Data supplement

Table DS1 General characteristics of the sample					
	n (%)				
	Peru – urban (*n* = 1381)	Peru – rural (*n* = 552)	Mexico – urban (*n* = 1002)	Mexico – rural (*n* = 1000)	Venezuela (*n* = 1951)
Age, years					
65–69	375 (27.2)	179 (32.4)	245 (24.4)	299 (29.9)	860 (44.1)
70–74	352 (25.5)	141 (25.5)	329 (32.8)	252 (25.2)	461 (23.6)
75–79	298 (21.6)	101 (18.3)	205 (20.5)	221 (22.1)	340 (17.4)
80+	355 (25.7)	131 (23.7)	223 (22.3)	228 (22.8)	290 (14.9)
Gender, female	888 (64.3)	295 (53.4)	665 (66.4)	602 (60.2)	1252 (64.2)
Marital status					
Single	145 (10.6)	68 (12.3)	63 (6.3)	42 (4.2)	189 (9.7)
Married	784 (57.2)	308 (55.9)	470 (46.9)	538 (53.8)	985 (48.2)
Widow	367 (26.8)	157 (28.5)	394 (39.4)	371 (37.1)	548 (28.3)
Separated/divorced	75 (5.5)	18 (3.3)	75 (7.5)	48 (4.8)	267 (13.8)
Education level					
None	37 (2.7)	84 (15.4)	227 (22.7)	327 (32.7)	156 (8.0)
Minimal	90 (6.5)	141 (25.9)	353 (35.4)	510 (51.0)	450 (23.2)
Primary completed	460 (33.5)	267 (49.1)	229 (22.9)	122 (12.2)	973 (50.1)
Secondary completed	481 (35.0)	36 (6.6)	99 (9.9)	25 (2.5)	269 (13.8)
Tertiary	305 (22.2)	16 (2.9)	92 (9.2)	16 (1.6)	96 (4.9)
Receives any income	1012 (74.4)	388 (70.8)	858 (85.5)	682 (68.3)	1413 (74.8)
Receives any pension	908 (65.7)	357 (64.7)	729 (72.7)	254 (25.4)	1153 (59.1)
Assets, *n*					
0–2	5 (0.4)	38 (6.9)	12 (1.2)	213 (21.3)	35 (1.8)
3–5	61 (4.4)	343 (62.1)	150 (15.0)	518 (51.8)	9 (0.5)
6+	1315 (95.2)	171 (31.0)	840 (83.8)	269 (26.9)	1907 (97.7)
Food insecurity	63 (4.6)	74 (13.5)	39 (3.9)	85 (8.6)	111 (5.9)
Plumbed bathroom in the household	1375 (99.6)	399 (72.4)	887 (88.6)	351 (35.1)	1913 (99.7)
Contact with family, never/less than monthly	67 (5.4)	44 (8.6)	80 (8.5)	55 (5.9)	140 (7.6)
Contact with friends, never/less than monthly	451 (32.8)	72 (13.1)	565 (56.4)	597 (59.8)	541 (28.1)
Limiting physical impairments					
0	607 (44.0)	280 (50.8)	453 (45.2)	382 (38.2)	756 (38.7)
1–2	549 (39.8)	231 (41.9)	392 (39.0)	433 (43.3)	703 (36.0)
3 +	224 (16.2)	40 (7.3)	158 (15.8)	185 (18.5)	492 (25.2)
Past depression	479 (34.9)	86 (15.6)	181 (18.1)	148 (14.8)	264 (13.6)
Stroke	112 (8.2)	20 (3.6)	67 (6.7)	74 (7.4)	137 (7.1)
10/66 dementia	121 (8.8)	37 (6.7)	104 (10.4)	111 (11.1)	119 (6.1)

Table DS2 Prevalence of depression in each location, according to different criteria, stratified by age and gender												
	ICD–10 depressive episode prevalence, % (95% CI)			DSM–IV major depression prevalence, % (95% CI)			GMS–AGECAT depression prevalence, % (95% CI)			EURO–D depression prevalence, % (95% CI)		
Age groups	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total
Peru – urban												
65–69	5.3 (2.5–8.0)	3.6 (0–7.1)		2.3 (0.5–4.1)	2.7 (0–5.7)		35.4 (29.5–41.2)	17.8 (10.7–25)		25.9 (20.6–31.3)	20.9 (13.3–28.5	
70–74	8.2 (4.5–11.8)	1.5 (0–3.6)		1.8 (0–3.6)	0.7 (0–2.2)		38.2 (31.7–44.6)	20.4 (13.5–27.4)		34.9 (28.6–41.1)	17.7 (11.0–24.3)	
75–79	10.0 (5.7–14.3)	4.6 (0.6–8.6)		2.6 (0.3–4.9)	0.9 (0–2.8		35.2 (28.3–42.2)	25.9 (17.5–34.3)		40.2 (33.0–47.4)	23.1 (15.1–31.2)	
80 +	7.5 (3.9–11.0)	6.4 (2.3–10.5)		3.3 (0.9–5.7)	2.8 (0–5.6)		30.8 (24.5–37.1)	21.3 (14.3–28.2)		33.2 (26.5–34.9	28.5 (20.5–36.4)	
Total	7.5 (58–9.3)	4.1 (2.3–5.8)	6.3 (5.0–7.6)	2.5 (1.5–3.5)	1.8 (0.6–3.0)	2.2 (1.5–3.0)	34.9 (31.7–38.1)	21.3 (17.6–25.0)	30.0(27.6–32.5)	33.0 (29.7–36.1)	22.6 (18.8–26.4)	29.2 (26.7–31.7)
Peru – rural												
65–69	1.0 (0–3.0)	2.5 (0–6.1)		0	1.3 (0–3.9)		43.0 (33.1–52.9)	21.5 (12.2–30.8)		28.0 (19.0–36.9)	17.7 (9.1–26.3)	
70–74	6.0 (0.8–11.3)	6.9 (0.1–13.6)		1.2 (0–3.6)	3.4 (0–8.3)		45.8 (34.6–56.9)	25.9 (14.2–37.5)		32.5 (22.1–42.9)	22.4 (11.3–33.5)	
75–79	1.9 (0–5.7)	2.1 (0–6.3)		1.9 (0–5.7)	2.1 (0–6.3)		45.3 (31.4–59.1)	33.3 (19.5–47.2)		35.8 (22.5–49.2)	20.8 (8.9–32.7)	
80 +	1.7 (0–5.1)	1.4 (0–4.2)		1.7 (0–5.1)	1.4 (0–4.2)		45.8 (32.7–58.8)	25 (14.7–35.2)		32.1 (19.5–44.8)	21.1 (11.4–30.8)	
Total	2.7 (0.8–4.6)	3.1 (1.0–5.2)	2.9 (1.5–4.3)	1.0 (0.1–2.2)	1.9 (0.2–3.6)	1.4 (0.4–2.4)	44.7 (39.0–50.5)	25.7 (20.3–31.1)	35.9 (31.71–40.0)	31.5 (26.1–36.9)	20.3 (15.3–25.3)	26.3 (22.5–30.0)
Mexico – urban												
65–69	4.3 (1.4–7.3)	0		0.5 (0–1.6)	0		35.1 (28–42.2)	16.7 (6.9–26.4)		28.6 (22.0–35.3)	18.3 (8.2–28.4)	
70–74	5.2 (2.2–8.2)	4.2 (0.5–7.9)		0.9 (0–2.3)	0.8 (0–2.5)		37 (30.3–43.6)	16.9 (10.1–23.8)		39.0 (32.3–45.7)	20.5 (13.1–27.9)	
75–79	6.3 (2–10.7)	2.5 (0–6.1)		4 (0.5–7.4)	0		35.7 (27.3–44.1)	26.6 (16.6–36.5)		38.1 (29.4–46.7)	26.6 (16.6–36.5)	
80 +	7.7 (3.3–12.1)	2.5 (0–6.0)		2.8 (0–5.5)	0		41.9 (33.7–50.2)	26.2 (16.5–36)		36.9 (28.9–45.0)	26.2 (16.5–40.0)	
Total	5.7 (3.9–7.5)	2.7 (0.9–4.4)	4.7 (3.4–6.0)	1.8 (0.8–2.8)	0.3 (0.0–0.9)	1.3 (0.6–2.0)	37.3 (33.5–41.1)	21.4 (17.0–25.8)	31.9 (28.9–34.9)	35.5 (31.8–39.2)	22.9 (18.4–27.4)	31.2 (28.3–34.2)
Mexico – rural												
65–69	5.6 (2.3–8.8)	2 (0–4.7)		1.5 (0–3.2)	0		43.6 (36.6–50.7)	16.7 (9.3–24.0)		34.3 (27.6–41.1)	13.7 (6.9–20.5)	
70–74	4.7 (1.3–8.1)	2.9 (0–6.2)		0.7 (0–2.0)	0		38.9 (31–46.8)	24.3 (15.9–32.6)		35.6 (27.8–43.3)	11.8 (5.4–18.1)	
75–79	3.0 (0.1–5.9)	3.4 (0–7.4)		3.0 (0–5.9)	0		35.1 (26.8–43.3)	24.1 (15–33.3)		29.4 (21.4–37.4)	20.9 (12.1–29.7)	
80 +	6.5 (2.1–11.0)	6.6 (1.8–11.4)		2.4 (0–5.2)	1.9 (0–5.5)		37.7 (28.9–46.5)	20.7 (12.9–28.6)		30.8 (22.5–39.2)	18.3 (10.7–25.8)	
Total	5.0 (3.2–6.8)	3.8 (1.9–5.6)	4.5 (3.1–5.9)	1.8 (0.7–2.9)	0.5 (0.0–1.2)	1.3 (0.6–2.0)	39.4 (35.4–43.3)	21.4 (17.3–25.4)	32.2 (29.2–35.2)	32.9 (29.1–36.7)	16.0 (12.3–19.6)	26.1 (23.3–28.9
Venezuela												
65–69	4.7 (2.9–6.6)	3.6 (1.5–5.7)		2.7 (1.3–4.2)	1.6 (0.2–3.1)		33.8 (29.7–37.9)	22.4 (17.7–27.2)		31.0 (27.0–35.1)	19.2 (14.7–23.7)	
70–74	7.7 (4.6–10.8)	4.0 (1.01–6.9)		3.1 (1.1–5.2)	1.1 (0–2.7)		37.4 (31.8–43.0)	27.4 (20.6–34.2)		33.8 (28.3–39.3)	26.3 (19.7–32.8)	
75–79	6.0 (2.8–9.2)	3.2 (0–6.4)		3.7 (1.2–6.2)	1.6 (0–3.9)		41.7 (35–48.3)	20.2 (13–27.3)		33.5 (27.1–39.8)	21.1 (13.8–28.4)	
80 +	5.9 (2.6–9.2)	4.6 (0.1–9.1)		6.4 (3–9.8)	1.1 (0–3.4)		35.5 (28.8–42.1)	20.7 (12–29.4)		36.9 (30.1–43.6)	24.7 (15.3–34.1)	
Total	5.8 (4.5–7.1)	3.7 (2.3–5.1)	5.1 (4.1–6.0)	3.6 (2.6–4.6)	1.4 (0.5–2.3)	2.8 (2.1–3.5)	36.3 (33.6–38.9)	23.0 (19.9–26.2)	31.5 (29.4–33.7)	33.1 (30.5–35.7)	22.0 (18.9–25.1)	29.1 (27.1–31.2)

EURO–D symptoms	No depression	Subsyndromal depression	ICD–10 depression
1 Depression, *n* (%)	1973 (18.4)	2706 (87.1)	788 (87.9)
2 Pessimism, *n* (%)	1002 (9.4)	1758 (56.7)	603 (67.3)
3 Wishing death, *n* (%)	286 (2.7)	1025 (33.1)	419 (46.7)
4 Guilt, *n* (%)	183 (1.7)	399 (12.9)	141 (15.8)
5 Sleep, *n* (%)	1592 (14.9)	1949 (63.0)	708 (78.9)
6 Loss of interest, *n* (%)	222 (2.1)	669 (21.6)	498 (55.5)
7 Irritability, *n* (%)	1417 (13.2)	1599 (51.5)	453 (50.5)
8 Loss of appetite, *n* (%)	461 (4.3)	922 (29.7)	443 (49.3)
9 Fatigue, *n* (%)	1582 (14.7)	1731 (55.9)	789 (88.2)
10 Concentration, *n* (%)	741 (7.8)	930 (34.7)	431 (57.2)
11 Enjoyment, *n* (%)	173 (1.6)	569 (18.4)	482 (53.8)
12 Tearfulness, *n* (%)	1230 (11.5)	2128 (68.5)	654 (72.8)
Total score, mean (s.d.)[a]	1.0 (1.1)	5.3 (1.4)	7.1 (1.8)
Total score, range	0–3	4–12	3–12

Table DS3 Frequency of EURO–D symptoms according to depression status

a. $P < 0.001$ ANOVA.