

Table 8.123 The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 7): Do you ever cut the size of your children's meals or do they ever skip meals because there is not enough 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)]		359 (269; 90)	202 (71; 131)	392 (144; 248)	445 (209; 236)	134 (70; 64)	129 (74; 55)	299 (157; 142)	219 (108; 111)	318 (94; 224)	1226 (475; 771)	1251 (721; 530)	2497 (1196; 1301)
H/A	Yes	-1.1* (1.4)	-1.6 (1.5)	-0.9 (1.5)	-0.8 (1.5)	-1.1 (1.9)	-1.2 (1.5)	-1.2 (1.3)	-1.1 (1.3)	-0.8** (1.2)	-0.9** (1.5)	-1.1 (1.5)	-1.1** (1.5)
	No	-0.7 (1.4)	-1.2 (1.3)	-0.8 (1.6)	-0.7 (1.5)	-0.8 (1.6)	-1.1 (2.1)	-1.0 (1.5)	-1.1 (1.4)	-0.4 (1.3)	-0.6 (1.5)	-1.1 (1.5)	-0.8 (1.5)
W/A	Yes	-0.5* (1.1)	-1.0 (1.1)	-0.5 (1.2)	-0.5* (1.0)	-0.2 (1.5)	-1.2 (1.1)	-1.1* (1.1)	-1.1 (1.0)	-0.7** (1.2)	-0.6** (1.2)	-0.8 (1.2)	-0.7** (1.2)
	No	-0.1 (1.3)	-0.8 (1.2)	-0.3 (1.3)	-0.2 (1.2)	-0.3 (1.2)	-0.8 (1.6)	-0.8 (1.1)	-1.0 (1.1)	-0.2 (1.4)	-0.2 (1.3)	-0.8 (1.2)	-0.4 (1.3)
W/H	Yes	0.3 (1.2)	0.1 (1.4)	0.1 (1.1)	0.0* (1.3)	0.7 (1.5)	-0.5 (1.2)	-0.4 (1.3)	-0.5 (0.9)	-0.2** (1.2)	0.0** (1.2)	0.0 (1.3)	0.0 (1.3)
	No	0.5 (1.2)	0.0 (1.2)	0.3 (1.3)	0.3 (1.3)	0.4 (1.4)	-0.2 (1.6)	-0.2 (1.2)	-0.5 (1.0)	0.2 (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 8.124 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 7): Do you ever cut the size of your children's meals or do they ever skip meals because there is not enough 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)]		405 (300; 105)	208 (74; 134)	410 (153; 257)	530 (239; 291)	154 (83; 71)	149 (84; 65)	334 (175; 159)	224 (110; 114)	351 (103; 248)	1363 (517; 846)	1402 (804; 598)	2765 (1321; 1444)
Energy (kJ)	Yes	5008 (2396)	3211** (2149)	3882** (1388)	5381 (2274)	3995** (2057)	3567 (2041)	4010* (1798)	4292 (1799)	5043** (2141)	4555** (2201)	4464** (2165)	4500** (2179)
	No	5372 (2304)	4313 (1959)	4532 (1877)	5599 (2085)	5060 (2192)	4299 (2417)	4636 (2326)	5079 (2803)	6432 (2249)	5430 (2343)	4836 (2211)	5184 (2307)
Zinc (mg)	Yes	4.0** (2.4)	3.0** (2.3)	3.9** (2.1)	5.0** (3.4)	4.1* (2.4)	3.6* (3.2)	4.3** (2.9)	4.1* (2.8)	5.2** (3.2)	4.5** (3.1)	4.1** (2.6)	4.2** (2.8)
	No	4.9 (2.9)	4.1 (2.6)	4.7 (2.6)	5.7 (2.7)	4.9 (2.5)	4.8 (3.7)	5.8 (4.5)	4.9 (3.0)	6.9 (3.7)	5.7 (3.3)	4.9 (3.3)	5.4 (3.3)
Vit.A (RE)	Yes	291** (757)	228** (553)	496** (1696)	310** (532)	499 (2152)	256** (777)	455 (584)	292 (920)	469** (1000)	487** (1505)	280* (515)	361** (1028)
	No	416 (650)	388 (979)	392 (839)	363 (1297)	382 (1301)	402 (964)	479 (1002)	323 (697)	693 (1006)	526 (982)	327 (1061)	443 (1020)
Iron (mg)	Yes	4.4** (3.1)	2.9** (2.5)	4.5** (4.3)	6.1 (4.1)	5.1 (3.5)	3.2** (2.6)	8.3 (6.5)	4.4* (3.2)	5.4** (3.4)	4.8** (4.0)	5.5* (4.5)	5.2** (4.3)
	No	5.4 (3.4)	4.4 (3.2)	5.6 (3.1)	6.2 (4.0)	5.6 (3.6)	4.5 (3.1)	8.3 (7.6)	5.4 (3.7)	7.6 (3.6)	6.5 (3.9)	5.7 (4.9)	6.2 (4.3)
Vit.C (mg)	Yes	21.2 (31.9)	16.3 (24.5)	21.3** (37.4)	41.1 (109)	21.0 (61.3)	24.7 (84.8)	14.6* (25.2)	36.7 (91.6)	38.7** (45.0)	30.4** (66.7)	24.0 (65.4)	26.5** (66.0)
	No	29.0 (57.6)	20.6 (40.6)	40.2 (71.6)	62.0 (336)	32.1 (68.2)	33.6 (89.7)	22.3 (36.5)	31.8 (80.4)	59.1 (72.8)	46.1 (92.1)	35.9 (227)	41.9 (162)
Ca⁺⁺ (mg)	Yes	321 (380)	218** (245)	234** (210)	310** (326)	203 (170)	173* (180)	262 (225)	212** (180)	318** (242)	266** (253)	271** (302)	269** (284)
	No	355 (299)	299 (230)	301 (243)	403 (342)	249 (226)	226 (172)	271 (290)	270 (208)	529 (354)	391 (312)	299 (282)	353 (304)

Ca⁺⁺ = Calcium; *Wilcoxon test for two samples; significant for P<0.05; **Wilcoxon test for two samples; significant for P<0.01

Table 8.125 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 7): Do you ever cut the size of your children's meals or do they ever skip meals because there is not enough 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)]		408 (301; 107)	208 (74; 134)	354 (133; 221)	527 (238; 289)	154 (83; 71)	153 (85; 68)	338 (177; 161)	222 (109; 113)	351 (103; 248)	1322 (500; 822)	1393 (803; 590)	2715 (1303;1412)
Items In Proc	Yes	33.5** (10.9)	13.6* (6.5)	29.8** (12.6)	33.0** (13.2)	17.2** (10.5)	20.2** (11.2)	14.6** (10.2)	30.1** (8.9)	54.8** (17.1)	33.6** (17.2)	25.9** (14.2)	28.8** (15.9)
	No	39.2 (14.9)	16.8 (8.1)	44.4 (22.0)	40.7 (16.2)	32.6 (18.6)	27.1 (10.1)	20.4 (12.8)	36.8 (10.8)	71.5 (21.2)	48.3 (25.5)	30.0 (15.7)	40.6 (23.7)
Anim. In Proc	Yes	7.3** (3.1)	2.8* (1.6)	7.0** (3.4)	6.6** (3.3)	3.9** (2.7)	4.4** (3.0)	3.2** (2.8)	6.4** (2.6)	12.1** (4.5)	7.4** (4.3)	5.5** (3.4)	6.2** (3.9)
	No	8.9 (4.4)	3.5 (2.1)	10.7 (5.4)	8.7 (4.1)	7.4 (4.4)	5.7 (2.6)	5.1 (3.7)	8.2 (2.9)	16.2 (5.3)	11.1 (6.2)	6.6 (3.8)	9.2 (5.8)
Dairy In Proc	Yes	2.0** (1.2)	0.8** (0.5)	1.4** (1.1)	1.6** (1.1)	0.8** (0.8)	0.8* (0.7)	0.6** (0.7)	1.3** (0.8)	3.0** (1.6)	1.8** (1.4)	1.3** (1.0)	1.5** (1.2)
	No	2.7 (1.5)	1.0 (0.5)	2.7 (1.8)	2.7 (1.6)	1.7 (1.4)	1.1 (0.9)	1.2 (1.3)	1.7 (1.0)	4.5 (2.2)	3.1 (2.1)	1.6 (1.3)	2.5 (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 8.126 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 7): Do you ever cut the size of your children's meals or do they ever skip meals because there is not enough 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)]		341 (260; 81)	180 (63; 117)	149 (75; 74)	303 (164; 139)	142 (79; 63)	64 (39; 25)	326 (167; 159)	110 (59; 51)	66 (26; 40)	562 (278; 284)	1119 (654; 465)	1681 (932; 749)
Items In Inv.	Yes	8.7** (6.3)	3.1** (2.0)	7.1** (5.0)	7.5** (5.3)	6.5** (5.1)	6.7** (4.1)	6.2** (4.4)	5.4** (4.3)	12.9* (6.2)	8.2** (6.6)	6.7** (4.8)	7.2** (5.5)
	No	12.7 (7.4)	5.7 (6.1)	10.3 (8.4)	12.5 (8.1)	12.7 (11.0)	9.6 (3.6)	10.8 (7.9)	8.5 (5.9)	19.3 (15.7)	12.6 (11.1)	9.9 (7.0)	10.9 (8.9)
Anim. In Inv.	Yes	0.6** (1.0)	0.4** (0.6)	0.9* (1.2)	0.7** (1.2)	1.2** (1.7)	0.6 (0.9)	0.9** (1.4)	0.5* (0.9)	1.4 (1.4)	0.9** (1.4)	0.6** (1.1)	0.7** (1.2)
	No	1.3 (1.7)	0.9 (1.8)	1.8 (2.5)	1.8 (2.0)	2.8 (3.1)	1.0 (1.2)	2.2 (2.4)	1.1 (1.7)	2.9 (3.8)	2.3 (3.0)	1.4 (1.8)	1.7 (2.4)
Dairy In Inv.	Yes	0.3** (0.6)	0.2** (0.4)	0.3** (0.6)	0.3** (0.6)	0.4* (0.6)	0.2 (0.4)	0.3** (0.5)	0.2 (0.4)	0.5 (0.6)	0.3** (0.5)	0.3** (0.5)	0.3** (0.5)
	No	0.6 (0.8)	0.4 (0.5)	0.7 (1.0)	0.8 (0.9)	0.7 (0.9)	0.4 (0.6)	0.7 (1.0)	0.4 (0.8)	1.0 (0.3)	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

Table 8.127 The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 7a): Do you ever cut the size of your children's meals or do they ever skip meals because there is not enough 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)]		351 (232; 119)	201 (68; 133)	380 (129; 251)	415 (171; 244)	113 (58; 55)	123 (67; 56)	245 (110; 135)	221 (104; 117)	258 (79; 179)	1144 (410; 734)	1163 (608; 555)	2307 (1018;1289)
H/A	Yes	-1.1 (1.4)	-1.7* (1.6)	-0.9 (1.4)	-0.9 (1.4)	-1.1 (1.9)	-1.2 (1.6)	-1.2 (1.2)	-1.2 (1.4)	-1.0** (1.1)	-1.0** (1.4)	-1.2 (1.5)	-1.1** (1.4)
	No	-0.8 (1.5)	-1.2 (1.3)	-0.9 (1.5)	-0.6 (1.5)	-0.9 (1.7)	-1.2 (1.9)	-1.0 (1.5)	-1.0 (1.3)	-0.4 (1.4)	-0.6 (1.5)	-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 (1.7)	-1.1 (1.2)	-1.2** (1.0)	-1.1 (1.0)	-0.8** (1.2)	-0.6** (1.2)	-0.8 (1.2)	-0.7** (1.2)
	No	-0.3 (1.2)	-0.8 (1.2)	-0.4 (1.3)	-0.2 (1.3)	-0.2 (1.1)	-1.0 (1.6)	-0.07 (1.1)	-1.0 (1.1)	-1.2 (1.3)	-0.3 (1.3)	-0.7 (1.2)	-0.5 (1.3)
W/H	Yes	0.4 (1.2)	0.1 (1.4)	0.1 (1.0)	0.0 (1.2)	0.6 (1.6)	-0.5 (1.3)	-0.5* (1.3)	-0.5 (0.9)	-0.2* (1.1)	0.0* (1.2)	0.0 (1.3)	0.0 (1.3)
	No	0.4 (1.2)	0.0 (1.2)	0.2 (1.3)	0.3 (1.4)	0.6 (1.3)	-0.3 (1.4)	-0.1 (1.3)	-0.5 (1.0)	0.1 (1.1)	0.2 (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 8.128 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 7a): Do you ever cut the size of your children's meals or do they ever skip meals because there is not enough 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)]		393 (257; 136)	207 (71; 136)	398 (139; 259)	499 (193; 306)	131 (69; 62)	142 (75; 67)	273 (120; 153)	225 (106; 119)	286 (85; 201)	1251 (447; 804)	1303 (668; 635)	2554 (1115;1439)
Energy (kJ)	Yes	5020 (2463)	2991** (1701)	3889** (1489)	5249** (2307)	4034* (1993)	3421 (1810)	4166 (1892)	4246* (1860)	4941** (1896)	4456** (2169)	4444** (2161)	4449** (2163)
	No	5177 (2142)	4407 (2124)	4405 (1782)	5688 (2108)	4931 (2461)	4342 (2587)	4171 (2003)	5157 (2754)	6361 (2310)	5324 (2351)	4775 (2186)	5081 (2295)
Zinc (mg)	Yes	3.9** (2.5)	2.9** (2.1)	3.9* (2.3)	4.7** (3.1)	4.0 (2.1)	3.4* (2.9)	4.3 (2.9)	4.0* (2.8)	5.2** (3.2)	4.4** (3.0)	4.0** (2.5)	4.1** (2.7)
	No	4.6 (2.8)	4.2 (2.6)	4.5 (2.5)	5.8 (3.0)	4.9 (2.9)	4.8 (4.0)	5.2 (3.9)	4.9 (3.0)	6.7 (3.7)	5.6 (3.3)	4.8 (3.1)	5.2 (3.2)
Vit.A (RE)	Yes	264** (671)	243** (566)	511** (1776)	328* (561)	276 (792)	235** (750)	496 (648)	331 (978)	510** (1094)	456** (1318)	285 (547)	354** (939)
	No	398 (742)	378 (972)	352 (812)	356 (1272)	699 (2709)	427 (1009)	382 (570)	261 (549)	599 (704)	493 (1066)	302 (1017)	408 (1049)
Iron (mg)	Yes	4.4* (3.0)	3.0** (2.5)	4.4** (4.6)	6.0 (4.2)	5.0 (3.3)	3.0** (2.1)	8.5 (6.6)	4.3** (3.4)	5.3** (3.5)	4.6** (4.0)	5.4* (4.4)	5.0** (4.3)
	No	5.1 (3.4)	4.4 (3.3)	5.4 (3.1)	6.3 (4.0)	5.5 (3.8)	4.6 (3.4)	8.0 (7.3)	5.6 (3.9)	7.5 (3.6)	6.3 (3.9)	5.6 (4.6)	6.0 (4.3)
Vit.C (mg)	Yes	19.9 (30.8)	14.5* (22.9)	20.8* (38.0)	35.9 (82.7)	15.2 (18.6)	24.7 (87.9)	14.5 (26.5)	35.6 (93.1)	41.1 (48.1)	27.5** (56.0)	23.3 (58.3)	25.0** (57.4)
	No	25.7 (48.2)	21.5 (40.8)	35.4 (66.8)	66.9 (335)	36.1 (83.9)	34.5 (90.1)	19.6 (39.9)	32.1 (78.8)	58.0 (74.1)	44.7 (95.9)	36.5 (224)	41.1 (165)
Ca⁺⁺ (mg)	Yes	295** (350)	218** (249)	237* (226)	302** (332)	210 (178)	158* (162)	262 (228)	220 (177)	322** (250)	256** (244)	265** (296)	261** (276)
	No	373 (372)	298 (229)	276 (211)	390 (341)	230 (207)	233 (190)	255 (294)	265 (210)	522 (361)	373 (309)	295 (295)	339 (305)

Ca⁺⁺ = Calcium; *Wilcoxon test for two samples; significant for P<0.05; **Wilcoxon test for two samples; significant for P<0.01

Table 8.129 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 7a): Do you ever cut the size of your children's meals or do they ever skip meals because there is not enough 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)]		396 (257; 139)	207 (71; 136)	343 (119; 224)	496 (192; 304)	130 (69; 61)	146 (75; 71)	275 (121; 154)	223 (105; 118)	286 (85; 201)	1209 (430; 779)	1293 (664; 629)	2502 (1094;1408)
Items In Proc	Yes	33.0** (10.9)	13.4** (6.6)	28.6** (11.8)	33.1** (13.2)	16.5** (10.6)	20.7** (10.0)	15.2 (10.8)	29.7** (8.9)	52.6** (16.0)	32.7** (16.6)	26.0** (13.6)	28.6** (15.2)
	No	38.3 (12.9)	16.8 (8.0)	40.4 (18.0)	38.7 (16.2)	27.9 (15.5)	25.3 (12.1)	17.4 (12.2)	37.2 (11.5)	69.8 (20.3)	45.0 (23.7)	28.6 (15.2)	37.7 (21.9)
Anim. In Proc	Yes	7.2** (3.2)	2.7** (1.6)	6.6** (3.1)	6.6** (3.3)	3.9** (2.8)	4.6 (2.7)	3.4 (3.0)	6.3** (2.5)	11.6** (4.5)	7.2** (4.2)	5.5** (3.3)	6.2** (3.8)
	No	8.6 (3.8)	3.5 (2.1)	9.8 (4.5)	8.2 (4.0)	6.3 (3.8)	5.3 (3.0)	4.3 (3.6)	8.3 (3.1)	16.0 (5.0)	10.4 (5.8)	6.2 (3.7)	8.5 (5.4)
Dairy In Proc	Yes	2.0** (1.2)	0.7** (0.5)	1.2** (1.0)	1.5** (1.1)	0.7** (0.9)	0.8 (0.6)	0.6** (0.8)	1.3** (0.8)	2.9** (1.6)	1.7** (1.4)	1.2** (1.0)	1.4** (1.2)
	No	2.6 (1.4)	1.0 (0.5)	2.4 (1.5)	2.5 (1.6)	1.4 (1.2)	1.0 (0.9)	1.0 (1.2)	1.7 (1.1)	4.4 (2.2)	2.8 (2.0)	1.6 (1.2)	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 8.130 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 7a): Do you ever cut the size of your children's meals or do they ever skip meals because there is not enough 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)]		334 (223; 111)	179 (61; 118)	149 (66; 83)	285 (133; 152)	120 (67; 53)	64 (32; 32)	264 (114; 150)	111 (57; 54)	51 (21; 30)	533 (239; 294)	1024 (535; 489)	1457 (774; 783)
Items In Inv.	Yes	8.1** (6.0)	2.9** (1.9)	6.8** (4.4)	7.2** (5.1)	6.6** (5.3)	7.3 (4.2)	6.0** (4.5)	5.4** (4.4)	12.5 (6.6)	8.0** (6.4)	6.4** (4.7)	6.9** (5.3)
	No	12.6 (7.4)	5.8 (6.1)	9.4 (5.7)	12.0 (8.0)	11.1 (7.4)	8.3 (4.1)	9.3 (7.2)	8.4 (5.8)	19.5 (17.0)	11.6 (9.8)	9.3 (6.6)	10.2 (8.0)
Anim. In Inv.	Yes	0.5** (0.9)	0.4** (0.5)	0.8* (1.2)	0.6** (1.1)	1.2** (1.7)	0.6 (0.8)	0.8** (1.5)	0.5* (0.9)	1.3 (1.4)	0.9** (1.3)	0.6** (1.1)	0.7** (1.2)
	No	1.3 (1.7)	0.9 (1.8)	1.5 (1.6)	1.6 (2.0)	2.5 (2.2)	0.8 (1.1)	1.9 (2.3)	1.0 (1.6)	2.9 (4.1)	2.0 (2.6)	1.2 (1.7)	1.5 (2.1)
Dairy In Inv.	Yes	0.3** (0.5)	0.2** (0.4)	0.3* (0.6)	0.3** (0.5)	0.3* (0.6)	0.3 (0.4)	0.3** (0.5)	0.2 (0.4)	0.4 (0.6)	0.3** (0.5)	0.3** (0.5)	0.3** (0.5)
	No	0.6 (0.8)	0.4 (0.6)	0.5 (0.8)	0.7 (0.8)	0.6 (0.7)	0.3 (0.5)	0.6 (0.9)	0.4 (0.7)	1.1 (1.8)	0.7 (1.1)	0.5 (0.7)	0.6 (0.8)

*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 8.131 The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 7b): Do you ever cut the size of your children's meals or do they ever skip meals because there is not enough 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)]		353 (210; 143)	202 (69; 133)	374 (122; 252)	415 (135; 280)	118 (59; 59)	125 (58; 67)	253 (123; 130)	221 (104; 117)	259 (59; 200)	1146 (358; 788)	1174 (581; 593)	2320 (939; 1381)
H/A	Yes	-1.1 (1.4)	-1.7* (1.6)	-0.9 (1.4)	-0.9 (1.5)	-1.3 (1.9)	-1.6* (1.5)	-1.1 (1.2)	-1.2 (1.3)	-1.0** (1.1)	-1.1** (1.4)	-1.2 (1.5)	-1.1** (1.5)
	No	-0.8 (1.5)	-1.2 (1.3)	-0.8 (1.5)	-0.7 (1.5)	-0.9 (1.6)	-0.9 (1.9)	-1.0 (1.5)	-1.0 (1.3)	-0.5 (1.4)	-0.6 (1.5)	-1.1 (1.5)	-0.8 (1.5)
W/A	Yes	-0.4 (1.2)	-1.0 (1.2)	-0.5 (1.1)	-0.5* (1.0)	-0.2 (1.7)	-1.4 (1.1)	-1.1* (1.0)	-1.1 (1.0)	-0.9** (1.1)	-0.7** (1.3)	-0.8 (1.1)	-0.7** (1.2)
	No	-0.3 (1.2)	-0.8 (1.2)	-0.4 (1.3)	-0.3 (1.2)	-0.3 (1.1)	-0.8 (1.5)	-0.8 (1.2)	-1.0 (1.1)	-0.2 (1.3)	-0.3 (1.3)	-0.7 (1.2)	-0.5 (1.3)
W/H	Yes	0.4 (1.2)	0.1 (1.4)	0.1 (1.1)	0.0 (1.2)	0.8 (1.6)	-0.5 (1.4)	-0.5 (1.3)	-0.5 (0.9)	-0.2* (0.9)	0.1 (1.3)	0.0 (1.3)	0.0 (1.3)
	No	0.3 (1.2)	0.0 (1.2)	0.2 (1.3)	0.2 (1.3)	0.5 (1.2)	-0.3 (1.4)	-0.2 (1.3)	-0.5 (1.0)	0.1 (1.2)	0.2 (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 8.132 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 7b): Do you ever cut the size of your children's meals or do they ever skip meals because there is not enough 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)]		397 (235; 162)	208 (72; 136)	392 (131; 261)	499 (151; 348)	135 (69; 66)	144 (66; 78)	282 (137; 145)	225 (106; 119)	287 (63; 224)	1253 (388; 865)	1316 (642; 674)	2569 (1030;1539)
Energy (kJ)	Yes	5040 (2524)	2967** (1704)	3902* (1430)	5183* (2261)	3982* (1996)	3485 (1848)	4055 (1819)	4149* (1632)	4874** (1953)	4359** (2117)	4373** (2137)	4368** (2128)
	No	5214 (2163)	4426 (2106)	4382 (1800)	5663 (2153)	4922 (2404)	4027 (2299)	4342 (2048)	5243 (2850)	6239 (2355)	5283 (2356)	4869 (2215)	5102 (2304)
Zinc (mg)	Yes	4.0* (2.5)	2.9** (2.1)	4.0* (2.2)	4.8** (3.3)	4.0 (2.3)	3.6 (2.8)	4.3* (2.7)	4.0** (2.7)	5.2** (3.3)	4.3** (3.0)	4.0** (2.5)	4.1** (2.7)
	No	4.5 (2.7)	4.2 (2.6)	4.5 (2.5)	5.6 (2.9)	4.9 (2.7)	4.4 (3.7)	5.5 (4.0)	5.0 (3.1)	6.5 (3.6)	5.5 (3.2)	4.8 (3.0)	5.2 (3.2)
Vit.A (RE)	Yes	219** (415)	233** (559)	515** (1822)	332 (604)	438 (1496)	371 (1078)	481 (608)	229* (697)	560** (1254)	446** (1329)	301 (689)	356** (982)
	No	445 (953)	383 (973)	316 (618)	351 (1199)	489 (2302)	343 (889)	403 (589)	352 (843)	575 (679)	487 (1054)	290 (905)	401 (996)
Iron (mg)	Yes	4.5 (3.1)	2.9** (2.5)	4.4** (4.5)	5.8* (4.1)	4.9 (3.4)	3.2* (2.4)	8.4 (6.3)	4.2** (2.9)	5.2** (3.1)	4.5** (3.9)	5.4* (4.4)	5.0** (4.2)
	No	4.9 (3.3)	4.4 (3.2)	5.3 (3.1)	6.4 (4.0)	5.4 (3.6)	4.1 (3.0)	8.3 (7.5)	5.7 (4.2)	7.3 (3.8)	6.2 (4.0)	5.7 (4.6)	6.0 (4.3)
Vit.C (mg)	Yes	19.0** (30.7)	14.3* (22.9)	22.6 (39.5)	28.7 (36.9)	13.3 (16.5)	29.5 (94.0)	15.2 (37.7)	40.7 (115)	43.7 (51.2)	27.2** (54.8)	22.2** (54.9)	24.1** (54.9)
	No	26.8 (45.9)	21.6 (40.8)	34.4 (66.6)	66.3 (319)	36.1 (81.6)	28.6 (82.6)	19.0 (30.6)	27.5 (45.2)	56.3 (72.0)	43.7 (94.0)	36.9 (219)	40.7 (161)
Ca⁺⁺ (mg)	Yes	300** (360)	217** (248)	238* (221)	303** (343)	215 (181)	183 (179)	263 (217)	215* (189)	286** (230)	244** (228)	268** (300)	259** (275)
	No	369 (360)	299 (228)	272 (211)	379 (336)	233 (204)	202 (171)	265 (303)	270 (199)	506 (354)	368 (309)	296 (292)	337 (303)

Ca⁺⁺ = Calcium; *Wilcoxon test for two samples; significant for P<0.05; **Wilcoxon test for two samples; significant for P<0.01

Table 8.133 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 7b): Do you ever cut the size of your children's meals or do they ever skip meals because there is not enough 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)]		400 (235; 165)	208 (72; 136)	339 (112; 227)	496 (151; 345)	134 (68; 66)	148 (66; 82)	284 (138; 146)	223 (104; 119)	287 (63; 224)	1213 (373; 840)	1306 (636; 670)	2519 (1009;1510)
Items In Proc	Yes	32.3** (10.6)	13.2** (6.4)	28.5** (11.7)	33.0** (12.7)	15.9** (9.0)	19.6** (10.8)	15.1* (10.4)	30.1** (8.7)	51.2** (16.0)	30.9** (15.9)	25.2** (13.4)	27.3** (14.6)
	No	38.8 (12.3)	16.9 (8.1)	40.0 (18.1)	38.1 (16.1)	28.2 (15.7)	25.6 (11.0)	18.1 (12.1)	36.8 (11.8)	68.5 (20.2)	44.6 (23.4)	29.5 (15.2)	37.9 (21.5)
Anim. In Proc	Yes	7.0** (3.1)	2.7** (1.6)	6.5** (3.1)	6.7** (3.2)	3.6** (2.3)	4.4* (2.9)	3.2** (2.8)	6.4** (2.5)	11.1** (4.6)	6.9** (4.0)	5.3** (3.3)	5.9** (3.6)
	No	8.6 (3.7)	3.5 (2.1)	10.0 (4.6)	8.0 (4.1)	6.6 (3.8)	5.4 (2.8)	4.6 (3.6)	8.2 (3.2)	15.7 (5.0)	10.2 (5.8)	6.4 (3.6)	8.5 (5.3)
Dairy In Proc	Yes	1.9** (1.2)	0.7** (0.5)	1.3** (1.0)	1.6** (1.1)	0.7** (0.8)	0.8 (0.7)	0.7** (0.8)	1.3** (0.8)	2.7** (1.6)	1.6** (1.3)	1.2** (1.0)	1.4** (1.1)
	No	2.6 (1.3)	1.0 (0.5)	2.3 (1.5)	2.4 (1.6)	1.3 (1.2)	1.0 (0.9)	1.0 (1.2)	1.7 (1.1)	4.3 (2.1)	2.8 (2.0)	1.6 (1.2)	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 8.134 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 7b): Do you ever cut the size of your children's meals or do they ever skip meals because there is not enough 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)]		337 (205; 132)	180 (61; 119)	150 (62; 88)	285 (105; 180)	125 (65; 60)	63 (29; 34)	273 (129; 144)	111 (53; 58)	50 (16; 34)	539 (212; 327)	1035 (513; 522)	1574 (725; 849)
Items In Inv.	Yes	7.9** (5.8)	3.0** (1.9)	6.5** (4.2)	7.0** (5.1)	6.3** (4.4)	5.8** (3.4)	6.2** (4.2)	5.0** (3.6)	11.4* (5.5)	7.5** (6.0)	6.2** (4.4)	6.6** (4.9)
	No	12.2 (7.2)	5.7 (6.1)	9.5 (5.7)	11.3 (7.7)	10.6 (7.7)	9.2 (3.6)	9.6 (7.3)	8.4 (6.1)	19.4 (16.2)	11.5 (10.0)	9.3 (6.6)	10.2 (7.9)
Anim. In Inv.	Yes	0.5** (0.9)	0.4* (0.6)	0.9* (1.2)	0.6** (1.1)	1.0** (1.4)	0.4* (0.6)	0.8** (1.4)	0.4** (0.8)	0.9* (1.0)	0.9** (1.3)	0.5** (0.9)	0.6** (1.1)
	No	1.1 (1.6)	0.9 (1.8)	1.4 (1.6)	1.4 (1.9)	2.4 (2.3)	0.9 (1.1)	2.0 (2.3)	1.1 (1.6)	2.9 (3.9)	1.9 (2.5)	1.2 (1.7)	1.5 (2.1)
Dairy In Inv.	Yes	0.3** (0.5)	0.2* (0.5)	0.3* (0.6)	0.3** (0.6)	0.3* (0.5)	0.2 (0.4)	0.3** (0.5)	0.2 (0.4)	0.4 (0.6)	0.3** (0.5)	0.3** (0.5)	0.3** (0.5)
	No	0.5 (0.8)	0.4 (0.5)	0.5 (0.8)	0.6 (0.8)	0.5 (0.7)	0.4 (0.5)	0.6 (0.9)	0.4 (0.7)	1.0 (1.7)	0.7 (1.0)	0.5 (0.7)	0.5 (0.8)

*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 8.135 The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 8): Do any of your children ever go to bed hungry because there is not enough 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)]		362 (103; 259)	202 (59; 143)	392 (102; 290)	444 (122; 322)	132 (50; 82)	130 (60; 70)	297 (92; 205)	218 (108; 110)	318 (52; 266)	1247 (286; 961)	1248 (462; 786)	2495 (748; 1747)
H/A	Yes	-1.0 (1.4)	-1.8** (1.6)	-1.0* (1.3)	-0.8 (1.5)	-1.2 (1.8)	-1.3 (1.7)	-1.2 (1.3)	-1.2 (1.2)	-1.1** (1.2)	-1.2** (1.4)	-1.1 (1.4)	-1.1** (1.4)
	No	-0.9 (1.5)	-1.2 (1.3)	-0.7 (1.6)	-0.7 (1.5)	-0.8 (1.7)	-1.2 (1.9)	-1.0 (1.5)	-1.1 (1.4)	-0.5 (1.3)	-0.6 (1.5)	-1.1 (1.5)	-0.8 (1.5)
W/A	Yes	-0.5 (1.2)	-1.0 (1.2)	-0.6* (1.1)	-0.6* (1.1)	-0.3 (1.4)	-1.2 (1.2)	-1.0 (1.0)	-1.2 (1.0)	-0.8** (1.3)	-0.8** (1.2)	-0.8 (1.2)	-0.8** (1.2)
	No	-0.3 (1.2)	-0.8 (1.2)	-0.3 (1.3)	-0.3 (1.2)	-0.2 (1.4)	-0.9 (1.5)	-0.9 (1.1)	-1.0 (1.1)	-0.3 (1.3)	-0.2 (1.3)	-0.7 (1.2)	-0.5 (1.3)
W/H	Yes	0.2 (1.1)	0.2 (1.4)	0.1 (1.1)	-0.1* (1.2)	0.6 (1.2)	-0.6 (1.3)	-0.3 (1.2)	-0.5 (0.9)	-0.1 (1.3)	0.0* (1.2)	-0.1 (1.2)	-0.1** (1.2)
	No	0.4 (1.2)	-0.1 (1.2)	0.3 (1.3)	0.2 (1.3)	0.5 (1.6)	-0.2 (1.4)	-0.4 (1.3)	-0.5 (0.9)	0.1 (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 8.136 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 8): Do any of your children ever go to bed hungry because there is not enough 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)]		407 (119; 288)	208 (62; 146)	410 (109; 301)	530 (142; 388)	152 (62; 90)	150 (67; 83)	332 (106; 226)	223 (110; 113)	351 (55; 296)	1364 (315;1049)	1399 (517; 882)	2763 (832; 1931)
Energy (kJ)	Yes	5044 (2905)	2986** (1839)	3848** (1681)	5423 (2395)	4266 (2368)	3260** (1762)	3961* (1848)	4277* (1869)	4950** (2197)	4416** (2352)	4312** (2246)	4351** (2286)
	No	5122 (2113)	4318 (2071)	4449 (1733)	5525 (2085)	4659 (2051)	4398 (2436)	4478 (2178)	5078 (2761)	6224 (2271)	5305 (2280)	4803 (2139)	5076 (2230)
Zinc (mg)	Yes	3.8 (2.4)	2.8** (2.1)	4.0** (2.5)	5.0** (3.1)	4.3 (2.6)	3.5* (3.0)	4.6 (3.2)	4.1 (2.8)	5.0** (3.1)	4.5** (3.2)	4.0** (2.6)	4.2** (2.9)
	No	4.4 (2.7)	4.1 (2.6)	4.6 (2.5)	5.5 (3.0)	4.6 (2.4)	4.6 (3.7)	5.3 (4.1)	4.8 (3.0)	6.7 (3.7)	5.5 (3.3)	4.7 (3.1)	5.1 (3.2)
Vit.A (RE)	Yes	182** (234)	163** (272)	514** (1958)	318 (526)	792 (2800)	165** (452)	582** (718)	307 (841)	323** (347)	476** (1668)	303 (689)	368** (1163)
	No	379 (849)	402 (996)	401 (823)	348 (1155)	214 (304)	464 (1082)	415 (847)	310 (790)	683 (1079)	523 (1030)	299 (853)	421 (960)
Iron (mg)	Yes	4.2** (3.0)	2.9** (2.4)	4.7** (4.9)	6.3 (4.4)	5.4 (3.9)	3.2* (2.7)	9.6* (7.5)	4.4* (3.4)	5.2** (3.9)	5.0** (4.5)	5.5** (5.0)	5.3** (4.8)
	No	4.9 (3.2)	4.3 (3.2)	5.3 (3.1)	6.2 (4.0)	5.3 (3.3)	4.2 (3.0)	7.7 (6.7)	5.4 (3.6)	7.3 (3.5)	6.1 (3.8)	5.6 (4.5)	5.9 (4.1)
Vit.C (mg)	Yes	15.5* (20.7)	15.8 (24.9)	20.1* (30.7)	42.4 (107)	27.6 (77.3)	14.9* (27.8)	18.2 (42.7)	34.0 (90.8)	42.2 (50.9)	29.5** (65.7)	24.1 (65.1)	26.1** (65.3)
	No	26.4 (45.5)	20.5 (39.4)	37.8 (69.1)	56.3 (296)	25.3 (55.4)	39.5 (113)	18.4 (32.6)	34.3 (81.7)	55.1 (68.9)	43.3 (88.1)	32.1 (191)	38.2 (145)
Ca⁺⁺ (mg)	Yes	326 (408)	221** (260)	221** (208)	320** (350)	196 (157)	155** (158)	290 (254)	215* (178)	307** (238)	254** (250)	263** (296)	260** (279)
	No	331 (340)	291 (225)	296 (239)	376 (332)	245 (222)	230 (186)	255 (260)	268 (211)	497 (347)	371 (305)	295 (293)	336 (302)

Ca⁺⁺ = Calcium; *Wilcoxon test for two samples; significant for P<0.05; **Wilcoxon test for two samples; significant for P<0.01

Table 8.137 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 8): Do any of your children ever go to bed hungry because there is not enough 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)]		410 (119; 291)	208 (62; 146)	354 (92; 262)	527 (141; 386)	152 (61; 91)	154 (68; 86)	336 (108; 228)	221 (108; 113)	351 (55; 296)	1323 (300; 1023)	1390 (514; 876)	2713 (814; 1899)
Items In Proc	Yes	32.4** (11.8)	13.1** (6.5)	30.2** (11.0)	30.9** (12.8)	15.4** (7.8)	18.6** (10.1)	13.2** (9.8)	29.8** (8.8)	49.8** (12.7)	30.3** (15.8)	23.9** (13.2)	26.3** (14.5)
	No	36.2 (12.3)	16.7 (8.0)	42.0 (21.9)	39.5 (15.6)	30.4 (18.4)	27.0 (10.7)	19.4 (12.3)	36.9 (10.7)	69.7 (21.3)	46.4 (24.5)	29.8 (15.5)	38.7 (22.4)
Anim. In Proc	Yes	6.9** (3.4)	2.7* (1.7)	7.1** (2.9)	6.1** (3.1)	3.5** (2.2)	4.1** (2.6)	3.1** (2.8)	6.4** (2.5)	10.8** (3.3)	6.6** (3.8)	5.1** (3.3)	5.7** (3.5)
	No	8.1 (3.6)	3.5 (2.1)	10.1 (5.5)	8.4 (3.9)	7.0 (4.3)	5.7 (2.9)	4.6 (3.6)	8.2 (2.9)	15.8 (5.3)	10.6 (6.0)	6.4 (3.7)	8.7 (5.5)
Dairy In Proc	Yes	1.8** (1.3)	0.7** (0.5)	1.4** (1.0)	1.4** (1.0)	0.8** (0.6)	0.7** (0.7)	0.6** (0.7)	1.4* (0.8)	2.5** (1.5)	1.5** (1.3)	1.1** (0.9)	1.3** (1.1)
	No	2.4 (1.3)	1.0 (0.5)	2.5 (1.8)	2.5 (1.5)	1.5 (1.4)	1.1 (0.9)	1.1 (1.2)	1.6 (1.0)	4.3 (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 8.138 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 8): Do any of your children ever go to bed hungry because there is not enough 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)]		343 (100; 243)	180 (55; 125)	149 (43; 106)	303 (101; 202)	140 (58; 82)	64 (33; 31)	324 (103; 221)	110 (62; 48)	66 (15; 51)	563 (164; 399)	1116 (406; 710)	1679 (570; 1109)
Items In Inv.	Yes	7.2** (6.2)	2.8** (1.9)	6.9 (3.8)	6.8** (4.9)	5.6** (3.9)	6.9* (4.2)	5.8** (4.0)	5.6* (3.8)	12.7 (6.6)	7.0** (5.9)	5.9** (4.2)	6.2** (4.8)
	No	10.8 (6.8)	5.6 (5.9)	9.4 (7.9)	11.3 (7.7)	12.0 (10.3)	8.8 (3.9)	9.6 (7.4)	8.4 (6.5)	17.9 (14.4)	11.9 (10.2)	9.2 (6.6)	10.2 (8.2)
Anim. In Inv.	Yes	0.5** (1.0)	0.4 (0.6)	0.8 (0.9)	0.5** (1.0)	0.8** (1.3)	0.6 (0.9)	0.8** (1.3)	0.5 (0.8)	1.3 (1.4)	0.8** (1.2)	0.6** (1.0)	0.6** (1.0)
	No	0.9 (1.3)	0.9 (1.8)	1.5 (2.3)	1.5 (1.9)	2.7 (2.9)	0.8 (1.1)	1.8 (2.3)	1.1 (1.8)	2.6 (3.5)	2.0 (2.7)	1.2 (1.7)	1.5 (2.1)
Dairy In Inv.	Yes	0.2** (0.5)	0.2 (0.4)	0.2* (0.5)	0.3** (0.5)	0.3** (0.5)	0.2 (0.4)	0.3** (0.5)	0.2 (0.4)	0.3 (0.5)	0.3** (0.5)	0.2** (0.5)	0.3** (0.5)
	No	0.4 (0.7)	0.4 (0.6)	0.6 (0.9)	0.6 (0.8)	0.7 (0.9)	0.4 (0.6)	0.6 (0.9)	0.4 (0.8)	0.9 (1.5)	0.7 (1.1)	0.5 (0.7)	0.5 (0.8)

*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 8.139 The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 8a): Do any of your children ever go to bed hungry because there is not enough 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)]		352 (97; 255)	201 (56; 145)	377 (95; 282)	406 (104; 302)	114 (49; 65)	124 (50; 74)	240 (67; 173)	221 (106; 115)	248 (48; 200)	1135 (259; 876)	1148 (413; 735)	2283 (672; 1611)
H/A	Yes	-1.0 (1.4)	-1.7* (1.6)	-1.0 (1.3)	-0.9 (1.4)	-1.2 (1.9)	-1.3 (1.7)	-1.2 (1.4)	-1.2 (1.1)	-1.2** (1.2)	-1.2** (1.4)	-1.1 (1.4)	-1.2** (1.4)
	No	-1.0 (1.5)	-1.2 (1.3)	-0.9 (1.5)	-0.7 (1.5)	-0.9 (1.8)	-1.1 (1.8)	-1.0 (1.4)	-1.0 (1.5)	-0.4 (1.3)	-0.7 (1.5)	-1.1 (1.5)	-0.9 (1.5)
W/A	Yes	-0.5 (1.2)	-0.9 (1.2)	-0.6 (1.1)	-0.6* (1.1)	-0.3 (1.6)	-1.2 (1.2)	-1.1 (0.9)	-1.1 (1.0)	-0.9** (1.4)	-0.8** (1.2)	-0.8 (1.2)	-0.8** (1.2)
	No	-0.3 (1.2)	-0.8 (1.2)	-0.4 (1.3)	-0.3 (1.2)	-0.1 (1.3)	-0.9 (1.5)	-0.9 (1.2)	-1.0 (1.2)	-0.2 (1.3)	-0.3 (1.3)	-0.7 (1.2)	-0.5 (1.3)
W/H	Yes	0.2 (1.1)	0.2 (1.5)	0.1 (1.1)	0.0* (1.1)	0.6 (1.4)	-0.5 (1.3)	-0.4 (1.2)	-0.5 (0.9)	-0.1 (1.3)	0.0** (1.2)	-0.1 (1.2)	-0.1** (1.2)
	No	0.4 (1.2)	-0.1 (1.2)	0.2 (1.3)	0.3 (1.3)	0.7 (1.5)	-0.3 (1.4)	-0.3 (1.3)	-0.4 (1.0)	0.1 (1.1)	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 8.140 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 8a): Do any of your children ever go to bed hungry because there is not enough 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)]		392 (107; 285)	207 (59; 148)	395 (102; 293)	491 (116; 375)	131 (60; 71)	143 (56; 87)	268 (77; 191)	225 (108; 117)	275 (50; 225)	1242 (281; 961)	1285 (454; 831)	2527 (735; 1792)
Energy (kJ)	Yes	5056 (2910)	2968** (1857)	3760** (1509)	5105** (2236)	4329 (2114)	3223* (1789)	3973 (1845)	4147** (1729)	4821** (2088)	4253** (2210)	4255** (2166)	4254** (2182)
	No	5049 (2097)	4301 (2070)	4392 (1742)	5663 (2180)	4620 (2379)	4256 (2416)	4280 (2008)	5263 (2809)	6184 (2342)	5225 (2318)	4799 (2178)	5027 (2264)
Zinc (mg)	Yes	3.8 (2.4)	2.8** (2.1)	3.8** (2.5)	4.5** (2.6)	4.4 (2.6)	3.3* (3.0)	4.5 (3.2)	4.0** (2.8)	4.9** (3.1)	4.3** (3.1)	3.9** (2.5)	4.0** (2.7)
	No	4.3 (2.6)	4.1 (2.6)	4.5 (2.5)	5.7 (3.1)	4.5 (2.5)	4.5 (3.7)	5.0 (3.6)	5.0 (3.0)	6.6 (3.7)	5.4 (3.3)	4.6 (3.0)	5.0 (3.2)
Vit.A (RE)	Yes	188** (245)	160** (270)	561* (2024)	312* (538)	798 (2846)	185** (491)	624** (761)	277 (795)	350** (391)	496** (1753)	303 (717)	377** (1223)
	No	354 (802)	400 (991)	356 (807)	359 (1179)	198 (310)	417 (1051)	345 (503)	310 (767)	630 (916)	474 (929)	286 (862)	387 (903)
Iron (mg)	Yes	4.2* (3.0)	2.8** (2.3)	4.5** (5.0)	6.1 (4.4)	5.5 (3.8)	3.1* (2.7)	9.7* (7.7)	4.1** (2.8)	5.0** (4.0)	4.6** (4.3)	5.4** (4.8)	5.1** (4.7)
	No	4.8 (3.2)	4.3 (3.2)	5.3 (3.1)	6.3 (4.0)	4.9 (3.3)	4.1 (3.0)	7.5 (6.4)	5.8 (4.2)	7.2 (3.6)	6.0 (3.9)	5.5 (4.2)	5.8 (4.1)
Vit.C (mg)	Yes	14.6** (20.7)	15.7 (25.3)	19.0 (25.9)	35.1 (93.5)	28.8 (73.3)	16.8 (29.7)	15.1 (27.0)	35.0 (92.1)	42.9 (53.0)	25.1** (48.5)	24.7 (67.0)	24.8** (60.6)
	No	24.4 (41.6)	20.5 (39.2)	34.1 (66.1)	61.8 (304)	21.4 (46.1)	37.4 (110)	18.4 (37.7)	32.6 (80.0)	56.5 (72.0)	42.5 (92.0)	32.7 (197)	37.9 (150)
Ca⁺⁺ (mg)	Yes	320* (417)	226** (264)	221** (217)	311** (368)	203 (165)	153 (141)	303* (264)	213** (178)	326** (263)	250** (258)	263** (302)	258** (286)
	No	322 (332)	288 (226)	276 (216)	374 (331)	232 (211)	220 (195)	235 (259)	273 (208)	498 (356)	354 (298)	289 (292)	324 (297)

Ca⁺⁺ = Calcium; *Wilcoxon test for two samples; significant for P<0.05; **Wilcoxon test for two samples; significant for P<0.01

Table 8.141 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 8a): Do any of your children ever go to bed hungry because there is not enough 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)]		395 (107; 288)	207 (59; 148)	341 (88; 253)	489 (115; 374)	130 (59; 71)	147 (57; 90)	270 (78; 192)	223 (106; 117)	275 (50; 225)	1202 (269; 933)	1275 (450; 825)	2477 (719; 1758)
Items In Proc	Yes	31.8** (12.2)	13.6* (6.5)	29.0** (11.3)	29.7** (12.9)	14.9** (7.5)	19.1** (9.9)	13.5** (10.6)	30.0** (9.1)	49.9** (13.1)	29.9** (16.2)	24.1** (12.9)	26.3** (14.5)
	No	36.1 (11.4)	16.5 (8.1)	39.0 (18.0)	38.5 (15.4)	27.6 (15.7)	25.5 (11.4)	17.6 (11.7)	36.9 (11.6)	68.1 (20.6)	43.5 (22.7)	28.9 (14.9)	36.6 (20.7)
Anim. In Proc	Yes	6.7** (3.5)	2.8 (1.7)	6.7** (3.0)	5.8** (3.2)	3.4** (2.1)	4.4* (2.6)	3.2* (3.0)	6.4** (2.6)	11.0** (3.8)	6.6** (4.0)	5.1** (3.2)	5.7** (3.6)
	No	8.1 (3.4)	3.4 (2.1)	9.4 (4.6)	8.1 (3.9)	6.4 (3.8)	5.3 (3.0)	4.2 (3.4)	8.2 (3.1)	15.6 (5.1)	10.0 (5.6)	6.2 (3.6)	8.2 (5.1)
Dairy In Proc	Yes	1.8** (1.3)	0.7** (0.4)	1.3** (1.0)	1.3** (1.0)	0.7** (0.6)	0.7 (0.7)	0.6** (0.7)	1.3* (0.8)	2.7** (1.7)	1.5** (1.4)	1.1** (0.9)	1.3** (1.1)
	No	2.3 (1.2)	1.0 (0.5)	2.2 (1.5)	2.4 (1.5)	1.3 (1.2)	1.0 (0.9)	1.0 (1.1)	1.7 (1.1)	4.3 (2.2)	2.7 (1.9)	1.6 (1.2)	2.2 (1.7)

*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 8.142 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 8a): Do any of your children ever go to bed hungry because there is not enough 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)]		334 (89; 245)	279 (51; 128)	148 (43; 105)	282 (84; 198)	121 (56; 65)	64 (23; 41)	258 (73; 185)	111 (58; 53)	47 (13; 34)	535 (141; 394)	1009 (349; 660)	1544 (490; 1054)
Items In Inv.	Yes	6.7** (6.2)	2.9** (1.9)	6.8 (3.9)	6.3** (4.3)	5.8** (3.9)	6.7 (3.6)	5.5** (3.7)	5.6* (4.0)	12.5 (7.0)	6.5** (5.6)	5.8** (4.2)	6.0** (4.6)
	No	10.8 (6.8)	5.5 (5.9)	8.7 (5.6)	11.2 (7.7)	10.6 (7.7)	8.4 (4.3)	9.0 (7.0)	8.1 (6.3)	18.8 (16.3)	11.2 (9.2)	8.9 (6.4)	9.7 (7.6)
Anim. In Inv.	Yes	0.5** (1.0)	0.4 (0.6)	0.8 (1.0)	0.5** (0.8)	0.9** (1.5)	0.5 (0.7)	0.8** (1.3)	0.4 (0.8)	1.3 (1.4)	0.7** (1.1)	0.6** (1.0)	0.6** (1.1)
	No	0.9 (1.3)	0.9 (1.8)	1.3 (1.5)	1.4 (1.9)	2.3 (2.2)	0.9 (1.1)	1.7 (2.2)	1.0 (1.7)	2.7 (3.9)	1.8 (2.4)	1.1 (1.6)	1.3 (1.9)
Dairy In Inv.	Yes	0.2** (0.5)	0.3 (0.4)	0.2* (0.5)	0.3** (0.5)	0.3* (0.5)	0.2 (0.4)	0.2** (0.5)	0.2 (0.4)	0.3 (0.5)	0.3** (0.5)	0.2** (0.5)	0.2** (0.5)
	No	0.4 (0.7)	0.4 (0.5)	0.5 (0.7)	0.6 (0.8)	0.6 (0.7)	0.3 (0.5)	0.5 (0.9)	0.4 (0.7)	1.1 (1.7)	0.6 (1.0)	0.4 (0.6)	0.5 (0.8)

*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 8.143 The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 8b): Do any of your children ever go to bed hungry because there is not enough 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)]		356 (92; 264)	202 (58; 144)	371 (85; 286)	405 (74; 331)	116 (47; 69)	125 (52; 73)	236 (67; 169)	220 (102; 118)	253 (38; 215)	1138 (243; 895)	1146 (372; 774)	2284 (615; 1669)
H/A	Yes	-1.0 (1.3)	-1.7* (1.6)	-1.0 (1.3)	-0.8 (1.4)	-1.3 (1.9)	-1.4 (1.6)	-1.2 (1.4)	-1.3 (1.1)	-1.1** (1.2)	-1.2** (1.5)	-1.2 (1.4)	-1.2** (1.4)
	No	-0.9 (1.5)	-1.2 (1.3)	-0.8 (1.5)	-0.7 (1.6)	-0.9 (1.7)	-1.1 (1.8)	-1.0 (1.4)	-1.0 (1.5)	-0.5 (1.3)	-0.7 (1.5)	-1.1 (1.5)	-0.9 (1.5)
W/A	Yes	-0.5 (1.1)	-0.9 (1.2)	-0.6 (1.1)	-0.5 (1.1)	-0.3 (1.6)	-1.4 (1.1)	-1.0 (1.0)	-1.1 (1.0)	-0.8** (1.4)	-0.8** (1.3)	-0.8 (1.1)	-0.8** (1.2)
	No	-0.3 (1.2)	-0.8 (1.2)	-0.4 (1.3)	-0.3 (1.2)	-0.2 (1.3)	-0.9 (1.5)	-0.9 (1.1)	-1.0 (1.2)	-0.2 (1.3)	-0.3 (1.3)	-0.7 (1.2)	-0.5 (1.3)
W/H	Yes	0.2 (1.1)	0.2 (1.4)	0.1 (1.1)	0.0 (1.1)	0.7 (1.4)	-0.6 (1.3)	-0.4 (1.3)	-0.5 (0.9)	-0.1 (1.1)	0.0* (1.2)	-0.1 (1.2)	-0.1* (1.2)
	No	0.4 (1.2)	-0.1 (1.2)	0.2 (1.3)	0.2 (1.3)	0.7 (1.5)	-0.2 (1.4)	-0.3 (1.3)	-0.5 (1.0)	0.1 (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 8.144 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 8b): Do any of your children ever go to bed hungry because there is not enough 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)]		399 (104; 295)	208 (61; 147)	389 (91; 298)	488 (82; 406)	133 (57; 76)	144 (59; 85)	261 (75; 186)	224 (104; 120)	281 (42; 239)	1245 (264; 981)	1282 (411; 871)	2527 (675; 1825)
Energy (kJ)	Yes	5030 (2897)	3033** (1846)	3778** (1415)	4958** (2140)	3956* (2029)	3292* (1780)	3957 (1922)	4087** (1652)	4971** (1934)	4163** (2136)	4161** (2120)	4161** (2125)
	No	5113 (2148)	4289 (2082)	4354 (1762)	5643 (2208)	4786 (2379)	4241 (2439)	4298 (1978)	5283 (2817)	6135 (2361)	5232 (2326)	4844 (2213)	5049 (2281)
Zinc (mg)	Yes	3.8 (2.5)	2.8** (2.1)	3.9* (2.4)	4.4** (2.6)	4.0 (2.3)	3.6 (3.2)	4.5 (3.1)	3.9** (2.5)	5.3* (3.3)	4.2** (2.9)	3.9** (2.5)	4.0** (2.7)
	No	4.3 (2.6)	4.1 (2.6)	4.4 (2.4)	5.6 (3.1)	4.8 (2.7)	4.4 (3.7)	5.1 (3.7)	5.1 (3.1)	6.4 (3.6)	5.4 (3.3)	4.6 (3.0)	5.0 (3.1)
Vit.A (RE)	Yes	184** (247)	165** (273)	575* (2135)	359 (616)	634 (2588)	279** (892)	650** (755)	219 (498)	365** (415)	499** (1795)	289 (538)	371** (1201)
	No	357 (791)	400 (993)	326 (635)	346 (1136)	344 (1257)	422 (1063)	358 (513)	359 (956)	612 (893)	471 (904)	296 (917)	389 (914)
Iron (mg)	Yes	4.2* (3.1)	2.9** (2.4)	4.4** (5.0)	5.9 (4.1)	5.0 (3.7)	3.3 (2.9)	9.9* (7.5)	4.0** (2.6)	5.5** (4.2)	4.5** (4.3)	5.3** (4.8)	5.0** (4.6)
	No	4.9 (3.2)	4.3 (3.2)	5.2 (3.1)	6.3 (4.1)	5.2 (3.3)	4.1 (2.9)	7.7 (6.6)	5.9 (4.3)	7.1 (3.6)	6.0 (3.9)	5.6 (4.3)	5.8 (4.1)
Vit.C (mg)	Yes	16.1* (22.3)	16.1 (25.0)	19.7 (26.9)	24.8 (33.4)	20.2 (40.6)	18.3 (31.5)	17.4 (46.5)	32.5 (89.9)	46.4 (56.5)	24.2** (39.3)	21.8* (53.1)	22.7** (48.1)
	No	24.0 (41.0)	20.3 (39.3)	33.3 (65.6)	59.5 (292)	27.8 (70.6)	37.8 (112)	17.9 (29.7)	28.8 (48.5)	55.4 (70.6)	42.7 (92.5)	31.8 (190)	37.5 (147)
Ca⁺⁺ (mg)	Yes	328* (429)	228** (260)	215** (212)	338* (386)	196 (161)	168 (166)	308* (259)	214* (185)	327** (264)	242** (241)	272** (315)	260** (288)
	No	325 (330)	288 (226)	274 (215)	364 (332)	241 (210)	213 (185)	243 (264)	270 (203)	488 (352)	354 (300)	288 (288)	323 (296)

Ca⁺⁺ = Calcium; *Wilcoxon test for two samples; significant for P<0.05; **Wilcoxon test for two samples; significant for P<0.01

Table 8.145 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 8b): Do any of your children ever go to bed hungry because there is not enough 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)]		402 (104; 298)	208 (61; 147)	336 (76; 260)	486 (81; 405)	132 (56; 76)	148 (59; 89)	263 (76; 187)	222 (102; 120)	281 (42; 239)	1206 (253; 953)	1272 (404; 868)	2478 (657; 1821)
Items In Proc	Yes	32.0** (12.3)	13.3* (6.5)	28.5** (10.9)	27.6** (11.4)	15.2** (7.7)	18.8** (10.2)	14.0* (10.3)	30.0** (9.2)	50.0** (14.7)	28.6** (15.9)	23.5** (12.7)	25.5** (14.2)
	No	36.2 (11.4)	16.6 (8.0)	38.5 (18.0)	38.2 (15.4)	27.1 (15.8)	25.5 (11.2)	17.7 (11.9)	36.8 (11.5)	67.0 (20.5)	43.5 (22.6)	29.2 (14.7)	36.7 (20.5)
Anim. In Proc	Yes	6.7** (3.5)	2.8* (1.7)	6.5** (2.7)	5.4** (2.8)	3.4** (2.1)	4.3* (2.6)	3.3 (3.0)	6.4** (2.6)	10.5** (4.1)	6.3** (3.9)	5.0** (3.1)	5.5** (3.5)
	No	8.1 (3.3)	3.4 (2.1)	9.2 (4.6)	8.0 (3.9)	6.2 (3.8)	5.3 (3.0)	4.2 (3.5)	8.2 (3.1)	15.4 (5.1)	10.0 (5.6)	6.3 (3.6)	8.2 (5.1)
Dairy In Proc	Yes	1.8** (1.3)	0.7** (0.5)	1.2** (1.0)	1.3** (0.9)	0.7** (0.6)	0.7* (0.7)	0.6* (0.7)	1.3** (0.8)	2.6** (1.7)	1.4** (1.3)	1.1** (0.9)	1.2** (1.1)
	No	2.3 (1.2)	1.0 (0.5)	2.2 (1.5)	2.3 (1.5)	1.3 (1.2)	1.0 (0.9)	1.0 (1.1)	1.7 (1.0)	4.2 (2.1)	2.7 (1.9)	1.6 (1.2)	2.2 (1.7)

*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 8.146 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 8b): Do any of your children ever go to bed hungry because there is not enough 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)]		340 (87; 253)	180 (54; 126)	149 (41; 108)	280 (59; 221)	123 (54; 69)	64 (28; 36)	252 (73; 179)	110 (54; 56)	47 (9; 38)	441 (144; 397)	1004 (315; 689)	1545 (459; 1086)
Items In Inv.	Yes	6.7** (6.2)	2.8** (1.9)	6.7* (3.9)	5.8** (4.3)	6.3* (4.0)	6.3** (3.6)	5.6** (3.6)	5.4** (3.9)	12.1 (7.6)	6.4** (5.6)	5.6** (4.0)	5.8** (4.6)
	No	10.8 (6.7)	5.6 (5.9)	8.8 (5.6)	10.8 (7.4)	10.3 (7.9)	9.1 (4.2)	9.1 (7.0)	8.2 (6.2)	18.3 (15.6)	11.2 (9.2)	8.9 (6.3)	9.7 (7.5)
Anim. In Inv.	Yes	0.4** (0.9)	0.4 (0.6)	0.8 (1.0)	0.5** (0.9)	1.1** (1.6)	0.5 (0.8)	0.7** (1.1)	0.4* (0.7)	1.0 (1.5)	0.7** (1.1)	0.5** (1.0)	0.6** (1.0)
	No	0.9 (1.3)	0.9 (1.8)	1.3 (1.5)	1.3 (1.8)	2.3 (2.2)	0.9 (1.1)	1.8 (2.3)	1.0 (1.7)	2.6 (3.7)	1.8 (2.4)	1.1 (1.6)	1.3 (1.9)
Dairy In Inv.	Yes	0.2** (0.4)	0.2 (0.4)	0.2* (0.5)	0.3* (0.5)	0.3 (0.5)	0.2 (0.4)	0.3* (0.5)	0.2 (0.4)	0.3 (0.5)	0.2** (0.5)	0.2** (0.5)	0.2** (0.5)
	No	0.5 (0.7)	0.4 (0.6)	0.5 (0.8)	0.6 (0.8)	0.5 (0.7)	0.4 (0.5)	0.6 (0.9)	0.4 (0.7)	1.0 (1.6)	0.6 (1.0)	0.4 (0.7)	0.5 (0.8)

*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 8.147 Hunger Scale Questionnaire: Factor analysis (varimax rotation) for children aged 1 – 9 years nationally and by area of residence: South Africa 1999

Response		Area of residence (Factor Loading)											
		Urban				Rural				RSA			
Question		% Yes*	F1*	F2*	F3*	% Yes	F1	F2	F3	% Yes	F1	F2	F3
HH level insecurity	1. Does household run out of money to buy food	58	0.86			80	0.86			69	0.86		
	2. Rely on limited amount of food because there is no money	53	0.83			75	0.79			64	0.81		
Individual level insecurity	3. Do you cut size of or skip meals because not enough money	44	0.56	0.65		63		0.74		54	0.46	0.70	
	4. Do you eat less because there is not enough money	49	0.64	0.63		68		0.72		59	0.57	0.67	
Child Hunger	5. Do children eat less because there is not enough money	43	0.41	0.78		62		0.82		53		0.80	
	6. Do children stay hungry because there is not enough food	37		0.69	0.47	60		0.71	0.40	49		0.60	
	7. Do you cut size of meals because there is no money	38		0.80		57		0.77		48		0.79	
	8. Do children go to bed hungry because there is not enough money	23			0.91	37			0.92	30			0.92
Variance Explained (%)		-	35	31	17	-	39	24	16	-	38	28	16
Total variance explained (%)		84				79				82			
Cronbach's Alpha (standardised variables)		0.935036				0.910958				0.928131			

* % Yes = affirmative response; F1 = HH food insecurity factor, F2 = Individual food insecurity and child hunger factor, F3 = child hunger only

Table 8.148 Affirmative (Yes) responses provided by the interviewees for the Hunger Scale Questionnaire per level of food insecurity by province: South Africa 1999

Province	HH Insecurity Level (%)		Individual Insecurity and Child Hunger Level (%)			Child Hunger Level (%)
	Uncorrected (Quest. 1 & 2)*	Corrected for Factor Analysis (Quest. 1 & 2)#	Uncorrected (Quest. 3 & 4)**	Uncorrected (Quest 5, 6, 7 & 8)***	Corrected for Factor Analysis (Quest 3, 4, 5, 6 & 7)##	Corrected for Factor Analysis (Question 8)###
E. Cape	88 - 94	88 - 94	79 - 89	28 - 88	64 - 92	29
Free State	43 - 54	43 - 54	36 - 43	28 - 43	31 - 45	30
G/teng	51 - 61	51 - 61	42 - 54	21 - 51	26 - 58	27
KZ/Natal	63 - 73	63 - 73	50 - 59	25 - 52	38 - 61	27
M/langa	57 - 75	57 - 75	45 - 59	34 - 63	41 - 65	40
N. Cape	68 - 84	68 - 84	55 - 74	35 - 76	39 - 81	44
N. Province	62 - 79	62 - 79	52 - 64	26 - 65	37 - 72	32
North West	59 - 81	59 - 81	44 - 75	31 - 77	30 - 82	48
W. Cape	40 - 59	40 - 59	36 - 48	13 - 38	19 - 50	16
Urban	49 - 62	49 - 62	41 - 53	19 - 49	27 - 56	23
Rural	71 - 84	71 - 84	59 - 72	31 - 71	45 - 77	37
RSA	60 - 73	60 - 73	50 - 63	25 - 60	36 - 67	30

*Yes for both questions 1 and 2 (lower limit); Yes for at least one of questions 1 and 2 (upper limit); ** Yes for both questions 3 and 4 (lower limit); Yes for at least one of questions 3 and 4 (upper limit); ***Yes for all of questions 5, 6, 7 and 8 (lower limit); Yes for at least one of questions 5, 6, 7 and 8 (upper limit)

#Yes for both questions 1 and 2 (lower limit); Yes for at least one of questions 1 and 2 (upper limit); ## Yes for all of questions 3, 4, 5, 6 and 7 (lower limit); Yes for at least one of questions 3, 4, 5, 6 and 7 (upper limit); ### Yes for question 8 only