.4)	4.0** (2.3)	5.2** (3.3)	4.3 (2.4)	3.9 (3.1)	4.7* (3.6)	4.1** (2.7)	5.5** (3.1)	4.7** (3.1)	4.3** (2.8)	4.5** (2.9)
	No	6.2 (3.5)	4.2 (2.6)	4.9 (2.6)	5.7 (2.5)	4.7 (2.5)	4.6 (4.2)	5.7 (4.2)	5.1 (3.2)	7.3 (3.9)	5.9 (3.4)	4.9 (3.2)	5.5 (3.4)
Vit.A (RE)	Yes	303** (715)	221* (488)	407** (1412)	364* (1239)	450 (1973)	266 (716)	488 (725)	283 (755)	535** (835)	481** (1302)	300 (825)	374** (1050)
	No	595 (1163)	427 (1070)	459 (955)	294 (361)	424 (1448)	479 (1170)	426 (954)	348 (897)	716 (1146)	554 (1107)	300 (693)	463 (986)
Iron (mg)	Yes	4.5** (3.1)	3.3** (2.8)	4.6** (4.0)	6.2 (4.4)	5.4 (3.6)	3.6 (2.9)	8.5 (7.0)	4.4** (3.2)	5.9** (3.4)	5.2** (4.1)	5.5 (4.6)	5.4** (4.4)
	No	6.6 (4.0)	4.4 (3.2)	6.0 (3.3)	6.2 (3.4)	5.3 (3.6)	4.2 (2.9)	8.0 (7.1)	5.7 (3.8)	7.9 (3.7)	6.7 (3.8)	5.7 (4.8)	6.3 (4.2)
Vit.C (mg)	Yes	20.3** (29.7)	16.8 (23.2)	22.4** (39.3)	38.8 (106)	25.5 (66.6)	19.8 (53.2)	15.9 (34.7)	36.4 (100)	39.7** (43.2)	30.9** (67.8)	24.1 (62.8)	26.8** (65.0)
	No	51.6 (87.2)	21.1 (43.9)	45.7 (78.9)	78.5 (415)	26.7 (60.2)	49.2 (137)	21.9 (33.7)	30.5 (53.6)	65.4 (80.7)	50.2 (97.3)	43.8 (290)	47.9 (190)
Ca⁺⁺ (mg)	Yes	320** (367)	236** (251)	243** (206)	351* (342)	222 (197)	184 (166)	272 (229)	235 (199)	352** (248)	296** (260)	283 (303)	288** (286)
	No	466 (332)	301 (222)	319 (259)	379 (328)	236 (205)	229 (208)	250 (305)	256 (194)	584 (392)	402 (336)	285 (269)	360 (319)

Ca⁺⁺ = Calcium

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Table 8.61 The number of items procured and items indicated in the table as obtained from the FPHIQ in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 2): Do you ever rely on a limited number of foods to feed your children because you are running out of money to buy food for a meal?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		411 (370; 41)	208 (97; 111)	357 (193; 164)	528 (346; 182)	156 (99; 57)	153 (110; 43)	339 (225; 114)	223 (139; 84)	350 (170; 180)	1324 (702; 622)	1401 (1047; 354)	2725 (1749; 976)
Items In Proc	Yes	34.2* (10.9)	13.6** (5.9)	31.8** (14.2)	34.5** (13.4)	19.7** (13.4)	21.9* (11.1)	16.0* (10.9)	31.0** (9.6)	58.1** (18.2)	36.7** (19.3)	27.1 (14.1)	31.0** (17.1)
	No	42.1 (19.6)	17.4 (8.6)	47.0 (23.3)	42.2 (17.5)	32.5 (18.5)	26.7 (10.9)	19.9 (13.1)	38.0 (10.3)	74.7 (21.2)	49.3 (26.6)	29.0 (17.2)	42.0 (25.5)
Anim. In Proc	Yes	7.4** (3.2)	2.7** (1.5)	7.6** (2.9)	7.1** (3.4)	4.5** (3.3)	4.8 (2.8)	3.7* (3.1)	6.6** (2.6)	13.0** (4.9)	8.3** (4.8)	5.8* (3.5)	6.8** (4.3)
	No	9.7 (5.2)	3.7 (2.2)	11.2 (5.8)	9.0 (4.4)	7.4 (4.4)	5.5 (3.0)	4.9 (3.8)	8.4 (2.9)	16.9 (5.1)	11.2 (6.4)	6.4 (4.0)	9.5 (6.1)
Dairy In Proc	Yes	2.1** (1.2)	0.8** (0.5)	1.6** (1.2)	1.8** (1.2)	0.9** (0.9)	0.9 (0.7)	0.7** (0.9)	1.3** (0.7)	3.2** (1.8)	2.1** (1.6)	1.4* (1.1)	1.6** (1.3)
	No	3.0 (1.7)	1.0 (0.5)	2.9 (1.9)	2.9 (1.7)	1.8 (1.5)	1.0 (1.0)	1.2 (1.4)	1.8 (1.1)	4.9 (2.1)	3.2 (2.2)	1.6 (1.4)	2.6 (2.1)

*Wilcoxon test for two samples; significant for $P < 0.05$

**Wilcoxon test for two samples significant for $P < 0.01$

Proc. = Procurement

Anim. = Foods of animal origin

Dairy = Dairy products

FPHIQ = Food Procurement and Household Inventory Questionnaire

Table 8.62 The number of items in the HH inventory and items indicated in the table as obtained from the FPHIQ in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 2): Do you ever rely on a limited number of foods to feed your children because you are running out of money to buy food for a meal?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		343 (316; 27)	180 (86; 94)	149 (97; 52)	304 (234; 70)	144 (94; 50)	64 (44; 20)	327 (216; 111)	111 (72; 39)	66 (42; 24)	550 (345; 215)	1128 (856; 272)	1688 (1201; 487)
Items In Inv.	Yes	9.4 (6.7)	3.2** (2.2)	8.0 (5.3)	7.9** (5.3)	7.0** (5.5)	6.8** (3.9)	7.0** (5.1)	6.1* (4.9)	15.7 (11.2)	9.2** (7.5)	7.3** (5.4)	7.9** (6.1)
	No	12.1 (7.5)	6.2 (6.6)	10.0 (9.5)	15.9 (9.0)	13.3 (11.8)	10.0 (3.9)	11.2 (8.5)	8.2 (5.9)	18.5 (16.2)	12.4 (11.5)	10.1 (7.4)	11.1 (9.5)
Anim. In Inv.	Yes	0.7 (1.2)	0.5* (0.7)	1.2 (1.3)	0.8** (1.3)	1.3** (1.7)	0.5* (0.8)	1.0** (1.6)	0.6* (1.2)	2.1 (3.1)	1.2** (1.8)	0.8** (1.3)	0.9** (1.4)
	No	1.3 (1.6)	1.0 (2.0)	1.6 (2.9)	2.4 (2.4)	3.0 (3.4)	1.2 (1.2)	2.4 (2.6)	1.0 (1.5)	2.6 (3.4)	2.4 (3.1)	1.5 (1.9)	1.9 (2.6)
Dairy In Inv.	Yes	0.3* (0.6)	0.3 (0.5)	0.4 (0.6)	0.4** (0.6)	0.4 (0.6)	0.2 (0.4)	0.3** (0.6)	0.3 (0.6)	0.7 (1.3)	0.4** (0.8)	0.3** (0.6)	0.4** (0.6)
	No	0.7 (1.0)	0.4 (0.6)	0.6 (1.0)	0.9 (1.0)	0.7 (1.0)	0.4 (0.6)	0.8 (1.1)	0.3 (0.6)	0.9 (1.4)	0.8 (1.2)	0.5 (0.7)	0.6 (1.0)

*Wilcoxon test for two samples; significant for $P < 0.05$

**Wilcoxon test for two samples; significant for $P < 0.01$

Inv. = Household inventory

Anim. = Foods of animal origin

Dairy = Dairy products

FPHIQ = Food Procurement and Household Inventory Questionnaire

Table 8.63 The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 2a): Do you ever rely on a limited number of foods to feed your children because you are running out of money to buy food for a meal in the past 5 days?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n		357	201	382	435	115	126	261	221	274	1174	1198	2372
[Yes (n); No (n)]		(284; 73)	(75; 126)	(177; 205)	(237; 198)	(65; 50)	(79; 47)	(146; 115)	(120; 101)	(132; 142)	(546; 628)	(769; 429)	(1315; 1057)
H/A	Yes	-1.0* (1.4)	-1.6 (1.6)	-0.9 (1.5)	-0.8 (1.4)	-1.0 (1.8)	-1.3 (1.8)	-1.1 (1.3)	-1.2 (1.3)	-1.1** (1.2)	-1.0** (1.5)	-1.1 (1.5)	-1.1** (1.5)
	No	-0.7 (1.6)	-1.2 (1.3)	-0.9 (1.4)	-0.6 (1.6)	-1.1 (1.8)	-1.1 (1.7)	-1.1 (1.5)	-1.0 (1.4)	-0.2 (1.3)	-0.6 (1.5)	-1.1 (1.5)	-0.8 (1.5)
W/A	Yes	-0.4* (1.1)	-1.0 (1.1)	-0.5 (1.3)	-0.5** (1.1)	-0.1 (1.6)	-1.1 (1.2)	-1.1** (1.0)	-1.1 (1.0)	-0.8** (1.3)	-0.6** (1.3)	-0.8 (1.1)	-0.7** (1.2)
	No	-0.1 (1.3)	-0.8 (1.2)	-0.4 (1.2)	-0.2 (1.2)	-0.3 (1.2)	-1.0 (1.6)	-0.8 (1.2)	-1.0 (1.2)	0 (1.2)	-0.3 (1.3)	-0.7 (1.2)	-0.4 (1.3)
W/H	Yes	0.3 (1.2)	0.0 (1.4)	0.1 (1.2)	0.0** (1.2)	0.7 (1.6)	-0.3 (1.3)	-0.6** (1.2)	-0.4 (0.9)	-0.1* (1.1)	0.1* (1.3)	-0.1 (1.3)	0.0* (1.3)
	No	0.5 (1.3)	0.0 (1.2)	0.2 (1.3)	0.3 (1.3)	0.6 (1.3)	-0.4 (1.4)	-0.1 (1.2)	-0.5 (1.0)	0.2 (1.2)	0.2 (1.3)	0.0 (1.2)	0.1 (1.3)

H/A = Height-for-Age

W/A = Weight-for-Age

W/H = Weight-for-Height

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Table 8.64 The dietary intake of selected nutrients as obtained by the 24-H-R Questionnaire in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 2a): Do you ever rely on a limited number of foods to feed your children because you are running out of money to buy food for a meal in the past 5 days?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		402 (313; 89)	207 (80; 127)	400 (187; 213)	521 (269; 252)	133 (77; 56)	146 (88; 58)	289 (162; 127)	225 (123; 102)	304 (145; 159)	1285 (590; 695)	1342 (854; 488)	2627 (1444; 1183)
Energy (kJ)	Yes	4879** (2301)	3260** (1827)	3981* (1507)	5330* (2206)	4169 (2170)	3405* (1673)	4187 (1959)	4359* (2043)	5274** (1914)	4624** (2086)	4494* (2152)	4547** (2126)
	No	5766 (2543)	4338 (2154)	4447 (1832)	5702 (2143)	4856 (2321)	4477 (2778)	4153 (1979)	5055 (2546)	6515 (2392)	5373 (2434)	4763 (2192)	5121 (2356)
Zinc (mg)	Yes	3.9** (2.4)	3.0** (2.1)	4.0* (2.1)	5.0** (3.0)	4.3 (2.5)	3.5 (2.5)	4.7 (3.4)	4.1* (2.7)	5.4** (3.0)	4.6** (2.9)	4.1** (2.7)	4.3** (2.8)
	No	5.2 (3.1)	4.2 (2.7)	4.6 (2.7)	5.8 (3.0)	4.7 (2.6)	4.9 (4.4)	4.9 (3.5)	5.0 (3.0)	7.0 (3.9)	5.7 (3.4)	4.8 (3.0)	5.3 (3.3)
Vit.A (RE)	Yes	246** (418)	234* (531)	452** (1547)	308** (508)	525 (2231)	176 (318)	474 (621)	275 (747)	553** (898)	459** (1319)	280 (495)	353** (929)
	No	652 (1462)	393 (1006)	373 (876)	377 (1390)	409 (1463)	540 (1304)	338 (509)	318 (819)	596 (812)	513 (1028)	308 (1147)	428 (1083)
Iron (mg)	Yes	4.3** (3.0)	3.1** (2.4)	4.6** (4.2)	6.0 (4.0)	5.4 (3.6)	3.2* (2.5)	8.3 (6.5)	4.4* (3.1)	5.7** (3.4)	4.9** (3.8)	5.4 (4.3)	5.2** (4.2)
	No	6.0 (3.6)	4.4 (3.3)	5.5 (3.2)	6.4 (4.2)	5.0 (3.5)	4.5 (3.3)	7.3 (6.3)	5.6 (4.1)	7.7 (3.6)	6.4 (4.1)	5.4 (4.2)	6.0 (4.2)
Vit.C (mg)	Yes	19.3** (29.0)	14.9 (22.2)	23.3* (42.0)	36.7 (93.9)	17.2 (32.4)	19.2 (54.6)	15.1 (26.6)	35.4 (105)	40.4** (48.9)	29.1** (63.1)	23.4 (58.4)	25.7** (60.4)
	No	38.1 (65.0)	21.7 (42.1)	36.7 (70.0)	71.1 (363)	33.8 (83.1)	43.2 (121)	19.7 (41.8)	31.3 (53.7)	64.0 (80.5)	46.6 (97.3)	40.5 (254)	44.1 (179)
Ca⁺⁺ (mg)	Yes	306** (366)	228** (238)	240* (214)	327** (337)	228 (201)	168 (141)	265 (231)	236 (181)	349** (257)	284** (254)	274* (302)	278** (283)
	No	391 (308)	297 (235)	284 (220)	394 (338)	223 (187)	226 (216)	243 (293)	254 (214)	550 (376)	375 (318)	289 (274)	340 (303)

Ca⁺⁺ = Calcium

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Table 8.65 The number of items procured and items indicated in the table as obtained from the FPHIQ in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 2a): Do you ever rely on a limited number of foods to feed your children because you are running out of money to buy food for a meal in the past 5 days?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		405 (315; 90)	207 (80; 127)	345 (162; 183)	518 (268; 250)	132 (77; 55)	150 (91; 59)	292 (164; 128)	223 (122; 101)	304 (145; 159)	1243 (575; 668)	1333 (849; 484)	2576 (1424;1152)
Items In Proc	Yes	33.6** (10.4)	13.8* (6.2)	30.9** (13.2)	34.0** (13.5)	18.1** (11.9)	21.9 (10.3)	16.0 (11.3)	30.0** (10.3)	55.8** (17.5)	36.1** (18.7)	26.9 (13.6)	30.6** (16.5)
	No	40.2 (16.5)	16.8 (8.4)	41.4 (18.7)	40.2 (16.5)	27.5 (15.4)	24.9 (12.3)	17.9 (12.2)	38.1 (10.1)	72.9 (20.0)	45.2 (24.4)	28.7 (16.3)	38.3 (22.9)
Anim. In Proc	Yes	7.3** (3.2)	2.8** (1.6)	7.3** (3.5)	7.0** (3.5)	4.2** (3.0)	4.8 (2.6)	3.7 (3.2)	6.4** (2.8)	12.4** (4.7)	8.1** (4.6)	5.7* (3.4)	6.7** (4.1)
	No	9.1 (4.5)	3.6 (2.2)	9.9 (4.9)	8.5 (4.1)	6.3 (3.9)	5.1 (3.2)	4.5 (3.6)	8.5 (2.9)	16.7 (4.9)	10.4 (6.0)	6.2 (3.8)	8.6 (5.6)
Dairy In Proc	Yes	2.1** (1.1)	0.8** (0.5)	1.5** (1.1)	1.8** (1.2)	0.8** (0.9)	0.9 (0.7)	0.7** (0.8)	1.4** (0.9)	3.0** (1.7)	2.0** (1.5)	1.3** (1.1)	1.6** (1.3)
	No	2.7 (1.7)	1.0 (0.5)	2.4 (1.6)	2.6 (1.6)	1.4 (1.2)	0.9 (0.9)	1.2 (1.3)	1.7 (1.0)	4.8 (2.1)	2.8 (2.1)	1.6 (1.3)	2.3 (1.9)

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Proc. = Procurement

Anim. = Foods of animal origin

Dairy = Dairy products

FPHIQ = Food Procurement and Household Inventory Questionnaire

Table 8.66 The number of items in the HH inventory and items indicated in the table as obtained from the FPHIQ in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 2a): Do you ever rely on a limited number of foods to feed your children because you are running out of money to buy food for a meal in the past 5 days?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		340 (272; 68)	179 (71; 108)	148 (77; 71)	301 (186; 115)	123 (74; 49)	64 (38; 26)	280 (156; 124)	112 (61; 51)	55 (35; 20)	539 (285; 254)	1063 (685; 378)	1502 (970; 632)
Items In Inv.	Yes	8.8** (6.4)	3.3** (2.2)	8.1 (5.6)	7.5** (5.1)	6.7** (5.0)	7.1 (3.9)	6.8** (5.3)	5.9 (4.4)	12.9* (6.1)	8.8** (6.7)	7.0** (5.0)	7.5** (5.6)
	No	13.2 (7.5)	5.8 (6.3)	8.3 (5.0)	13.3 (8.3)	11.0 (8.0)	8.9 (4.3)	9.7 (7.4)	7.8 (6.1)	23.1 (19.7)	11.3 (10.2)	9.5 (7.0)	10.3 (8.4)
Anim. In Inv.	Yes	0.6** (1.1)	0.5 (0.6)	1.3 (1.5)	0.7** (1.2)	1.2** (1.7)	0.5 (0.8)	1.0** (1.5)	0.5 (0.8)	1.3* (1.4)	1.1** (1.6)	0.6** (1.1)	0.8** (1.3)
	No	1.4 (1.7)	0.9 (1.9)	1.0 (1.3)	1.8 (2.1)	2.4 (2.2)	1.0 (1.2)	2.1 (2.4)	1.0 (1.7)	3.8 (4.8)	1.9 (2.6)	1.4 (1.8)	1.6 (2.2)
Dairy In Inv.	Yes	0.3* (0.6)	0.3 (0.6)	0.4 (0.7)	0.4** (0.6)	0.4 (0.6)	0.2 (0.4)	0.3** (0.5)	0.3 (0.5)	0.5* (0.6)	0.4** (0.6)	0.3** (0.5)	0.3** (0.6)
	No	0.6 (0.8)	0.4 (0.6)	0.4 (0.7)	0.7 (0.9)	0.5 (0.7)	0.4 (0.6)	0.7 (1.0)	0.3 (0.7)	1.4 (2.1)	0.7 (1.1)	0.5 (0.7)	0.6 (0.9)

*Wilcoxon test for two samples; significant for $P < 0.05$

**Wilcoxon test for two samples; significant for $P < 0.01$

Inv. = Household inventory

Anim. = Foods of animal origin

Dairy = Dairy products

FPHIQ = Food Procurement and Household Inventory Questionnaire

Table 8.67 The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 2b): Do you ever rely on a limited number of foods to feed your children because you are running out of money to buy food for a meal 5 or more times in the past 30 days?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n		358	202	370	435	119	127	273	221	268	1165	1208	2373
[Yes (n); No (n)]		(249; 109)	(76; 126)	(154; 216)	(183; 252)	(66; 53)	(73; 54)	(159; 114)	(119; 102)	(84; 184)	(450; 715)	(713; 495)	(1163; 1210)
H/A	Yes	-1.1* (1.5)	-1.5 (1.6)	-0.9 (1.5)	-0.9 (1.5)	-1.1 (1.7)	-1.5 (1.6)	-1.0 (1.4)	-1.2 (1.2)	-1.1** (1.3)	-1.0** (1.4)	-1.1 (1.5)	-1.1** (1.5)
	No	-0.7 (1.4)	-1.3 (1.3)	-0.9 (1.4)	-0.7 (1.5)	-0.9 (1.8)	-0.9 (1.9)	-1.2 (1.5)	-1.0 (1.4)	-0.4 (1.3)	-0.6 (1.5)	-1.1 (1.5)	-0.8 (1.5)
W/A	Yes	-0.4 (1.2)	-1.0 (1.1)	-0.5 (1.2)	-0.5* (1.1)	-0.2 (1.6)	-1.2 (1.1)	-1.0 (1.1)	-1.1 (1.0)	-0.9** (1.4)	-0.6** (1.3)	-0.8 (1.2)	-0.7** (1.2)
	No	-0.2 (1.1)	-0.8 (1.2)	-0.4 (1.2)	-0.3 (1.2)	-0.2 (1.2)	-0.9 (1.6)	-0.8 (1.2)	-1.0 (1.2)	-0.1 (1.3)	-0.3 (1.3)	-0.7 (1.2)	-0.5 (1.3)
W/H	Yes	0.4 (1.2)	0.0 (1.4)	0.1 (1.1)	0.0 (1.2)	0.7 (1.6)	-0.4 (1.3)	-0.5* (1.2)	-0.4 (0.9)	-0.2** (1.1)	0.1* (1.3)	-0.1 (1.2)	0.0** (1.3)
	No	0.4 (1.2)	0.0 (1.2)	0.2 (1.3)	0.2 (1.3)	0.5 (1.2)	-0.4 (1.5)	-0.1 (1.3)	-0.5 (1.0)	0.2 (1.2)	0.2 (1.3)	0.0 (1.2)	0.1 (1.3)

H/A = Height-for-Age

W/A = Weight-for-Age

W/H = Weight-for-Height

*Wilcoxon test for two samples; significant for $P < 0.05$

**Wilcoxon test for two samples; significant for $P < 0.01$

Table 8.68 The dietary intake of selected nutrients as obtained by the 24-H-R Questionnaire in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 2b): Do you ever rely on a limited number of foods to feed your children because you are running out of money to buy food for a meal 5 or more times in the past 30 days?]

Para- Meter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		403 (278; 125)	208 (81; 127)	388 (164; 224)	521 (206; 315)	136 (78; 58)	146 (82; 64)	301 (173; 128)	225 (122; 103)	295 (92; 203)	1274 (486; 788)	1349 (790; 559)	2623 (1276; 1347)
Energy (kJ)	Yes	4930* (2383)	3290** (1980)	3871** (1429)	5205** (2195)	4168 (1916)	3665 (1983)	4145 (1924)	4335* (1989)	5100** (1944)	4428** (2057)	4472** (2158)	4455** (2119)
	No	5497 (2370)	4323 (2068)	4492 (1845)	5710 (2153)	4841 (2524)	4080 (2482)	4421 (2005)	5078 (2583)	6323 (2366)	5396 (2395)	4836 (2170)	5164 (2320)
Zinc (mg)	Yes	3.9** (2.4)	3.1** (2.3)	3.9** (2.1)	4.7** (2.8)	4.2 (2.4)	3.8 (2.9)	4.7 (3.7)	4.1* (2.7)	5.0** (2.9)	4.3** (2.8)	4.1** (2.8)	4.2** (2.8)
	No	5.0 (3.0)	4.2 (2.5)	4.6 (2.6)	5.9 (3.1)	4.7 (2.7)	4.5 (4.1)	5.4 (3.8)	5.0 (3.1)	6.8 (3.7)	5.7 (3.4)	4.8 (3.0)	5.3 (3.3)
Vit.A (RE)	Yes	236** (402)	245 (530)	466** (1644)	309* (532)	530 (2225)	356 (1005)	489* (619)	219 (481)	419** (508)	443** (1386)	292 (532)	350** (955)
	No	569 (1240)	386 (1006)	341 (658)	363 (1257)	367 (1419)	394 (993)	350 (515)	385 (1023)	645 (970)	516 (1000)	297 (1065)	425 (1033)
Iron (mg)	Yes	4.4** (3.1)	3.2** (2.9)	4.4** (4.2)	5.7** (3.9)	5.1 (3.4)	3.5 (2.8)	9.2 (7.8)	4.4* (3.2)	5.2** (2.9)	4.6** (3.8)	5.6 (5.0)	5.2** (4.6)
	No	5.4 (3.4)	4.3 (3.1)	5.5 (3.2)	6.5 (4.2)	5.2 (3.7)	4.2 (3.0)	7.5 (6.2)	5.5 (4.0)	7.5 (3.8)	6.4 (4.0)	5.5 (4.2)	6.0 (4.1)
Vit.C (mg)	Yes	18.4** (28.8)	14.6 (21.7)	21.3** (41.9)	28.5 (36.7)	17.3 (21.2)	18.9 (29.8)	15.2 (36.8)	30.2 (84.0)	41.8 (49.0)	24.8** (39.5)	21.1** (44.4)	22.5** (42.6)
	No	33.0 (55.3)	21.9 (42.2)	38.1 (68.7)	69.5 (334)	34.7 (86.3)	43.2 (128)	18.2 (28.1)	37.5 (87.5)	57.1 (73.7)	46.7 (100.8)	41.3 (242)	44.5 (174)
Ca⁺⁺ (mg)	Yes	314** (389)	245* (270)	238* (211)	314** (343)	233 (184)	195 (166)	281 (230)	221* (177)	325** (291)	273** (259)	276** (307)	275** (290)
	No	373 (295)	287 (214)	284 (221)	389 (332)	218 (201)	205 (198)	253 (300)	272 (215)	515 (362)	374 (312)	296 (276)	341 (300)

Ca⁺⁺ = Calcium

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Table 8.69 The number of items procured and items indicated in the table as obtained from the FPHIQ in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 2b): Do you ever rely on a limited number of foods to feed your children because you are running out of money to buy food for a meal 5 or more times in the past 30 days?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		406 (280;126)	208 (81; 127)	336 (143; 193)	518 (207; 311)	165 (78; 57)	150 (83; 67)	304 (175; 129)	223 (123; 100)	295 (92; 203)	1234 (474; 760)	1341 (788; 553)	2575 (1262;1313)
Items In Proc	Yes	32.8** (10.5)	13.6** (6.2)	30.2** (13.0)	32.8** (11.8)	16.5** (9.2)	21.2* (10.6)	15.8* (10.7)	31.0** (10.8)	54.0** (17.1)	33.0** (17.3)	25.8** (13.2)	28.5** (15.3)
	No	39.9 (14.4)	17.0 (8.3)	41.1 (18.6)	39.7 (16.7)	29.6 (16.0)	25.3 (11.8)	18.9 (12.0)	37.0 (10.4)	69.1 (20.2)	45.4 (23.6)	29.9 (15.9)	38.9 (22.1)
Anim. In Proc	Yes	7.2** (3.1)	2.8** (1.6)	7.2** (3.4)	6.7** (3.1)	3.8** (2.5)	4.7 (2.7)	3.5** (3.0)	6.7** (2.9)	11.9** (4.8)	7.4** (4.3)	5.5** (3.3)	6.2** (3.8)
	No	8.9 (4.1)	3.5 (2.2)	9.8 (4.8)	8.4 (4.2)	6.8 (3.9)	5.3 (3.1)	4.8 (3.6)	8.2 (3.0)	15.8 (4.9)	10.4 (5.8)	6.5 (3.8)	8.7 (5.4)
Dairy In Proc	Yes	2.0** (1.1)	0.8** (0.5)	1.4** (1.1)	1.6** (1.1)	0.8** (0.9)	0.8 (0.7)	0.7** (0.8)	1.4* (0.9)	2.9** (1.8)	1.8** (1.4)	1.3** (1.0)	1.5** (1.2)
	No	2.7 (1.5)	1.0 (0.5)	2.4 (1.6)	2.5 (1.6)	1.4 (1.2)	1.0 (0.9)	1.1 (1.3)	1.7 (1.0)	4.3 (2.1)	2.8 (2.0)	1.6 (1.3)	2.3 (1.8)

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Proc. = Procurement

Anim. = Foods of animal origin

Dairy = Dairy products

FPHIQ = Food Procurement and Household Inventory Questionnaire

Table 8.70 The number of items in the HH inventory and items indicated in the table as obtained from the FPHIQ in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 2b): Do you ever rely on a limited number of foods to feed your children because you are running out of money to buy food for a meal 5 or more times in the past 30 days?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		342 (242; 100)	180 (71; 109)	148 (74; 74)	301 (147; 154)	126 (75; 51)	64 (36; 28)	294 (169; 125)	112 (59; 53)	52 (23; 29)	545 (253; 292)	1074 (643; 431)	1619 (896; 723)
Items In Inv.	Yes	8.5** (6.2)	3.2** (2.0)	7.5* (5.6)	6.8** (4.9)	6.6** (4.7)	6.8* (4.1)	6.5** (4.5)	6.1 (4.8)	11.6** (5.1)	8.1** (6.5)	6.6** (4.7)	7.0** (5.3)
	No	12.7 (7.3)	5.8 (6.3)	8.9 (4.9)	12.5 (7.8)	11.0 (7.8)	9.2 (3.8)	10.4 (7.5)	7.5 (5.8)	20.9 (17.1)	11.5 (9.7)	9.8 (6.9)	10.5 (8.2)
Anim. In Inv.	Yes	0.6** (1.1)	0.4* (0.6)	1.1 (1.3)	0.6** (1.0)	1.2** (1.6)	0.5 (0.7)	0.9** (1.4)	0.5 (0.9)	0.9** (1.1)	0.9** (1.4)	0.7** (1.1)	0.7** (1.2)
	No	1.2 (1.5)	0.9 (1.9)	1.2 (1.5)	1.7 (2.0)	2.4 (2.2)	1.0 (1.2)	2.2 (2.4)	0.9 (1.7)	3.3 (4.1)	2.0 (2.5)	1.3 (1.8)	1.6 (2.1)
Dairy In Inv.	Yes	0.3* (0.6)	0.3* (0.5)	0.3 (0.6)	0.3** (0.5)	0.4 (0.6)	0.2 (0.4)	0.3** (0.5)	0.3 (0.5)	0.4 (0.7)	0.3** (0.6)	0.3** (0.5)	0.3** (0.5)
	No	0.5 (0.8)	0.4 (0.5)	0.5 (0.8)	0.7 (0.9)	0.5 (0.7)	0.4 (0.6)	0.7 (1.0)	0.3 (0.7)	1.1 (1.8)	0.7 (1.1)	0.5 (0.7)	0.6 (0.9)

*Wilcoxon test for two samples; significant for $P < 0.05$

**Wilcoxon test for two samples; significant for $P < 0.01$

Inv. = Household inventory

Anim. = Foods of animal origin

Dairy = Dairy products

FPHIQ = Food Procurement and Household Inventory Questionnaire

Table 8.71 The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 3): Do you ever cut the size of meals or skip any because there is not enough food in the house?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n		363	202	392	445	135	128	304	219	318	1245	1261	2506
[Yes (n); No (n)]		(297; 66)	(73; 129)	(171; 221)	(249; 196)	(68; 67)	(81; 47)	(173; 131)	(122; 97)	(131; 187)	(563; 682)	(802; 459)	(1365; 1141)
H/A	Yes	-1.0 (1.4)	-1.5 (1.6)	-0.9 (1.5)	-0.9 (1.5)	-1.2 (1.8)	-1.2 (1.8)	-1.1 (1.3)	-1.2 (1.3)	-0.9** (1.2)	-0.9** (1.5)	-1.1 (1.5)	-1.0** (1.5)
	No	-0.7 (1.4)	-1.3 (1.3)	-0.7 (1.5)	-0.7 (1.5)	-0.7 (1.6)	-1.1 (1.6)	-1.1 (1.5)	-1.1 (1.4)	-0.3 (1.3)	-0.6 (1.4)	-1.1 (1.5)	-0.8 (1.5)
W/A	Yes	-0.4** (1.2)	-0.9 (1.1)	-0.5* (1.3)	-0.5* (1.1)	-0.3 (1.4)	-1.1 (1.3)	-1.0* (1.0)	1.2 (1.0)	-0.7** (1.2)	-0.6** (1.2)	-0.8 (1.2)	-0.7** (1.2)
	No	0.0 (1.1)	-0.8 (1.2)	-0.3 (1.3)	-0.2 (1.2)	-0.2 (1.3)	-0.9 (1.5)	-0.8 (1.1)	-1.0 (1.1)	0.0 (1.4)	-0.2 (1.3)	-0.7 (1.2)	-0.4 (1.3)
W/H	Yes	0.3* (1.2)	0.0 (1.4)	0.1 (1.2)	0.1 (1.2)	0.7 (1.3)	-0.5 (1.2)	-0.5* (1.2)	-0.5 (0.9)	-0.2** (1.1)	0.0** (1.2)	-0.1 (1.2)	0.0** (0.2)
	No	0.6 (1.1)	0.0 (1.2)	0.3 (1.3)	0.3 (1.3)	0.4 (1.5)	-0.2 (1.6)	-0.1 (1.3)	-0.5 (1.0)	0.2 (1.3)	0.3 (1.4)	-0.1 (1.2)	0.1 (1.3)

H/A = Height-for-Age

W/A = Weight-for-Age

W/H = Weight-for-Height

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Table 8.72 The dietary intake of selected nutrients as obtained by the 24-H-R Questionnaire in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 3): Do you ever cut the size of meals or skip any because there is not enough food in the house?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		409 (332; 77)	208 (76; 132)	410 (183; 227)	531 (280; 251)	155 (81; 74)	147 (87; 60)	339 (193; 146)	224 (124; 100)	350 (144; 206)	1361 (607; 754)	1412 (893; 519)	2773 (1500; 1273)
Energy (kJ)	Yes	4921** (2353)	3314** (2182)	3916** (1373)	5364* (2276)	4019** (2098)	3757 (2153)	3963** (1821)	4289* (1831)	5346** (2118)	4676** (2189)	4462** (2161)	4549** (2174)
	No	5886 (2411)	4270 (1961)	4597 (1931)	5653 (2040)	5005 (2149)	4126 (2354)	4801 (2292)	5203 (2865)	6513 (2328)	5460 (2394)	4900 (2197)	5232 (2331)
Zinc (mg)	Yes	4.0** (2.5)	2.9** (2.1)	3.9** (2.1)	5.1** (3.3)	3.9** (2.0)	4.1 (3.5)	4.5** (3.4)	4.0** (2.8)	5.5** (3.2)	4.6** (3.1)	4.1** (2.8)	4.3** (2.9)
	No	5.3 (3.1)	4.2 (2.6)	4.8 (2.7)	5.7 (2.6)	5.2 (2.8)	4.2 (3.4)	5.8 (4.2)	5.1 (2.9)	7.1 (3.8)	5.8 (3.3)	4.9 (3.1)	5.4 (3.3)
Vit.A (RE)	Yes	291** (732)	162** (251)	441** (1552)	395* (1379)	286 (743)	310 (802)	514* (765)	256 (741)	548** (995)	477** (1227)	303 (865)	374** (1030)
	No	518 (925)	428 (1044)	422 (892)	277 (302)	613 (2485)	375 (983)	399 (851)	374 (892)	684 (1018)	549 (1207)	294 (651)	445 (1025)
Iron (mg)	Yes	4.4** (3.1)	2.9** (2.4)	4.5** (4.1)	6.1 (4.2)	5.0 (3.5)	3.8 (3.0)	8.6 (7.1)	4.3** (3.2)	5.9** (3.5)	5.0** (3.9)	5.6* (4.8)	5.3** (4.4)
	No	5.9 (3.5)	4.4 (3.3)	5.7 (3.2)	6.3 (3.9)	5.8 (3.6)	3.8 (2.7)	7.9 (6.8)	5.7 (3.7)	7.7 (3.6)	6.6 (4.0)	5.6 (4.4)	6.2 (4.2)
Vit.C (mg)	Yes	19.3** (26.0)	16.9 (24.5)	21.1** (35.6)	57.9 (337)	24.0 (67.6)	29.8 (97.4)	15.1 (35.0)	35.7 (86.4)	38.7** (43.7)	33.0** (77.4)	28.2 (188)	30.1** (153)
	No	41.6 (73.8)	20.4 (40.9)	42.8 (75.3)	46.6 (126)	28.3 (61.0)	27.9 (70.8)	22.6 (36.8)	32.6 (85.7)	63.2 (77.2)	46.1 (88.2)	30.6 (75.3)	39.8 (83.5)
Ca⁺⁺ (mg)	Yes	317** (374)	213** (238)	241** (206)	335** (330)	206 (164)	180 (177)	268 (223)	226 (190)	356** (316)	284** (272)	280* (302)	282** (290)
	No	410 (318)	303 (232)	305 (249)	390 (344)	249 (231)	226 (180)	263 (295)	264 (206)	550 (351)	394 (316)	291 (282)	352 (306)

Ca⁺⁺ = Calcium

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Table 8.73 The number of items procured and items indicated in the table as obtained from the FPHIQ in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 3): Do you ever cut the size of meals or skip any because there is not enough food in the house?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		412 (333; 79)	208 (76; 132)	354 (158; 196)	528 (279; 249)	155 (81; 74)	151 (89; 62)	343 (195; 148)	222 (122; 100)	350 (144; 206)	1320 (587; 733)	1403 (890; 513)	2723 (1477;1246)
Items In Proc	Yes	33.8** (10.8)	13.5** (6.0)	30.3** (13.0)	33.4** (12.9)	17.6** (10.2)	20.8** (11.1)	14.7** (10.2)	30.2** (9.1)	58.5** (18.3)	35.9** (19.1)	26.5** (14.1)	30.2** (16.9)
	No	39.6 (16.4)	16.9 (8.3)	45.9 (22.4)	41.5 (16.7)	31.8 (19.1)	27.2 (10.2)	21.0 (12.8)	37.4 (10.5)	72.3 (21.7)	48.2 (25.8)	29.6 (16.0)	40.5 (24.1)
Anim. In Proc	Yes	7.4** (3.2)	2.8* (1.6)	7.2** (3.5)	6.8** (3.2)	4.1** (2.7)	4.6* (2.8)	3.3** (2.9)	6.4** (2.5)	13.0** (4.9)	8.1** (4.7)	5.6** (3.4)	6.6** (4.2)
	No	8.9 (4.5)	3.5 (2.1)	10.9 (5.6)	8.8 (4.2)	7.2 (4.5)	5.7 (2.8)	5.2 (3.7)	8.4 (2.9)	16.4 (5.3)	11.0 (6.3)	6.5 (3.8)	9.1 (5.8)
Dairy In Proc	Yes	2.1** (1.2)	0.8** (0.5)	1.5** (1.1)	1.7** (1.1)	0.9** (0.8)	0.8 (0.7)	0.6** (0.8)	1.4** (0.7)	3.2** (1.8)	2.0** (1.5)	1.3** (1.0)	1.6** (1.3)
	No	2.7 (1.6)	1.0 (0.5)	2.8 (1.9)	2.8 (1.6)	1.6 (1.5)	1.0 (0.9)	1.3 (1.3)	1.7 (1.0)	4.6 (2.2)	3.0 (2.1)	1.6 (1.3)	2.5 (2.0)

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Proc. = Procurement

Anim. = Foods of animal origin

Dairy = Dairy products

FPHIQ = Food Procurement and Household Inventory Questionnaire

Table 8.74 The number of items in the HH inventory and items indicated in the table as obtained from the FPHIQ in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 3): Do you ever cut the size of meals or skip any because there is not enough food in the house?]

Parameter	Hunger scale Yes/No	Province [Mean (sd)]									Urban/Rural [Mean (sd)]		RSA [Mean (sd)]
		EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	Urban	Rural	
Total n [Yes (n); No (n)]		345 (288; 57)	180 (66; 114)	148 (76; 72)	304 (192; 112)	143 (79; 64)	63 (40; 23)	331 (186; 146)	111 (64; 47)	66 (33; 33)	562 (299; 263)	1129 (724; 405)	1691 (1023;668)
Items In Inv.	Yes	9.1** (6.7)	3.1** (2.1)	7.6* (5.4)	7.9** (5.3)	6.5** (5.1)	6.8** (4.0)	6.4** (4.6)	5.6** (4.2)	14.0 (8.5)	9.0** (7.1)	6.9** (5.1)	7.5** (5.8)
	No	12.5 (6.7)	5.7 (6.2)	9.8 (8.4)	13.3 (8.7)	12.6 (10.9)	9.9 (3.5)	10.9 (8.0)	8.5 (6.2)	19.5 (16.2)	12.1 (11.3)	10.0 (7.1)	10.8 (9.0)
Anim. In Inv.	Yes	0.7* (1.2)	0.4** (0.7)	1.1 (1.4)	0.8** (1.3)	1.2** (1.6)	0.6 (0.8)	0.9** (1.5)	0.4* (0.8)	1.8 (2.1)	1.1** (1.6)	0.7** (1.2)	0.8** (1.3)
	No	1.2 (1.5)	0.9 (1.8)	1.5 (2.5)	1.9 (2.1)	2.8 (3.1)	1.0 (1.2)	2.2 (2.5)	1.1 (1.7)	2.8 (3.9)	2.2 (3.1)	1.4 (1.8)	1.7 (2.4)
Dairy In Inv.	Yes	0.3 (0.6)	0.2* (0.5)	0.3* (0.6)	0.4** (0.7)	0.4* (0.6)	0.2 (0.4)	0.3** (0.5)	0.2 (0.4)	0.5 (0.6)	0.4** (0.6)	0.3** (0.5)	0.3** (0.6)
	No	0.6 (0.8)	0.4 (0.5)	0.6 (1.0)	0.7 (0.9)	0.7 (0.9)	0.4 (0.6)	0.7 (1.0)	0.4 (0.8)	1.1 (1.7)	0.8 (1.2)	0.5 (0.7)	0.6 (0.9)

*Wilcoxon test for two samples; significant for P<0.05

**Wilcoxon test for two samples; significant for P<0.01

Inv. = Household inventory

Anim. = Foods of animal origin

Dairy = Dairy products

FPHIQ = Food Procurement and Household Inventory Questionnaire