

Supplementary material

Table 1: 2000, 2007 and 2014 APMS descriptives

	2000	2007	2014
	N (%)	N (%)	N (%)
Sex			
Female	4728 (55.10)	4206 (56.81)	4488 (59.48)
Male	3852 (44.90)	3197 (43.19)	3058 (40.52)
Marital Status			
Married	4383 (51.08)	4133 (55.83)	3367 (44.62)
Not married	4197 (48.92)	3270 (44.17)	4179 (55.38)
Employment Status			
Employed	5270 (61.88)	3989 (53.88)	3996 (52.95)
Unemployed	3246 (38.12)	3414 (46.12)	3550 (47.05)
Ethnicity			
White British	8031 (93.60)	6499 (88.39)	6387 (84.64)
White Other	α	308 (4.19)	426 (5.65)
Black	185 (2.17)	188 (2.50)	197 (2.61)
Asian	159 (1.85)	199 (2.71)	357 (4.73)
Mixed	139 (1.62)	159 (2.16)	151 (2.00)
Highest Educational Qualification			
Degree	1239 (14.55)	1374 (18.99)	1792 (23.75)
Other Higher	614 (7.21)	542 (7.49)	555 (7.35)
Sixth Form/A-Levels	1129 (13.26)	938 (12.96)	1184 (15.69)
Secondary School/GCSEs	2968 (34.86)	1817 (25.11)	1336 (17.70)
Foundation Level	940 (11.04)	α	338 (4.48)
Other Qualifications	α	286 (3.95)	563 (7.46)
No Qualifications	2565 (30.12)	2278 (31.49)	175 (2.32)
Age Band			
75+	-----	950 (12.83)	1062 (14.07)
65-74	1268 (14.78)	1028 (13.89)	1189 (15.77)
55-64	1442 (16.81)	1279 (17.28)	1226 (16.25)
45-54	1545 (18.01)	1130 (15.26)	1294 (17.15)
35-44	1848 (21.54)	1413 (19.09)	1180 (15.64)
25-34	1683 (19.62)	1035 (13.98)	1035 (13.71)
16-24	794 (9.25)	568 (7.67)	560 (7.42)
IQ			
70-89 (70-85)	1620 (20.11)	1053 (15.32)	1094 (15.91)
90-109 (86-100)	3809 (47.29)	1867 (27.17)	1740 (25.30)
110-129 (101+)	2625 (32.59)	3952 (57.51)	4043 (58.79)
Sexual Abuse			
No	8234 (95.97)	6971 (94.75)	7067 (93.99)
Yes	346 (4.03)	386 (5.25)	452 (6.01)
Narrow persecutory symptoms			
No	7771 (90.6)	6834 (92.3)	6958 (92.22)
Yes	809 (9.4)	569 (7.7)	587 (7.78)
Narrow hallucinations			
No	8498 (99)	7335 (99.1)	7445 (98.69)
Yes	82 (1)	68 (0.9)	99 (1.31)

Broad persecutory symptoms			
No	6767 (78.90)	6098 (82.43)	6234 (82.62)
Yes	1810 (21.10)	1299 (17.56)	1311 (17.38)
Broad hallucinations			
No	8203 (95.67)	7074 (95.63)	7198 (95.41)
Yes	371 (4.33)	323 (4.36)	346 (4.59)
Probable Psychosis			
No	8520 (99.30)	7363 (99.46)	7452 (98.75)
Yes	60 (0.70)	40 (0.54)	94 (1.25)
Impulsivity			
No	4673 (55.71)	4954 (68.68)	6027 (79.87)
Yes	3715 (44.29)	2259 (31.32)	1519 (20.13)
Mood Instability			
No	7195 (85.78)	6311 (86.11)	6690 (88.66)
Yes	1193 (14.22)	1018 (13.89)	856 (11.34)
Depression Score			
0	6751 (78.68)	5875 (79.36)	6089 (80.69)
1	827 (9.64)	625 (8.44)	566 (7.50)
2	564 (6.57)	499 (6.74)	483 (6.40)
3	350 (4.08)	317 (4.28)	322 (4.27)
4	88 (1.03)	87 (1.18)	86 (1.14)
Drug Misuse			
No	6453 (75.54)	5720 (77.75)	5266 (74.33)
Yes	2089 (24.46)	1637 (22.25)	1819 (25.67)
Alcohol Problems			
No	6463 (75.70)	5789 (78.31)	5965 (82.64)
Yes	2075 (24.30)	1603 (21.69)	1253 (17.36)
Suicide attempt in lifetime			
No	8141 (94.98)	7008 (94.77)	7088 (94.08)
Yes	430 (5.02)	387 (5.23)	446 (5.92)
Suicide thought in lifetime			
No	7192 (83.90)	6311 (85.41)	6211 (82.41)
Yes	1380 (16.10)	1078 (14.58)	1326 (17.59)
Had Suicidal Attempts since T1			
No	2384 (99.09)	-----	-----
Yes	22 (0.91)	-----	-----
T1 Suicidal attempts			
No	2212 (92.05)	-----	-----
Yes	191 (7.95)	-----	-----
Had Suicidal Thoughts since T1			
No	2197 (91.31)	-----	-----
Yes	209 (8.69)	-----	-----
T1 Suicidal thoughts			
No	1820 (75.71)	-----	-----
Yes	584 (24.29)	-----	-----

α = variable not present / conflated with nearest neighbour in this dataset

Table 2a: 2007 Mediation analyses between persecutory ideation (IV) and 1) suicidal attempts, 2) suicidal thoughts (DVs); mediators: depression, impulsivity, mood instability

PERSECUTORY IDEATION (psq3a)	SUICIDE ATTEMPTS	SUICIDE THOUGHTS
OR (CI) <i>p</i> *(<0.001), **(<0.01), #(<0.05)		
Depression+impulsivity+mood instability		
Total	6.32 (4.57-8.74)*	6.58 (5.20-8.32)*
Direct	3.13 (2.25-4.34)*	3.20 (2.53-4.05)*
Indirect	2.01 (1.76-2.30)*	2.05 (1.82-2.30)*
	38.11%	38.20%
Depression		
Total	6.23 (4.60-8.43)*	6.35 (5.10-7.91)*
Direct	4.06 (2.99-5.50)*	4.13 (3.32-5.14)*
Indirect	1.53 (1.38-1.69)*	1.53 (1.41-1.67)*
	23.38%	23.25%
Impulsivity		
Total	6.18 (4.58-8.33)*	5.77 (4.67-7.14)*
Direct	5.19 (3.83-7.02)*	4.93 (3.99-6.09)*
Indirect	1.19 (1.11-1.27)*	1.17 (1.11-1.23)*
	9.61%	9.03%
Mood instability		
Total	6.10 (4.46-8.35)*	6.37 (5.08-8.00)*
Direct	3.98 (2.88-5.52)*	4.15 (3.31-5.21)*
Indirect	1.53 (1.37-1.69)*	1.53 (1.40-1.67)*
	23.53%	23.11%

Table 2b: 2007 Mediation analyses between auditory hallucinations (IV) and 1) suicidal attempts, 2) suicidal thoughts (DVs); mediators: depression, impulsivity, mood instability

AUDITORY HALLUCINATIONS (psq5a)	SUICIDE ATTEMPTS	SUICIDE THOUGHTS
OR (CI) <i>p</i> *(<0.001), **(<0.01), #(<0.05)		
Depression+impulsivity+mood instability		
Total	11.04 (4.92-24.77)*	17.59 (7.98-38.75)*
Direct	3.85 (1.67-8.83)*	6.25 (2.83-13.77)*
Indirect	2.86 (2.06-3.98)*	2.81 (2.03-3.88)*
	43.87%	36.09%
Depression		
Total	11.87 (5.83-24.13)*	16.16 (7.92-32.96)*
Direct	5.47 (2.66-11.23)*	7.67 (3.76-15.63)*
Indirect	2.16 (1.69-2.77)*	2.10 (1.67-2.65)*
	31.31%	26.78%
Impulsivity		
Total	9.74 (5.02-18.90)*	12.12 (6.38-28.05)*

Direct	7.80 (4.01-15.17)*	9.99 (5.27-18.93)*
Indirect	1.24 (1.07-1.44)*	1.21 (1.07-1.37)*
	9.72%	7.77%
Mood instability		
Total	11.07 (5.13-23.87)*	16.70 (7.82-35.66)*
Direct	5.91 (2.72-12.83)*	9.03 (4.24-19.23)*
Indirect	1.87 (1.42-2.46)*	1.84 (1.42-2.40)*
	26.06%	21.84%

Table 3a: 2014 Mediation analyses between persecutory ideation (IV) and 1) suicidal attempts, 2) suicidal thoughts (DVs); mediators: depression, impulsivity, mood instability

PERSECUTORY IDEATION (psq3a)	SUICIDE ATTEMPTS	SUICIDE THOUGHTS
OR (CI) <i>p</i> *(<0.001), **(<0.01), #(<0.05)		
Depression+impulsivity+mood instability		
Total	7.05 (5.94-8.51)*	7.12 (6.27-8.30)*
Direct	5.30 (4.50-6.36)*	5.09 (4.56-5.74)*
Indirect	3.22 (3.08-3.39)*	3.36 (3.22-3.50)*
	23.56%	28.20%
Depression		
Total	7.04 (5.93-8.50)*	7.05 (6.17-8.11)*
Direct	5.57 (4.75-6.65)*	5.43 (4.85-6.13)*
Indirect	3.12 (3.01-3.23)*	3.17 (3.08-3.27)*
	19.10%	21.45%
Impulsivity		
Total	7.32 (6.20-8.78)*	6.70 (5.94-7.62)*
Direct	7.18 (6.08-8.62)*	6.57 (5.84-7.47)*
Indirect	2.75 (2.71-2.78)	2.75 (2.72-2.77)#
	1.42%	1.53%
Mood instability		
Total	7.24 (6.11-8.72)*	6.74 (5.96-7.69)*
Direct	6.50 (5.37-8.04)*	5.93 (5.26-6.76)*
Indirect	2.88 (2.75-3.02)#	2.92 (3.11-3.03)*
	8.20%	10.72%

Table 3b: 2014 Mediation analyses between auditory hallucinations (IV) and 1) suicidal attempts, 2) suicidal thoughts (DVs); mediators: depression, impulsivity, mood instability

AUDITORY HALLUCINATIONS (psq5a)	SUICIDE ATTEMPTS	SUICIDE THOUGHTS
OR (CI) <i>p</i> *(<0.001), **(<0.01), #(<0.05)		
Depression+impulsivity+mood instability		
Total	10.10 (7.29-14.74)*	8.78 (6.71-11.94)*
Direct	6.71 (5.10-9.26)*	5.79 (4.66-7.41)*
Indirect	3.37 (3.13-3.65)*	3.45 (3.17-3.77)*
	23.16%	27.47%
Depression		
Total	10.16 (7.38-14.71)*	8.66 (6.65-11.69)*
Direct	7.12 (5.40-9.84)*	6.17 (4.94-7.94)*
Indirect	3.26 (3.07-3.46)*	3.27 (3.09-3.47)*
	19.75%	22.19%
Impulsivity		
Total	9.81 (7.44-13.45)*	7.59 (6.11-9.67)*
Direct	9.41 (7.14-12.89)*	7.32 (5.92-9.27)*
Indirect	2.77 (2.69-2.86)	2.77 (2.70-2.84)
	2.25%	2.61%
Mood instability		
Total	9.16 (6.92-12.64)*	7.52 (5.96-9.76)*
Direct	8.06 (6.07-11.20)*	6.58 (5.28-8.43)*
Indirect	2.89 (2.69-3.11)	2.91 (2.71-3.16)
	7.47%	9.72%