

Data supplement

	Total		Refugees in Germany		Refugees in Italy		Refugees in the UK	
	n	%	n	%	n	%	n	%
Serious accident, fire or explosion	45	5.3	17	6.7	11	3.7	17	5.6
Natural disaster	12	1.4	3	1.2	5	1.7	4	1.3
Non-sexual assault by someone they knew	137	16.0	65	25.6	24	8.2	48	15.9
Non-sexual assault by stranger	315	36.9	132	52.0	55	18.7	128	42.4
Sexual assault by someone they knew	13	1.5	7	2.8	2	0.7	4	1.3
Sexual assault by stranger	31	3.6	25	9.8	2	0.7	4	1.3
Imprisonment	166	19.4	61	24.0	24	8.1	81	26.8
Life-threatening illness	31	3.6	17	6.7	5	1.7	9	3.0
Sudden death of a dear person	99	11.6	30	11.9	25	8.4	44	14.6
Lack of food or water	454	53.2	141	55.5	128	43.8	185	61.3
Ill without access to medical care	184	21.5	80	31.5	29	9.8	75	24.8
Lack of shelter	549	64.3	173	68.1	214	72.5	162	53.6
Expelled from home under threat	402	47.1	150	59.1	56	18.9	196	65.1
Combat	192	22.5	53	20.9	80	26.9	59	19.5
Shelling or bombardment	725	84.9	217	85.1	277	93.6	231	76.7
Mine explosion	81	9.5	25	11.6	17	5.9	39	13.7
Siege	506	59.3	170	66.9	146	49.3	190	62.9
Serious injury	91	10.7	30	11.8	21	7.1	40	13.2
Witnessed murder or death	422	49.4	163	64.2	108	37.9	151	50.0
Learned about murder or death of a dear person	502	58.8	144	58.5	149	52.3	209	69.2
Disappearance or kidnapping of a dear person	304	35.6	85	33.7	75	25.3	144	47.7
Torture	202	23.8	93	36.6	22	7.5	87	28.9
Being lost	160	18.7	62	24.9	38	12.9	60	19.9
Kidnapped	147	17.2	51	20.1	18	6.1	78	25.8
Separated from family for long time	443	52.3	86	34.5	191	64.3	166	55.0
Difficult to get work permit	359	42.4	196	78.7	127	42.8	36	11.9
Difficult to find work in own profession	430	50.8	188	75.5	146	49.2	96	31.8
Inadequate accommodation for long time	448	52.9	181	72.7	143	48.1	124	41.1
Not received medical help when needed	90	10.6	35	14.1	27	9.3	28	9.1
Significant financial difficulties	442	52.2	138	55.4	195	65.7	109	36.1

Table DS2 Association between pre-war, war and post-migration factors and indices of any mood, anxiety, post-traumatic stress disorder (PTSD), and substance use disorders among the war-affected refugees

	Any mood disorder ^a (n = 833)			Any anxiety disorder ^b (n = 845)			PTSD ^c (n = 845)			Any substance use disorder ^d (n = 837)		
	Adjusted	OR (95% CI)	P	Adjusted	OR (95% CI)	P	Adjusted	OR (95% CI)	P	Adjusted	OR (95% CI)	P
Block 1												
Pre-war factors												
Females	1.39	(1.04–1.85)	0.026	1.31	(0.99–1.73)	0.063	1.01	(0.75–1.36)	0.948	0.19	(0.08–0.45)	<0.001
Age	1.02	(1.01–1.04)	0.001	1.02	(1.01–1.03)	0.007	1.03	(1.02–1.05)	<0.001	0.96	(0.93–1.00)	0.033
Secondary or higher education	0.47	(0.34–0.67)	<0.001	0.50	(0.35–0.70)	<0.001	0.45	(0.32–0.64)	<0.001	0.42	(0.20–0.88)	0.022
Number of pre-war traumatic events	1.08	(0.97–1.20)	0.164	1.00	(0.90–1.11)	0.958	1.00	(0.89–1.12)	0.976	1.15	(0.92–1.43)	0.235
Block 2												
Pre-war factors												
Females	1.85	(1.30–2.64)	0.001	1.50	(1.06–2.11)	0.022	1.14	(0.78–1.65)	0.498	0.22	(0.09–0.56)	0.002
Age	1.02	(1.01–1.04)	0.002	1.01	(1.00–1.03)	0.129	1.03	(1.01–1.04)	0.001	0.95	(0.91–0.99)	0.010
Secondary or higher education	0.60	(0.42–0.87)	0.006	0.57	(0.40–0.82)	0.003	0.53	(0.36–0.77)	0.001	0.36	(0.16–0.79)	0.011
Number of pre-war traumatic events	1.08	(0.96–1.21)	0.202	1.00	(0.89–1.11)	0.939	0.99	(0.88–1.12)	0.920	1.19	(0.94–1.50)	0.145
War factors												
Number of war-related traumatic events	1.21	(1.16–1.27)	<0.001	1.21	(1.15–1.26)	<0.001	1.25	(1.20–1.32)	<0.001	1.09	(0.99–1.20)	0.068
Combat involvement	0.80	(0.52–1.22)	0.294	0.63	(0.41–0.95)	0.027	0.55	(0.35–0.86)	0.009	1.25	(0.58–2.69)	0.563
Time since index ^e war trauma	0.89	(0.85–0.94)	<0.001	0.97	(0.92–1.02)	0.272	0.97	(0.92–1.03)	0.347	1.08	(0.96–1.21)	0.223
Block 3												
Pre-war factors												
Females	1.60	(1.08–2.38)	0.019	1.33	(0.92–1.93)	0.126	1.00	(0.67–1.50)	0.987	0.18	(0.07–0.48)	0.001
Age	1.02	(1.00–1.04)	0.030	1.01	(0.99–1.02)	0.396	1.03	(1.00–1.05)	0.008	0.95	(0.91–0.99)	0.033
Secondary or higher education	0.52	(0.34–0.79)	0.002	0.56	(0.37–0.84)	0.005	0.52	(0.34–0.80)	0.003	0.44	(0.17–1.10)	0.078
Number of pre-war traumatic events	1.08	(0.95–1.23)	0.225	1.01	(0.89–1.14)	0.869	1.02	(0.90–1.17)	0.720	1.22	(0.93–1.60)	0.142
War factors												
Number of war-related traumatic events	1.16	(1.10–1.22)	<0.001	1.16	(1.10–1.22)	<0.001	1.21	(1.14–1.28)	<0.001	1.00	(0.90–1.12)	0.963
Combat involvement	0.73	(0.45–1.18)	0.202	0.56	(0.36–0.89)	0.013	0.47	(0.28–0.77)	0.003	1.55	(0.65–3.71)	0.323
Time since index ^e war trauma	0.95	(0.89–1.01)	0.086	0.98	(0.96–1.09)	0.477	1.02	(0.95–1.08)	0.657	1.08	(0.93–1.24)	0.316
Post-migration factors												
Number of post-war traumatic events	1.17	(1.02–1.33)	0.027	1.20	(1.05–1.37)	0.007	1.17	(1.02–1.33)	0.025	1.14	(0.88–1.46)	0.320
Number of post-migration stressors	1.37	(1.21–1.54)	<0.001	1.24	(1.11–1.38)	<0.001	1.21	(1.07–1.37)	0.002	0.99	(0.75–1.30)	0.931
Unemployed	1.99	(1.35–2.93)	0.001	1.36	(0.94–1.96)	0.107	1.35	(0.90–2.03)	0.149	0.85	(0.33–2.19)	0.739
Not living with partner	1.32	(0.89–1.97)	0.174	1.08	(0.74–1.58)	0.690	1.08	(0.71–1.63)	0.730	2.44	(1.09–5.46)	0.031
Feeling accepted by the host country	0.62	(0.51–0.74)	<0.001	0.82	(0.69–0.98)	0.027	0.88	(0.73–1.06)	0.168	0.75	(0.50–1.11)	0.153
Host language fluency	1.04	(0.86–1.26)	0.670	0.92	(0.76–1.11)	0.371	0.88	(0.72–1.08)	0.228	0.90	(0.56–1.45)	0.665
Temporary residence status	2.04	(1.34–3.10)	0.001	1.93	(1.31–2.85)	0.001	1.87	(1.21–2.87)	0.005	2.42	(0.82–7.12)	0.108
Country												
Germany v. UK	0.64	(0.39–1.06)	0.080	1.09	(0.67–1.72)	0.722	1.91	(1.16–3.15)	0.011	4.06	(1.25–13.20)	0.020
Italy v. UK	0.48	(0.29–0.78)	0.003	0.66	(0.41–1.04)	0.072	0.87	(0.52–1.51)	0.657	0.26	(0.04–1.57)	0.059

OR, odds ratio.

a. For any mood disorder model, Block 1 Nagelkerke $R^2 = 0.069$, $\chi^2_{(4)} = 44.2$, $P < 0.001$; Block 2 Nagelkerke $R^2 = 0.191$ (R^2 change = 0.122), $\chi^2_{(4)} = 127.8$, $P < 0.001$; Block 3 Nagelkerke $R^2 = 0.352$ (R^2 change = 0.161), $\chi^2_{(6)} = 254.1$, $P < 0.001$.

b. For any anxiety disorder model, Block 1 Nagelkerke $R^2 = 0.05$, $\chi^2_{(4)} = 32.0$, $P < 0.001$; Block 2 Nagelkerke $R^2 = 0.160$ (R^2 change = 0.110), $\chi^2_{(4)} = 107.4$, $P < 0.001$; Block 3 Nagelkerke $R^2 = 0.275$ (R^2 change = 0.115), $\chi^2_{(6)} = 194.2$, $P < 0.001$.

c. For PTSD model, Block 1 Nagelkerke $R^2 = 0.073$, $\chi^2_{(4)} = 45.6$, $P < 0.001$; Block 2 Nagelkerke $R^2 = 0.215$ (R^2 change = 0.142), $\chi^2_{(4)} = 144.7$, $P < 0.001$; Block 3 Nagelkerke $R^2 = 0.343$ (R^2 change = 0.128), $\chi^2_{(6)} = 239.3$, $P < 0.001$.

d. For any substance use disorder model, Block 1 Nagelkerke $R^2 = 0.108$, $\chi^2_{(4)} = 28.0$, $P < 0.001$; Block 2 Nagelkerke $R^2 = 0.135$ (R^2 change = 0.027), $\chi^2_{(4)} = 35.0$, $P = 0.071$; Block 3 Nagelkerke $R^2 = 0.342$ (R^2 change = 0.207), $\chi^2_{(6)} = 91.8$, $P < 0.001$.

e. Index trauma is defined as the most traumatic war event.

Table DS3 Results of likelihood ratio tests assessing the impact of pre- and post-arrival risk factors on between-country differences in prevalence rates of mental disorders

	Any mood disorder			Any anxiety disorder			PTSD			Any substance use disorder		
	OR (95% CI)	Model LR χ^2 ^b	P	OR (95% CI)	Model LR χ^2 ^b	P	OR (95% CI)	Model LR χ^2 ^b	P	OR (95% CI)	Model LR χ^2 ^b	P
Country unadjusted												
Germany v. UK	1.64 (1.17–2.31)	NA	NA	2.11 (1.50–2.96)	NA	NA	3.01 (2.12–4.27)	NA	NA	7.74 (2.96–20.27)	NA	NA
Italy v. UK	0.52 (0.37–0.73)			0.59 (0.42–0.83)			0.57 (0.39–0.84)			0.39 (0.08–2.04)		
<i>Pre-arrival factors</i>												
Country adjusted for gender												
Germany v. UK	1.67 (1.19–2.36)	41.14	<0.001	2.14 (1.52–3.01)	51.51	<0.001	3.02 (2.13–4.29)	83.18	<0.001	7.73 (2.93–20.43)	46.76	<0.001
Italy v. UK	0.54 (0.38–0.76)			0.61 (0.43–0.85)			0.58 (0.39–0.85)			0.34 (0.07–1.78)		
Country adjusted for age												
Germany v. UK	1.73 (1.22–2.43)	37.17	<0.001	2.19 (1.56–3.09)	49.27	<0.001	3.35 (2.33–4.80)	79.88	<0.001	7.31 (2.78–19.21)	46.73	<0.001
Italy v. UK	0.58 (0.41–0.82)			0.64 (0.45–0.90)			0.68 (0.46–1.00)			0.32 (0.06–1.67)		
Country adjusted for education												
Germany v. UK	1.65 (1.17–2.33)	41.93	<0.001	2.14 (1.52–3.02)	52.35	<0.001	3.10 (2.17–4.43)	83.96	<0.001	7.79 (2.97–20.41)	44.50	<0.001
Italy v. UK	0.52 (0.37–0.73)			0.59 (0.42–0.83)			0.58 (0.39–0.85)			0.40 (0.08–2.07)		
Country adjusted for number of pre-war traumatic events												
Germany v. UK	1.67 (1.18–2.34)	41.01	<0.001	2.10 (1.50–2.96)	52.50	<0.001	3.03 (2.13–4.31)	82.96	<0.001	7.98 (3.04–20.96)	44.59	<0.001
Italy v. UK	0.54 (0.38–0.75)			0.59 (0.42–0.83)			0.58 (0.40–0.86)			0.41 (0.08–2.16)		
Country adjusted for number of war-related traumatic events												
Germany v. UK	1.59 (1.12–2.25)	19.34	<0.001	2.10 (1.48–2.98)	29.11	<0.001	3.14 (2.17–4.56)	52.12	<0.001	7.61 (2.90–19.95)	39.21	<0.001
Italy v. UK	0.69 (0.49–0.99)			0.80 (0.57–1.15)			0.89 (0.59–1.34)			0.45 (0.08–2.36)		
Country adjusted for combat involvement												
Germany v. UK	1.69 (1.20–2.37)	41.32	<0.001	2.18 (1.55–3.07)	51.44	<0.001	3.10 (2.18–4.41)	82.92	<0.001	7.01 (2.66–18.47)	45.44	<0.001
Italy v. UK	0.54 (0.38–0.76)			0.62 (0.44–0.87)			0.60 (0.41–0.88)			0.31 (0.06–1.65)		
Country adjusted for time since index ^a war trauma												
Germany v. UK	1.72 (1.22–2.43)	50.11	<0.001	2.13 (1.51–2.99)	53.51	<0.001	3.03 (2.13–4.30)	83.30	<0.001	7.86 (3.00–20.61)	44.85	<0.001
Italy v. UK	0.48 (0.34–0.68)			0.58 (0.41–0.81)			0.57 (0.39–0.83)			0.38 (0.07–1.99)		
Country adjusted for all pre-arrival factors												
Germany v. UK	1.88 (1.29–2.73)	18.72	<0.001	2.38 (1.64–3.44)	28.11	<0.001	3.91 (2.62–5.84)	54.31	<0.001	7.26 (2.69–19.65)	45.60	<0.001
Italy v. UK	0.82 (0.56–1.21)			0.97 (0.66–1.42)			1.19 (0.76–1.85)			0.26 (0.05–1.45)		
<i>Post-arrival factors (adjusted for all pre-arrival factors)</i>												
Country adjusted for number of post-war traumatic events												
Germany v. UK	1.68 (1.14–2.45)	14.35	<0.001	2.13 (1.46–3.11)	21.78	<0.001	3.58 (2.39–5.38)	46.42	<0.001	6.59 (2.40–18.1)	40.31	<0.001
Italy v. UK	0.78 (0.53–1.16)			0.93 (0.63–1.37)			1.15 (0.74–1.80)			0.26 (0.05–1.45)		
Country adjusted for number of post-migration stressors												
Germany v. UK	1.10 (0.72–1.67)	13.88	0.001	1.63 (1.09–2.44)	16.53	<0.001	2.74 (1.77–4.23)	31.93	<0.001	6.94 (2.34–20.20)	41.44	<0.001
Italy v. UK	0.53 (0.35–0.81)			0.72 (0.48–1.08)			0.90 (0.57–1.44)			0.25 (0.04–1.44)		
Country adjusted for employment status												
Germany v. UK	1.83 (1.26–2.68)	12.37	<0.001	2.35 (1.62–3.40)	23.62	<0.001	3.88 (2.59–5.80)	49.42	<0.001	7.34 (2.69–20.03)	40.36	<0.001
Italy v. UK	1.00 (0.66–1.50)			1.09 (0.73–1.62)			1.37 (0.86–2.18)			0.25 (0.04–1.46)		
Country adjusted for living situation												
Germany v. UK	1.89 (1.30–2.75)	18.43	<0.001	2.38 (1.64–3.45)	28.05	<0.001	3.92 (2.62–5.85)	54.31	<0.001	7.23 (2.65–19.70)	43.39	<0.001
Italy v. UK	0.83 (0.57–1.23)			0.97 (0.66–1.42)			1.19 (0.76–1.86)			0.26 (0.05–1.55)		
Country adjusted for feeling accepted by the host country												
Germany v. UK	1.58 (1.07–2.33)	15.08	<0.001	2.17 (1.49–3.16)	23.83	<0.001	3.63 (2.42–5.45)	48.29	<0.001	6.27 (2.28–17.26)	42.14	<0.001
Italy v. UK	0.71 (0.47–1.06)			0.90 (0.61–1.33)			1.13 (0.72–1.77)			0.23 (0.04–1.30)		
Country adjusted for host language fluency												
Germany v. UK	1.88 (1.29–2.73)	16.15	<0.001	2.39 (1.65–3.47)	25.60	<0.001	3.96 (2.64–5.94)	51.83	<0.001	7.18 (2.65–19.42)	43.22	<0.001
Italy v. UK	0.88 (0.59–1.31)			1.06 (0.72–1.57)			1.34 (0.85–2.11)			0.27 (0.05–1.54)		
Country adjusted for residence status												
Germany v. UK	1.21 (0.79–1.87)	11.54	0.003	1.62 (1.07–2.46)	14.75	0.001	2.69 (1.71–4.24)	28.18	<0.001	5.02 (1.70–14.88)	37.90	<0.001
Italy v. UK	0.61 (0.40–0.93)			0.75 (0.50–1.12)			0.93 (0.59–1.49)			0.18 (0.03–1.09)		
Country adjusted for all post-arrival factors												
Germany v. UK	0.64 (0.39–1.06)	9.02	0.011	1.09 (0.67–1.72)	5.79	0.055	1.91 (1.16–3.15)	11.62	0.003	4.06 (1.25–13.20)	27.69	<0.001
Italy v. UK	0.48 (0.29–0.78)			0.66 (0.41–1.04)			0.89 (0.52–1.51)			0.16 (0.02–1.07)		

LR, the likelihood ratio is defined as $2^{(L_0 - L_1)}$ and (approximately) follows a chi-squared distribution on 1 degree of freedom, where L_0 represents the log-likelihood for the model including only one pre- or post-arrival factor and L_1 is the log-likelihood for the model also adjusting for country. For the model including only one pre- or post-arrival factor, the smallest chi-squared statistic obtained by adding country variable, would be the most important factor given the log-likelihood changed by the least amount.
a. index trauma is defined as the most traumatic war event. b. For addition of named factor.

Table DS4 Observed and adjusted prevalence rates of mood disorders, anxiety disorders, post-traumatic stress disorder (PTSD) and substance use disorders among war-affected refugees

	n	Mood disorders, % (s.e.)		Anxiety disorders, % (s.e.)		PTSD, % (s.e.)		Substance use disorders, % (s.e.)	
		Observed	Adjusted	Observed	Adjusted	Observed	Adjusted	Observed	Adjusted
Gender									
Male	416	38.4 (2.4)	38.6 (1.3)	39.2 (2.4)	39.4 (1.1)	31.7 (2.3)	31.8 (1.2)	7.3 (1.3)	7.4 (0.6)
Female	438	48.1 (2.4)	48.3 (1.2)	47.9 (2.4)	48.2 (1.1)	34.5 (2.3)	34.6 (1.2)	1.6 (0.6)	1.6 (0.1)
Age, years									
20–40	427	37.7 (2.4)	38.2 (1.3)	37.5 (2.3)	39.8 (1.1)	24.6 (2.1)	26.5 (1.1)	5.7 (1.1)	5.7 (0.6)
41–65	427	49.2 (2.4)	49.1 (1.2)	49.9 (2.4)	48.0 (1.1)	41.7 (2.4)	40.0 (1.2)	3.1 (0.8)	3.1 (0.3)
Education level									
None or primary	188	58.8 (3.6)	58.9 (1.7)	58.5 (3.6)	58.5 (0.8)	47.9 (3.7)	47.9 (1.9)	6.4 (1.7)	6.4 (0.3)
Secondary or higher	666	39.0 (1.9)	39.3 (1.0)	39.5 (1.9)	39.7 (1.5)	29.0 (1.8)	29.1 (0.9)	3.8 (0.7)	3.8 (0.1)
Number of pre-war traumatic events									
None	365	39.3 (2.6)	40.5 (1.4)	40.5 (2.6)	42.3 (1.2)	29.3 (2.4)	30.5 (1.2)	2.5 (0.8)	3.7 (0.5)
≥1	489	46.5 (2.3)	46.0 (1.2)	46.0 (2.3)	45.1 (1.0)	36.0 (2.4)	35.3 (1.1)	5.8 (1.1)	4.9 (0.4)
Number of war-related traumatic events									
≤3	188	26.9 (3.3)	28.0 (1.4)	26.6 (3.2)	28.1 (1.1)	14.4 (2.6)	16.2 (0.9)	2.1 (1.1)	2.9 (0.5)
≥4	666	48.1 (2.0)	48.0 (1.0)	48.5 (1.9)	48.3 (0.9)	38.4 (1.9)	38.0 (1.0)	5.0 (0.9)	4.8 (0.4)
Combat involvement									
Yes	192	37.4 (3.5)	37.2 (1.0)	36.5 (3.5)	36.3 (1.6)	27.6 (3.2)	27.4 (1.6)	8.5 (2.0)	8.5 (0.6)
No	662	45.2 (2.0)	45.5 (1.9)	45.8 (1.9)	46.1 (0.9)	34.7 (1.9)	35.0 (1.0)	3.2 (0.7)	3.2 (0.3)
Time since index trauma, years									
≤6	255	46.6 (1.1)	46.6 (1.1)	43.9 (2.0)	43.8 (1.4)	30.6 (2.9)	31.1 (1.5)	3.9 (1.2)	4.5 (0.3)
≥7	592	41.7 (2.0)	42.4 (1.7)	42.4 (3.1)	44.0 (1.0)	30.6 (1.9)	34.2 (1.0)	4.3 (0.8)	4.2 (0.7)
Number of post-war traumatic events									
None	317	39.7 (2.8)	38.4 (1.4)	38.8 (2.7)	37.8 (1.2)	30.0 (2.6)	28.2 (1.2)	1.9 (0.8)	2.5 (0.4)
≥1	536	45.6 (2.2)	46.7 (1.1)	46.6 (2.2)	47.5 (1.0)	35.1 (2.1)	36.3 (1.1)	5.8 (1.0)	5.5 (0.4)
Number of post-migration stressors									
<3	573	36.8 (2.0)	36.4 (1.0)	37.5 (2.0)	37.9 (0.9)	27.6 (1.9)	27.6 (0.9)	3.5 (0.8)	3.4 (0.3)
≥3	273	57.6 (3.0)	58.8 (1.5)	57.1 (3.0)	56.6 (1.3)	45.1 (3.0)	45.2 (1.6)	6.3 (1.5)	6.5 (0.7)
Employment									
Employed	385	28.5 (2.3)	28.8 (1.1)	31.9 (2.4)	32.3 (1.0)	21.3 (2.1)	21.5 (1.0)	3.4 (0.9)	3.4 (0.4)
Unemployed	469	55.8 (2.3)	55.8 (1.1)	53.3 (2.3)	53.4 (1.0)	42.9 (2.3)	42.9 (1.1)	5.2 (1.0)	5.2 (0.5)
Living with partner									
Yes	652	42.8 (2.0)	42.9 (1.0)	43.7 (1.9)	43.7 (0.9)	33.4 (1.8)	33.4 (0.9)	3.4 (0.7)	3.4 (0.3)
No	202	45.5 (3.5)	46.2 (1.9)	43.6 (3.5)	44.4 (1.7)	32.2 (3.3)	32.8 (1.8)	7.7 (1.9)	7.6 (1.0)
Feeling accepted by the host country									
No (rating 1–3)	344	56.9 (2.1)	56.6 (1.3)	53.2 (2.7)	51.6 (1.2)	40.7 (2.7)	39.7 (1.4)	6.2 (1.3)	6.4 (0.6)
Yes (rating 4–5)	505	34.5 (2.7)	34.7 (1.0)	37.6 (2.2)	38.6 (1.0)	28.3 (2.0)	28.8 (1.0)	3.2 (0.8)	3.0 (0.3)
Host language fluency									
Poor (rating 1–3)	393	53.6 (2.5)	54.5 (1.2)	52.9 (2.5)	53.4 (1.1)	43.3 (2.5)	43.9 (1.3)	5.6 (1.1)	6.5 (0.7)
Good (rating 4–5)	457	35.0 (2.2)	34.3 (1.1)	36.1 (2.2)	35.7 (0.9)	24.7 (2.0)	24.0 (0.9)	3.3 (0.8)	3.4 (0.3)
Temporary residence status									
Yes	497	50.9 (2.5)	51.2 (1.1)	51.1 (2.2)	51.3 (1.0)	40.4 (2.2)	40.6 (1.2)	6.0 (1.1)	6.1 (0.5)
No	357	32.8 (2.3)	33.0 (1.2)	33.3 (2.5)	33.4 (1.0)	23.0 (2.2)	22.9 (0.9)	2.0 (0.7)	2.0 (0.3)

a. index trauma is defined as the most traumatic war event.

Table DS5 Observed and adjusted prevalence rates of any anxiety disorder and post-traumatic stress disorder (PTSD) among war-affected refugees in Germany, Italy and the UK

	Refugees in Germany, % (s.e.)		Refugees in Italy, % (s.e.)		Refugees in the UK, % (s.e.)	
	Observed	Adjusted	Observed	Adjusted	Observed	Adjusted
<i>Anxiety disorders</i>						
Education level						
None or primary	80.0 (5.3)	79.0 (1.7)	44.3 (6.4)	27.8 (1.0)	52.9 (6.1)	57.3 (1.9)
Secondary or higher	55.1 (3.6)	56.0 (1.6)	26.7 (2.9)	40.1 (1.8)	39.3 (3.2)	38.5 (1.2)
Number of war-related traumatic events						
≤3	26.7 (6.7)	34.8 (3.2)	25.8 (4.5)	25.2 (1.3)	28.3 (6.7)	28.2 (2.0)
≥4	68.1 (3.2)	66.7 (1.4)	32.5 (3.3)	32.8 (1.2)	44.9 (3.1)	45.5 (1.2)
Combat involvement						
No	62.2 (3.5)	63.6 (1.6)	33.0 (3.3)	32.4 (1.1)	43.6 (3.1)	44.3 (1.2)
Yes	55.9 (6.5)	54.4 (2.9)	23.9 (4.6)	25.4 (1.6)	35.6 (7.2)	34.2 (2.8)
Number of post-war traumatic events						
None	54.0 (6.3)	54.2 (3.1)	25.6 (4.1)	25.0 (1.2)	43.1 (4.2)	41.3 (1.7)
≥1	63.4 (3.5)	63.8 (1.6)	33.3 (3.5)	33.7 (1.2)	41.8 (3.9)	44.1 (1.4)
Number of post-migration stressors						
<3	50.0 (4.4)	50.5 (2.1)	26.3 (3.2)	25.6 (1.0)	39.8 (3.1)	40.9 (1.2)
≥3	73.6 (4.0)	73.0 (1.3)	37.9 (4.8)	39.2 (1.5)	57.1 (7.1)	52.5 (2.8)
Feeling accepted by the host country						
No (rating 1–3)	75.2 (3.9)	68.8 (1.7)	36.2 (4.3)	35.8 (1.3)	47.9 (5.1)	50.8 (1.9)
Yes (rating 4–5)	48.9 (4.4)	54.5 (2.1)	25.9 (3.4)	26.2 (1.2)	40.2 (3.4)	39.0 (1.3)
Temporary residence status						
No	35.3 (6.8)	34.8 (2.8)	22.1 (4.3)	21.2 (1.2)	37.9 (3.3)	38.7 (1.2)
Yes	67.2 (3.3)	67.6 (1.3)	34.2 (3.3)	34.6 (1.1)	52.7 (5.3)	52.2 (1.9)
<i>PTSD</i>						
Age, years						
20–40	44.4 (4.5)	47.3 (2.4)	16.1 (2.7)	16.4 (0.9)	17.1 (3.4)	20.7 (1.4)
41–65	64.9 (4.2)	63.0 (2.0)	23.1 (3.9)	22.7 (1.1)	36.9 (3.6)	34.8 (1.5)
Education level						
None or primary	71.2 (5.9)	74.6 (2.2)	27.9 (5.8)	26.8 (1.7)	45.6 (6.1)	43.6 (2.4)
Secondary or higher	50.0 (3.6)	49.5 (1.8)	16.5 (2.4)	16.8 (0.7)	23.9 (2.8)	24.8 (1.1)
Number of war-related traumatic events						
≤3	20.0 (6.0)	25.1 (2.9)	13.4 (3.5)	13.8 (0.8)	10.9 (4.6)	13.2 (1.3)
≥4	62.4 (3.3)	61.4 (1.5)	21.5 (2.9)	21.3 (0.9)	32.0 (2.9)	32.0 (1.2)
Combat involvement						
No	56.1 (3.6)	57.6 (1.9)	20.6 (2.8)	20.1 (0.8)	30.0 (2.9)	30.2 (1.2)
Yes	50.8 (6.6)	48.3 (3.1)	14.8 (3.80)	16.0 (1.3)	22.2 (6.3)	22.6 (2.5)
Number of post-war traumatic events						
None	49.2 (6.3)	49.2 (3.4)	15.4 (3.3)	16.1 (1.0)	33.6 (4.0)	29.1 (1.7)
≥1	57.1 (3.6)	57.5 (1.8)	21.1 (3.1)	20.7 (1.0)	24.8 (3.4)	29.1 (1.5)
Number of post-migration stressors						
<3	45.3 (4.4)	44.6 (2.2)	15.9 (2.6)	15.8 (0.8)	27.5 (2.8)	28.0 (1.2)
≥3	66.1 (4.3)	66.9 (1.7)	24.3 (4.2)	24.7 (1.2)	36.7 (7.0)	34.8 (3.1)
Temporary residence status						
No	29.4 (6.4)	27.9 (2.8)	14.7 (3.7)	13.6 (1.0)	25.1 (3.0)	25.9 (1.2)
Yes	61.3 (3.4)	61.8 (1.6)	20.8 (2.9)	21.3 (0.9)	37.4 (5.1)	36.3 (2.2)

Table DS6 Observed and adjusted prevalence rates of any mood and substance use disorder among war-affected refugees in Germany, Italy and the UK

	Refugees in Germany, % (s.e.)		Refugees in Italy, % (s.e.)		Refugees in the UK, % (s.e.)	
	Observed	Adjusted	Observed	Adjusted	Observed	Adjusted
<i>Mood disorders</i>						
Gender						
Male	53.7 (4.6)	55.4 (2.5)	25.0 (3.2)	25.2 (1.5)	40.5 (4.5)	40.1 (2.0)
Female	60.9 (4.3)	59.4 (2.3)	37.6 (4.5)	35.6 (1.7)	48.3 (3.8)	50.8 (1.8)
Education level						
None or primary	78.0 (5.4)	76.8 (2.1)	44.3 (6.4)	41.4 (2.2)	55.2 (6.1)	59.0 (2.5)
Secondary or higher	51.1 (3.6)	51.5 (1.9)	26.3 (2.9)	27.0 (1.3)	42.1 (3.3)	41.8 (1.5)
Number of war-related traumatic events						
≤3	23.3 (6.5)	29.3 (3.5)	27.8 (4.6)	26.4 (1.8)	28.3 (6.7)	30.1 (2.6)
≥4	64.6 (3.3)	63.1 (1.7)	31.0 (3.3)	31.7 (1.5)	48.2 (3.2)	48.5 (1.5)
Number of post-war traumatic events						
None	50.8 (6.3)	50.5 (3.6)	26.5 (4.1)	23.9 (1.5)	45.9 (4.3)	45.4 (2.1)
≥1	59.7 (3.6)	59.8 (1.9)	32.2 (3.5)	33.9 (1.6)	44.4 (3.9)	45.9 (1.8)
Number of post-migration stressors						
<3	46.4 (4.5)	43.5 (2.3)	23.2 (3.0)	23.5 (1.2)	42.7 (3.2)	42.8 (1.4)
≥3	69.7 (4.2)	72.3 (1.7)	42.7 (4.9)	42.2 (1.9)	59.6 (7.2)	60.5 (3.4)
Employment						
Employed	41.0 (5.6)	38.9 (3.1)	26.4 (3.0)	25.0 (1.2)	22.8 (4.4)	29.1 (2.0)
Unemployed	64.9 (3.7)	65.8 (1.7)	38.8 (5.3)	42.2 (2.1)	55.1 (3.5)	53.1 (1.5)
Feeling accepted by the host country						
No (rating 1–3)	71.4 (4.2)	69.7 (2.0)	41.7 (4.4)	40.0 (1.7)	59.1 (5.1)	62.2 (2.1)
Yes (rating 5)	45.3 (4.4)	46.0 (2.3)	21.2 (3.1)	22.4 (1.3)	39.0 (3.5)	37.9 (1.5)
Temporary residence status						
No	31.9 (6.8)	28.8 (3.3)	20.0 (4.1)	18.3 (1.4)	38.8 (3.4)	40.6 (1.5)
Yes	63.3 (3.4)	64.2 (1.6)	34.7 (3.3)	35.4 (1.4)	59.6 (5.2)	57.2 (2.4)
<i>Substance use disorders</i>						
Age, years						
20–40	16.3 (3.3)	16.4 (1.5)	0.6 (0.6)	0.9 (0.1)	2.5 (1.5)	2.4 (0.3)
41–65	7.6 (2.3)	8.1 (0.7)	0.9 (0.9)	0.4 (0.0)	1.1 (0.8)	1.3 (0.1)
Gender						
Male	18.9 (3.6)	20.7 (1.5)	1.3 (0.9)	11.2 (0.1)	3.8 (1.7)	3.1 (0.3)
Female	5.3 (2.0)	4.4 (0.3)	0.0 (0.0)	1.5 (0.0)	0.0 (0.0)	0.6 (0.1)
Living with partner						
Yes	9.6 (2.2)	9.6 (0.7)	0.4 (0.4)	0.5 (0.1)	1.4 (0.8)	1.3 (0.1)
No	18.2 (4.8)	19.4 (2.5)	1.8 (1.8)	1.3 (0.2)	2.7 (1.9)	2.7 (0.4)