

Data supplement to McGrath et al. Trauma and psychotic experiences: transnational data from the World Mental Health Survey. Br J Psychiatry doi: 10.1192/bjp.bp.117.205955

Table DS1 World Mental Health (WMH) sample characteristics by World Bank income categories, and sample for psychotic experiences (PEs)

Country by income category	Survey ^a	Sample characteristics	Field dates	Age range	Sample size		Response rate ^c
					Part I	PEs sample	
Low and lower middle income countries							
Colombia	NSMH	All urban areas of the country	2003	18-65	4426	722	87.7
Nigeria	NSMHW	21 of the 36 states in the country	2002-3	18-100	6752	1417	79.3
Peru	EMSMP	5 urban areas (approximately 38% of the total national population)	2004-5	18-65	3930	530	90.2
Upper-middle income countries							
Brazil - São Paulo	São Paulo Megacity	São Paulo metropolitan area	2005-7	18-93	5037	2922	81.3
Lebanon	LEBANON	Nationally representative	2002-3	18-94	2857	1029	70
Mexico	M-NCS	All urban areas of the country	2001-2	18-65	5782	715	76.6
Romania	RMHS	Nationally representative	2005-6	18-96	2357	2357	70.9
High-income countries							
Belgium	ESEMeD	Nationally representative	2001-2	18-95	2419	319	50.6
France	ESEMeD	Nationally representative	2001-2	18-97	2894	301	45.9
Germany	ESEMeD	Nationally representative	2002-3	18-95	3555	408	57.8
Italy	ESEMeD	Nationally representative	2001-2	18-100	4712	617	71.3
New Zealand ^d	NZMHS	Nationally representative	2003-4	18-98	12790	7263	73.3
Portugal	NMHS	Nationally representative	2008-9	18-81	3849	2053	57.3
Spain	ESEMeD	Nationally representative	2001-2	18-98	5473	1159	78.6
The Netherlands	ESEMeD	Nationally representative	2002-3	18-95	2372	348	56.4
The United States	NCS-R	Nationally representative	2002-3	18-99	9282	2304	70.9
All countries combined					78487	24464	70.5

^a NSMH (The Colombian National Study of Mental Health); NSMHW (The Nigerian Survey of Mental Health and Wellbeing); EMSMP (La Encuesta Mundial de Salud Mental en el Peru); LEBANON (Lebanese Evaluation of the Burden of Ailments and Needs of the Nation); M-NCS (The Mexico National Comorbidity Survey); RMHS (Romania Mental Health Survey); ESEMeD (The European Study Of The Epidemiology Of Mental Disorders); NZMHS (New Zealand Mental Health Survey); NMHS (Portugal National Mental Health Survey); NCS-R (The US National Comorbidity Survey Replication).

^b Brazil, New Zealand and Romania did not have an age restricted sample. All other countries, with the exception of Nigeria (which was age restricted to ≤ 39) were age restricted to ≤ 44.

^c The response rate is calculated as the ratio of the number of households in which an interview was completed to the number of households originally sampled, excluding from the denominator households known not to be eligible either because of being vacant at the time of initial contact or because the residents were unable to speak the designated languages of the survey. The weighted average response rate is 70.5%.

^d For the purposes of cross-national comparisons we limit the sample to those 18+.

Table DS2 Six CIDI Psychotic experiences types in six European (ESEMed^a) sites (Belgium, France, Germany, Italy, Netherlands, Spain)

Item	Type	Description
A. Saw a vision (Visual hallucinations)	1	Did you ever see something that wasn't really there that other people could not see? Please do not include any times when you were dreaming or half-asleep or under the influence of alcohol or drugs.
B. Heard voices (Auditory hallucinations)	2	Did you ever hear things that other people said did not exist, like strange voices coming from inside your head talking to you or about you, or voices coming out of the air when there was no one around. Please do not include any times when you were dreaming or half-asleep or under the influence of alcohol or drugs.
C. Thought insertion/withdrawal	3	Did you ever believe that some mysterious force was inserting many different strange thoughts -- that were definitely not your own thoughts -- directly into your head by means of x-rays or laser beams or other methods?
D. Mind control/passivity	4	Did you ever feel that your mind had been taken over by strange forces with laser beams or other methods that were making you do things you did not choose to do. Again, do not include times when you were dreaming or under the influence of alcohol or drugs.
E. Ideas of reference	5	Did you ever believe that some strange force was trying to communicate directly with you by sending special signs or signals that you could understand but that no one else could understand. Sometimes this happens by special signs coming through the radio or television.
F. Plot to harm/follow	6	Did you ever believe that there was an unjust plot going on to harm you or to have people follow you that your family and friends did not believe existed?

^a ESEMed = European Study of the Epidemiology of Mental Disorders

Table DS3 Six CIDI Psychotic experiences types in 10 non-ESEMed sites (Colombia, Lebanon, Mexico, Brazil, Nigeria, Peru, Portugal, Romania, USA and New Zealand)

Item	Type	Description
A. Saw a vision (Visual hallucinations)	1	Did you ever see something that other people who were there could not see?
	1a	Did this every happen when you were not dreaming, not half-asleep, and not under the influence of alcohol or drugs?
B. Hearing voices (Auditory hallucinations)	2	Did you ever hear things that other people said did not exist, like strange voices coming from inside your head talking to you or about you, or voices coming out of the air when there was no one around.
	2a	Did this every happen when you were not dreaming, not half-asleep, and not under the influence of alcohol or drugs?
C. Thought insertion/withdrawal	3	Did you ever believe that some mysterious force was inserting many different strange thoughts -- that were definitely not your own thoughts -- directly into your head by means of x-rays or laser beams or other methods?
	3a	Did this every happen when you were not dreaming, not half-asleep, and not under the influence of alcohol or drugs?
D. Mind control/passivity	4	Did you ever feel that your mind had been taken over by strange forces with laser beams or other methods that were making you do things you did not choose to do.
	4a	Did this every happen when you were not dreaming, not half-asleep, and not under the influence of alcohol or drugs?
E. Ideas of reference	5	Did you ever believe that some strange force was trying to communicate directly with you by sending special signs or signals that you could understand but that no one else could understand. Sometimes this happens by special signs coming through the radio or television.
	5a	Did this every happen when you were not dreaming, not half-asleep, and not under the influence of alcohol or drugs?
F. Plot to harm/follow	6	Did you ever believe that there was an unjust plot going on to harm you or to have people follow you that your family and friends did not believe existed?
	6a	Did this every happen when you were not dreaming, not half-asleep, and not under the influence of alcohol or drugs?

Note: For the assessment of psychotic experiences we included items 1a, 2a, 3a, 4a, 5a, and 6a. Similarly for the assessment of hallucination types we included types 1a and 2a, and for the assessment of delusional experiences we included types 3a, 4a, 5a, and 6a.

Table DS4 21 DSM-IV mental disorders across 16 WMH sites

A. Mood disorders	Major depressive disorder Bipolar disorder (Bipolar I, II, Subthreshold)
B. Anxiety disorders	Panic disorder Generalized anxiety disorder Specific phobia Social phobia Agoraphobia without panic Post-traumatic stress disorder Separation anxiety disorder (Child) Separation anxiety disorder (Adult)
C. Behaviour disorders	Intermittent explosive disorder Attention deficit disorder Oppositional defiant disorder Conduct disorder
D. Eating disorders	Anorexia nervosa Bulimia nervosa Binge eating disorder
E. Substance-use disorders	Alcohol abuse Alcohol dependence Drug abuse Drug dependence

Table D55 Prevalence of traumatic experiences (TE) among respondents with and without lifetime psychotic experiences (PE) (n = 24,464)

Type of traumatic experiences	Total Sample			Without PE			With PE			Respondents endorsing both lifetime TE and PE							
	n	% ^b	S.E	n	% ^b	S.E	n	% ^b	S.E	TE prior to PE onset		TE in the same year as PE onset		PE prior to TE onset		Goodness-of-fit test for equal proportion ^a	
										% ^b	S.E	% ^b	S.E	% ^b	S.E	χ^2	[p]
I. Collective violence																	
Civilian in war zone ^c	1423	6.4	0.3	1331	6.5	0.3	92	4.6	0.8	70.9	7.3	2.2	1.4	26.9	7.2	111.6*	<.001
Refugee ^c	714	3.0	0.2	666	3.0	0.3	48	2.7	0.6	76.2	7.4	1.7	1.6	22.1	7.2	22.6*	<.001
Civilian in region of terror ^c	699	3.3	0.2	622	3.2	0.2	77	4.5	0.7	61.4	7.6	5.0	2.7	33.6	7.3	12.9*	<.001
Kidnapped	370	1.1	0.1	289	1.0	0.1	81	2.9	0.4	43.8	7.5	5.1	2.2	51.2	7.6	2.2	0.137
Relief worker in war zone ^c	242	1.2	0.1	225	1.2	0.1	17	0.9	0.3	40.3	14.5	9.9	9.3	49.8	15.4	- ^f	- ^f
Any collective violence	2454	9.7	0.3	2214	9.7	0.3	240	9.9	0.9	62.6	4.4	3.4	1.2	34.0	4.4	24.5*	<.001
II. Caused/witnessed bodily harm																	
Purposely injured, tortured, or killed someone ^d	153	0.7	0.1	121	0.7	0.1	32	1.8	0.5	53.4	12.8	2.8	2.9	43.7	12.7	- ^f	- ^f
Combat experience ^c	578	2.9	0.2	512	2.8	0.2	66	5.1	0.9	52.3	8.7	1.4	1.1	46.3	8.7	230.7*	<.001
Accidentally caused serious injury or death	457	1.5	0.1	375	1.4	0.1	82	3.2	0.4	65.4	6.3	3.1	2.4	31.4	6.1	61.8*	<.001
Saw atrocities	992	4.0	0.2	853	3.8	0.2	139	6.4	0.8	46.3	6.1	7.8	3.7	46.0	7.1	0.0	0.972
Witnessed death/dead body or saw someone seriously hurt	6422	24.4	0.4	5475	23.1	0.4	947	41.8	1.5	52.5	2.7	4.9	0.9	42.6	2.7	5.9*	0.015
Any caused/witnessed bodily harm	6981	26.8	0.4	5980	25.6	0.4	1001	43.7	1.5	54.3	2.6	4.8	0.8	40.8	2.5	11.2*	0.001
III. Interpersonal violence																	
Beaten up by caregiver	2948	8.2	0.2	2417	7.4	0.2	531	19.4	1.1	87.8	1.9	4.2	1.1	8.0	1.7	223.3*	<.001
Witnessed physical fight at home ^e	3238	12.0	0.3	2704	11.2	0.3	534	22.4	1.3	84.0	2.7	4.8	1.4	11.3	2.5	233.2*	<.001
Beaten up by someone else	1650	5.4	0.2	1381	5.1	0.2	269	9.6	0.8	60.6	4.0	9.1	2.4	30.2	3.6	39.1*	<.001
Any interpersonal violence	5733	17.9	0.3	4811	16.6	0.3	922	35.2	1.5	84.8	1.8	3.9	0.8	11.3	1.7	392.8*	<.001
IV. Intimate partner/sexual violence																	
Raped	1485	3.5	0.2	1140	2.9	0.1	345	12.1	1.0	63.8	4.0	6.7	1.6	29.5	3.8	72.1*	<.001
Sexually assaulted	2179	6.1	0.2	1727	5.4	0.2	452	15.4	1.0	68.9	3.3	6.7	1.7	24.4	3.1	169.7*	<.001
Beaten up by spouse/romantic partner	1796	4.3	0.2	1469	3.9	0.2	327	10.2	0.8	46.6	4.1	8.1	2.1	45.3	4.2	0.0	0.842
Stalked	1851	5.7	0.2	1435	5.0	0.2	416	14.8	1.0	38.7	3.6	8.6	3.0	52.8	3.7	9.8*	0.002
Traumatic event to loved one	1966	6.4	0.2	1572	5.8	0.2	394	14.9	1.0	38.7	3.6	5.8	1.5	55.5	3.5	14.4*	<.001
Private event	1451	4.4	0.2	1165	4.0	0.2	286	11.0	0.9	44.6	4.4	6.6	2.2	48.8	4.3	0.6	0.435
Some other event	1241	4.2	0.2	1006	3.8	0.2	235	9.3	0.9	32.6	4.5	3.0	1.1	64.4	4.7	47.3*	<.001
Any intimate partner/sexual violence	7257	23.1	0.4	6028	21.3	0.4	1229	47.6	1.5	60.1	2.1	7.0	1.0	33.0	1.9	57.5*	<.001
V. Accident/injuries																	
Child with serious illness	2366	7.9	0.2	2004	7.4	0.2	362	15.7	1.1	30.7	3.8	7.2	1.8	62.0	4.1	29.8*	<.001
Natural disaster ^c	1946	8.3	0.3	1709	7.9	0.3	237	13.9	1.3	57.2	5.3	4.2	2.4	38.5	5.2	6.6*	0.010
Life-threatening illness	3627	12.7	0.3	3174	12.3	0.3	453	17.8	1.1	42.7	3.2	4.2	1.0	53.1	3.3	6.6*	0.010
Toxic chemical exposure	1070	4.5	0.2	884	4.1	0.2	186	9.4	0.9	43.9	5.4	5.6	2.6	50.5	5.4	1.0	0.310
Other life threatening accident	1774	6.7	0.2	1524	6.4	0.2	250	10.9	0.9	48.4	4.4	6.5	1.8	45.1	4.3	0.4	0.527
Automobile accident	4089	15.1	0.3	3503	14.4	0.3	586	25.5	1.3	47.7	3.0	5.6	1.5	46.7	3.1	0.0	0.846
Any accident/injuries	10125	37.8	0.5	8873	36.6	0.5	1252	53.8	1.6	51.9	2.1	6.3	1.0	41.8	2.2	7.1*	0.008
VI. Other traumas																	
Unexpected death of a loved one	8655	31.3	0.4	7566	30.2	0.5	1089	45.6	1.7	43.0	2.1	8.7	1.2	48.3	2.2	2.1	0.146

Mugged or threatened with a weapon	4134	15.3	0.4	3467	14.3	0.4	667	29.9	1.8	40.2	2.9	6.1	1.3	53.6	2.9	11.9*	0.001
Man-made disaster	1022	3.7	0.2	846	3.5	0.2	176	7.2	0.7	44.4	5.3	3.6	1.3	52.0	5.3	1.3	0.256
Any other traumas	11061	41.1	0.5	9654	39.7	0.5	1407	61.8	1.7	46.8	2.0	7.8	1.0	45.4	1.9	0.2	0.650
Any traumatic events	18535	71.8	0.4	16513	70.5	0.5	2022	90.4	1.1	75.8	1.5	5.0	0.7	19.2	1.5	337.3*	<.001

^aChi square tests comparing the proportion of respondents with TE onset prior to PE onset versus the proportion of respondents with PE onset prior to TE onset. *Significant at the .05 level, 2-sided test.

^bEstimates are based on weighted data.

^cBrazil did not ask about this trauma.

^dNew Zealand did not ask about this trauma.

^eNigeria, Lebanon, Belgium, France, Germany, Italy, the Netherlands and Spain did not ask about this trauma.

^fGoodness-of-fit test cannot be computed because of small expected counts (<5).