

Online Resource 7:

Detailed statistics - meta-analyses on ethnicity and incidence of diagnosed psychoses

Article title: Ethnic inequalities in the incidence of diagnosis of severe mental illness in England: A systematic review and new meta-analyses for non-affective and affective psychoses

Journal name: Social Psychiatry and Psychiatric Epidemiology

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BLACK AFRICAN

ANALYSIS	NUMBER OF EFFECT SIZES	RELATIVE RISK	95% CI	I ²	Q _W	Q _B	P- VALUE
<u>NON-AFFECTIVE PSYCHOSES</u>							
AVERAGE ESTIMATE (SCHIZOPHRENIA)	9	5.72	3.87 to 8.46	73.81%	30.54		<0.01
DIAGNOSIS							
NON-AFFECTIVE UNSPECIFIED	3	4.47	3.63 to 5.51	<0.01%	0.09		0.96
SCHIZOPHRENIA	9	5.72	3.87 to 8.46	73.81%	30.54		<0.01
						1.19	0.27
GENDER							
MALE	3	4.57	2.68 to 7.79	52.40%	4.20		0.12
FEMALE	3	5.76	3.59 to 9.25	<0.01%	0.84		0.66
						0.40	0.53
LOCATION							
LONDON	7	5.96	3.40 to 10.43	80.05%	30.08		<0.01
OUTSIDE LONDON	1	4.62	2.64 to 8.09	0.00%	0.00		1.00
						0.40	0.53
QUALITY							
LOWER	5	7.80	3.72 to 16.33	81.72%	21.89		<0.01
HIGH	4	4.40	3.27 to 5.91	26.61%	4.09		0.25
						1.99	0.16
<u>AFFECTIVE PSYCHOSES</u>							
AVERAGE ESTIMATE	5	4.07	2.27 to 7.28	64.85%	11.38		0.02
GENDER							
MALE	1	8.90	3.81 to 20.77	<0.01%	<0.01		1.00
FEMALE	1	4.90	1.81 to 13.27	<0.01%	<0.01		1.00
						0.80	0.37
LOCATION							
LONDON	3	4.63	2.35 to 9.12	70.29%	6.73		0.03
OUTSIDE LONDON	3	9.57	1.58 to 57.81	55.17%	4.46		0.11
						0.55	0.46
QUALITY							
LOWER	1	8.20	4.62 to 14.56	<0.01%	<0.01		1.00
HIGH	4	3.28	1.92 to 5.60	39.51%	4.96		0.17
						5.24	0.02

BLACK CARIBBEAN

ANALYSIS	NUMBER OF EFFECT SIZES	RELATIVE RISK	95% CI	I ²	Q _W	Q _B	P- VALUE
<u>NON-AFFECTIVE PSYCHOSES</u>							
AVERAGE ESTIMATE (SCHIZOPHRENIA)	21	5.20	4.33 to 6.24	69.42%	65.40		<0.01
DIAGNOSIS							
NON-AFFECTIVE UNSPECIFIED	3	5.98	4.90 to 7.30	0.00%	1.49		0.47
SCHIZOPHRENIA	21	5.20	4.33 to 6.24	69.42%	65.40		<0.01
						1.03	0.31
GENDER							
MALE	8	4.70	3.47 to 6.37	65.06%	20.03		0.01
FEMALE	8	4.57	2.99 to 6.99	71.96%	24.96		<0.01
						0.01	0.92
AGE							
16-29 YEARS	5	5.95	2.69 to 13.20	88.34%	34.31		<0.01
30+ YEARS	7	3.61	2.10 to 6.19	42.86%	10.50		0.11
						1.04	0.31

LOCATION							
LONDON	13	4.70	3.64 to 6.07	62.21%	31.76		<0.01
OUTSIDE LONDON	8	6.50	4.98 to 8.48	34.21%	10.64		0.16
						2.96	0.09
QUALITY							
LOWER	16	5.43	4.57 to 6.45	55.11%	33.42		<0.01
HIGH	5	4.26	2.26 to 8.02	87.41%	31.78		<0.01
						0.53	0.47
<u>AFFECTIVE PSYCHOSES</u>							
AVERAGE ESTIMATE	16	2.91	1.78 to 4.74	91.94%	186.07		<0.01
DIAGNOSIS							
AFFECTIVE (UNSPECIFIED)	4	1.19	0.60 to 2.35	92.27%	38.83		<0.01
AFFECTIVE PSYCHOSES	13	3.95	2.62 to 5.96	76.18%	50.37		<0.01
						8.74	<0.01
GENDER							
MALE	5	2.41	1.05 to 5.57	79.70%	19.70		<0.01
FEMALE	4	2.29	0.90 to 5.80	90.24%	30.75		<0.01
						0.01	0.93
AGE							
16-29 YEARS	2	2.51	1.62 to 3.90	<0.01%	0.52		0.47
30+ YEARS	2	0.49	0.24 to 0.99	<0.01%	0.01		0.92
						14.87	<0.01
LOCATION							
LONDON	10	3.19	2.01 to 5.06	84.53%	58.19		<0.01
OUTSIDE LONDON	6	4.06	1.19 to 13.86	86.86%	38.06		<0.01
						0.13	0.72
QUALITY							
LOWER	12	2.30	1.36 to 3.88	91.48%	129.14		<0.01
HIGH	4	5.55	3.08 to 10.00	63.68%	8.26		0.04
						4.81	0.03

SOUTH ASIAN

ANALYSIS	NUMBER OF EFFECT SIZES	RELATIVE RISK	95% CI	I ²	Q _W	Q _B	P- VALUE
<u>NON-AFFECTIVE PSYCHOSES</u>							
AVERAGE ESTIMATE (SCHIZOPHRENIA)	14	2.27	1.63 to 3.16	84.79%	85.48		<0.01
NATIONALITY							
INDIAN	6	1.94	1.20 to 3.13	74.95%	19.96		<0.01
PAKISTANI	3	3.76	1.69 to 8.39	65.77%	5.84		0.05
BANGLADESHI	3	2.21	1.21 to 4.04	37.28%	3.19		0.20
						1.96	0.38
DIAGNOSIS							
NON-AFFECTIVE UNSPECIFIED	5	2.16	1.40 to 3.34	51.97%	8.33		0.08
SCHIZOPHRENIA	14	2.27	1.63 to 3.16	84.79%	85.48		<0.01
						0.03	0.85
GENDER							
MALE	7	1.35	1.09 to 1.67	<0.01%	5.71		0.46
FEMALE	7	2.41	1.63 to 3.58	38.98%	9.83		0.13
						6.52	0.01
AGE							
16-29 YEARS	2	0.49	0.22 to 1.11	<0.01%	0.20		0.66
30+ YEARS	3	2.21	0.95 to 5.15	58.69%	4.84		0.09
						6.31	0.01
LOCATION							
LONDON	4	1.86	1.04 to 3.34	67.98%	9.37		0.02
OUTSIDE LONDON	6	3.21	1.86 to 5.53	74.17%	19.36		<0.01
						1.78	0.18
QUALITY							
LOWER	7	2.49	1.52 to 4.08	91.16%	67.89		<0.01

HIGH	7	2.01	1.31 to 3.08	62.54%	16.02	0.42	0.01 0.52
<u>AFFECTIVE PSYCHOSES</u>							
AVERAGE ESTIMATE	8	1.71	1.07 to 2.72	70.57%	23.79		<0.01
NATIONALITY							
INDIAN	2	0.92	0.77 to 1.11	<0.01%	0.66		0.41
PAKISTANI	3	1.80	0.70 to 4.60	77.35%	8.83		0.01
BANGLADESHI	2	1.47	0.76 to 2.83	<0.01%	0.94	3.45	0.33 0.18
DIAGNOSIS							
AFFECTIVE (UNSPECIFIED)	1	0.92	0.79 to 1.07	<0.01%	<0.01		1.00
AFFECTIVE PSYCHOSES	7	1.96	1.29 to 2.96	30.76%	8.67	11.32	0.19 <0.01
GENDER							
MALE	1	4.40	1.29 to 15.00	<0.01%	<0.01		1.00
FEMALE	1	1.50	0.20 to 11.07	<0.01%	<0.01	0.81	1.00 0.37
AGE							
16-29 YEARS	1	0.99	0.23 to 4.25	<0.01%	<0.01		1.00
30+ YEARS	1	0.65	0.16 to 2.67	<0.01%	<0.01	0.17	1.00 0.68
LOCATION							
LONDON	2	1.41	0.83 to 2.39	<0.01%	0.01		0.93
OUTSIDE LONDON	5	2.18	1.11 to 4.30	44.94%	7.27	1.00	0.12 0.32
QUALITY							
LOWER	3	1.05	0.68 to 1.64	46.07%	3.71		0.16
HIGH	5	2.32	1.45 to 3.69	19.15%	4.95	5.77	0.29 0.02

WHITE OTHER

ANALYSIS	NUMBER OF EFFECT SIZES	RELATIVE RISK	95% CI	I ²	Q _W	Q _B	P- VALUE
<u>NON-AFFECTIVE PSYCHOSES</u>							
AVERAGE ESTIMATE	9	2.24	1.59 to 3.14	92.39%	105.13		<0.01
(SCHIZOPHRENIA)							
NATIONALITY							
IRISH	4	2.60	1.67 to 4.05	92.86%	42.02		<0.01
EASTERN EUROPEAN	3	4.50	3.10 to 6.53	61.73%	5.23	3.44	0.07 0.06
DIAGNOSIS							
NON-AFFECTIVE UNSPECIFIED	2	1.45	0.77 to 2.72	89.45%	9.48		<0.01
SCHIZOPHRENIA	9	2.24	1.59 to 3.14	92.39%	105.13	1.41	<0.01 0.24
GENDER							
MALE	5	1.96	1.29 to 2.97	62.62%	10.70		0.03
FEMALE	5	2.81	2.01 to 3.94	35.94%	6.24	1.76	0.18 0.18
LOCATION							
LONDON	2	1.50	1.20 to 1.88	<0.01%	<0.01		0.98
OUTSIDE LONDON	3	3.08	1.03 to 9.24	96.61%	59.01	1.58	<0.01 0.21
QUALITY							
LOWER	6	2.62	1.74 to 3.94	94.04%	83.93		<0.01
HIGH	3	1.57	0.95 to 2.60	76.47%	8.50	2.40	0.01 0.12

<u>AFFECTIVE PSYCHOSES</u>							
AVERAGE ESTIMATE	5	1.55	1.32 to 1.83	33.24%	5.99		0.20
NATIONALITY							
IRISH	2	2.01	1.63 to 2.47	50.65%	2.03		0.15
EASTERN EUROPEAN	2	1.10	0.84 to 1.45	<0.01%	0.37		0.54
						11.75	<0.01
DIAGNOSIS							
AFFECTIVE (UNSPECIFIED)	3	1.45	1.33 to 1.58	<0.01%	1.97		0.37
AFFECTIVE PSYCHOSES	3	2.05	1.45 to 2.92	<0.01%	0.47		0.79
						3.60	0.06
GENDER							
MALE	2	1.77	1.18 to 2.64	<0.01%	<0.01		0.99
FEMALE	2	1.40	0.91 to 2.14	46.81%	1.88		0.17
						0.61	0.43
LOCATION							
LONDON	2	1.83	1.41 to 2.39	<0.01%	0.97		0.32
OUTSIDE LONDON	2	1.39	0.94 to 2.07	19.94%	1.25		0.26
						1.29	0.26
QUALITY							
LOWER	3	1.45	1.33 to 1.58	<0.01%	1.97		0.37
HIGH	2	2.09	1.46 to 2.98	<0.01%	0.18		0.67
						3.84	0.05

MIXED ETHNICITY							
<i>ANALYSIS</i>	<i>NUMBER OF EFFECT SIZES</i>	<i>RELATIVE RISK</i>	<i>95% CI</i>	<i>I²</i>	<i>Q_W</i>	<i>Q_B</i>	<i>P- VALUE</i>
<u>NON-AFFECTIVE PSYCHOSES</u>							
AVERAGE ESTIMATE (SCHIZOPHRENIA)	4	2.24	1.32 to 3.80	18.88%	3.70		0.30
DIAGNOSIS							
NON-AFFECTIVE UNSPECIFIED	3	1.95	0.88 to 4.32	79.61%	9.81		0.01
SCHIZOPHRENIA	4	2.24	1.32 to 3.80	18.88%	3.70		0.30
						0.08	0.78
GENDER							
MALE	2	2.38	1.11 to 5.11	<0.01%	0.82		0.36
FEMALE	3	4.08	1.57 to 10.63	29.13%	2.82		0.24
						0.74	0.39
LOCATION							
LONDON	2	1.82	0.36 to 9.07	71.15%	3.47		0.06
OUTSIDE LONDON	1	1.97	0.81 to 4.79	<0.01%	<0.01		1.00
						0.01	0.93
<u>AFFECTIVE PSYCHOSES</u>							
AVERAGE ESTIMATE	4	6.16	3.99 to 9.52	5.13%	3.16		0.37
GENDER							
MALE	2	7.04	3.08 to 16.06	<0.01%	0.28		0.60
FEMALE	2	3.39	1.21 to 9.49	<0.01%	0.09		0.76
						1.18	0.28
LOCATION							
LONDON	2	4.43	0.49 to 40.36	77.68%	4.48		0.03
OUTSIDE LONDON	2	7.53	2.96 to 19.15	50.40%	2.02		0.16
						0.19	0.66

Table abbreviations: CI = confidence intervals
I²(-statistic); (Cochran's) Q_W = measures of within-group heterogeneity
(Cochran's) Q_B = measure of between-group heterogeneity