Data supplement

Table DS1 The accuracy of predicted depression prevalence as compared with measured prevalence data

					Predicted depression prevalence				
	n	BDI, mean	Depression prevalence,[a] %	Mean BDI model, %	Difference, % (s.d.)	Beta model, %	Difference, % (s.d.)	Beta model cut-off 16/17, %	Difference, % (s.d.)
Norway									
Urban males, aged 18–40	362	5.2	6.7	5.8	−0.9	5.6	−1.0	6.1	−0.6
Urban males, aged 41–65	306	6.0	9.4	7.6	−1.9	7.1	−2.3	7.7	−1.8
Urban females, aged 18–40	450	6.6	9.0	8.8	−0.2	8.3	−0.7	8.9	−0.2
Urban females, aged 41–65	331	6.8	12.0	9.3	−2.6	8.8	−3.2	9.4	−2.5
Rural males, aged 18–40	377	4.2	4.7	3.5	−1.1	4.1	−0.6	4.4	−0.3
Rural males, aged 41–65	388	4.9	7.5	5.2	−2.3	5.2	−2.3	5.6	−1.9
Rural females, aged 18–40	417	5.4	7.4	6.2	−1.3	5.9	−1.5	6.4	−1.0
Rural females, aged 41–65	402	5.5	6.3	6.6	0.2	6.3	−0.1	6.7	0.4
UK									
Urban males, aged 18–40	185	7.9	11.9	11.9	0.0	11.6	−0.2	12.4	0.5
Urban males, aged 41–65	215	9.7	15.2	15.6	0.5	16.6	1.5	17.6	2.4
Urban females, aged 18–40	239	8.7	12.7	13.5	0.9	13.7	1.0	14.6	1.9
Urban females, aged 41–65	245	10.7	20.6	17.9	−2.7	20.2	−0.4	21.3	0.7
Rural males, aged 18–40	250	6.0	6.4	7.6	1.2	7.1	0.8	7.7	1.3
Rural males, aged 41–65	325	6.6	6.6	8.9	2.3	8.4	1.8	9.0	2.4
Rural females, aged 18–40	250	7.2	8.9	10.3	1.4	9.8	0.9	10.5	1.6
Rural females, aged 41–65	365	7.0	7.1	9.8	2.7	9.3	2.2	10.0	2.8
Finland									
Urban males, aged 18–40	224	4.7	4.9	4.6	−0.3	4.8	−0.1	5.2	0.3
Urban males, aged 41–65	184	6.3	5.9	8.3	2.5	7.8	2.0	8.4	2.5
Urban females, aged 18–40	270	5.9	7.7	7.3	−0.4	6.9	−0.8	7.5	−0.3
Urban females, aged 41–65	278	7.4	10.3	10.7	0.4	10.3	0.0	11.0	0.7
Rural males, aged 18–40	205	4.0	2.4	3.2	0.8	3.9	1.5	4.2	1.8
Rural males, aged 41–65	267	6.0	6.5	7.5	1.0	7.1	0.6	7.6	1.1
Rural females, aged 18–40	227	6.0	6.7	7.6	0.9	7.2	0.5	7.7	1.0
Rural females, aged 41–65	281	7.0	10.8	9.8	−1.1	9.3	−1.6	9.9	−0.9
Ireland									
Urban males, aged 18–40	45	7.7	12.4	11.3	−1.1	11.0	−1.5	11.7	−0.7
Urban males, aged 41–65	56	9.3	11.9	14.7	2.9	15.4	3.5	16.3	4.4
Urban females, aged 18–40	59	8.8	12.3	13.7	1.5	14.0	1.7	14.9	2.6
Urban females, aged 41–65	47	12.7	28.2	22.3	−5.9	27.9	−0.3	29.2	1.0
Rural males, aged 18–40	61	6.2	3.8	7.9	4.1	7.5	3.7	8.0	4.2
Rural males, aged 41–65	51	9.4	10.6	15.0	4.4	15.7	5.1	16.7	6.0
Rural females, aged 18–40	76	7.6	8.0	11.2	3.2	10.8	2.8	11.5	3.5
Rural females, aged 41–65	59	7.9	12.5	11.8	−0.7	11.5	−1.0	12.2	−0.2
Spain									
Urban males, aged 18–40	326	2.0	1.0	0.0	−1.0	1.6	0.6	1.8	0.8
Urban males, aged 41–65	299	3.0	2.4	1.0	−1.5	2.6	0.2	2.9	0.4
Urban females, aged 18–40	325	3.1	2.0	1.2	−0.8	2.7	0.7	3.0	1.0
Urban females, aged 41–65	299	4.5	8.3	4.2	−4.0	4.5	−3.8	4.9	−3.4
Total/average									
Total index populations (Norway, UK, Finland)	7043				0.0 (1.5)		−0.1 (1.4)		0.5 (1.5)
Total test populations (Ireland, Spain)	1703				0.1 (3.2)		1.0 (2.5)		1.6 (2.5)
Total overall	8746				0.0 (2.2)		0.3 (1.9)		0.9 (1.9)

BDI, Beck Depression Inventory.
a. Defined as being diagnosed, based on the SCAN interview in phase two of the ODIN study, with one or more of the following: ICD–10 codes F31–34, F43.2; DSM–IV codes 293.83, 296.xx, 300.4, 309.xx, V62.83.