

**Table 8.75** 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	
<b>Total n [Yes (n); No (n)]</b>		363 (297; 66)	202 (73; 129)	392 (171; 221)	445 (249; 196)	135 (68; 67)	128 (81; 47)	304 (173; 131)	219 (122; 97)	318 (131; 187)	1245 (563; 682)	1261 (802; 459)	2506 (1365; 1141)
<b>H/A</b>	<b>Yes</b>	-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)
	<b>No</b>	-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)
<b>W/A</b>	<b>Yes</b>	-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)
	<b>No</b>	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)
<b>W/H</b>	<b>Yes</b>	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)
	<b>No</b>	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 8.76** 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	
<b>Total n [Yes (n); No (n)]</b>		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)
<b>Energy (kJ)</b>	<b>Yes</b>	4921** (2353)	3314** (2182)	3916** (1373)	5364* (2276)	4019** (2098)	3757 (2153)	3963** (1821)	4289* (1831)	5346** (2118)	4676** (2189)	4462** (2161)	4549** (2174)
	<b>No</b>	5886 (2411)	4270 (1961)	4597 (1931)	5653 (2040)	5005 (2149)	4126 (2354)	4801 (2292)	5203 (2865)	6513 (2328)	5460 (2394)	4900 (2197)	5232 (2331)
<b>Zinc (mg)</b>	<b>Yes</b>	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)
	<b>No</b>	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)
<b>Vit.A (RE)</b>	<b>Yes</b>	291** (732)	162** (251)	441** (1552)	395* (1379)	286 (743)	310 (802)	514* (765)	256 (741)	548** (995)	477** (1227)	303 (865)	374** (1030)
	<b>No</b>	518 (925)	428 (1044)	422 (892)	277 (302)	613 (2485)	375 (983)	399 (851)	374 (892)	684 (1018)	549 (1207)	294 (651)	445 (1025)
<b>Iron (mg)</b>	<b>Yes</b>	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)
	<b>No</b>	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)
<b>Vit.C (mg)</b>	<b>Yes</b>	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)
	<b>No</b>	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)
<b>Ca<sup>++</sup> (mg)</b>	<b>Yes</b>	317** (374)	213** (238)	241** (206)	335** (330)	206 (164)	180 (177)	268 (223)	226 (190)	356** (316)	284** (272)	280* (302)	282** (290)
	<b>No</b>	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<sup>++</sup> = Calcium

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

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

**Table 8.77** 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	
<b>Total n [Yes (n); No (n)]</b>		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)
<b>Items In Proc</b>	<b>Yes</b>	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)
	<b>No</b>	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)
<b>Anim. In Proc</b>	<b>Yes</b>	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)
	<b>No</b>	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)
<b>Dairy In Proc</b>	<b>Yes</b>	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)
	<b>No</b>	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 8.78** 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	
<b>Total n [ Yes (n); No (n) ]</b>		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)
<b>Items In Inv.</b>	<b>Yes</b>	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)
	<b>No</b>	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)
<b>Anim. In Inv.</b>	<b>Yes</b>	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)
	<b>No</b>	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)
<b>Dairy In Inv.</b>	<b>Yes</b>	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)
	<b>No</b>	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

**Table 8.79** The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 3a): Do you ever cut the size of meals or skip any because there is not enough food in the house 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	
<b>Total n [Yes (n); No (n)]</b>		354 (250; 104)	201 (69; 132)	382 (149; 233)	427 (201; 226)	117 (56; 61)	125 (68; 57)	251 (113; 138)	221 (112; 109)	270 (115; 155)	1160 (482; 678)	1188 (651; 537)	2348 (1133; 1215)
<b>H/A</b>	<b>Yes</b>	-1.1* (1.4)	-1.6 (1.6)	-0.9 (1.5)	-0.9 (1.5)	-1.4 (1.8)	-1.2 (1.8)	-1.2 (1.3)	-1.2 (1.3)	-1.0** (1.2)	-1.0** (1.5)	-1.2 (1.5)	-1.1** (1.5)
	<b>No</b>	-0.7 (1.5)	-1.2 (1.3)	-0.9 (1.4)	-0.6 (1.5)	-0.8 (1.8)	-1.4 (1.7)	-0.9 (1.5)	-1.0 (1.4)	-0.4 (1.4)	-0.7 (1.5)	-1.1 (1.5)	-0.8 (1.5)
<b>W/A</b>	<b>Yes</b>	-0.4 (1.2)	-1.0 (1.1)	-0.6 (1.2)	-0.5** (1.1)	-0.3 (1.5)	-1.0 (1.2)	-1.2** (1.1)	-1.1 (1.0)	-0.8** (1.2)	-0.6** (1.3)	-0.8 (1.1)	-0.7** (1.2)
	<b>No</b>	-0.2 (1.1)	-0.8 (1.2)	-0.4 (1.2)	-0.2 (1.2)	-0.2 (1.3)	-1.1 (1.5)	-0.7 (1.1)	-1.0 (1.2)	-0.1 (1.3)	-0.3 (1.3)	-0.7 (1.2)	-0.5 (1.3)
<b>W/H</b>	<b>Yes</b>	0.4 (1.2)	0.0 (1.4)	0.0* (1.0)	0.1 (1.2)	0.8 (1.4)	-0.4 (1.2)	-0.5* (1.3)	-0.5 (0.9)	-0.2** (1.0)	0.0** (1.2)	-0.1 (1.2)	0.0* (1.2)
	<b>No</b>	0.4 (1.1)	0.0 (1.2)	0.3 (1.3)	0.3 (1.3)	0.5 (1.5)	-0.4 (1.5)	-0.2 (1.3)	-0.4 (1.1)	0.2 (1.1)	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 8.80** 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 3a): Do you ever cut the size of meals or skip any because there is not enough food in the house 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	
<b>Total n [Yes (n); No (n)]</b>		398 (279; 119)	207 (72; 135)	399 (159; 240)	512 (227; 285)	135 (69; 66)	144 (76; 68)	279 (124; 155)	225 (114; 111)	299 (125; 174)	1269 (521; 748)	1329 (724; 605)	2598 (1245; 1353)
<b>Energy (kJ)</b>	<b>Yes</b>	4817** (2377)	3076** (1724)	3897** (1436)	5274** (2267)	4141 (2118)	3617 (2206)	4124 (1973)	4289* (1853)	5213** (2053)	4573** (2172)	4437** (2166)	4494** (2169)
	<b>No</b>	5695 (2301)	4372 (2143)	4426 (1816)	5697 (2105)	4691 (2326)	4117 (2275)	4194 (1935)	5178 (2817)	6428 (2344)	5328 (2394)	4795 (2170)	5090 (2311)
<b>Zinc (mg)</b>	<b>Yes</b>	3.9** (2.5)	2.7** (1.9)	4.0 (2.2)	4.8** (2.9)	4.1 (2.2)	4.0 (3.7)	4.4 (3.2)	3.9** (2.7)	5.3** (3.1)	4.5** (2.9)	4.0** (2.7)	4.2** (2.8)
	<b>No</b>	5.0 (2.9)	4.3 (2.7)	4.5 (2.6)	5.8 (3.1)	4.7 (2.8)	4.2 (3.3)	5.1 (3.7)	5.2 (3.0)	6.9 (3.8)	5.6 (3.4)	4.8 (2.9)	5.2 (3.2)
<b>Vit.A (RE)</b>	<b>Yes</b>	231** (410)	118** (263)	477** (1664)	326** (565)	461 (1495)	330 (855)	484 (654)	274 (772)	567** (1058)	453** (1190)	290* (645)	358** (917)
	<b>No</b>	584 (1262)	414 (1034)	363 (842)	356 (1303)	478 (2303)	339 (928)	365 (521)	315 (789)	581 (681)	516 (1169)	290 (954)	415 (1084)
<b>Iron (mg)</b>	<b>Yes</b>	4.3** (3.1)	2.9** (2.4)	4.6** (4.4)	6.0 (3.8)	5.4 (3.5)	3.6 (3.1)	8.4 (6.9)	4.1** (3.0)	5.6** (3.4)	4.8** (3.8)	5.3** (4.4)	5.1** (4.2)
	<b>No</b>	5.7 (3.5)	4.4 (3.3)	5.4 (3.2)	6.4 (4.2)	5.0 (3.6)	3.9 (2.7)	7.7 (6.7)	5.9 (4.2)	7.6 (3.6)	6.3 (4.1)	5.6 (4.4)	6.0 (4.2)
<b>Vit.C (mg)</b>	<b>Yes</b>	18.1** (24.3)	15.0 (23.0)	20.3** (36.5)	61.9 (370)	18.3 (35.4)	32.2 (104)	13.2 (24.8)	31.5 (61.3)	37.7** (44.6)	30.2** (72.0)	29.4 (206)	29.8** (164)
	<b>No</b>	35.7 (62.7)	21.3 (41.0)	37.2 (68.8)	47.8 (127)	30.8 (76.3)	25.4 (67.1)	20.6 (40.6)	36.1 (105)	62.3 (77.7)	44.5 (90.7)	30.1 (77.1)	38.1 (85.2)
<b>Ca<sup>++</sup> (mg)</b>	<b>Yes</b>	305** (375)	218** (243)	245 (221)	317** (336)	204 (163)	166 (166)	264 (235)	312* (161)	352** (296)	279** (265)	268** (306)	273** (290)
	<b>No</b>	383 (328)	298 (231)	274 (216)	391 (338)	243 (220)	217 (183)	245 (280)	277 (222)	533 (375)	371 (314)	294 (279)	337 (301)

Ca<sup>++</sup> = Calcium

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

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

**Table 8.81** 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 3a): Do you ever cut the size of meals or skip any because there is not enough food in the house 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	
<b>Total n [ Yes (n); No (n) ]</b>		401 (279;122)	207 (72; 135)	344 (135; 209)	509 (226; 283)	134 (68; 66)	148 (77; 71)	282 (126; 156)	223 (113; 110)	299 (125; 174)	1227 (502; 725)	1320 (719; 601)	2547 (1221;1326)
<b>Items In Proc</b>	<b>Yes</b>	33.4** (10.9)	13.6* (6.3)	29.8** (12.5)	32.7** (12.9)	15.9** (8.6)	21.0* (10.1)	15.4 (11.1)	30.5** (10.7)	56.7** (17.4)	35.5** (18.7)	26.5* (13.7)	30.2** (16.5)
	<b>No</b>	38.4 (14.7)	16.7 (8.2)	40.5 (18.3)	39.8 (16.1)	28.0 (16.1)	25.3 (11.7)	17.4 (11.9)	36.9 (10.4)	70.2 (20.8)	44.3 (23.8)	28.7 (15.9)	37.2 (22.0)
<b>Anim. In Proc</b>	<b>Yes</b>	7.3** (3.3)	2.8* (1.6)	6.9** (3.3)	6.6** (3.3)	3.6** (2.4)	4.7 (2.6)	3.6 (3.2)	6.5** (2.9)	12.5** (4.7)	7.9** (4.6)	5.6** (3.4)	6.6** (4.1)
	<b>No</b>	8.5 (4.1)	3.5 (2.1)	9.7 (4.6)	8.5 (4.0)	6.5 (3.9)	5.3 (3.1)	4.3 (3.5)	8.2 (2.9)	16.1 (5.1)	10.1 (5.8)	6.3 (3.8)	8.4 (5.4)
<b>Dairy In Proc</b>	<b>Yes</b>	2.1** (1.2)	0.8** (0.5)	1.3** (1.0)	1.6** (1.1)	0.8** (0.8)	0.9 (0.7)	0.7** (0.8)	1.4* (0.9)	3.1** (1.7)	2.0** (1.5)	1.3** (1.0)	1.6** (1.3)
	<b>No</b>	2.4 (1.5)	1.0 (0.5)	2.4 (1.5)	2.6 (1.6)	1.3 (1.2)	0.9 (0.9)	1.1 (1.2)	1.7 (1.0)	4.5 (2.2)	2.8 (2.0)	1.6 (1.3)	2.2 (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 8.82** 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 3a): Do you ever cut the size of meals or skip any because there is not enough food in the house 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	
<b>Total n</b> [ Yes (n); No (n) ]		336 (244; 92)	179 (63; 116)	148 (67; 81)	298 (158; 140)	125 (65; 60)	63 (30; 33)	270 (118; 152)	111 (59; 52)	54 (28; 26)	535 (251; 284)	1049 (581; 468)	1584 (832; 752)
<b>Items In Inv.</b>	<b>Yes</b>	8.7** (6.7)	3.1** (2.0)	7.4* (5.0)	7.3** (5.0)	6.1** (4.2)	7.2 (4.2)	6.5** (4.7)	5.6* (4.3)	13.4 (8.6)	8.6** (7.0)	6.7** (5.0)	7.3** (5.7)
	<b>No</b>	12.2 (6.6)	5.7 (6.1)	9.0 (5.6)	12.5 (8.1)	11.0 (7.8)	8.5 (4.0)	9.3 (7.4)	8.2 (6.0)	20.8 (17.8)	11.1 (9.7)	9.4 (6.8)	10.1 (8.1)
<b>Anim. In Inv.</b>	<b>Yes</b>	0.6** (1.1)	0.4** (0.6)	1.1 (1.4)	0.7** (1.2)	1.0** (1.5)	0.6 (0.8)	1.0** (1.6)	0.5* (0.9)	1.6 (2.1)	1.1** (1.6)	0.6** (1.1)	0.7** (1.3)
	<b>No</b>	1.1 (1.5)	0.9 (1.8)	1.3 (1.5)	1.7 (2.0)	2.5 (2.2)	0.8 (1.1)	1.9 (2.3)	1.0 (1.7)	3.2 (4.4)	1.9 (2.5)	1.3 (1.8)	1.5 (2.1)
<b>Dairy In Inv.</b>	<b>Yes</b>	0.3* (0.5)	0.2* (0.4)	0.3* (0.6)	0.4** (0.6)	0.3* (0.6)	0.2 (0.4)	0.3** (0.5)	0.3 (0.4)	0.4 (0.6)	0.3** (0.6)	0.3** (0.7)	0.3** (0.6)
	<b>No</b>	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)	1.2 (1.9)	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 8.83** The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 3b): Do you ever cut the size of meals or skip any because there is not enough food in the house 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	
<b>Total n [Yes (n); No (n)]</b>		359 (227; 132)	202 (68; 134)	375 (130; 245)	427 (159; 268)	117 (56; 61)	126 (64; 62)	258 (130; 128)	221 (101; 120)	260 (76; 184)	1156 (401; 755)	1189 (610; 579)	2345 (1011;1334)
<b>H/A</b>	<b>Yes</b>	-1.0 (1.4)	-1.6 (1.6)	-0.9 (1.4)	-0.9 (1.5)	-1.2 (1.8)	-1.6* (1.5)	-1.0 (1.3)	-1.2 (1.3)	-1.0** (1.3)	-1.0** (1.4)	-1.1 (1.5)	-1.1** (1.4)
	<b>No</b>	-0.9 (1.5)	-1.3 (1.3)	-0.8 (1.5)	-0.6 (1.5)	-0.9 (1.8)	-0.8 (1.9)	-1.1 (1.5)	-1.0 (1.4)	-0.5 (1.4)	-0.7 (1.5)	-1.1 (1.5)	-0.8 (1.5)
<b>W/A</b>	<b>Yes</b>	-0.4 (1.2)	-0.9 (1.1)	-0.6 (1.1)	-0.5* (1.1)	-0.3 (1.5)	-1.4* (1.1)	-1.0 (1.0)	-1.2 (1.0)	-0.8** (1.3)	-0.6** (1.3)	-0.8 (1.1)	-0.7** (1.2)
	<b>No</b>	-0.3 (1.1)	-0.8 (1.2)	-0.4 (1.3)	-0.2 (1.2)	-0.1 (1.3)	-0.7 (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)
<b>W/H</b>	<b>Yes</b>	0.4 (1.2)	0.1 (1.4)	0.1 (1.0)	0.0 (1.2)	0.6 (1.5)	-0.5 (1.4)	-0.5* (1.2)	-0.6 (0.9)	-0.2* (1.0)	0.0* (1.2)	-0.1 (1.2)	0.0** (1.2)
	<b>No</b>	0.3 (1.1)	0.0 (1.2)	0.2 (1.3)	0.2 (1.3)	0.7 (1.4)	-0.2 (1.4)	-0.1 (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 8.84** 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 3b): Do you ever cut the size of meals or skip any because there is not enough food in the house 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	
<b>Total n [ Yes (n); No (n) ]</b>		404 (255; 149)	208 (71; 137)	392 (139; 253)	512 (182; 330)	134 (65; 69)	144 (71; 73)	288 (146; 142)	225 (102; 123)	287 (82; 205)	1262 (431; 831)	1332 (682; 650)	2594 (1113;1481)
<b>Energy (kJ)</b>	<b>Yes</b>	4854** (2422)	3065** (1738)	3855* (1381)	5264* (2334)	4070 (1961)	3481 (1827)	3961* (1844)	4292* (1842)	5236** (2014)	4424** (2140)	4398** (2145)	4408** (2142)
	<b>No</b>	5590 (2320)	4365 (2126)	4427 (1821)	5648 (2093)	4828 (2444)	4195 (2499)	4388 (1922)	5089 (2756)	6164 (2352)	5333 (2373)	4824 (2167)	5109 (2298)
<b>Zinc (mg)</b>	<b>Yes</b>	3.9** (2.4)	2.8** (1.9)	4.0 (2.2)	4.7** (2.7)	4.1 (2.3)	4.0 (3.1)	4.4 (3.3)	4.0** (2.8)	5.3** (3.2)	4.4** (2.8)	4.0** (2.7)	4.2** (2.7)
	<b>No</b>	4.8 (2.9)	4.2 (2.7)	4.5 (2.5)	5.8 (3.1)	4.7 (2.8)	4.2 (3.8)	5.3 (3.7)	4.9 (2.9)	6.5 (3.7)	5.5 (3.4)	4.7 (2.9)	5.2 (3.2)
<b>Vit.A (RE)</b>	<b>Yes</b>	223** (413)	173** (263)	503* (1770)	315* (559)	476 (1541)	296** (1006)	588** (839)	294 (813)	508** (898)	448** (1281)	312 (670)	365** (956)
	<b>No</b>	535 (1145)	413 (1027)	330 (641)	358 (1229)	461 (2251)	409 (969)	329 (511)	294 (752)	599 (855)	513 (1125)	275 (920)	409 (1046)
<b>Iron (mg)</b>	<b>Yes</b>	4.5** (3.2)	2.9** (2.4)	4.5** (4.5)	5.8 (3.7)	5.4 (3.6)	3.5 (2.7)	9.0* (7.2)	4.3** (3.3)	5.6** (3.8)	4.7** (3.9)	5.6 (4.8)	5.2** (4.5)
	<b>No</b>	5.2 (3.3)	4.4 (3.3)	5.3 (3.2)	6.4 (4.2)	5.0 (3.5)	4.0 (3.1)	7.5 (6.4)	5.6 (4.0)	7.2 (3.6)	6.2 (4.0)	5.4 (4.2)	5.9 (4.1)
<b>Vit.C (mg)</b>	<b>Yes</b>	17.9** (24.3)	14.5* (23.0)	20.3** (37.9)	56.1 (400.0)	22.1 (68.0)	26.1 (90.7)	14.7 (36.9)	36.3 (92.3)	42.5 (50.5)	26.2** (55.9)	29.3* (211)	28.1** (169)
	<b>No</b>	32.1 (56.2)	21.5 (40.7)	36.4 (67.5)	52.9 (141.7)	27.7 (50.3)	33.2 (86.6)	19.5 (30.9)	31.6 (80.1)	57.4 (74.0)	45.2 (94.8)	30.1 (77.6)	38.6 (88.0)
<b>Ca<sup>++</sup> (mg)</b>	<b>Yes</b>	295** (357)	220** (245)	247 (222)	324** (358)	215 (190)	174 (171)	280* (228)	225 (185)	292** (221)	263** (248)	271 (300)	268** (281)
	<b>No</b>	396 (359)	296 (230)	274 (218)	377 (327)	226 (190)	221 (185)	248 (293)	259 (204)	520 (382)	370 (315)	294** (288)	337 (305)

Ca<sup>++</sup> = Calcium

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

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

**Table 8.85** 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 3b): Do you ever cut the size of meals or skip any because there is not enough food in the house 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	
<b>Total n [ Yes (n); No (n) ]</b>		407 (255;152)	208 (71; 137)	339 (120; 219)	509 (183; 326)	134 (64; 70)	148 (71; 77)	291 (148; 143)	223 (101; 122)	287 (82; 205)	1222 (416; 806)	1324 (679; 645)	2546 (1095;1451)
<b>Items In Proc</b>	<b>Yes</b>	33.0** (10.7)	13.9 (6.3)	29.1** (11.4)	32.8** (12.5)	15.1** (7.7)	20.6** (11.1)	15.2* (10.2)	31.1** (10.5)	54.8** (18.3)	33.2** (17.8)	25.6** (13.2)	28.5** (15.6)
	<b>No</b>	38.4 (13.9)	16.6 (8.2)	39.9 (18.5)	38.9 (16.1)	27.6 (15.8)	25.5 (11.0)	18.7 (12.1)	35.8 (11.0)	68.1 (20.0)	44.0 (23.2)	29.4 (15.4)	37.5 (21.4)
<b>Anim. In Proc</b>	<b>Yes</b>	7.2** (3.1)	2.9 (1.6)	6.7** (3.0)	6.7** (3.2)	3.4** (2.2)	4.6 (2.7)	3.4** (2.9)	6.6** (2.8)	12.1** (5.1)	7.4** (4.4)	5.4** (3.3)	6.2** (3.8)
	<b>No</b>	8.6 (4.0)	3.4 (2.1)	9.6 (4.7)	8.2 (4.1)	6.5 (3.8)	5.3 (3.0)	4.7 (3.6)	8.0 (3.1)	15.5 (4.9)	10.1 (5.7)	6.4 (3.7)	8.4 (5.2)
<b>Dairy In Proc</b>	<b>Yes</b>	2.0** (1.1)	0.8** (0.5)	0.3** (11.4)	1.6** (1.0)	0.6** (0.7)	0.8 (0.7)	0.7* (0.8)	1.4* (0.9)	3.0** (1.9)	1.8** (1.5)	1.3** (1.0)	1.5** (1.2)
	<b>No</b>	2.6 (1.5)	1.0 (0.5)	39.9 (18.5)	2.5 (1.6)	1.4 (1.2)	1.0 (0.9)	1.1 (1.2)	1.6 (1.0)	4.3 (2.1)	2.7 (1.9)	1.6 (1.3)	2.2 (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 8.86** 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 3b): Do you ever cut the size of meals or skip any because there is not enough food in the house 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	
<b>Total n</b> [ Yes (n); No (n) ]		342 (223; 119)	180 (62; 118)	148 (65; 83)	298 (128; 170)	125 (61; 64)	63 (35; 28)	281 (141; 140)	111 (50; 61)	52 (21; 31)	543 (230; 313)	1057 (556; 501)	1600 (786; 814)
<b>Items In Inv.</b>	<b>Yes</b>	8.4** (6.5)	3.1** (2.1)	7.2* (4.9)	6.9** (4.7)	6.0** (3.9)	6.9* (4.0)	6.2** (4.1)	5.5* (4.4)	12.3* (6.2)	8.0** (6.5)	6.5** (4.6)	6.9** (5.3)
	<b>No</b>	12.1 (6.6)	5.7 (6.1)	9.1 (5.5)	11.9 (7.9)	10.4 (7.8)	9.2 (4.0)	10.0 (7.6)	7.9 (5.8)	19.7 (16.8)	11.4 (9.6)	9.5 (6.7)	10.2 (8.0)
<b>Anim. In Inv.</b>	<b>Yes</b>	0.6** (1.1)	0.4* (0.6)	1.1 (1.4)	0.5** (0.9)	0.9** (1.3)	0.5 (0.9)	0.8** (1.3)	0.4 (0.8)	1.0* (1.2)	1.0** (1.4)	0.6** (0.9)	0.7** (1.1)
	<b>No</b>	1.1 (1.4)	0.9 (1.8)	1.3 (1.5)	1.6 (2.0)	2.4 (2.3)	1.0 (1.1)	2.1 (2.4)	1.0 (1.6)	3.0 (4.0)	1.9 (2.5)	1.3 (1.8)	1.5 (2.1)
<b>Dairy In Inv.</b>	<b>Yes</b>	0.3** (0.5)	0.2* (0.5)	0.3 (0.6)	0.3** (0.5)	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)
	<b>No</b>	0.5 (0.8)	0.4 (0.5)	0.5 (0.8)	0.6 (0.8)	0.5 (0.7)	0.4 (0.6)	0.6 (1.0)	0.4 (0.7)	1.1 (1.8)	0.7 (1.0)	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 8.87** The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 4): Do you ever eat less than you should because there is not enough money for 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	
<b>Total n [Yes (n); No (n)]</b>		361 (317; 44)	201 (83; 118)	394 (199; 195)	445 (256; 189)	134 (66; 68)	128 (95; 33)	304 (182; 122)	219 (143; 76)	318 (140; 178)	1247 (626; 621)	1257 (855; 402)	2504 (1481; 1023)
<b>H/A</b>	<b>Yes</b>	-1.0 (1.5)	-1.5 (1.4)	-0.9* (1.5)	-0.8 (1.6)	-1.2 (1.8)	-1.2 (1.8)	-1.0 (1.3)	-1.2 (1.2)	-0.9** (1.3)	-0.9** (1.5)	-1.1 (1.5)	-1.0** (1.5)
	<b>No</b>	-0.6 (1.3)	-1.2 (1.4)	-0.7 (1.5)	-0.7 (1.4)	-0.8 (1.6)	-1.2 (1.6)	-1.2 (1.6)	-1.0 (1.5)	-0.3 (1.3)	-0.5 (1.5)	-1.2 (1.5)	-0.8 (1.5)
<b>W/A</b>	<b>Yes</b>	=-.4* (1.2)	-0.9 (1.1)	-0.5* (1.2)	-0.5* (1.1)	-0.2 (1.4)	-1.1 (1.4)	-1.0 (1.0)	-1.2 (1.0)	-0.8** (1.2)	-0.6** (1.2)	-0.8 (1.1)	-0.7** (1.2)
	<b>No</b>	0.0 (1.2)	-0.8 (1.2)	-0.2 (1.4)	-0.2 (1.2)	-0.3 (1.3)	-0.9 (1.4)	-0.8 (1.2)	-0.9 (1.2)	0.0 (1.3)	-0.1 (1.3)	-0.8 (1.2)	-0.4 (1.3)
<b>W/H</b>	<b>Yes</b>	0.3 (1.2)	0.0 (1.3)	0.1 (1.1)	0.0* (1.3)	0.7 (1.3)	-0.4 (1.3)	-0.5** (1.2)	-0.5 (0.9)	-0.3** (1.0)	0.0** (1.2)	-0.1 (1.2)	0.0** (1.2)
	<b>No</b>	0.7 (1.1)	0.0 (1.3)	0.3 (1.4)	0.3 (1.3)	0.4 (1.6)	-0.2 (1.6)	-0.1 (1.3)	-0.4 (1.1)	0.3 (1.3)	0.3 (1.4)	0.0 (1.3)	0.2 (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 8.88 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 4): Do you ever eat less than you should because there is not enough money for 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	
<b>Total n</b> [ Yes (n); No (n) ]		406 (354; 52)	207 (87; 120)	412 (210; 202)	530 (297; 233)	154 (80; 74)	148 (104; 44)	339 (201; 138)	224 (146; 78)	351 (151; 200)	1363 (675; 688)	1408 (955; 453)	2771 (1630; 1141)
<b>Energy (kJ)</b>	<b>Yes</b>	4992** (2328)	3534** (2236)	3956** (1450)	5386 (2240)	4116** (2221)	3690 (2086)	4083* (1841)	4451* (2248)	5378** (2092)	4671** (2215)	4553* (2181)	4601** (2195)
	<b>No</b>	6023 (2682)	4214 (1943)	4650 (1939)	5648 (2079)	4873 (2078)	4320 (2496)	4674 (2340)	5143 (2592)	6521 (2352)	5531 (2378)	4790 (2195)	5237 (2335)
<b>Zinc (mg)</b>	<b>Yes</b>	4.0** (2.4)	3.2** (2.3)	4.0** (2.1)	5.1** (3.3)	4.3 (2.7)	4.0 (3.5)	4.5* (3.0)	4.3 (3.0)	5.5** (3.1)	4.7** (3.1)	4.2** (2.7)	4.4** (2.9)
	<b>No</b>	5.7 (3.5)	4.2 (2.6)	4.9 (2.8)	5.7 (2.6)	4.7 (2.1)	4.4 (3.3)	5.8 (4.6)	4.7 (2.8)	7.2 (3.9)	5.9 (3.4)	4.9 (3.3)	5.5 (3.4)
<b>Vit.A (RE)</b>	<b>Yes</b>	301** (723)	222** (514)	431** (1462)	382* (1336)	666 (2480)	268 (719)	518** (760)	345 (944)	607** (1053)	516** (1397)	324 (930)	403** (1151)
	<b>No</b>	587 (1057)	412 (1030)	429 (925)	284 (334)	207 (263)	487 (1161)	385 (861)	240 (476)	642 (975)	517 (1007)	252 (361)	412 (824)
<b>Iron (mg)</b>	<b>Yes</b>	4.5** (3.0)	3.1** (2.4)	4.6** (4.0)	6.2 (4.5)	5.4 (3.6)	3.5* (2.8)	8.6 (6.6)	4.8 (3.7)	5.7** (3.3)	5.0** (4.0)	5.6 (4.6)	5.4** (4.4)
	<b>No</b>	6.4 (3.9)	4.4 (3.3)	5.8 (3.3)	6.2 (3.5)	5.3 (3.5)	4.4 (3.0)	7.9 (7.5)	5.0 (3.0)	7.9 (3.6)	6.7 (3.9)	5.6 (4.8)	6.3 (4.3)
<b>Vit.C (mg)</b>	<b>Yes</b>	21.0** (34.4)	16.1 (23.6)	23.5* (38.8)	41.0 (114)	18.5 (32.3)	27.6 (89.0)	14.8* (34.1)	30.6 (78.7)	42.3** (50.0)	32.3** (73.4)	23.4 (60.8)	27.1** (66.4)
	<b>No</b>	32.1 (42.7)	21.4 (42.5)	42.9 (77.5)	67.4 (370)	33.9 (86.5)	31.3 (82.4)	23.4 (38.0)	40.9 (98.2)	61.3 (75.7)	48.0 (92.1)	40.1 (260)	44.9 (179)
<b>Ca<sup>++</sup> (mg)</b>	<b>Yes</b>	321** (374)	218** (226)	241** (203)	336** (335)	202 (175)	193 (185)	283 (286)	243 (204)	355** (281)	288** (262)	284* (313)	285** (293)
	<b>No</b>	436 (295)	310 (240)	314 (260)	393 (339)	258 (222)	200 (159)	241 (204)	239 (183)	559 (371)	402 (328)	287 (251)	356 (305)

Ca<sup>++</sup> = Calcium

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

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

**Table 8.89** 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 4): Do you ever eat less than you should because there is not enough money for 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	
<b>Total n [Yes (n); No (n)]</b>		409 (356; 53)	207 (87; 120)	356 (183; 173)	527 (298; 229)	153 (80; 73)	252 (106; 46)	343 (203; 140)	222 (144; 78)	351 (151; 200)	1322 (655; 667)	1398 (953; 445)	2720 (1608; 1112)
<b>Items In Proc</b>	<b>Yes</b>	34.2* (10.8)	13.6** (6.2)	31.1** (12.8)	33.7** (13.1)	18.0** (12.2)	21.5** (11.4)	14.9** (10.3)	31.7** (9.3)	57.0** (17.9)	35.8** (18.4)	26.8* (14.1)	30.5** (16.6)
	<b>No</b>	40.7 (18.8)	17.2 (8.4)	46.9 (23.5)	41.7 (16.9)	31.6 (18.2)	27.1 (9.8)	21.1 (12.8)	36.8 (11.5)	73.8 (21.1)	49.4 (26.5)	29.3 (16.5)	41.4 (25.1)
<b>Anim. In Proc</b>	<b>Yes</b>	7.5** (3.2)	2.7** (1.5)	7.4** (3.4)	6.8** (3.3)	4.2** (3.1)	4.7* (2.9)	3.5** (3.1)	6.9** (2.5)	12.7** (4.7)	8.1** (4.6)	5.8* (3.5)	6.7** (4.1)
	<b>No</b>	9.3 (5.0)	3.6 (2.2)	11.2 (5.39)	8.9 (4.2)	7.1 (4.3)	5.7 (2.7)	5.0 (3.6)	8.1 (3.3)	16.7 (5.2)	11.3 (6.4)	6.4 (3.9)	9.3 (6.0)
<b>Dairy In Proc</b>	<b>Yes</b>	2.1** (1.2)	0.8** (0.5)	1.6** (1.1)	1.7** (1.2)	0.9** (1.0)	0.8 (0.8)	0.7** (0.8)	1.4** (0.8)	3.2** (1.6)	2.0** (1.5)	1.4* (1.1)	1.6** (1.3)
	<b>No</b>	2.8 (1.7)	1.0 (0.5)	2.8 (2.0)	2.8 (1.6)	1.6 (1.4)	1.0 (0.8)	1.2 (1.3)	1.7 (1.1)	4.7 (2.2)	3.2 (2.2)	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 8.90** 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 4): Do you ever eat less than you should because there is not enough money for 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	
<b>Total n [Yes (n); No (n)]</b>		341 (305; 36)	179 (76; 103)	149 (92; 57)	304 (199; 105)	141 (75; 66)	64 (45; 19)	331 (194; 137)	110 (72; 38)	66 (37; 29)	561 (333; 228)	1124 (762; 362)	1685 (1095; 590)
<b>Items In Inv.</b>	<b>Yes</b>	9.4* (6.8)	3.1** (2.1)	8.1 (5.4)	7.7** (5.2)	6.6** (5.2)	6.7** (3.8)	6.7** (4.4)	5.9** (4.9)	13.5** (8.1)	9.0** (7.0)	7.1** (5.2)	7.7** (5.8)
	<b>No</b>	11.8 (6.3)	6.0 (6.4)	9.6 (9.1)	13.6 (8.7)	12.3 (10.9)	10.4 (3.8)	10.9 (8.4)	8.6 (5.8)	20.9 (16.8)	12.5 (11.8)	10.0 (7.2)	11.0 (9.3)
<b>Anim. In Inv.</b>	<b>Yes</b>	0.8 (1.3)	0.4* (0.7)	1.2 (1.4)	0.7** (1.2)	1.2** (1.7)	0.6 (0.9)	1.0** (1.6)	0.6 (1.2)	1.7 (2.0)	1.2** (1.6)	0.7** (1.2)	0.9** (1.4)
	<b>No</b>	0.9 (1.3)	1.0 (1.9)	1.5 (2.7)	2.0 (2.1)	2.7 (3.1)	1.1 (1.1)	2.2 (2.5)	1.0 (1.5)	3.1 (4.1)	2.3 (3.2)	1.4 (1.8)	1.8 (2.5)
<b>Dairy In Inv.</b>	<b>Yes</b>	0.4 (0.6)	0.3 (0.5)	0.4 (0.7)	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)	0.3** (0.6)
	<b>No</b>	0.6 (0.8)	0.4 (0.6)	0.6 (1.0)	0.8 (0.9)	0.7 (0.9)	0.4 (0.5)	0.7 (1.1)	0.3 (0.6)	1.2 (1.8)	0.9 (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 8.91** The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 4a): Do you ever eat less than you should because there is not enough money for 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	
<b>Total n [Yes (n); No (n)]</b>		353 (266; 87)	201 (72; 129)	382 (164; 218)	427 (211; 216)	115 (57; 58)	126 (78; 48)	253 (129; 124)	121 (118; 103)	266 (119; 147)	1157 (508; 649)	1187 (706; 481)	2344 (1214; 1130)
<b>H/A</b>	<b>Yes</b>	-1.0 (1.4)	-1.6 (1.5)	-0.9 (1.5)	-0.9* (1.5)	-1.1 (1.9)	-1.2 (1.8)	-1.1 (1.3)	-1.2 (1.3)	-1.0** (1.2)	-1.0** (1.4)	-1.1 (1.5)	-1.1** (1.5)
	<b>No</b>	-0.8 (1.5)	-1.2 (1.4)	-0.9 (1.4)	-0.6 (1.5)	-1.1 (1.7)	-1.2 (1.7)	-1.1 (1.5)	-1.0 (1.4)	-0.3 (1.4)	-0.6 (1.5)	-1.1 (1.5)	-0.8 (1.5)
<b>W/A</b>	<b>Yes</b>	-0.4 (1.2)	-1.0 (1.1)	-0.6 (1.2)	-0.5** (1.1)	-0.1 (1.6)	-1.0 (1.4)	-1.1 (1.0)	-1.1 (1.0)	-0.8** (1.2)	-0.6** (1.2)	-0.8 (1.1)	-0.7** (1.2)
	<b>No</b>	-0.2 (1.2)	-0.7 (1.2)	-0.4 (1.3)	-0.2 (1.2)	-0.3 (1.2)	-1.1 (1.4)	-0.8 (1.2)	-1.0 (1.2)	-0.1 (1.3)	-0.3 (1.3)	-0.7 (1.2)	-0.5 (1.3)
<b>W/H</b>	<b>Yes</b>	0.3 (1.2)	0.0 (1.4)	0.1 (1.0)	0.1 (1.2)	0.8 (1.4)	-0.3 (1.3)	-0.5* (1.2)	-0.5 (0.9)	-0.2** (1.0)	0.1* (1.2)	-0.1 (1.2)	0.0** (1.2)
	<b>No</b>	0.5 (1.2)	0.0 (1.3)	0.3 (1.3)	0.3 (1.4)	0.6 (1.5)	-0.4 (1.5)	-0.1 (1.3)	-0.5 (1.1)	0.2 (1.2)	0.2 (1.4)	0.0 (1.3)	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 8.92** 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 4a): Do you ever eat less than you should because there is not enough money for 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	
<b>Total n [Yes (n); No (n)]</b>		396 (296; 100)	207 (76; 131)	399 (174; 225)	511 (240; 271)	133 (70; 63)	146 (86; 60)	281 (141; 140)	225 (121; 104)	295 (128; 167)	1264 (548; 716)	1329 (784; 545)	2593 (1332; 1261)
<b>Energy (kJ)</b>	<b>Yes</b>	4929** (2384)	3286** (2102)	3952* (1452)	5297* (2244)	4274 (2314)	3641 (2110)	4164 (1902)	4172** (1984)	5158** (1917)	4581** (2175)	4492* (2174)	4529** (2174)
	<b>No</b>	5740 (2381)	4289 (2010)	4411 (1828)	5683 (2129)	4528 (1926)	4092 (2382)	4159 (1983)	5373 (2702)	6502 (2383)	5332 (2377)	4786 (2186)	5096 (2312)
<b>Zinc (mg)</b>	<b>Yes</b>	4.0** (2.4)	3.0** (2.2)	4.0 (2.1)	4.9** (3.1)	4.3 (2.6)	4.0 (3.7)	4.6 (3.3)	4.0** (2.7)	5.2** (3.0)	4.5** (3.0)	4.1** (2.7)	4.3** (2.8)
	<b>No</b>	5.1 (3.0)	4.2 (2.6)	4.5 (2.6)	5.8 (2.9)	4.4 (2.4)	4.0 (3.1)	4.9 (3.7)	5.2 (3.0)	7.0 (3.9)	5.6 (3.3)	4.7 (2.9)	5.2 (3.2)
<b>Vit.A (RE)</b>	<b>Yes</b>	266** (639)	239** (548)	470* (1599)	310* (514)	720 (2640)	229 (482)	486 (645)	361 (992)	598** (1095)	512** (1466)	296 (634)	384** (1063)
	<b>No</b>	503 (987)	385 (990)	359 (857)	370 (1348)	181 (310)	453 (1227)	352 (508)	217 (405)	555 (625)	462 (883)	282 (992)	384 (936)
<b>Iron (mg)</b>	<b>Yes</b>	4.4** (3.1)	3.1** (2.5)	4.6** (4.2)	6.0 (4.0)	5.7 (3.8)	3.4 (2.8)	8.6 (6.9)	4.3** (2.9)	5.4** (3.3)	4.8** (3.9)	5.5 (4.4)	5.2** (4.2)
	<b>No</b>	5.7 (3.6)	4.3 (3.3)	5.3 (3.1)	6.3 (4.1)	4.5 (3.1)	4.1 (2.9)	7.4 (6.6)	5.8 (4.3)	7.7 (3.6)	6.3 (4.0)	5.5 (4.4)	6.0 (4.2)
<b>Vit.C (mg)</b>	<b>Yes</b>	19.0** (29.1)	16.0 (24.1)	22.2 (38.5)	37.1 (97.7)	28.2 (73.0)	29.8 (97.4)	14.0 (25.8)	26.6 (56.6)	38.7** (43.5)	30.8** (73.5)	22.2 (48.4)	25.7** (60.2)
	<b>No</b>	29.4 (43.6)	20.9 (41.1)	36.7 (69.9)	69.2 (351)	16.8 (21.9)	27.4 (72.2)	19.5 (40.3)	42.0 (110)	61.5 (78.5)	43.9 (90.0)	39.2 (243)	41.8 (174)
<b>Ca<sup>++</sup> (mg)</b>	<b>Yes</b>	309** (382)	217** (237)	243 (212)	323** (340)	212 (184)	187 (177)	282 (307)	229 (182)	341** (249)	281** (253)	275** (321)	278** (295)
	<b>No</b>	393 (295)	301 (234)	274 (218)	387 (334)	223 (196)	204 (183)	236 (204)	261 (211)	549 (398)	372 (323)	288 (251)	335 (297)

Ca<sup>++</sup> = Calcium

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

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

**Table 8.93** 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 4a): Do you ever eat less than you should because there is not enough money for 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	
<b>Total n</b> [ Yes (n); No (n) ]		399 (297; 102)	207 (76; 131)	344 (150; 194)	508 (240; 268)	133 (70; 63)	150 (87; 63)	284 (143; 141)	223 (120; 103)	295 (128; 167)	1222 (530; 692)	1621 (781; 540)	2543 (1311;1232)
<b>Items In Proc</b>	<b>Yes</b>	33.8** (10.5)	13.6* (6.4)	30.7** (12.0)	33.0** (13.2)	17.4** (12.3)	21.5* (10.5)	15.5 (11.0)	31.1** (9.7)	55.5** (17.3)	35.1** (18.1)	27.1 (13.8)	30.3** (16.1)
	<b>No</b>	38.4 (14.5)	16.8 (8.2)	40.6 (19.0)	40.0 (16.3)	26.9 (14.4)	25.3 (11.9)	17.5 (12.2)	36.6 (11.7)	71.7 (20.4)	44.9 (24.1)	28.1 (16.0)	37.5 (16.2)
<b>Anim. In Proc</b>	<b>Yes</b>	7.4* (3.1)	2.8** (1.6)	7.3** (3.3)	6.7** (3.4)	3.9** (3.0)	4.7 (2.6)	3.7 (3.3)	6.8** (2.5)	12.3** (4.6)	7.9** (4.5)	5.8 (3.4)	6.7** (4.0)
	<b>No</b>	8.5 (4.1)	3.5 (2.1)	9.7 (4.8)	8.4 (4.0)	6.3 (3.6)	5.2 (3.1)	4.3 (3.5)	8.0 (3.4)	16.4 (5.0)	10.2 (5.9)	6.1 (3.7)	8.4 (5.5)
<b>Dairy In Proc</b>	<b>Yes</b>	2.0** (1.2)	0.8** (0.5)	1.4** (1.0)	1.6** (1.2)	0.9* (0.9)	0.9 (0.8)	0.7* (0.8)	1.4 (1.1)	3.0** (1.6)	1.9** (1.5)	1.3 (1.1)	0.6** (1.3)
	<b>No</b>	2.6 (1.5)	1.0 (0.5)	2.4 (1.6)	2.6 (1.6)	1.3 (1.1)	0.9 (0.8)	1.1 (1.2)	1.6 (1.1)	4.6 (2.2)	2.8 (2.0)	1.5 (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 8.94** 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 4a): Do you ever eat less than you should because there is not enough money for 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	
<b>Total n</b> [ Yes (n); No (n) ]		334 (254; 80)	179 (67; 112)	149 (72; 77)	297 (168; 129)	124 (67; 57)	64 (33; 31)	273 (137; 136)	111 (58; 53)	54 (32; 22)	533 (267; 266)	1052 (621; 431)	1585 (888; 697)
<b>Items In Inv.</b>	<b>Yes</b>	8.9** (6.6)	3.1** (2.0)	7.6 (5.1)	7.1** (4.6)	6.3** (4.9)	6.8* (3.8)	6.7** (4.7)	5.8* (4.6)	13.1** (8.6)	8.4** (6.7)	6.9** (5.1)	7.4** (5.7)
	<b>No</b>	12.1 (7.1)	5.8 (6.2)	8.9 (5.5)	13.1 (8.3)	11.0 (7.5)	9.0 (4.2)	9.3 (7.5)	7.8 (5.9)	22.7 (18.5)	11.5 (10.0)	9.4 (6.8)	10.2 (8.2)
<b>Anim. In Inv.</b>	<b>Yes</b>	0.7* (1.2)	0.4* (0.6)	1.2 (1.5)	0.6** (1.0)	1.0** (1.6)	0.5 (0.9)	1.0** (1.6)	0.6 (1.3)	1.6 (2.2)	1.1** (1.6)	0.7** (1.2)	0.7** (1.3)
	<b>No</b>	1.1 (1.4)	0.9 (1.9)	1.3 (1.5)	1.8 (2.1)	2.5 (2.2)	0.9 (1.1)	1.9 (2.3)	0.9 (1.4)	3.4 (4.6)	1.9 (2.6)	1.3 (1.7)	1.5 (2.1)
<b>Dairy In Inv.</b>	<b>Yes</b>	0.3 (0.6)	0.2* (0.4)	0.3 (0.6)	0.4** (0.6)	0.3 (0.6)	0.2 (0.5)	0.3** (0.5)	0.3 (0.7)	0.4* (2.0)	0.4** (0.6)	0.3** (0.6)	0.3** (0.6)
	<b>No</b>	0.5 (0.7)	0.4 (0.6)	0.5 (0.8)	0.7 (0.9)	0.5 (0.7)	0.3 (0.5)	0.6 (1.0)	0.3 (0.5)	1.3 (2.0)	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 8.95** The anthropometric status in relation to the interviewee's response (Yes/No) to the Hunger Scale Questionnaire: South Africa 1999 [(Question 4b): Do you ever eat less than you should because there is not enough money for 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	
<b>Total n [Yes (n); No (n)]</b>		357 (241; 116)	202 (70; 132)	375 (144; 231)	427 (161; 266)	114 (55; 59)	125 (73; 52)	262 (137; 125)	220 (114; 106)	261 (87; 174)	1152 (428; 724)	1191 (654; 537)	2343 (1082; 1261)
<b>H/A</b>	<b>Yes</b>	-1.0 (1.4)	-1.6 (1.5)	-0.9 (1.4)	-0.9 (1.5)	-1.3 (1.8)	-1.5 (1.7)	-0.1 (1.3)	-1.3 (1.2)	-0.9** (1.2)	-1.0** (1.4)	-1.1 (1.5)	-1.1** (1.5)
	<b>No</b>	-0.9 (1.5)	-1.2 (1.4)	-0.8 (1.5)	-0.7 (1.5)	-0.8 (1.8)	-0.9 (1.8)	-1.2 (1.5)	-1.0 (1.4)	-0.5 (1.4)	-0.6 (1.5)	-1.1 (1.5)	-0.8 (1.5)
<b>W/A</b>	<b>Yes</b>	-0.3 (1.2)	-1.0 (1.1)	-0.5 (1.1)	-0.5** (1.1)	-0.3 (1.5)	-1.4* (1.2)	-1.0 (1.0)	-1.2 (1.0)	-0.8** (1.2)	-0.6** (1.2)	-0.8 (1.1)	-0.7** (1.2)
	<b>No</b>	-0.3 (1.2)	-0.8 (1.2)	-0.4 (1.3)	-0.2 (1.2)	-0.2 (1.3)	-0.7 (1.5)	-0.9 (1.2)	-0.9 (1.2)	-0.2 (1.3)	-0.3 (1.3)	-0.7 (1.2)	-0.5 (1.3)
<b>W/H</b>	<b>Yes</b>	0.4 (1.2)	0.0 (1.4)	0.1 (1.1)	0.0 (1.2)	0.8 (1.4)	-0.6 (1.2)	-0.5* (1.2)	-0.5 (0.9)	-0.3** (0.9)	0.0* (1.2)	-0.1 (1.2)	0.0* (1.2)
	<b>No</b>	0.3 (1.2)	0.0 (1.2)	0.2 (1.3)	0.3 (1.3)	0.6 (1.5)	-0.1 (1.5)	-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 8.96** 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 4b): Do you ever eat less than you should because there is not enough money for 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	
<b>Total n [Yes (n); No (n)]</b>		398 (270; 128)	208 (74; 134)	392 (153; 239)	411 (182; 329)	131 (64; 67)	144 (82; 62)	292 (153; 139)	224 (117; 107)	288 (92; 196)	1257 (461; 796)	1331 (726; 605)	9558 (1187; 1401)
<b>Energy (kJ)</b>	<b>Yes</b>	4878** (2406)	3161** (2048)	3928* (1456)	5267* (2246)	3910** (2044)	3826 (2148)	4025 (1907)	4413* (2213)	5292** (2056)	4532** (2241)	4414** (2167)	4460** (2196)
	<b>No</b>	5521 (2209)	4341 (2001)	4412 (1808)	5631 (2151)	4948 (2331)	3916 (2359)	4365 (1928)	5091 (2582)	6280 (2387)	5302 (2339)	4846 (2153)	5105 (2271)
<b>Zinc (mg)</b>	<b>Yes</b>	4.0** (2.5)	2.9** (2.2)	4.0 (2.1)	4.6** (2.7)	3.9* (2.2)	4.3 (3.5)	4.5* (3.2)	4.2 (2.8)	5.5** (3.2)	4.8** (2.9)	4.1** (2.7)	4.2** (2.8)
	<b>No</b>	4.8 (2.8)	4.2 (2.6)	4.5 (2.6)	5.8 (3.1)	5.0 (2.8)	3.9 (3.4)	5.2 (3.6)	4.9 (3.0)	6.6 (3.7)	5.5 (3.4)	4.7 (2.9)	5.2 (3.2)
<b>Vit.A (RE)</b>	<b>Yes</b>	228** (406)	237** (552)	499* (1698)	311* (558)	468 (1552)	377 (1018)	545** (816)	308 (825)	587* (1088)	487** (1298)	305 (665)	376** (965)
	<b>No</b>	533 (1157)	383 (980)	320 (641)	359 (1231)	474 (2285)	376 (992)	358 (543)	279 (732)	576 (744)	493 (1102)	280 (941)	401 (1040)
<b>Iron (mg)</b>	<b>Yes</b>	4.4* (3.1)	3.1** (2.5)	4.5** (4.4)	5.7* (3.7)	5.1 (3.6)	3.7 (2.9)	8.9 (7.3)	4.6 (3.4)	5.8** (3.6)	4.8** (3.9)	5.5 (4.8)	5.2** (4.5)
	<b>No</b>	5.2 (3.4)	4.3 (3.2)	5.4 (3.1)	6.5 (4.2)	5.2 (3.5)	3.9 (2.9)	7.4 (5.9)	5.4 (4.0)	7.3 (3.7)	6.2 (4.0)	5.5 (4.1)	5.9 (4.1)
<b>Vit.C (mg)</b>	<b>Yes</b>	18.2** (28.3)	15.7 (24.0)	23.9 (42.8)	30.3 (44.9)	17.3 (36.6)	29.0 (86.0)	14.8 (36.9)	34.8 (87.6)	46.4 (50.2)	29.9** (56.9)	21.5* (45.5)	24.7** (50.4)
	<b>No</b>	26.9 (39.7)	21.0 (40.7)	34.8 (67.3)	67.2 (327)	30.5 (74.4)	30.7 (92.3)	19.3 (30.2)	32.7 (84.3)	56.7 (74.9)	43.8 (96.2)	38.1 (232)	41.4 (169)
<b>Ca<sup>++</sup> (mg)</b>	<b>Yes</b>	305** (389)	217** (241)	247 (214)	317** (352)	200 (159)	208 (182)	285 (298)	241 (198)	312** (216)	268** (240)	277** (324)	273** (294)
	<b>No</b>	380 (296)	300 (232)	272 (219)	378 (329)	242 (219)	181 (173)	238 (216)	247 (196)	526 (286)	369 (319)	288 (256)	334 (296)

Ca<sup>++</sup> = Calcium

\*Wilcoxon test for two samples; significant for P&lt;0.05

\*\*Wilcoxon test for two samples; significant for P&lt;0.01

**Table 8.97** 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 4b): Do you ever eat less than you should because there is not enough money for 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	
<b>Total n [Yes (n); No (n)]</b>		401 (271; 130)	208 (74; 134)	339 (131; 208)	508 (184; 324)	130 (64; 66)	148 (82; 66)	295 (155; 140)	222 (115; 107)	288 (92; 196)	1217 (444; 773)	1322 (724; 598)	2539 (1168; 1371)
<b>Items In Proc</b>	<b>Yes</b>	33.3** (10.7)	13.4** (6.2)	30.1** (12.2)	32.9** (12.9)	15.1** (9.4)	21.2* (11.2)	14.9** (10.3)	30.5** (9.4)	52.5** (15.8)	33.0** (17.0)	25.9** (13.5)	28.6** (15.3)
	<b>No</b>	38.4 (13.2)	16.9 (8.2)	40.1 (18.5)	38.8 (16.1)	28.4 (15.2)	25.0 (10.9)	18.7 (12.0)	37.0 (11.7)	69.7 (20.1)	44.6 (23.5)	29.2 (15.4)	37.9 (21.8)
<b>Anim. In Proc</b>	<b>Yes</b>	7.3** (3.2)	2.8* (1.6)	7.1** (3.3)	6.7** (3.3)	3.4** (2.5)	4.7 (2.9)	3.5** (3.1)	6.6** (2.5)	11.7** (4.5)	7.4** (4.3)	5.5** (3.4)	6.3** (3.9)
	<b>No</b>	8.6 (3.7)	3.5 (2.1)	9.6 (4.7)	8.2 (4.0)	6.6 (3.6)	5.3 (2.9)	4.6 (3.5)	8.2 (3.3)	15.9 (4.9)	10.2 (5.8)	6.3 (3.7)	8.5 (5.3)
<b>Dairy In Proc</b>	<b>Yes</b>	2.0** (1.2)	0.8** (0.5)	1.4** (1.0)	1.6** (1.1)	0.7** (0.8)	0.9 (0.7)	0.7* (0.8)	1.3** (0.8)	2.9** (1.6)	1.8** (1.4)	1.3** (1.0)	1.5** (1.2)
	<b>No</b>	2.6 (1.4)	1.0 (0.5)	2.3 (1.5)	2.5 (1.6)	1.4 (1.2)	0.9 (0.9)	1.0 (1.2)	1.7 (1.1)	4.4 (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 8.98** 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 4b): Do you ever eat less than you should because there is not enough money for 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	
<b>Total n [Yes (n); No (n)]</b>		338 (234; 104)	180 (64; 116)	147 (65; 82)	297 (129; 168)	121 (62; 59)	63 (36; 27)	284 (148; 136)	110 (58; 52)	49 (22; 27)	538 (238; 300)	1051 (580; 471)	1589 (818; 771)
<b>Items In Inv.</b>	<b>Yes</b>	8.8** (6.6)	3.2** (2.1)	7.3** (5.2)	6.5** (4.3)	6.2** (4.7)	6.4** (3.6)	6.4** (4.3)	5.5* (4.0)	10.7** (6.3)	8.1** (6.6)	6.5** (4.7)	7.0** (5.3)
	<b>No</b>	11.7 (6.7)	5.7 (6.1)	9.1 (5.3)	12.2 (7.8)	10.8 (7.5)	9.9 (4.1)	9.9 (7.6)	8.2 (6.3)	22.3 (16.7)	11.4 (9.6)	9.6 (6.7)	10.3 (8.0)
<b>Anim. In Inv.</b>	<b>Yes</b>	0.7 (1.2)	0.5 (0.7)	1.0 (1.4)	0.5** (0.9)	1.0** (1.6)	0.5 (0.7)	1.0** (1.4)	0.4 (0.7)	1.0** (1.3)	1.0** (1.5)	0.6** (1.0)	0.7** (1.2)
	<b>No</b>	1.0 (1.3)	0.9 (1.8)	1.3 (1.5)	1.6 (2.0)	2.5 (2.1)	1.1 (1.2)	2.0 (2.4)	1.1 (1.8)	3.3 (4.2)	1.9 (2.5)	1.3 (1.7)	1.5 (2.1)
<b>Dairy In Inv.</b>	<b>Yes</b>	0.3 (0.6)	0.3 (0.5)	0.3 (0.6)	0.3** (0.5)	0.3 (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)
	<b>No</b>	0.5 (0.7)	0.4 (0.5)	0.5 (0.8)	0.6 (0.8)	0.5 (0.7)	0.4 (0.6)	0.6 (1.0)	0.3 (0.7)	1.2 (1.8)	0.7 (1.1)	0.5 (0.7)	0.5 (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