

THE LANCET Psychiatry

Supplementary appendix

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

Supplement to: Barnett P, Mackay E, Matthews H, et al. Ethnic variations in compulsory detention under the Mental Health Act: a systematic review and meta-analysis of international data. *Lancet Psychiatry* 2019; published online March 4. [http://dx.doi.org/10.1016/S2215-0366\(19\)30027-6](http://dx.doi.org/10.1016/S2215-0366(19)30027-6).

Appendices

Search Strategy: Databases and dates searched

Name of database	Date of search from:	Date of search to:	Records retrieved	Notes
MEDLINE	1946	11-11-17	2304	
PsycINFO	1806	Week2-Nov-2017	4319	(no study filter applied)
Embase	1974	Week47-2017	2515	
CENTRAL & other CLib databases	All years	Issue 10, October 2017	1070	
CINAHL	1981	30-11-17	1671	(no study filter applied)
Other (Ovid XSearch (<i>Review & MHA</i>): <i>Ti</i> (<i>additional records not retrieved by other searches</i>))	All available years	30-11-17	36	
		Total	11915	
		De-duplicated	9511	

Database(s): **Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to 27-Nov-2017**

#	Searches	Results
1	Minority Groups/	12974
2	Minority Health/	664
3	exp Population Groups/	285829
4	exp Ethnic Groups/	147240
5	(ethnic* or multi-ethnic* or multiethnic* or indig* or aborig* or native* or inuit* or eskimo* or kalaallit* or amerind* or romany or romani* or gypsies or gipsies).ti,ab,kf,hw.	424738
6	(african or africaan or caribbean* or afro-caribbean* or afrocaribbean* or asian* or bangladeshi* or chinese or indian* or pakistani* or somali*).ti,ab,kf,hw.	572531
7	(black or blacks).ti. or (black adj3 (patient? or men or women or adult? or adolesc* or teen* or young* or youth? or old* or elder*)).ti,ab,kf.	49411
8	(BME or BAME).ti,ab,kf.	1348
9	"Emigrants and Immigrants"/	10375
10	Refugees/	8986
11	Cultural diversity/	11130
12	Cross Cultural Comparison/	26137
13	exp Human Migration/	26128
14	(refugee* or immigrant* or asyl* adj1 seek*) or foreign* or ethnic* or minorit* or race or racial* or (multi adj cultural*) or multicultural* or (newly adj arrived) or ((family or families) adj2 reuni*) or resettlement).ti,ab,kf.	364570
15	(cultural or culture or race or racial or nonwhite? or non-white? or (non uk adj (born or national))).ti,ab,kf.	770214
16	(minority adj2 (health* or group?)).ti,ab,kf.	7018
17	(ethnology and utilization).fs.	7036
18	or/1-17	1801552
19	Mental Health Act.ti,ab,kf. and statistics & numerical data.fs.	185
20	Commitment of Mentally Ill/ and ethnology.fs.	121
21	(mental health adj (act? or law? or legal* or legislat* or jurisprudence)).mp.	1817
22	Commitment of mentally ill/	7142
23	(Mental Disorders/eh or exp Psychotic Disorders/eh) and (psychiatric morbidity.ti,ab,kf. or incidence/ or prevalence/)	479
24	or/21-23	8705

25	Emergency Services, Psychiatric/	2483
26	Hospitals, psychiatric/ and (Crisis intervention/ or emergenc*.ti,kf,hw.)	535
27	(psychiatric adj3 (in-patients or inpatients or morbidity)).ti,ab,kf.	10223
28	*mental disorders/	125164
29	exp "schizophrenia spectrum and other psychotic disorders"/	145117
30	Forensic Psychiatry/	9307
31	((((mental or psychiatr*) adj (health or disorder* or disease* or deficien* or illness* or problem*)) or psychotic or psychosis or psychoses or psychopath* or schizo* or SMI or bipolar or ((suicid* or self-harm) adj3 (risk or crisis or crises))).ti,ab,kf.	464216
32	((psychiatr* or psychology or health or medicine) and (law or legal or legislat* or jurisprudence)).jw.	40900
33	or/25-32	587393
34	((commit* or admission? or admitt* or detain* or detention? or section* or hospitali#ation?) adj3 (coerc* or compuls* or forced or enforced or involuntary or in-voluntary or rate? or status)).ti,ab,kf.	28627
35	admission?.ab. /freq=2	65874
36	acute admission?.ti,ab,kf.	757
37	((police or policing or local authority polic*) and (admission? or referral?)).ti,ab,kf,hw.	864
38	((prison* or custody or incarcerat*) adj3 (transfer* or transition* or referral?)).ti,ab,kf,hw.	213
39	legal status.ti,ab,kf.	1522
40	*hospitalization/	35808
41	*Hospitals, Psychiatric/ut	779
42	Psychiatry Department, Hospital/ut	0
43	coercion/	4476
44	(detention? or admission? or hospitali#ation? or institutional#ed).ti,kf.	42481
45	((treatment or restriction or court or compulsory) adj order?).ti,ab,kf.	1273
46	(hospitalization/ or patient admission/ or patient discharge/ or patient handoff/ or patient readmission/ or patient transfer/) and ethnology.fs.	2117
47	(Prevalence/ or Incidence/) and (mental health services/ or community mental health services/ or emergency services, psychiatric/) and utilization.fs.	1011
48	(pathway* adj3 (care or hospital* or psychiatr*)).ti,ab,kf.	4872
49	critical pathways/	6245
50	pathway?.ti.	177461
51	"route? to care".ti,ab,kf.	78

52	exp General Practice/ and diagnosis.fs.	10952
53	(continuity adj3 care).ti,ab,kf. and ((health services or community) and (followup or follow-up or interview* or questionnaire* or focus group*)).ti,ab,kf,hw.	1173
54	conditional* discharge?.ti,ab,kf.	32
55	revolving door?.ti,ab,kf.	326
56	(readmission? or re-admission? or recurrence?).ti,kf,hw.	320825
57	or/34-56	650917
58	(18 and 24) or (18 and 33 and 57)	3616
59	randomized controlled trial.pt.	505458
60	(randomi#ed or randomi#ation or randomi#ing).ti,ab,kf.	580948
61	(RCT or "at random" or (random* adj3 (assign* or allocat* or control* or crossover or cross-over or design* or divide* or division or number))).ti,ab,kf.	450978
62	(control* and (placebo or waitlist* or wait* list* or ((treatment or care) adj2 usual) or no intervention* or non intervention* or non-intervention* or without any intervention*).ti,ab,kf,hw.	211050
63	(control group? or (controlled adj (trial or study))).ti,ab,kf.	538179
64	((single or double) adj blind*).ti,ab,kf,hw.	232155
65	comparative study.pt.	1936005
66	or/59-65	2955543
67	58 and 66	821
68	Epidemiologic studies/	8123
69	(epidemiologic* adj3 survey?).ti,ab,kf.	10377
70	exp case control studies/	974962
71	exp cohort studies/	1866550
72	(case control or case series or (case adj (records or reports))).ti,ab,kf.	258883
73	(cohort adj (study or studies)).ti,ab,kf.	162615
74	cohort analy\$.ti,ab,kf.	7226
75	((followup or follow-up) adj (study or studies)).ti,ab,kf,hw.	661042
76	((followup or follow-up) adj5 (interview* or questionnaire* or focus group*)).ti,ab,kf.	12677
77	((observational or comparative) adj (study or studies)).ti,ab,kf,hw.	2088622
78	(prospective or retrospective).ti,ab,kf.	930060
79	longitudinal.ti,ab,kf.	217616
80	cross sectional.ti,ab,kf,hw.	396355

81	((study or research) and (data or analys*)).ti,ab,kf.	3057861
82	((qualitative or quantitative) adj (analysis or study or studies)).ti,ab,kf.	103145
83	or/68-82	6512693
84	58 and 83	2241
85	meta-analysis.pt. or (meta-analys* or meta analys* or metaanalys* or meta synth* or meta-synth* or metasynth*).ti,ab,kf,hw.	163036
86	(systematic or structured or evidence or trials or studies).ti. and ((review or overview or look or examination or update* or summary).ti. or review.pt.)	163508
87	(0266-4623 or 1469-493X or 1366-5278 or 1530-440X or 2046-4053).is.	17868
88	meta-analysis.pt. or (meta-analys* or meta analys* or metaanalys* or meta synth* or meta-synth* or metasynth*).ti,ab,kf,hw.	163036
89	((systematic or meta) adj2 (analys* or review)).ti,kf. or ((systematic* or quantitativ* or methodologic*) adj5 (review* or overview*)).ti,ab,kf,sh. or (quantitativ\$ adj5 synthesis\$).ti,ab,kf,hw.	195064
90	(integrative research review* or research integration).tw. or scoping review?.ti,kf. or (review.ti,kf,pt. and (trials as topic or studies as topic).hw.) or (evidence adj3 review*).ti,ab,kf.	180005
91	or/85-90	439179
92	(22 or ((33 and (34 or 43 or 44 or 45)) or 58)) and 91	284
93	19 or 20 or 67 or 84 or 92	2720
94	18 and 33 and 36	15
95	93 or 94	2725
96	remove duplicates from 95	2304

Final search string (#95):

((Mental Health Act.ti,ab,kf. and statistics & numerical data.fs.) or (Commitment of Mentally Ill/ and ethnology.fs.) or (((((Minority Groups/) or (Minority Health/) or (exp Population Groups/) or (exp Ethnic Groups/) or ((ethnic* or multi-ethnic* or multiethnic* or indig* or aborig* or native* or inuit* or eskimo* or kalaallit* or amerind* or romany or romani* or gypsies or gipsies).ti,ab,kf,hw.) or ((african or africaan or caribbean* or afro-caribbean* or afrocaribbean* or asian* or bangladeshi* or chinese or indian* or pakistani* or somali*).ti,ab,kf,hw.) or ((black or blacks).ti. or (black adj3 (patient? or men or women or adult? or adolesc* or teen* or young* or youth? or old* or elder*).ti,ab,kf.) or ((BME or BAME).ti,ab,kf.) or ("Emigrants and Immigrants"/) or (Refugees/) or (Cultural diversity/) or (Cross Cultural Comparison/) or (exp Human Migration/) or ((refugee* or immigrant* or asyl* adj1 seek*) or foreign* or ethnic* or minorit* or race or racial* or (multi adj cultural*) or multicultural* or (newly adj arrived) or ((family or families) adj2 reuni*) or resettlement).ti,ab,kf.) or ((cultural or culture or race or racial or nonwhite? or non-white? or (non uk adj (born or national))),ti,ab,kf.) or ((minority adj2 (health* or group?)).ti,ab,kf.) or ((ethnology and utilization).fs.) and (21 or 22 or 23)) or (((Minority Groups/) or (Minority Health/) or (exp Population Groups/) or (exp Ethnic Groups/) or ((ethnic* or multi-ethnic* or multiethnic* or indig* or aborig* or native* or inuit* or eskimo* or kalaallit* or amerind* or romany or romani* or gypsies or

gipsies).ti,ab,kf,hw.) or ((african or africaan or caribbean* or afro-caribbean* or afrocaribbean* or asian* or bangladeshi* or chinese or indian* or pakistani* or somali*).ti,ab,kf,hw.) or ((black or blacks).ti. or (black adj3 (patient? or men or women or adult? or adolesc* or teen* or young* or youth? or old* or elder*).ti,ab,kf.) or ((BME or BAME).ti,ab,kf.) or ("Emigrants and Immigrants"/) or (Refugees/) or (Cultural diversity/) or (Cross Cultural Comparison/) or (exp Human Migration/) or ((refugee* or immigrant* or asyl* adj1 seek*) or foreign* or ethnic* or minorit* or race or racial* or (multi adj cultural*) or multicultural* or (newly adj arrived) or ((family or families) adj2 reuni*) or resettlement).ti,ab,kf.) or ((cultural or culture or race or racial or nonwhite? or non-white? or (non uk adj (born or national))).ti,ab,kf.) or ((minority adj2 (health* or group?)).ti,ab,kf.) or ((ethnology and utilization).fs.) and ((Emergency Services, Psychiatric/) or (Hospitals, psychiatric/ and (Crisis intervention/ or emergenc*.ti,kf,hw.)) or ((psychiatric adj3 (in-patients or inpatients or morbidity)).ti,ab,kf.) or (*mental disorders/) or (exp "schizophrenia spectrum and other psychotic disorders"/) or (Forensic Psychiatry/) or (((mental or psychiatr*) adj (health or disorder* or disease* or deficien* or illness* or problem*)) or psychotic or psychosis or psychoses or psychopath* or schizo* or SMI or bipolar or ((suicid* or self-harm) adj3 (risk or crisis or crises)).ti,ab,kf.) or (((psychiatr* or psychology or health or medicine)) and (((commit* or admission? or admitt* or detain* or detention? or section* or hospitali#ation?) adj3 (coerc* or compuls* or forced or enforced or involuntary or in-voluntary or rate? or status)).ti,ab,kf.) or (admission?.ab. /freq=2) or (acute admission?.ti,ab,kf.) or (((police or policing or local authority polic*) and (admission? or referral?)).ti,ab,kf,hw.) or (((prison* or custody or incarcerat*) adj3 (transfer* or transition* or referral?)).ti,ab,kf,hw.) or (legal status.ti,ab,kf.) or (*hospitalization/) or (*Hospitals, Psychiatric/ut) or (Psychiatry Department, Hospital/ut) or (coercion/) or ((detention? or admission? or hospitali#ation? or institutional#ed).ti,kf.) or (((treatment or restriction or court or compulsory) adj order?).ti,ab,kf.) or ((hospitalization/ or patient admission/ or patient discharge/ or patient handoff/ or patient readmission/ or patient transfer/) and ethnology.fs.) or ((Prevalence/ or Incidence/) and (mental health services/ or community mental health services/ or emergency services, psychiatric/) and utilization.fs.) or ((pathway* adj3 (care or hospital* or psychiatr*).ti,ab,kf.) or (critical pathways/) or (pathway?.ti.) or ("route? to care".ti,ab,kf.) or (exp General Practice/ and diagnosis.fs.) or ((continuity adj3 care).ti,ab,kf. and ((health services or community) and (followup or follow-up or interview* or questionnaire* or focus group*).ti,ab,kf,hw.) or (conditional* discharge?.ti,ab,kf.) or (revolving door?.ti,ab,kf.) or ((readmission? or re-admission? or recurrence?).ti,kf,hw.)) and ((randomized controlled trial.pt.) or ((randomi#ed or randomi#ation or randomi#ing).ti,ab,kf.) or ((RCT or "at random" or (random* adj3 (assign* or allocat* or control* or crossover or cross-over or design* or divide* or division or number))).ti,ab,kf.) or ((control* and (placebo or waitlist* or wait* list* or ((treatment or care) adj2 usual) or no intervention* or non intervention* or non-intervention* or without any intervention*).ti,ab,kf,hw.) or ((control group? or (controlled adj (trial or study))).ti,ab,kf.) or (((single or double) adj blind*).ti,ab,kf,hw.) or (comparative study.pt.)) or (((Minority Groups/) or (Minority Health/) or (exp Population Groups/) or (exp Ethnic Groups/) or ((ethnic* or multi-ethnic* or multiethnic* or indig* or aborig* or native* or inuit* or eskimo* or kalaallit* or amerind* or romany or romani* or gypsies or gipsies).ti,ab,kf,hw.) or ((african or africaan or caribbean* or afro-caribbean* or afrocaribbean* or asian* or bangladeshi* or chinese or indian* or pakistani* or somali*).ti,ab,kf,hw.) or ((black or blacks).ti. or (black adj3 (patient? or men or women or adult? or adolesc* or teen* or young* or youth? or old* or elder*).ti,ab,kf.) or ((BME or BAME).ti,ab,kf.) or ("Emigrants and Immigrants"/) or (Refugees/) or (Cultural diversity/) or (Cross Cultural Comparison/) or (exp Human Migration/) or ((refugee* or immigrant* or asyl* adj1 seek*) or foreign* or ethnic* or minorit* or race or racial* or (multi adj cultural*) or multicultural* or (newly adj arrived) or ((family or families) adj2 reuni*) or resettlement).ti,ab,kf.) or ((cultural or culture or race or racial or nonwhite? or non-white? or (non uk adj (born or national))).ti,ab,kf.) or ((minority adj2 (health* or group?)).ti,ab,kf.) or ((ethnology and utilization).fs.)) and (((mental health adj (act? or law? or legal* or legislat* or jurisprudence)).mp.) or (Commitment of mentally ill/) or ((Mental Disorders/eh or exp Psychotic Disorders/eh) and (psychiatric morbidity.ti,ab,kf. or incidence/ or prevalence/)) or (((Minority Groups/) or (Minority Health/) or (exp Population Groups/) or (exp Ethnic Groups/) or ((ethnic* or multi-ethnic* or multiethnic* or indig* or aborig* or native* or inuit* or eskimo* or kalaallit* or amerind* or romany or romani* or gypsies or gipsies).ti,ab,kf,hw.) or ((african or africaan or caribbean* or afro-caribbean* or afrocaribbean* or asian* or bangladeshi* or chinese or indian* or pakistani* or somali*).ti,ab,kf,hw.) or ((black or blacks).ti. or (black adj3 (patient? or men or women or adult? or adolesc* or teen* or young* or youth? or old* or elder*).ti,ab,kf.) or ((BME or BAME).ti,ab,kf.) or ("Emigrants and Immigrants"/) or (Refugees/) or (Cultural diversity/) or (Cross Cultural Comparison/) or (exp Human Migration/) or ((refugee* or immigrant* or asyl* adj1 seek*) or foreign* or ethnic* or minorit* or race or racial* or (multi adj cultural*) or multicultural* or (newly adj arrived) or ((family or families) adj2 reuni*) or resettlement).ti,ab,kf.) or ((cultural or culture or race or racial or nonwhite? or non-white? or (non uk adj (born or national))).ti,ab,kf.) or ((minority adj2 (health* or group?)).ti,ab,kf.) or ((ethnology and utilization).fs.)) and ((Emergency Services, Psychiatric/) or (Hospitals, psychiatric/ and (Crisis intervention/ or emergenc*.ti,kf,hw.)) or ((psychiatric adj3 (in-patients or inpatients or morbidity)).ti,ab,kf.) or (*mental disorders/) or (exp "schizophrenia spectrum and other psychotic disorders"/) or (Forensic Psychiatry/) or (((mental or psychiatr*) adj (health or disorder* or disease* or deficien* or illness* or problem*)) or psychotic or psychosis or psychoses or psychopath* or schizo* or SMI or bipolar or ((suicid* or self-harm) adj3 (risk or crisis or crises)).ti,ab,kf.) or (((psychiatr* or psychology or health or

medicine) and (law or legal or legislat* or jurisprudence)).jw.)) and ((commit* or admission? or admitt* or detain* or detention? or section* or hospitali#ation?) adj3 (coerc* or compuls* or forced or enforced or involuntary or involuntary or rate? or status)).ti,ab,kf.) or (admission?.ab. /freq=2) or (acute admission?.ti,ab,kf.) or (((police or policing or local authority polic*) and (admission? or referral?)).ti,ab,kf,hw.) or (((prison* or custody or incarcerat*) adj3 (transfer* or transition* or referral?)).ti,ab,kf,hw.) or (legal status.ti,ab,kf.) or (*hospitalization/) or (*Hospitals, Psychiatric/ut) or (Psychiatry Department, Hospital/ut) or (coercion/) or ((detention? or admission? or hospitali#ation? or institutional#ed).ti,kf.) or (((treatment or restriction or court or compulsory) adj order?).ti,ab,kf.) or ((hospitalization/ or patient admission/ or patient discharge/ or patient handoff/ or patient readmission/ or patient transfer/) and ethnology.fs.) or ((Prevalence/ or Incidence/) and (mental health services/ or community mental health services/ or emergency services, psychiatric/) and utilization.fs.) or ((pathway* adj3 (care or hospital* or psychiatr*).ti,ab,kf.) or (critical pathways/) or (pathway?.ti.) or ("route? to care".ti,ab,kf.) or (exp General Practice/ and diagnosis.fs.) or ((continuity adj3 care).ti,ab,kf. and ((health services or community) and (followup or follow-up or interview* or questionnaire* or focus group*).ti,ab,kf,hw.) or (conditional* discharge?.ti,ab,kf.) or (revolving door?.ti,ab,kf.) or ((readmission? or re-admission? or recurrence?).ti,kf,hw.))))) and ((Epidemiologic studies/) or ((epidemiologic* adj3 survey?).ti,ab,kf.) or (exp case control studies/) or (exp cohort studies/) or ((case control or case series or (case adj (records or reports)).ti,ab,kf.) or ((cohort adj (study or studies)).ti,ab,kf.) or (cohort analy\$.ti,ab,kf.) or (((followup or follow-up) adj (study or studies)).ti,ab,kf,hw.) or (((followup or follow-up) adj5 (interview* or questionnaire* or focus group*).ti,ab,kf.) or (((observational or comparative) adj (study or studies)).ti,ab,kf,hw.) or ((prospective or retrospective).ti,ab,kf.) or (longitudinal.ti,ab,kf.) or (cross sectional.ti,ab,kf,hw.) or (((study or research) and (data or analys*).ti,ab,kf.) or (((qualitative or quantitative) adj (analysis or study or studies)).ti,ab,kf.)) or (((Commitment of mentally ill/) or (((Emergency Services, Psychiatric/) or (Hospitals, psychiatric/ and (Crisis intervention/ or emergenc*.ti,kf,hw.)) or ((psychiatric adj3 (in-patients or inpatients or morbidity)).ti,ab,kf.) or (*mental disorders/) or (exp "schizophrenia spectrum and other psychotic disorders"/) or (Forensic Psychiatry/) or (((mental or psychiatr*) adj (health or disorder* or disease* or deficien* or illness* or problem*)) or psychotic or psychosis or psychoses or psychopath* or schizo* or SMI or bipolar or ((suicid* or self-harm) adj3 (risk or crisis or crises)).ti,ab,kf.) or (((psychiatr* or psychology or health or medicine) and (law or legal or legislat* or jurisprudence)).jw.)) and (((commit* or admission? or admitt* or detain* or detention? or section* or hospitali#ation?) adj3 (coerc* or compuls* or forced or enforced or involuntary or involuntary or rate? or status)).ti,ab,kf.) or (coercion/) or ((detention? or admission? or hospitali#ation? or institutional#ed).ti,kf.) or (((treatment or restriction or court or compulsory) adj order?).ti,ab,kf.)) or (revolving door?.ti,ab,kf.)) and ((meta-analysis.pt. or (meta-analys* or meta analys* or metaanalys* or meta synth* or meta-synth* or metasynth*).ti,ab,kf,hw.) or ((systematic or structured or evidence or trials or studies).ti. and ((review or overview or look or examination or update* or summary).ti. or review.pt.)) or ((0266-4623 or 1469-493X or 1366-5278 or 1530-440X or 2046-4053).is.) or (meta-analysis.pt. or (meta-analys* or meta analys* or metaanalys* or meta synth* or meta-synth* or metasynth*).ti,ab,kf,hw.) or (((systematic or meta) adj2 (analys* or review)).ti,kf. or ((systematic* or quantitativ* or methodologic*) adj5 (review* or overview*).ti,ab,kf,sh. or (quantitativ\$ adj5 synthesis\$.ti,ab,kf,hw.) or ((integrative research review* or research integration).tw. or scoping review?.ti,kf. or (review.ti,kf,pt. and (trials as topic or studies as topic).hw.) or (evidence adj3 review*).ti,ab,kf.))))) or (((Minority Groups/) or (Minority Health/) or (exp Population Groups/) or (exp Ethnic Groups/) or ((ethnic* or multi-ethnic* or multiethnic* or indig* or aborig* or native* or inuit* or eskimo* or kalaallit* or amerind* or romany or romani* or gypsies or gipsies).ti,ab,kf,hw.) or ((african or africaan or caribbean* or afro-caribbean* or afrocaribbean* or asian* or bangladeshi* or chinese or indian* or pakistani* or somali*).ti,ab,kf,hw.) or ((black or blacks).ti. or (black adj3 (patient? or men or women or adult? or adolesc* or teen* or young* or youth? or old* or elder*).ti,ab,kf.) or ((BME or BAME).ti,ab,kf.) or ("Emigrants and Immigrants"/) or (Refugees/) or (Cultural diversity/) or (Cross Cultural Comparison/) or (exp Human Migration/) or ((refugee* or immigrant* or asyl* adj1 seek*) or foreign* or ethnic* or minorit* or race or racial* or (multi adj cultural*) or multicultural* or (newly adj arrived) or ((family or families) adj2 reuni*) or resettlement).ti,ab,kf.) or ((cultural or culture or race or racial or nonwhite? or non-white? or (non uk adj (born or national))).ti,ab,kf.) or ((minority adj2 (health* or group?)).ti,ab,kf.) or ((ethnology and utilization).fs.)) and ((Emergency Services, Psychiatric/) or (Hospitals, psychiatric/ and (Crisis intervention/ or emergenc*.ti,kf,hw.)) or ((psychiatric adj3 (in-patients or inpatients or morbidity)).ti,ab,kf.) or (*mental disorders/) or (exp "schizophrenia spectrum and other psychotic disorders"/) or (Forensic Psychiatry/) or (((mental or psychiatr*) adj (health or disorder* or disease* or deficien* or illness* or problem*)) or psychotic or psychosis or psychoses or psychopath* or schizo* or SMI or bipolar or ((suicid* or self-harm) adj3 (risk or crisis or crises)).ti,ab,kf.) or (((psychiatr* or psychology or health or medicine) and (law or legal or legislat* or jurisprudence)).jw.)) and (acute admission?.ti,ab,kf.))

Ovid PsycINFO 1806 to November Week 2 2017

#	Searches	Results
1	ethnology/ or ethnography/	9667
2	Minority Groups/	13352
3	exp Ethnic Groups/	115331
4	exp "racial and ethnic groups"/	115331
5	ethnic identity/ or multiracial/	14571
6	"racial and ethnic differences"/ or cross cultural differences/ or cross cultural psychology/ or exp cross cultural treatment/ or multiculturalism/ or multiracial/ or "race and ethnic discrimination"/	91506
7	Transcultural Psychiatry/	980
8	(ethnic* or multi-ethnic* or multiethnic* or indig* or aborig* or native* or inuit* or eskimo* or kalaallit* or amerind* or romany or romani* or gypsies or gipsies).ti,ab,id,hw.	149280
9	(african or africaan or caribbean* or afro-caribbean* or afrocaribbean* or asian* or bangladeshi* or chinese or indian* or pakistani* or somali*).ti,ab,id,hw.	142544
10	(black or blacks).ti. or (black adj3 (patient? or men or women or adult? or adolesc* or teen* or young* or youth? or old* or elder*)).ti,ab,id.	23006
11	(BME or BAME).ti,ab,id.	217
12	Refugees/	4804
13	exp Human Migration/	10386
14	(refugee* or immigrant* or (asyl* adj1 seek*) or foreign* or ethnic* or minorit* or race or racial* or (multi adj cultural*) or multicultural* or (newly adj arrived) or ((family or families) adj2 reuni*) or resettlement).ti,ab,id.	210531
15	(cultural or culture or race or racial or nonwhite? or non-white? or (non uk adj (born or national))).ti,ab,id.	309405
16	(minority adj2 (health* or group?)).ti,ab,id.	9020
17	*sociocultural factors/	28237
18	client characteristics/	16419
19	*demographic characteristics/	19573
20	or/1-19	573586
21	exp "Commitment (Psychiatric)"/	1764
22	(mental health adj2 (act? or law? or legal* or legislat* or jurisprudence)).ti,ab,id.	2884
23	forensic psychology & legal issues.cc.	16320

24	(psychiatric adj3 (in-patients or inpatients or morbidity)).ti,ab,id.	11283
25	*mental disorders/ or exp Psychosis/	165412
26	Psychiatric hospitalization/	6721
27	Psychiatric units/	1737
28	Psychiatric patients/	28078
29	Forensic Psychiatry/	4241
30	*Mental Health Services/	27402
31	(((mental or psychiatr*) adj (health or disorder* or disease* or deficien* or illness* or problem*)) or psychotic or psychosis or psychoses or psychopath* or schizo* or SMI or bipolar or ((suicid* or self-harm) adj3 (risk or crisis or crises))).ti,ab,id.	466104
32	((psychiatr* or psychology or health or medicine) and (law or legal or legislat* or jurisprudence)).jw.	8758
33	or/21-32	521800
34	((commit* or admission? or admitt* or detain* or detention? or section* or hospitali#ation?) adj3 (coerc* or compuls* or forced or enforced or involuntary or in-voluntary or rate? or status)).ti,ab,id.	6644
35	((admit* or admission* or detain* or detention or hospitali#ation) adj3 section).ti,ab,id.	75
36	exp legal detention/	665
37	Court referrals/	694
38	exp Involuntary Treatment/ or assertive community treatment/	1713
39	admission?.ab. /freq=2	10603
40	acute admission?.ti,ab,id.	197
41	((inpatient? or in-patient?) adj2 admission?).ti,ab,id.	1130
42	((police or policing or local authority polic*) and (admission? or referral?)).ti,ab,id,hw.	640
43	((prison* or custody or incarcerat*) adj3 (transfer* or transition* or referral?)).ti,ab,id,hw.	307
44	exp *Legislative Processes/	1886
45	legal status.ti,ab,id.	1211
46	*laws/ or *legal processes/	21000
47	*hospitalization/	4635
48	high-security.ti,ab,id.	449
49	coercion.ti,ab,id,hw.	4879
50	(detention? or admission? or hospitali#ation? or institutional#ed).ti,id.	20392
51	((treatment or restriction or court or compulsory) adj order?).ti,ab,id.	833

52	(pathway* adj3 (care or hospital* or psychiatr*)).ti,ab,id.	1237
53	pathway?.ti.	12275
54	"route? to care".ti,ab,id.	15
55	((outcome? or course or predictor?) and first-episode).ti,id,hw.	767
56	(continuity adj3 care).ti,ab,id. and ((health services or community) and (followup or follow-up or interview* or questionnaire* or focus group*)).ti,ab,id,hw.	240
57	conditional* discharge*.ti,ab,id.	56
58	revolving door?.ti,ab,id.	355
59	(readmission? or re-admission? or recurrence?).ti,id,hw.	3291
60	(*diagnosis/ or *psychodiagnosis/) and *general practitioners/	173
61	utili#ation.ti,id,hw. and (differ* or compar* or prevalence or incidence).ti.	1514
62	or/34-61	81025
63	20 and 33 and 62	3996
64	(Systematic Review or Meta Analysis or Metasynthesis).ti,md,sh.	36533
65	33 and 62 and 64	191
66	63 or 65	4162
67	(afrikaans or albanian or arabic or bulgarian or catalan or chinese or croatian or czech or danish or dutch or estonian or farsi iranian or finnish or french or georgian or german or greek or hebrew or hindi or hungarian or italian or japanese or korean or lithuanian or malaysian or nonenglish or norwegian or polish or portuguese or romanian or russian or serbian or serbo croatian or slovak or slovene or spanish or swedish or turkish or ukrainian or urdu).lg.	308068
68	66 not 67	3894
69	mental health act.id.	321
70	*"commitment (psychiatric)"/	1354
71	(*Mental Health Services/ or *Mental Disorders/) and Inpatient & Hospital Services.cc.	2274
72	*"Racial and Ethnic Differences"/ and Health & Mental Health Services.cc. and utili#ation.mp.	262
73	(*"Racial and Ethnic Differences"/ or exp "racial and ethnic groups"/) and (*"Psychiatric Hospital Admission"/ or *Psychiatric Hospitalization/)	118
74	69 or (21 and (70 or 71)) or 72 or 73	1186
75	(empirical study or followup study or longitudinal study or meta analysis or metasynthesis or prospective study or qualitative study or quantitative study or retrospective study or "systematic review" or treatment outcome).md.	2E+06
76	(74 and 75) not (67 or 68)	425
77	(68 or 76)	4319

Embase 1974 to 2017 Week 47

#	Searches	Results
1	ethnology/ or ethnography/	73575
2	exp ancestry group/	244889
3	Minority Group/	13505
4	exp Ethnic Group/	119954
5	"ethnic or racial aspects"/ or cultural factor/ or ethnic difference/ or ethnicity/ or race/ or race difference/	220166
6	cross cultural differences/ or multiculturalism/	146
7	Transcultural Psychiatry/	101
8	(ethnic* or multi-ethnic* or multiethnic* or indig* or aborig* or native* or inuit* or eskimo* or kalaallit* or amerind* or romany or romani* or gypsies or gipsies).ti,ab,kw,hw.	521368
9	(african or africaan or caribbean* or afro-caribbean* or afrocaribbean* or asian* or bangladeshi* or chinese or indian* or pakistani* or somali*).ti,ab,kw,hw.	666162
10	(black or blacks).ti. or (black adj3 (patient? or men or women or adult? or adolesc* or teen* or young* or youth? or old* or elder*).ti,ab,kw.	52900
11	(BME or BAME).ti,ab,kw.	1739
12	Refugee/	9955
13	exp Human Migration/	42366
14	(refugee* or immigrant* or (asyl* adj1 seek*) or foreign* or ethnic* or minorit* or race or racial* or (multi adj cultural*) or multicultural* or (newly adj arrived) or ((family or families) adj2 reuni*) or resettlement).ti,ab,kw.	437376
15	(cultural or culture or race or racial or nonwhite? or non-white? or (non uk adj (born or national))).ti,ab,kw.	901607
16	(minority adj2 (health* or group?)).ti,ab,kw.	7801
17	or/1-16	2207129
18	(mental health adj2 (act? or law? or legal* or legislat* or jurisprudence)).ti,ab,kw.	2621
19	(psychiatric adj3 (in-patients or inpatients or morbidity)).ti,ab,kw.	12708
20	psychiatric.ti,kw,hw. and hospital patient/	5103
21	*Mental Hospital/ or mental patient/	36793
22	*mental health/ or *mental disease/ or exp Psychosis/	369183
23	*Psychiatric department/	2902
24	Mental Health Services/	47821

25	((mental or psychiatr*) adj (health or disorder* or disease* or deficien* or illness* or problem*)) or psychotic or psychosis or psychoses or psychopath* or schizo* or SMI or bipolar or ((suicid* or self-harm) adj3 (risk or crisis or crises)).ti,ab,kw.	542104
26	or/18-25	701161
27	involuntary commitment/	1019
28	mandatory program/	2206
29	Forensic Psychiatry/	12855
30	((psychiatr* or psychology or health or medicine) and (law or legal or legislat* or jurisprudence)).jw.	33774
31	((commit* or admission? or admitt* or detain* or detention? or section* or hospitali#ation?) adj3 (coerc* or compuls* or forced or enforced or involuntary or in-voluntary or rate? or status)).ti,ab,kw.	41307
32	((admit* or admission* or detain* or detention or hospitali#ation) adj3 section).ti,ab,kw.	331
33	exp Involuntary Treatment/ or assertive community treatment/	1107
34	admission?.ab. /freq=2	107392
35	acute admission?.ti,ab,kw.	1266
36	hospital admission/	159682
37	((inpatient? or in-patient?) adj2 admission?).ti,ab,kw.	7458
38	((police or policing or local authority polic*) and (admission? or referral?)).ti,ab,kw,hw.	1114
39	((prison* or custody or incarcerat*) adj3 (transfer* or transition* or referral?)).ti,ab,kw,hw.	273
40	patient referral/ and legal aspect/	1833
41	legal status.ti,ab,kw.	1722
42	high-security.ti,ab,kw.	709
43	coercion.ti,ab,kw,hw.	3374
44	persuasive communication/	7707
45	(detention? or admission? or hospitali#ation? or institutional#ed).ti,kw.	56852
46	((treatment or restriction or court or compulsory) adj order?).ti,ab,kw.	1451
47	(pathway* adj3 (care or hospital* or psychiatr*)).ti,ab,kw.	7907
48	clinical pathway/	7565
49	pathway?.ti.	203348
50	"route? to care".ti,ab,kw.	92
51	((outcome? or course or predictor?) and first-episode).ti,kw,hw.	1785

52	(continuity adj3 care).ti,ab,kw. and ((health services or community) and (followup or follow-up or interview* or questionnaire* or focus group*)).ti,ab,kw,hw.	977
53	conditional* discharge*.ti,ab,kw.	43
54	revolving door?.ti,ab,kw.	410
55	(readmission? or re-admission? or recurrence?).ti,kw,hw.	302978
56	(*diagnosis/ or *psychodiagnosis/) and *general practitioners/	98
57	utili#ation.ti,kw,hw. and (differ* or compar* or prevalence or incidence).ti.	11142
58	health care utilization/	58298
59	or/27-58	902113
60	17 and 26 and 59	5742
61	psychiatry.ec.	961785
62	60 and 61	3210
63	exp evidence based medicine/	1054763
64	(RCT or random* or prospective or retrospective or outcome?).mp.	4665653
65	(study or trial?).ti,hw.	1.2E+07
66	(case control or case series or (case adj (records or reports))).ti,ab,kw.	289592
67	((followup or follow-up) adj5 (interview* or questionnaire* or focus group*)).ti,ab,kw.	16182
68	(longitudinal or cross-sectional).ti,ab,kw,hw.	665229
69	(cohort adj (analysis or study or studies)).ti,ab,kw,hw.	396513
70	((control* or comparative or follow-up or followup or observational or epidemiologic*) adj (study or studies)).mp.	6800837
71	((qualitative or quantitative) adj (analysis or study or studies)).ti,ab,kw.	115818
72	((study or research) and (data or analys*)).ti,ab,kw.	3942145
73	or/63-72	1.5E+07
74	(systematic or structured or evidence or trials or studies).ti. and ((review or overview or look or examination or update* or summary).ti. or review.sh.)	166828
75	(0266-4623 or 1469-493X or 1366-5278 or 1530-440X or 2046-4053).is.	21782
76	(meta-analys* or meta analys* or metaanalys* or meta synth* or meta-synth* or metasynth*).ti,ab,kw.	161073
77	(integrative research review* or research integration).ti,ab,kw. or scoping review?.ti,kw. or (review.ti,kw,sh. and (trials or studies).hw.) or (evidence adj3 review*).ti,ab,kw.	49041
78	((systematic or meta) adj2 (analys* or review)).ti,kw. or ((systematic* or quantitativ* or methodologic*) adj5 (review* or overview*)).ti,ab,kw,sh. or (quantitativ\$ adj5 synthesis\$).ti,ab,kw,hw.	269795

79	review.sh. and ((medline or medlars or embase or pubmed or scisearch or psychinfo or psycinfo or psychlit or psyclit or cinahl or electronic database* or bibliographic database* or computeri#ed database* or online database* or pooling or pooled or mantel haenszel or peto or dersimonian or der simonian or fixed effect or ((hand adj2 search*) or (manual* adj2 search*))) .ti,ab,kw,hw. or retracted article.sh.)	95806
80	or/74-79	442877
81	62 and (73 or 80)	2493
82	(27 or (26 and (31 or 43 or 44 or 45 or 46))) and 80	299
83	81 or 82	2764
84	limit 83 to (article-in-press status or embase status or in-process status)	2676
85	(editorial or letter or note).pt.	2251003
86	(afrikaans or albanian or arabic or armenian or azerbaijani or basque or belarusian or bosnian or bulgarian or catalan or chinese or croatian or czech or danish or dutch or esperanto or estonian or finnish or french or gallegan or georgian or german or greek or hebrew or hindi or hungarian or icelandic or indonesian or irish gaelic or italian or japanese or korean or latvian or lithuanian or macedonian or malay or norwegian or persian or polish or polyglot or portuguese or pushto or romanian or russian or serbian or slovak or slovene or spanish or swedish or thai or turkish or ukrainian or urdu or uzbek or vietnamese).lg.	5408326
87	84 not (85 or 86)	2515

Search Name: UCL-MHA
Last Saved: 27/11/2017 22:55:30.775
Description: The Cochrane Library, Issue 10, 2017

ID	Search	
#1	MeSH descriptor: [Minority Groups] this term only	
#2	MeSH descriptor: [Minority Health] this term only	
#3	MeSH descriptor: [Population Groups] explode all trees	
#4	MeSH descriptor: [Ethnic Groups] explode all trees	
#5	(ethnic* or multi-ethnic* or multiethnic* or indig* or aborig* or native* or inuit* or eskimo* or kalaallit* or amerind* or romany or romani* or gypsies or gipsies):ti,ab,kw (Word variations have been searched)	
#6	(african or africaan or caribbean* or afro-caribbean* or afrocaribbean* or asian* or bangladeshi* or chinese or indian* or pakistani* or somali*):ti,ab,kw (Word variations have been searched)	
#7	(black near/3 (patient* or men or women or adult* or adolesc* or teen* or young* or youth* or old* or elder*)):ti,ab,kw (Word variations have been searched)	
#8	(black or blacks):ti	
#9	(BME or BAME):ti,ab,kw (Word variations have been searched)	
#10	MeSH descriptor: [Emigrants and Immigrants] explode all trees	
#11	MeSH descriptor: [Refugees] this term only	
#12	MeSH descriptor: [Cultural Diversity] this term only	
#13	MeSH descriptor: [Cross-Cultural Comparison] this term only	
#14	MeSH descriptor: [Human Migration] explode all trees	
#15	(refugee* or immigrant* or asyl* near/2 seek*) or foreign* or ethnic* or minorit* or race or racial* or (multi next cultural*) or multicultural* or (newly next arrived) or ((family or families) near/2 reuni*) or resettlement):ti,ab,kw (Word variations have been searched)	
#16	(cultural or culture or race or racial or nonwhite* or non-white* or ("non uk" next (born or national))):ti,ab,kw (Word variations have been searched)	
#17	(minority near/2 (health* or group*)):ti,ab,kw (Word variations have been searched)	
#18	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17	
#19	"Mental Health Act":ti,ab,kw (Word variations have been searched)	
#20	MeSH descriptor: [Commitment of Mentally Ill] this term only	
#21	("mental health" next (law* or legal* or legislat* or jurisprudence)):ti,ab,kw (Word variations have been searched)	
#22	MeSH descriptor: [Mental Disorders] explode all trees and with qualifier(s): [Ethnology - EH]	

#23	MeSH descriptor: [Psychotic Disorders] explode all trees and with qualifier(s): [Ethnology - EH]	
#24	#19 or #20 or #21 or #22 or #23	
#25	MeSH descriptor: [Emergency Services, Psychiatric] this term only	
#26	MeSH descriptor: [Hospitals, Psychiatric] this term only	
#27	(psychiatric near/3 (in-patients or inpatients or morbidity)):ti,ab,kw (Word variations have been searched)	
#28	MeSH descriptor: [Mental Disorders] this term only	
#29	MeSH descriptor: [Schizophrenia Spectrum and Other Psychotic Disorders] explode all trees	
#30	MeSH descriptor: [Forensic Psychiatry] this term only	
#31	((mental or psychiatr*) next (health or disorder* or disease* or deficien* or illness* or problem*)) or psychotic or psychosis or psychoses or psychopath* or schizo* or SMI or bipolar or ((suicid* or self-harm) near/3 (risk or crisis or crises)):ti,ab,kw (Word variations have been searched)	
#32	((psychiatr* or psychology or health or medicine) and (law or legal or legislat* or jurisprudence)):so (Word variations have been searched)	
#33	#25 or #26 or #27 or #28 or #29 or #30 or #31 or #32	
#34	((commit* or admission* or admitt* or detain* or detention* or section* or hospitalisation* or hospitalization*) near/3 (coerc* or compuls* or forced or enforced or involuntary or in-voluntary or rate or rates or status)):ti,ab,kw (Word variations have been searched)	
#35	admission*:ti,ab,kw	
#36	((prison* or custody or incarcerat*) near/3 (transfer* or transition* or referral*)):ti,ab,kw (Word variations have been searched)	
#37	"legal status":ti,ab,kw (Word variations have been searched)	
#38	MeSH descriptor: [Hospitalization] explode all trees	
#39	MeSH descriptor: [Hospitals, Psychiatric] this term only	
#40	MeSH descriptor: [Psychiatric Department, Hospital] this term only	
#41	MeSH descriptor: [Coercion] this term only	
#42	(detention* or admission* or hospitalization* or hospitalisation* or institutional*):ti (Word variations have been searched)	
#43	((treatment or restriction or court or compulsory) next order*):ti,ab,kw (Word variations have been searched)	
#44	MeSH descriptor: [Morbidity] explode all trees	
#45	MeSH descriptor: [Mental Health Services] explode all trees	
#46	#44 and #45	
#47	pathway* or "route to care":ti,ab,kw (Word variations have been searched)	
#48	MeSH descriptor: [Critical Pathways] this term only	

#49	"conditional* discharge*":ti,ab,kw (Word variations have been searched)	
#50	"revolving door*":ti,ab,kw (Word variations have been searched)	
#51	(readmission* or re-admission* or recurrence*):ti,ab,kw (Word variations have been searched)	
#52	("health services" or community) and (followup or follow-up or interview* or questionnaire* or focus group*):ti,ab,kw (Word variations have been searched)	
#53	#34 or #35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43 or #46 or #47 or #48 or #49 or #50 or #51 or #52	
#54	#18 and #33 and #53	
#55	#24 or #54	1018 (Trials)
		52 (Reviews)
	Total	1070 records

**Interface - EBSCOhost Research Databases
Search Screen - Advanced Search
Database - CINAHL (1981 to 30 November 2017)**

#	Searches	Results
S75	S73 OR S74	1,671
S74	S17 AND S70	82
S73	S70 AND S71 AND S72	1,644
S72	S33 OR S34 OR S35 OR S36 OR S37 OR S38 OR S39 OR S40 OR S41 OR S42 OR S43 OR S44 OR S45 OR S46 OR S47 OR S48 OR S49 OR S50 OR S51 OR S52 OR S53 OR S54 OR S55	204,561
S71	S18 OR S19 OR S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR S31 OR S32	193,736

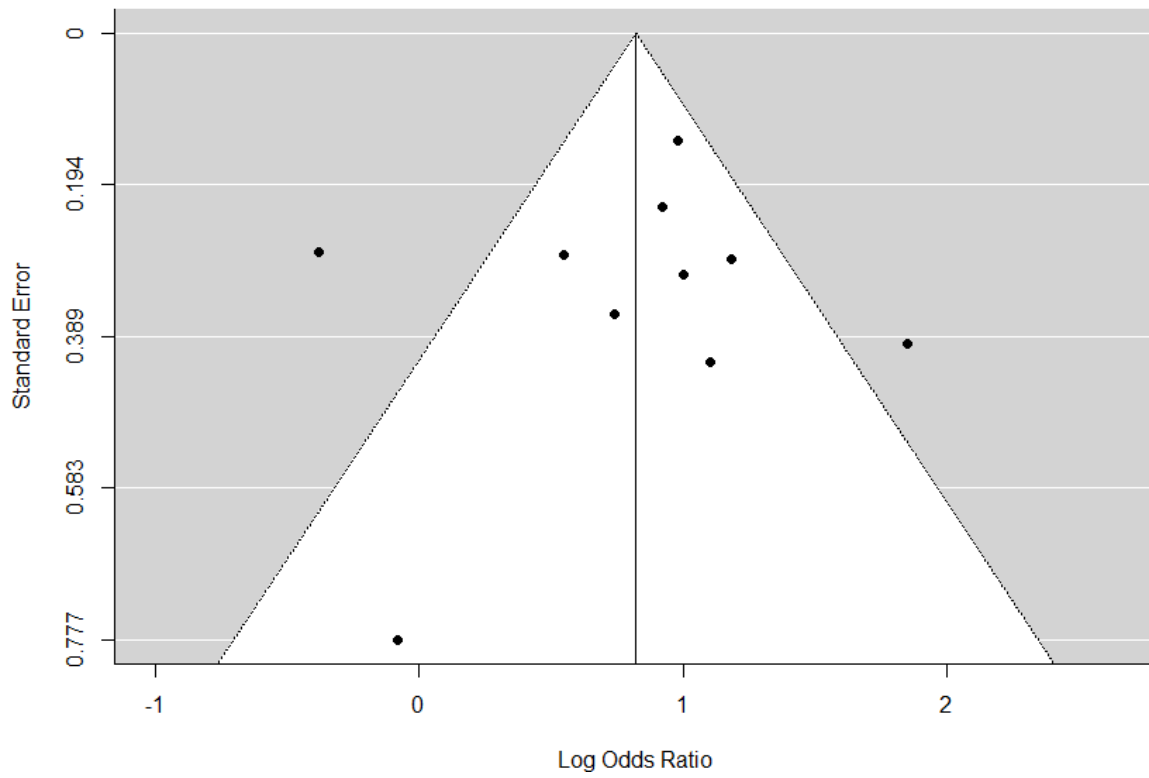
S70	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14	178,704
S69	(evidence N3 review) or ("integrative research review*" or "research integration")	
S68	((systematic* or quantitativ* or methodologic*) N5 (review* or overview* or synthes*))	
S67	(meta-analys* or meta analys* or metaanalys* or meta synth* or meta-synth* or metasynt*)	
S66	(MH "Meta Analysis")	
S65	(MH "Systematic Review") OR (MH "Scoping Review")	
S64	((study or research) and (data or analys*))	
S63	((qualitative or quantitative) N1 (analysis or study or studies))	
S62	((control* or comparative or follow-up or followup or observational or epidemiologic*) N1 (study or studies))	
S61	(cohort N1 (analysis or study or studies))	
S60	longitudinal or cross-sectional	
S59	((followup or follow-up) N5 (interview* or questionnaire*)) or "focus group*"	
S58	("case control" or "case series" or (case N1 (records or reports)))	
S57	TI (study or trial or trials)	
S56	(RCT or random* or prospective or retrospective or outcome*)	
S55	(MM "Morbidity") OR (MM "Incidence") OR (MM "Prevalence")	
S54	(MH "Health Resource Utilization")	
S53	TI (readmission* or re-admission* or readmit* or re-admit* or recurrence*)	
S52	"revolving door*"	
S51	"conditional* discharge*"	
S50	(followup or follow-up)	
S49	(continuity N3 care)	
S48	((outcome* or course or predictor*) and first-episode)	
S47	"route* to care"	
S46	TI pathway*	
S45	(MH "Critical Path")	
S44	(pathway* N3 (care or hospital* or psychiat*))	
S43	((treatment or restriction or court or compulsory) N1 order*)	
S42	coercion	
S41	"high security"	
S40	"legal status"	
S39	TI detention* or admission* or hospitalization* or hospitalisation* or institutional*)	
S38	(MH "Coercion")	
S37	((prison* or custody or incarcerat*) N3 (transfer* or transition* or referral*))	
S36	((police or policing or "local authority polic*") and (admission* or referral*))	
S35	((acute or hospital* or inpatient* or in-patient*) N2 admission*)	

S34	(MH "Hospitalization") OR (MH "Length of Stay") OR (MH "Patient Admission") OR (MH "Readmission") OR (MH "Institutionalization")	
S33	((commit* or admission* or admitt* or detain* or detention* or section* or hospitalization* or hospitalisation*) N3 (coerc* or compuls* or forced or enforced or involuntary or in-voluntary or rate or rates or status))	
S32	SO ((psychiatr* or psychology or health or medicine) and (law or legal or legislat* or jurisprudence))	
S31	(MH "Forensic Psychiatry+")	
S30	((((mental or psychiatr*) N1 (health or disorder* or disease* or deficien* or illness* or problem*)) or psychotic or psychosis or psychoses or psychopath* or schizo* or SMI or bipolar)	
S29	(psychiatric N3 (in-patients or inpatients or morbidity)	
S28	("mental health" N2 (act* or law* or legal* or legislat* or jurisprudence))	
S27	(MH "Psychiatric Emergencies")	
S26	(MH "Emergency Services, Psychiatric")	
S25	(MH "Community Mental Health Nursing")	
S24	(MH "Psychiatric Nursing+")	
S23	(MH "Hospitals, Psychiatric")	
S22	(MH "Psychiatric Care+")	
S21	(MH "Psychiatric Patients+")	
S20	(MM "Mental Health")	
S19	(MM "Mental Disorders") OR (MH "Personality Disorders+") OR (MH "Psychotic Disorders+")	
S18	(MH "Mental Health Services+/LJ/TD/PF/UT")	
S17	S15 OR S16	
S16	(MH "Involuntary Commitment")	
S15	"Mental Health Act"	
S14	(MH "Ethnology") OR (MH "Ethnological Research")	
S13	(minority N2 (health* or group*))	
S12	((cultural or culture or race or racial) N2 (compar* or differ* or disparit* or discriminat* or survey* or stratif*)) or nonwhite* or non-white* or ("non uk" N2 (born or national*))	
S11	(refugee* or immigrant* or (asyl* N1 seek*) or ethnic* or "multi cultural*" or multicultural*)	
S10	TI (BME or BAME) OR AB (BME or BAME)	
S9	(black N3 (patient* or men or women or adult* or adolesc* or teen* or young* or youth* or old* or elder*))	
S8	TI black or blacks or negro or negroes	
S7	(african or africaan or caribbean* or afro-caribbean* or afrocaribbean* or asian* or bangladeshi* or chinese or indian* or pakistani* or somali*)	
S6	(ethnic* or multi-ethnic* or multiethnic* or indig* or aborig* or inuit* or eskimo* or kalaallit* or amerind* or romany or romani* or gypsies or gipsies)	

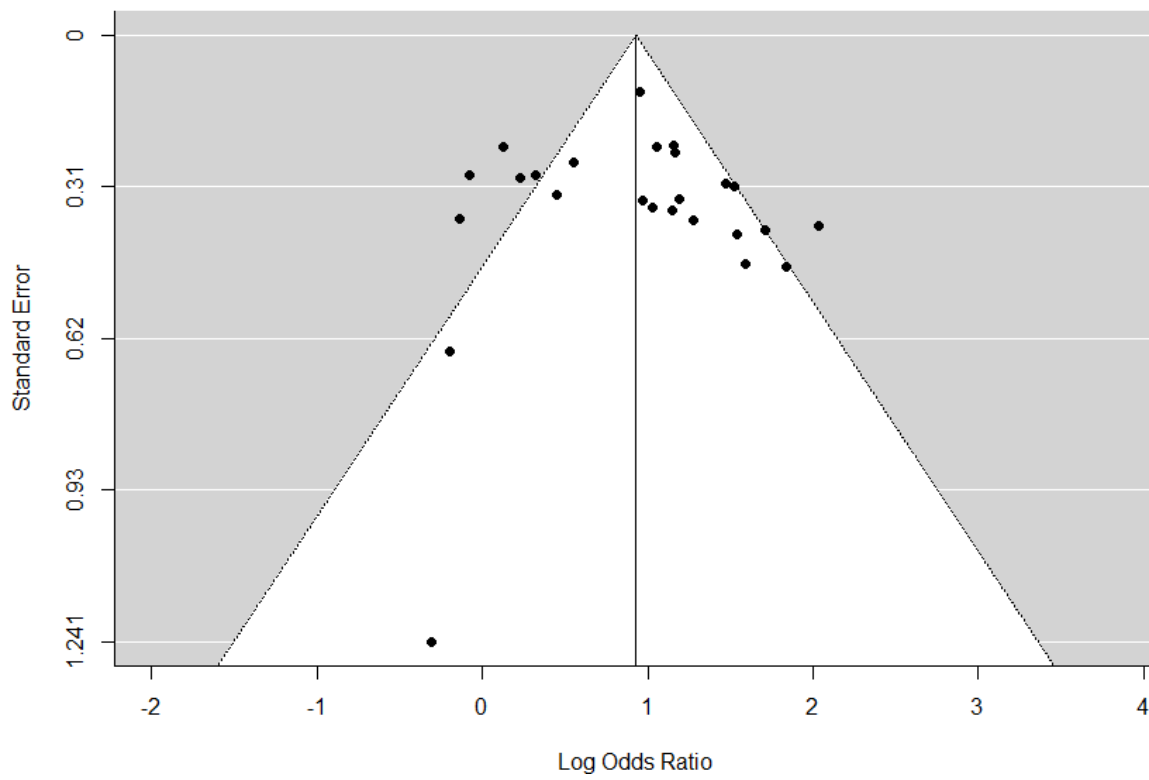
S5	(MH "Refugees")	
S4	(MH "Immigrants+")	
S3	(MH "Race Factors")	
S2	(MH "Ethnic Groups+") OR (MM "Culture+")	
S1	(MH "Minority Groups")	

Funnel plots for all analyses

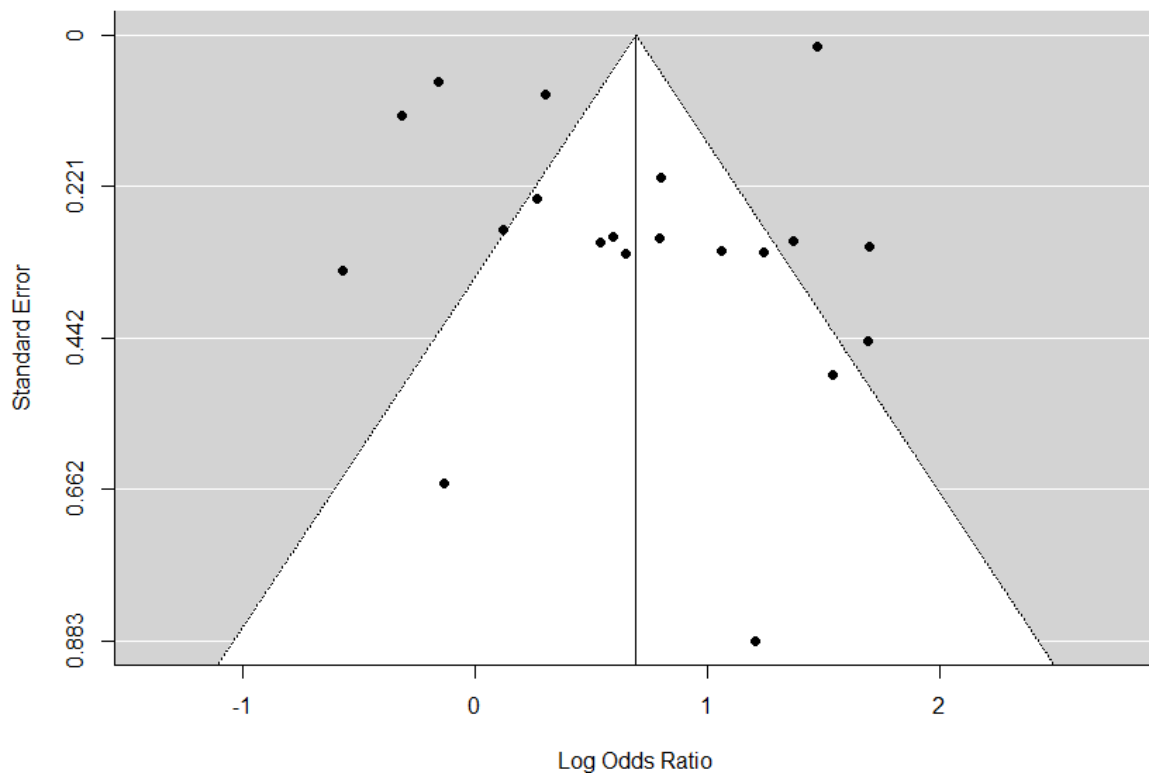
Black African



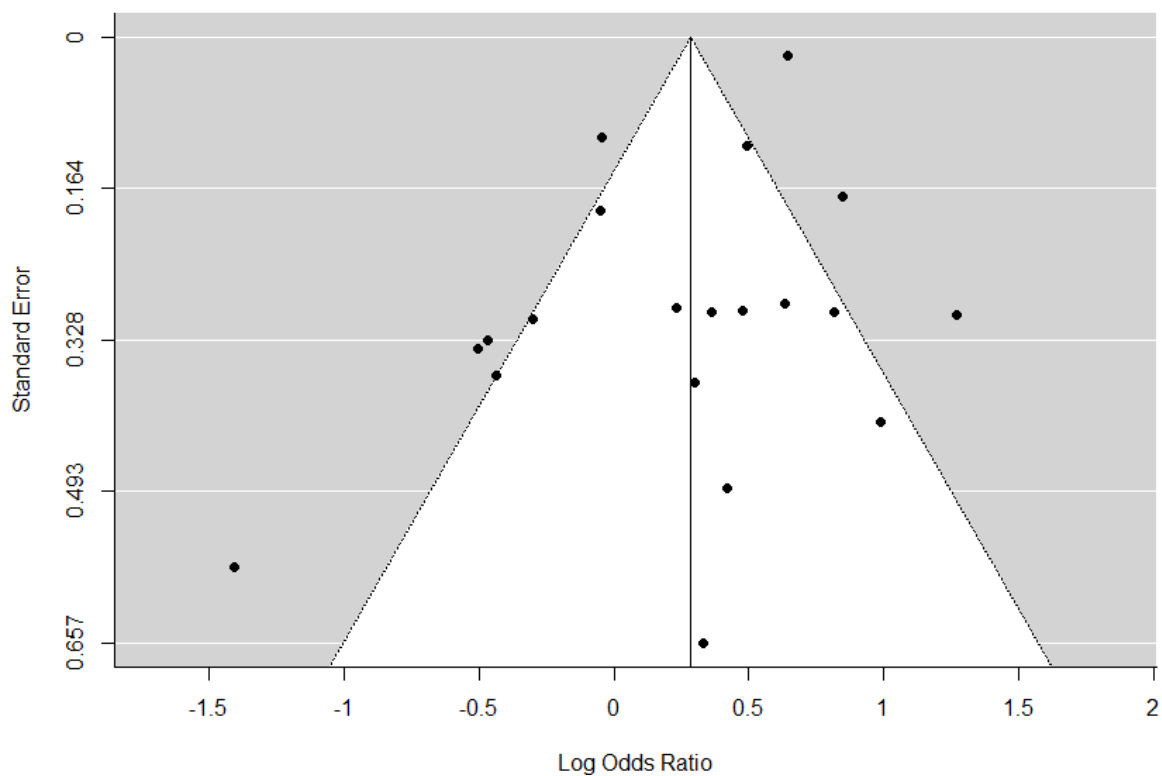
Black Caribbean



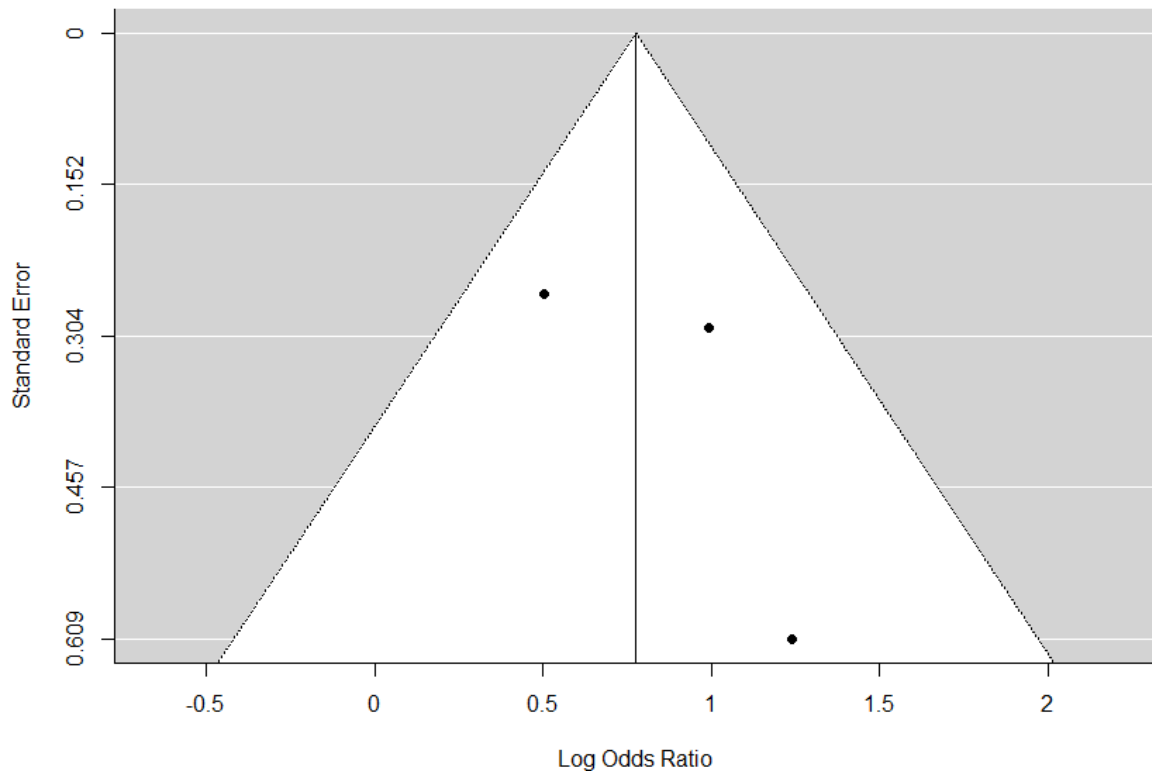
Black Unspecified



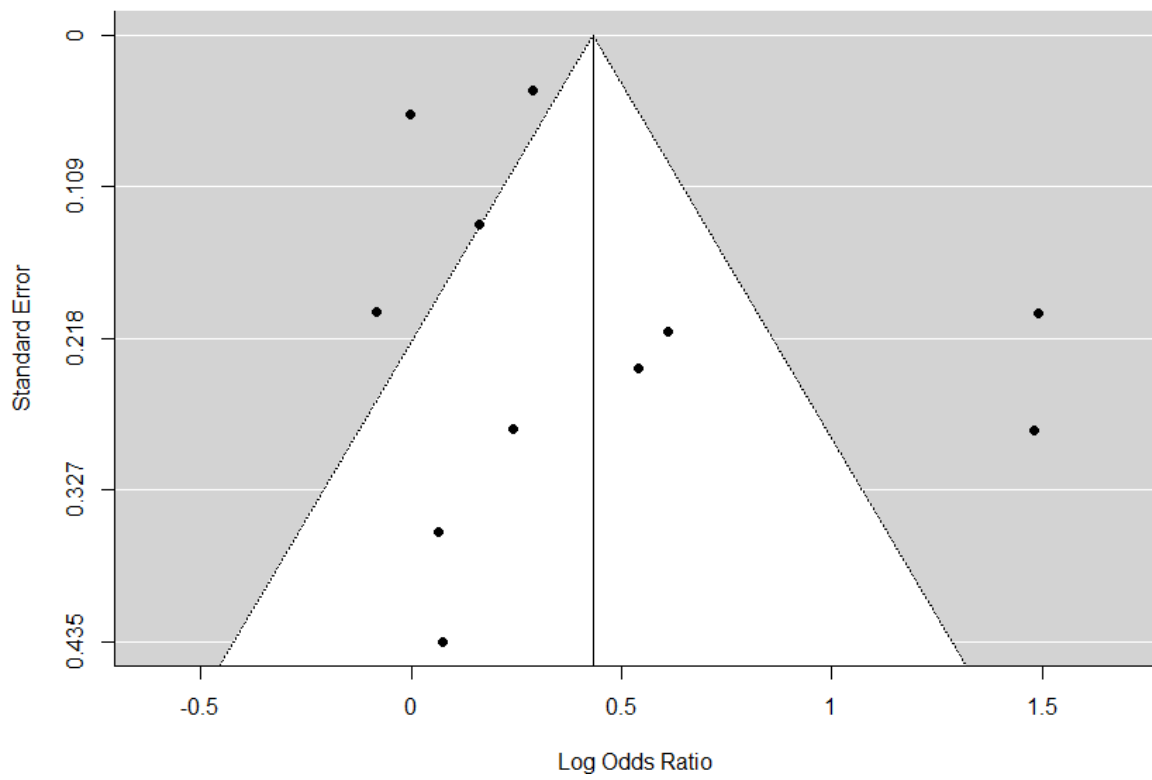
South Asian



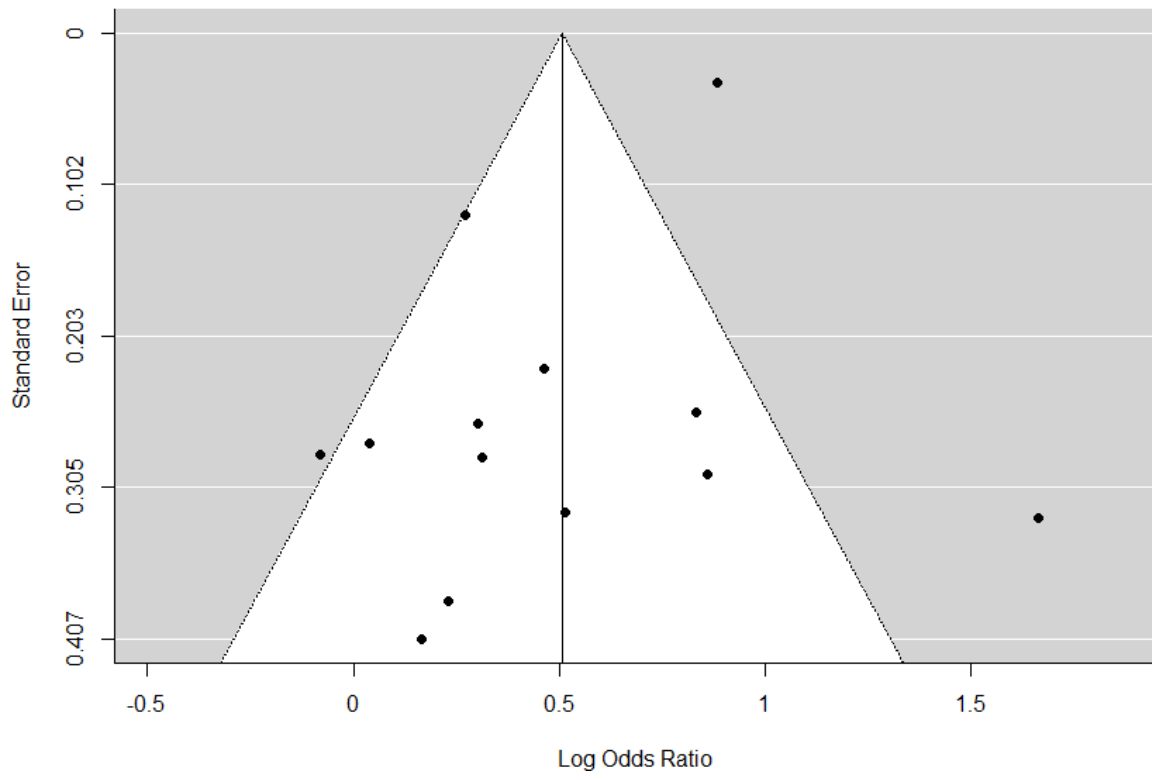
East Asian



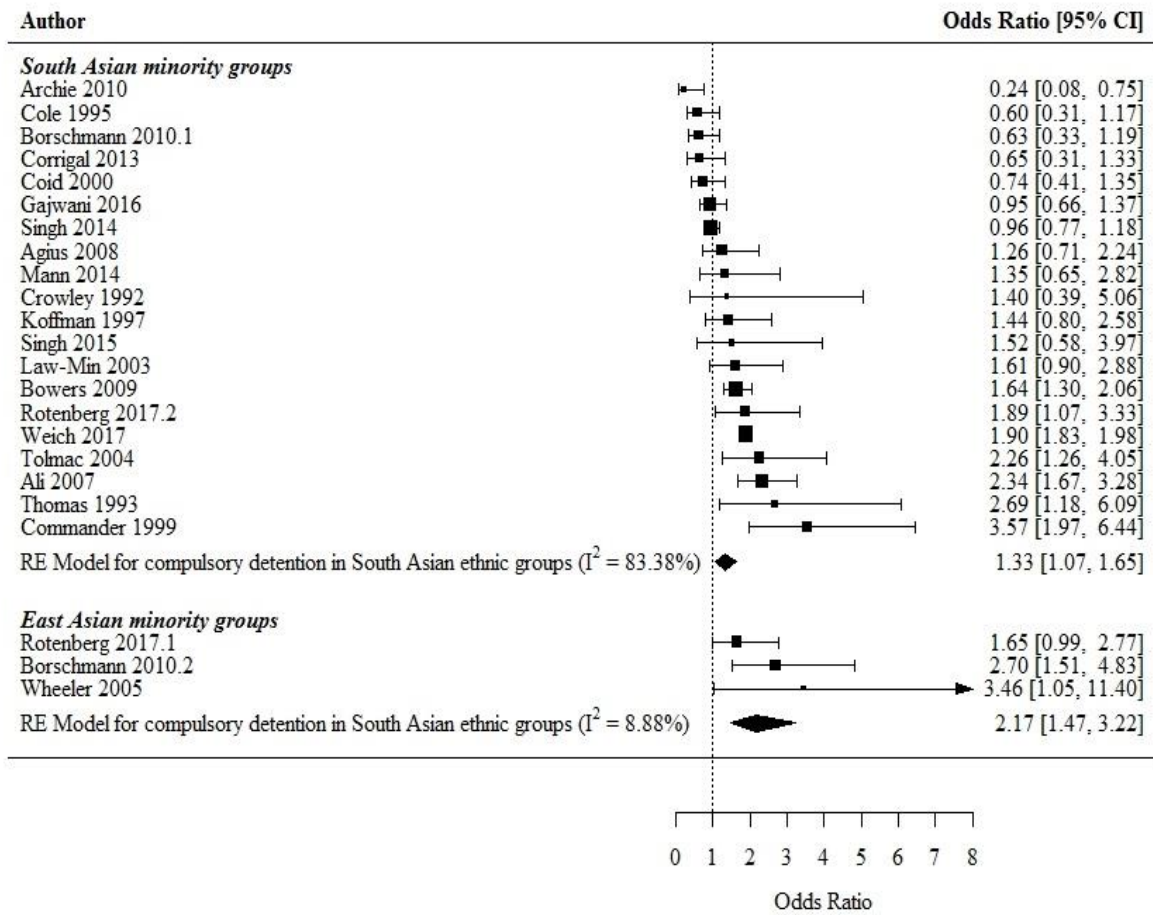
Immigrants



Mixed BAME



Forest plots for all analyses.



Author

Odds Ratio [95% CI]

Black African minority groups

Gajwani 2016.2	0.68 [0.39, 1.18]
Bhui 1998.2	0.92 [0.20, 4.22]
Rotenberg 2017.2	1.73 [0.99, 3.02]
Johnson 1998.2	2.10 [1.04, 4.24]
Mann 2014.1	2.51 [1.62, 3.88]
Bowers 2009.1	2.67 [2.04, 3.49]
Ajnakina 2017.1	2.73 [1.49, 5.01]
Thornicroft 1999.2	3.00 [1.32, 6.86]
Morgan 2005.1	3.26 [1.85, 5.76]
Lawlor 2012.1	6.37 [2.92, 13.88]

RE Model for compulsory detention in Black African ethnic groups ($I^2 = 71.11\%$)

2.27 [1.62, 3.19]

Black Caribbean minority groups

Cope 1990	0.73 [0.06, 8.33]
Bhui 1998.3	0.82 [0.23, 2.92]
Burnett 1999	0.87 [0.41, 1.82]
Law-Min 2003	0.92 [0.53, 1.61]
Gajwani 2016.1	1.14 [0.73, 1.78]
Agus 2008	1.26 [0.71, 2.24]
Mann 2014.3	1.38 [0.79, 2.41]
Ajnakina 2017.2	1.57 [0.82, 2.97]
Rotenberg 2017.1	1.74 [1.05, 2.90]
Bowers 2009.2	2.60 [2.07, 3.27]
Bebbington 1994	2.63 [1.35, 5.11]
Johnson 1998.1	2.79 [1.40, 5.36]
Morgan 2005.2	2.88 [1.84, 4.51]
Parkman 1997	3.14 [1.56, 6.34]
Callan 1996	3.17 [2.04, 4.92]
Thornicroft 1999.1	3.22 [2.01, 5.16]
Singh 1998	3.29 [1.71, 6.33]
Mohan 2006	3.58 [1.71, 7.52]
Ineichen 1984	4.34 [2.39, 7.88]
Moodley 1991	4.58 [2.49, 8.40]
Reeves 2002	4.66 [2.09, 10.38]
Lawlor 2012.3	4.90 [1.96, 12.24]
Thomas 1993	5.52 [2.52, 12.06]
Crowley 1992	6.28 [2.49, 15.86]
Owens 1991	7.67 [3.58, 16.44]

RE Model for compulsory detention in Black Caribbean ethnic groups ($I^2 = 70.69\%$)

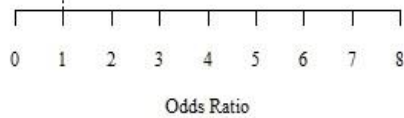
2.53 [2.02, 3.16]

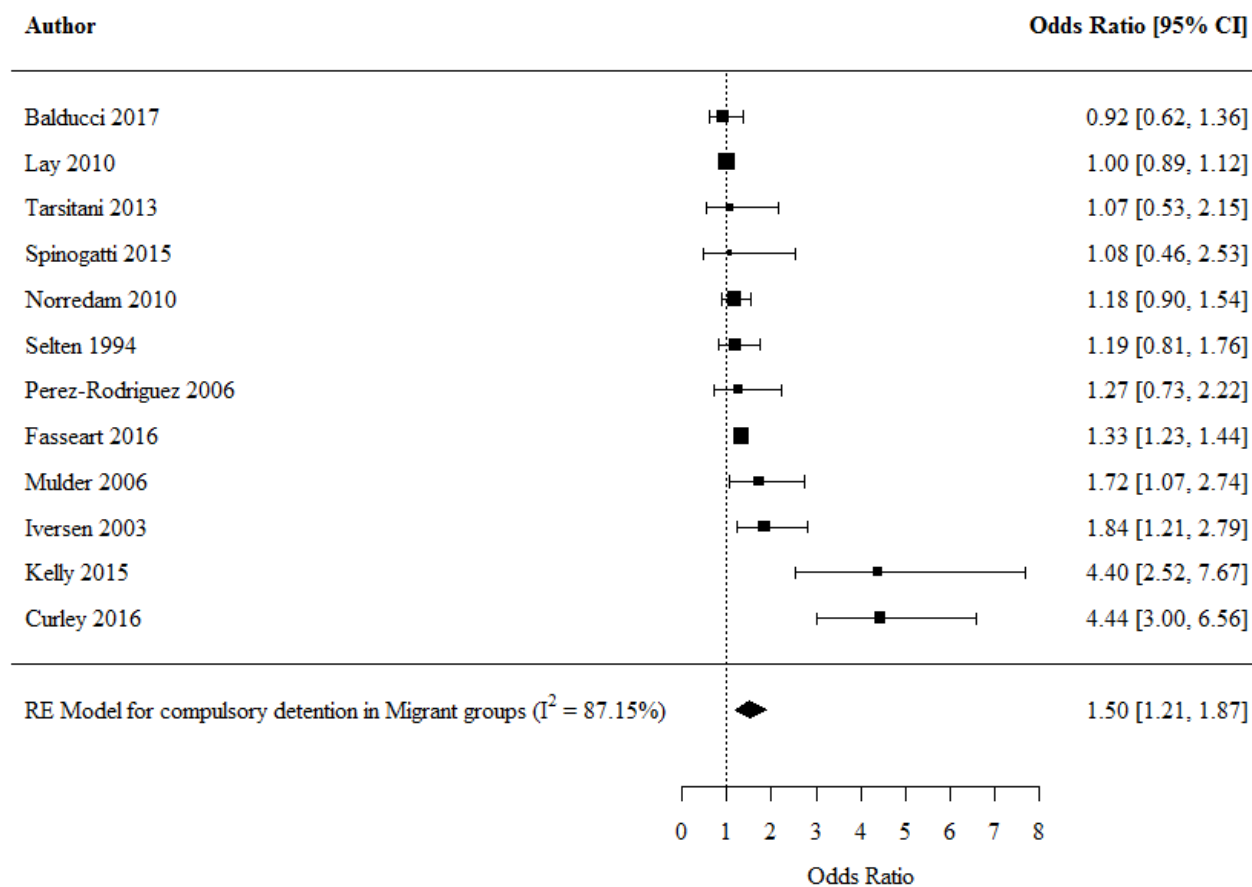
Black unspecified minority groups

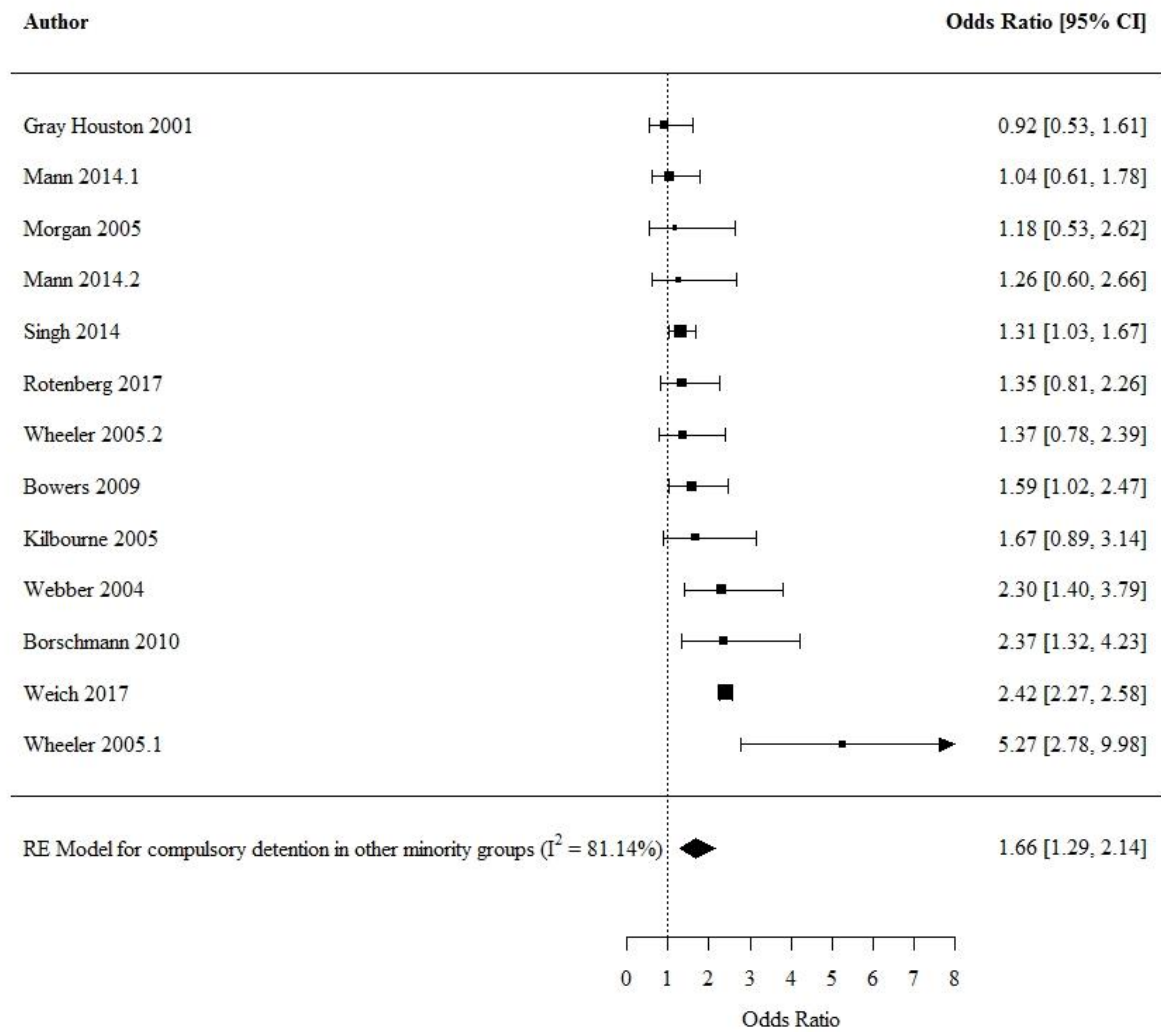
Janku 2009	0.56 [0.29, 1.10]
Coid 2000	0.73 [0.58, 0.92]
Hamilton 2015	0.85 [0.75, 0.97]
Archie 2010	0.88 [0.24, 3.15]
Goater 1999	1.13 [0.65, 1.97]
Sohler 2004	1.31 [0.82, 2.09]
Singh 2014	1.35 [1.14, 1.60]
Cole 1995	1.71 [0.95, 3.10]
Gray Houston 2001	1.81 [1.02, 3.22]
Mann 2014.2	1.91 [1.02, 3.56]
Borschmann 2010	2.21 [1.24, 3.95]
Lloyd 1992	2.22 [1.48, 3.33]
Corrigan 2013	2.89 [1.56, 5.35]
Bhui 1998.1	3.34 [0.59, 18.86]
Tolmac 2004	3.47 [1.87, 6.46]
Koffman 1997	3.95 [2.19, 7.11]
Weich 2017	4.35 [4.21, 4.49]
Singh 2015	4.67 [1.77, 12.32]
Lawlor 2012.2	5.43 [2.26, 13.05]
Commander 1999	5.48 [2.99, 10.04]

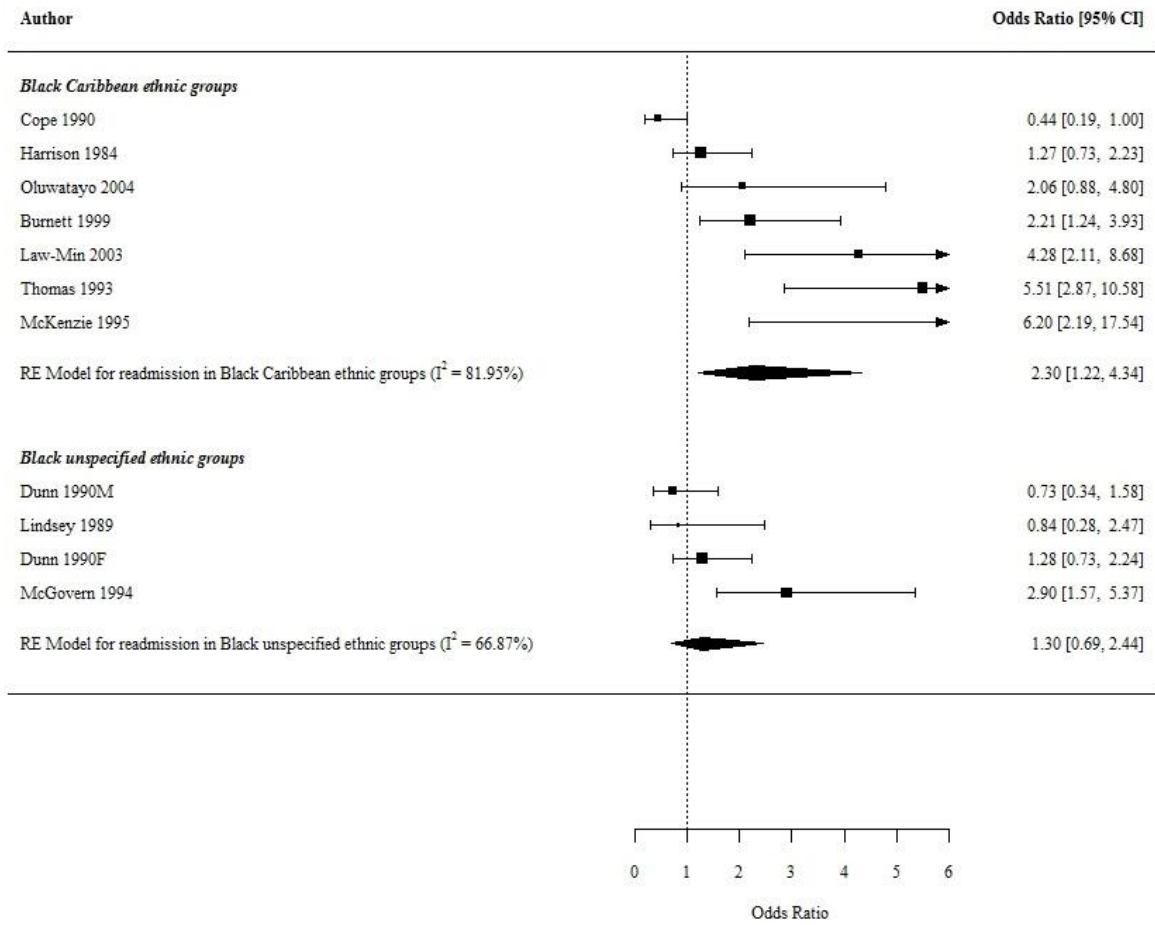
RE Model for compulsory detention in Black unspecified ethnic groups ($I^2 = 98.08\%$)

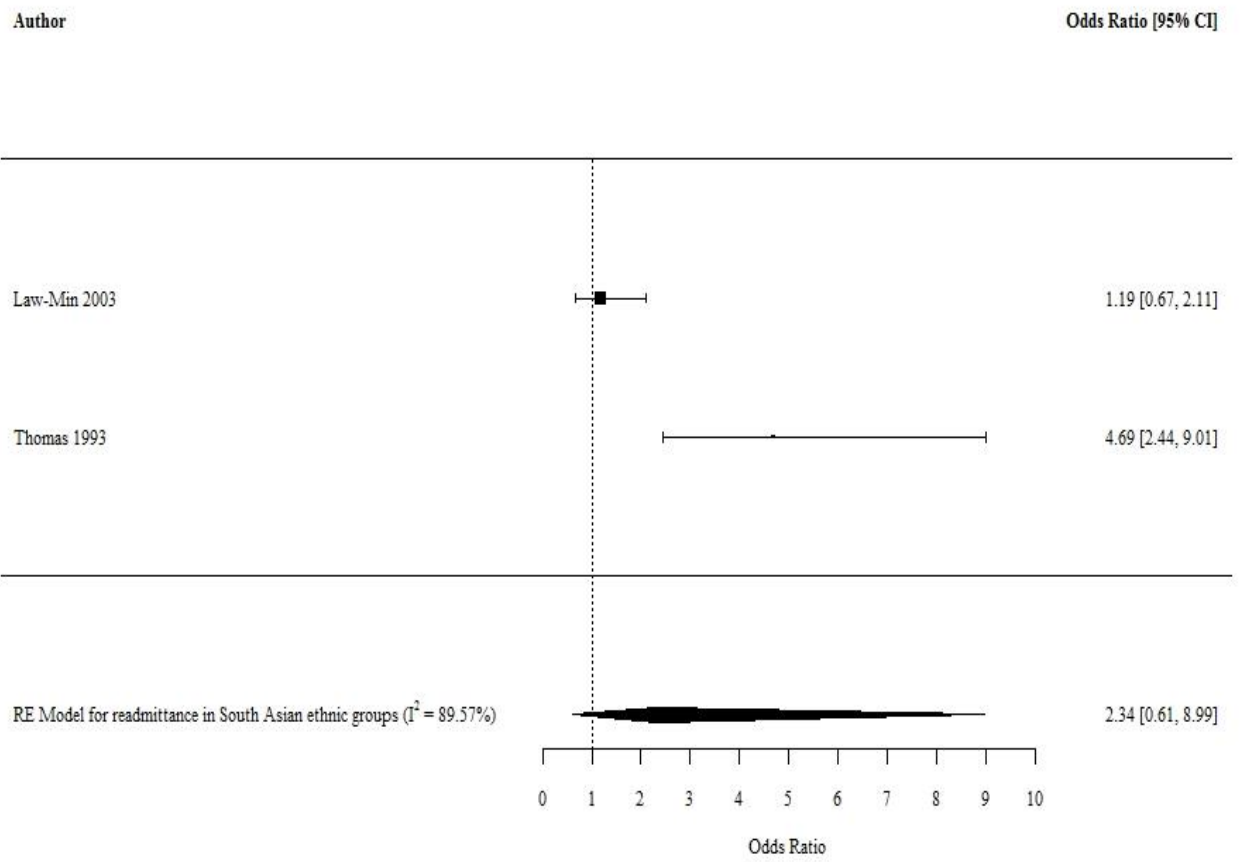
2.00 [1.28, 3.11]







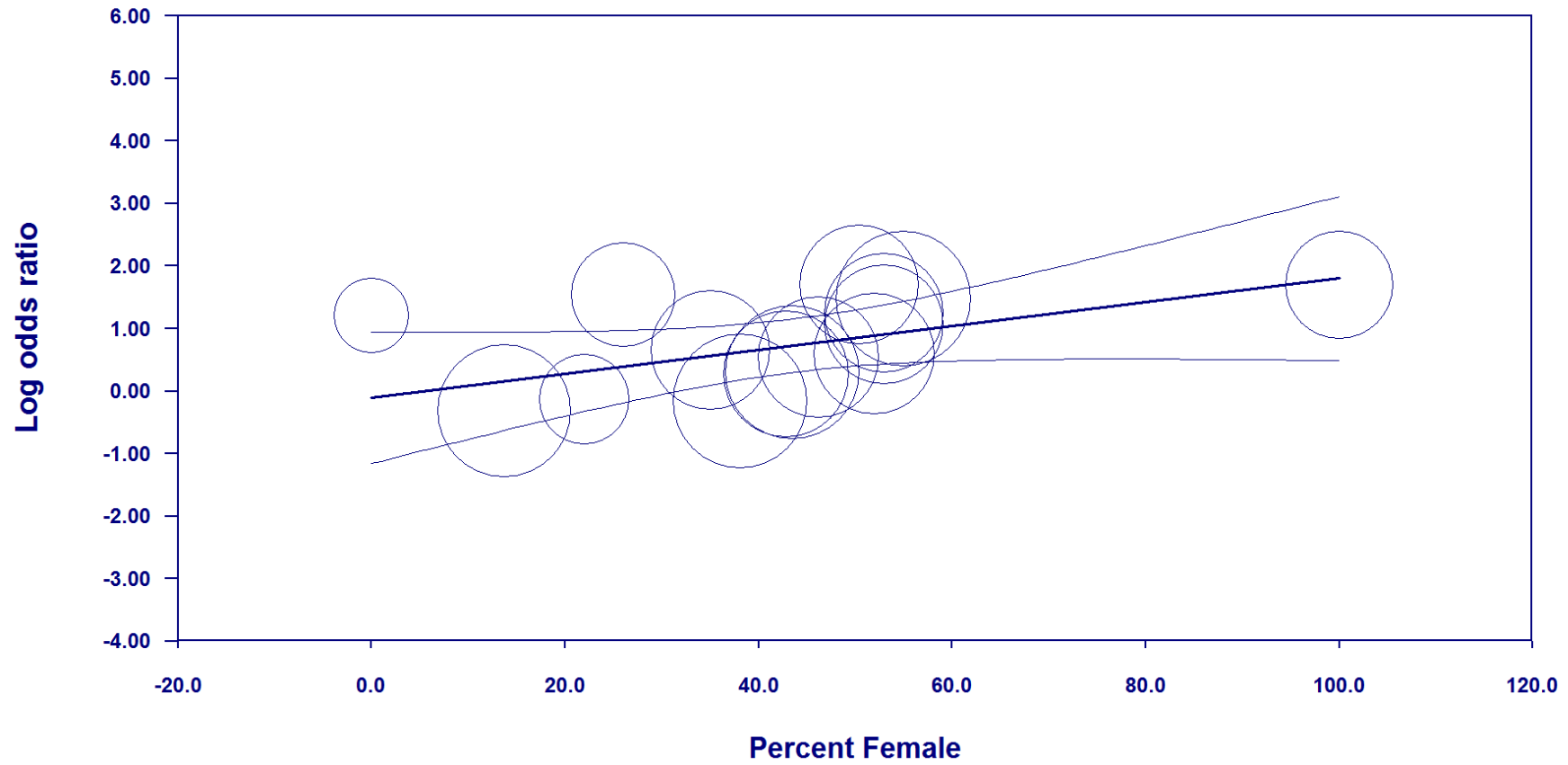




Scatter plots for meta-regression analyses

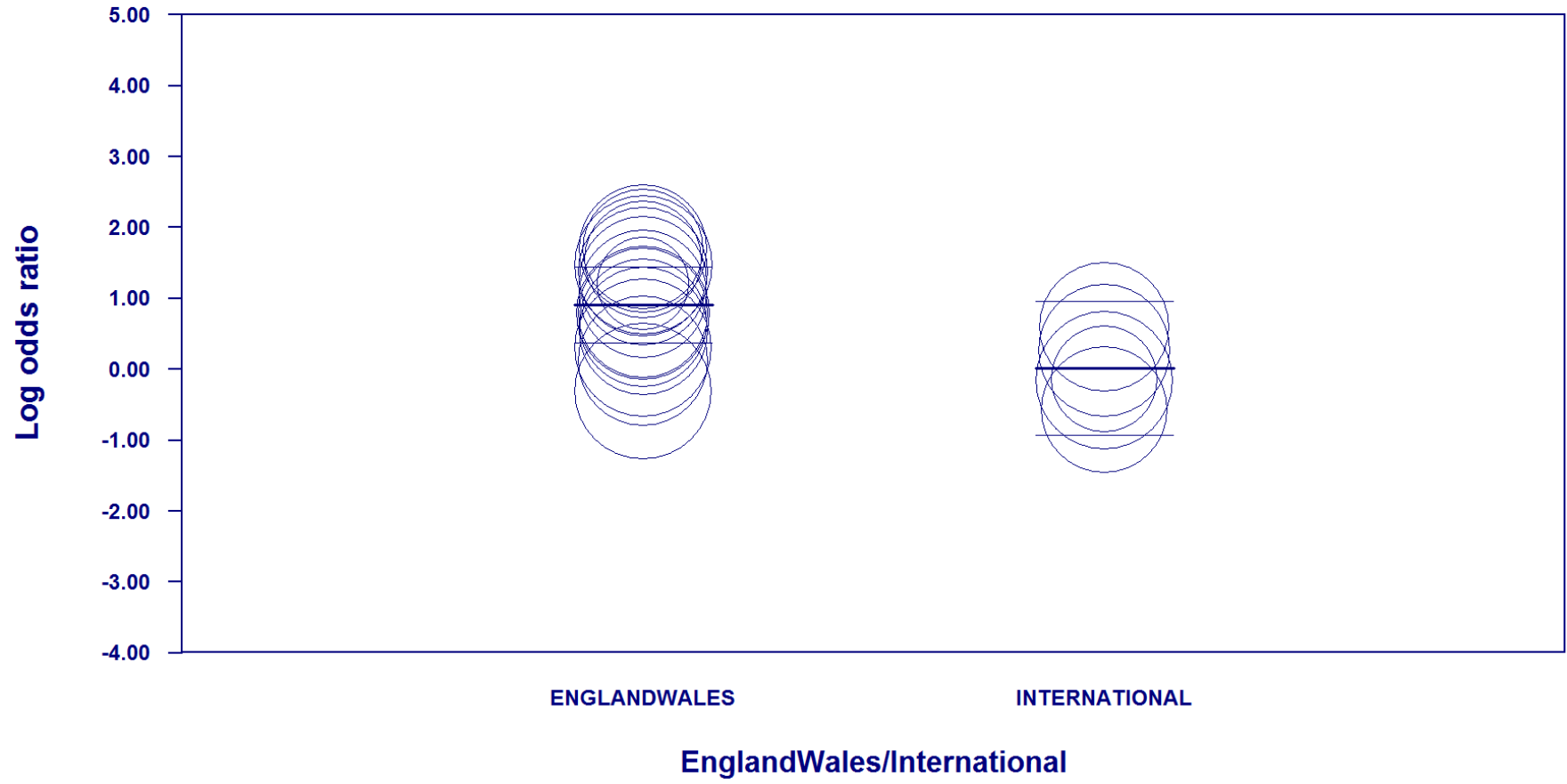
Black unspecified

Regression of Log odds ratio on Percent Female



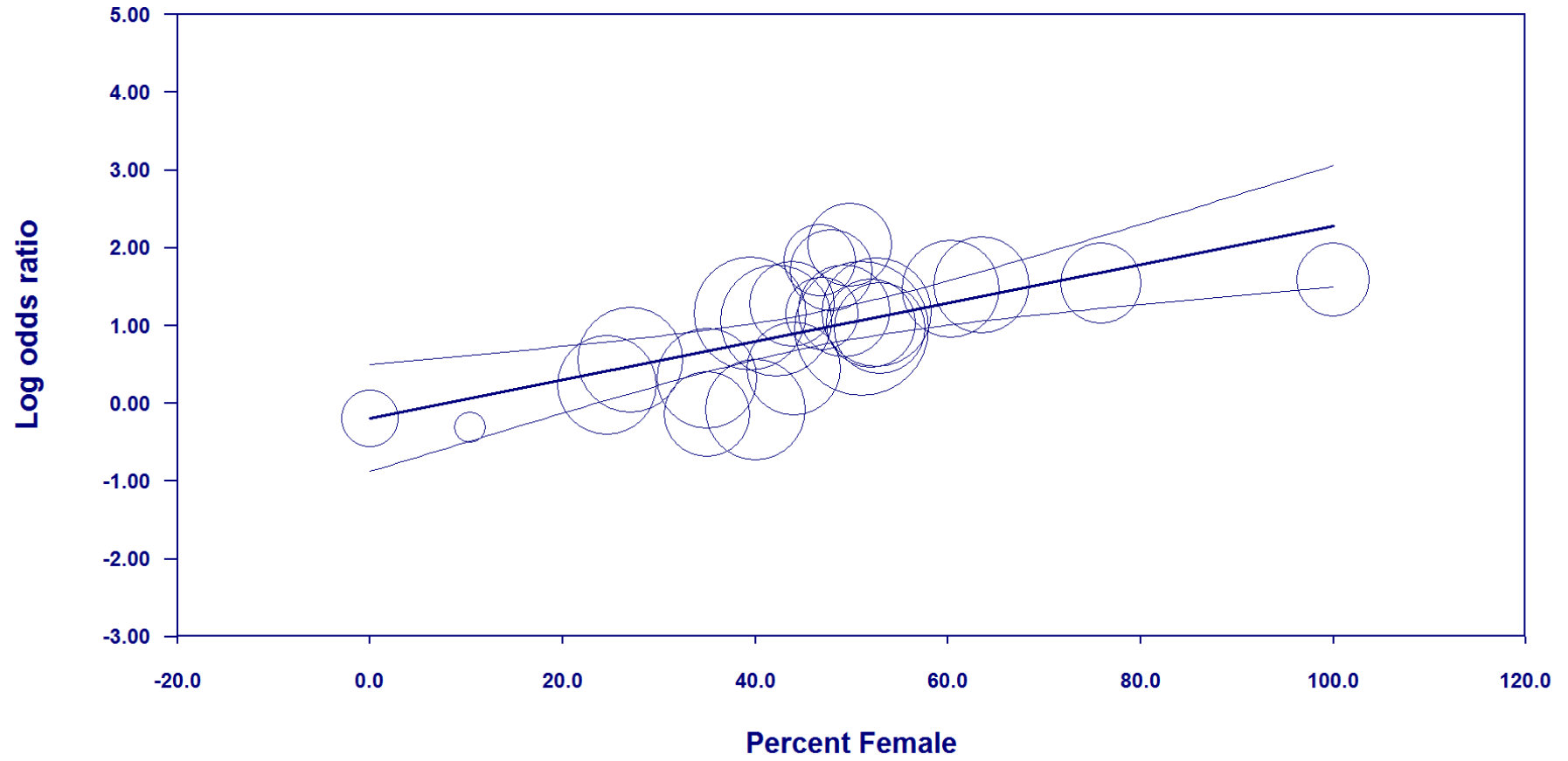
Black Unspecified

Regression of Log odds ratio on EnglandWales/International

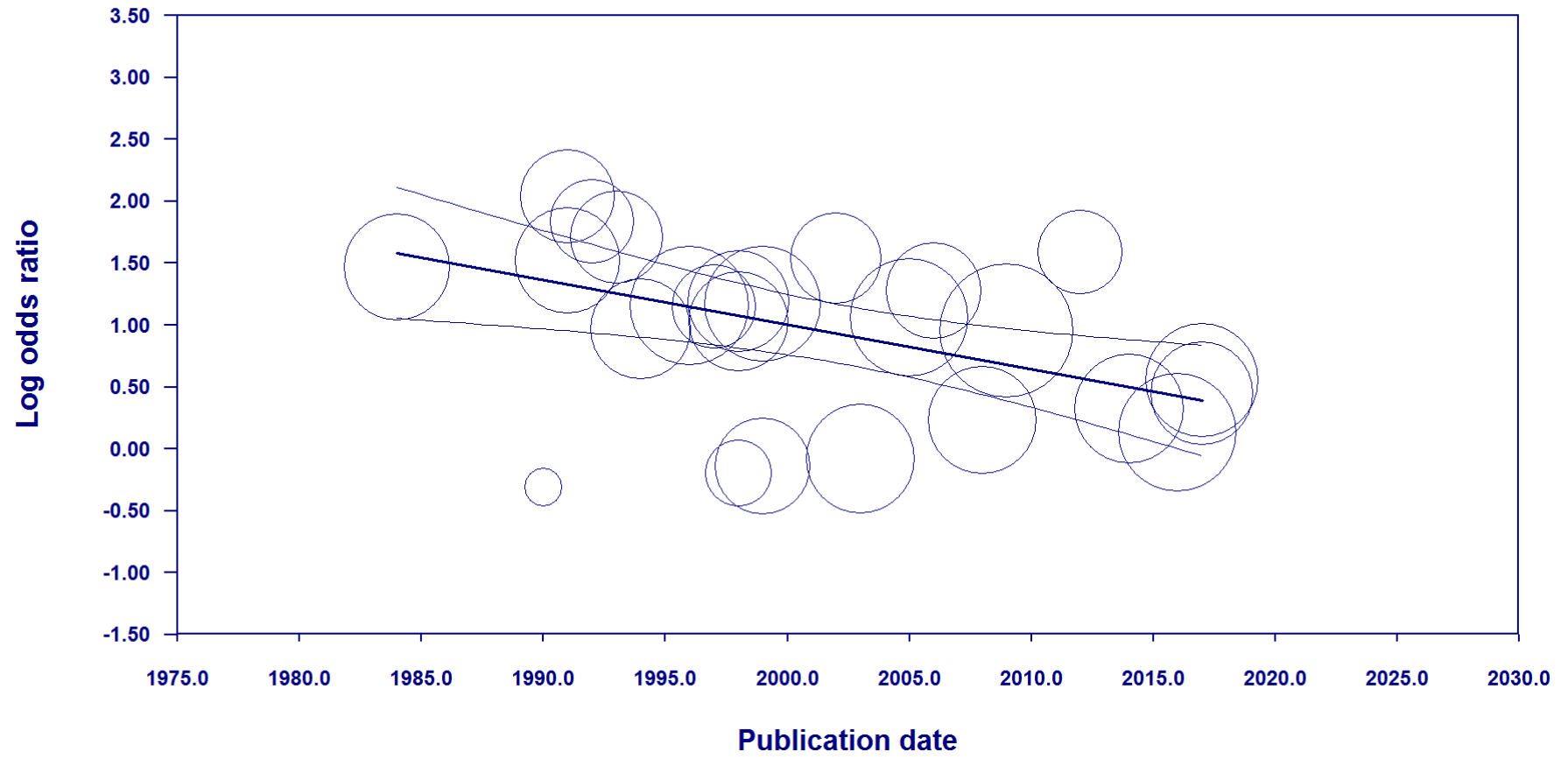


Black Caribbean

Regression of Log odds ratio on Percent Female

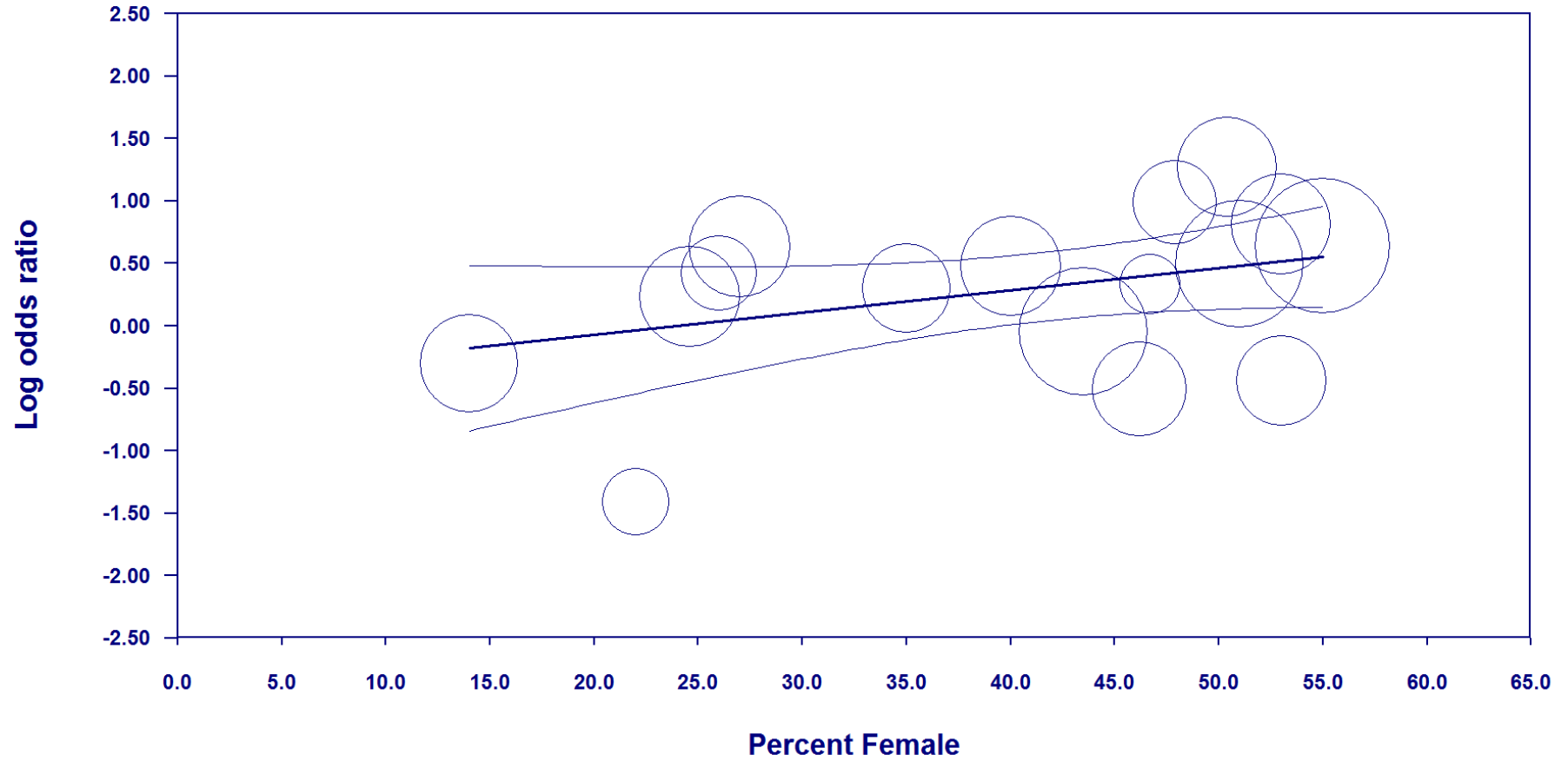


Regression of Log odds ratio on Publication date



South Asian

Regression of Log odds ratio on Percent Female



Sensitivity Analysis-inclusion of 4 studies reporting only adjusted data. ^{32, 34, 35}

Ethnic Group	Original Effect Size	95% CI	K	p-value	I²	New Effect Size	95% CI	K	p-value	I²
<i>Black groups</i>										
Black African	2.27	1.62-3.19	10	<.0001	71.11%	2.22	1.60-3.08	11	<.0001	68.62%
Black Caribbean	2.53	2.03-3.16	25	<.0001	70.69%	2.46	1.98-3.06	27	<.0001	69.19%
Black, Unspecified	2.00	1.28-3.11	20	0.0022	98.08%	2.01	1.31-3.09	21	0.0015	97.98%
<i>Asian Groups</i>										
South Asian	1.33	1.07-1.65	20	0.0091	83.38%	No additional studies				
East Asian	2.17	1.47-3.22	3	0.0001	8.88%	No additional studies				
<i>Amalgamated Groups</i>										
Other minority ethnicities	1.66	1.29-2.14	13	<.0001	81.14%	No additional studies				
Migrants	1.50	1.21-1.87	12	0.0003	87.15%	1.60	1.18-2.16	13	0.0026	97.45%

Note. One study ³³ reporting only adjusted data provided only Adjusted Risk Ratios and adjusted for multiple variables in addition to the demographic data adjusted for by the other studies, and so could not be combined in sensitivity analyses. This study adjusted for Age, Sex, car ownership and housing tenure.

Explanations of psychiatric detention in Black, Asian and Minority Ethnic groups, and level of supporting evidence

Evidence Base	Patient related explanations			Illness-related explanations		Service-related explanations		Culture-related explanations			Service Patient interface	
<i>No supporting primary evidence</i>	Higher rates of comorbid drugs in BAME	Language barriers	Socioeconomic status	Illness expressed as violence/challenge	-	Poorer detection, diagnosis and referral for mental illness	-	Different explanatory models of illness	Greater stigma in BAME	Public social life of BAME	Cultural incompetence of services	Poor service engagement
<i>Mix of supportive and contradictory primary evidence</i>	BAME perceived greater risk violence/disturbance	Delayed health seeking/poor social support	Higher prevalence/diagnosis of psychoses in BAME	Denial of illness (poor insight)	-	BAME larger police contact	-	Ethnic disadvantage, societal racism	-	-	Absence of/unwillingness to consult GP	-
<i>Supported by primary evidence</i>	-	-	-	Poor adherence	Residential instability	Racial bias in patient treatment	Site of service related effects	BAME perceptions of mental illness and services	Ethnic density influencing utilisation	-	Alienation from services/mistrust	-

Papers with no explanations

Title	Year
Agius	2008
Ajnakina	2017
Archie	2010
Borschmann	2010
Gray Houston	2001
Hamilton	2015
Iversen	2003
Johnson	1998
Lay	2010
Perez-Rodriguez	2006
Priebe	2009
Wheeler	2005

Papers with only unsupported explanations, by domain

Domain	Author	Year	Explanations
<i>Patient related explanations</i>	Cope	1990	BAME perceived greater risk violence/disturbance
	Crowley	1992	Language barriers
	Curley	2016	Delayed health seeking/ poor social support
	Law-Min	2003	Higher rates of comorbid drugs in BAME
	-	-	Delayed health seeking/ poor social support
	-	-	Delayed health seeking/ poor social support
	Lay	2005	Higher prevalence/ diagnosis of psychoses in BAME
	Mann	2014	Higher prevalence/ diagnosis of psychoses in BAME
	Noredam	2010	Higher prevalence/ diagnosis of psychoses in BAME
	-	-	Language barriers
	Owens	1991	Delayed health seeking/ poor social support
	Reeves	2002	Delayed health seeking/ poor social support
	Singh	1998	BAME perceived greater risk violence/disturbance
	-	-	Delayed health seeking/ poor social support
	Tarsitani	2013	Language barriers
<i>Illness-related explanations</i>	Cole	1995	Denial of illness (poor insight)
	Koffman	1997	Illness expressed as violence/challenge
	Law-Min	2003	Denial of illness (poor insight)
	-	-	Denial of illness (poor insight)
	McGovern	1994	Illness expressed as violence/challenge
	Singh	1998	Illness expressed as violence/challenge
	-	-	Poor adherence
	-	-	Denial of illness (poor insight)
<i>Service-related explanations</i>	Cope	1990	BAME larger police contact
	Crowley	1992	Poorer detection, diagnosis and referral for mental illness
	-	-	Racial bias in patient treatment
	Law-Min	2003	Poorer detection, diagnosis and referral for mental illness
	-	-	Poorer detection, diagnosis and referral for mental illness

	-	-	Poorer detection, diagnosis and referral for mental illness
	Mann	2014	Racial bias in patient treatment
	McGovern	1994	Poorer detection, diagnosis and referral for mental illness
	-	-	BAME larger police contact
	-	-	Racial bias in patient treatment
	-	-	Racial bias in patient treatment
	-	-	Racial bias in patient treatment
	Noredam	2010	Poorer detection, diagnosis and referral for mental illness
	Takei	1998	Poorer detection, diagnosis and referral for mental illness
	-	-	Racial bias in patient treatment
	-	-	Racial bias in patient treatment
	Tolmac	2004	BAME larger police contact
<i>Culture-related explanations</i>	Balducci	2017	Ethnic disadvantage, societal racism
	Cole	1995	Greater stigma in BAME
	Kelly	2015	Different explanatory models of illness
	Koffman	1997	Public social life of BAME
	Law-Min	2003	Greater stigma in BAME
	Lay	2005	Different explanatory models of illness
	McGovern	1994	Ethnic disadvantage, societal racism
	Noredam	2010	Greater stigma in BAME
	-	-	Ethnic disadvantage, societal racism
	Spinogatti	2015	Ethnic disadvantage, societal racism
	-	-	Ethnic density influencing utilisation
<i>Service Patient interface</i>	Ali	2007	Cultural incompetence of services
	Balducci	2017	Poor service engagement
	Cole	1995	Alienation from services/ mistrust
	Cope	1990	Alienation from services/ mistrust
	Crowley	1992	Alienation from services/ mistrust
	-	-	Cultural incompetence of services
	Davies	1996	Alienation from services/ mistrust

-	-	Alienation from services/ mistrust
Ineichen	1984	Absence of/ unwillingness to consult GP
Law-Min	2003	Alienation from services/ mistrust
-	-	Absence of/ unwillingness to consult GP
Mann	2014	Absence of/ unwillingness to consult GP
Noredam	2010	Alienation from services/ mistrust
-	-	Cultural incompetence of services
Singh	1998	Poor service engagement
Spinogatti	2015	Alienation from services/ mistrust
-	-	Poor service engagement
Takei	1998	Alienation from services/ mistrust

Papers with at least one explanation supported by primary evidence, by domain

Title	Year	Explanations	Primary Evidence	Note
Patient-related				
Afuwape	2006	Higher rates of comorbid drugs in BAME	Yes - against	Comorbid substance use was not an independent risk factor contributing to compulsory admission in black individuals
Bebbington	1994	Higher prevalence/ diagnosis of psychoses in BAME	Yes	In the first model of high rates of compulsory admissions among Black-Caribbeans, the effect could be explained by the interaction of diagnosis and challenging behaviour. In a second model "a small proportion of [of the excess] could reflect increased readiness to compulsory admit Black Caribbeans.
-	-	BAME perceived greater risk violence/disturbance	Yes - against	No interaction between ethnicity and challenging behaviour
Bhui	1998	Higher prevalence/ diagnosis of psychoses in BAME	Yes	Receiving mental health act is more associated with diagnosis than ethnicity
Bowers	2009	Higher prevalence/ diagnosis of psychoses in BAME	Yes - against	Association of ethnicity and detention remains after adjusting for age, gender, diagnosis and risk
Callan	1996	Higher prevalence/ diagnosis of psychoses in BAME	Yes - against	Association of ethnicity and detention remains after adjusting for age, gender, diagnosis and risk
Coid	2000	Socioeconomic status	Yes - against	Both african caribbean and asian patients come from socioeconomically deprived areas but african caribbean patients more likely to be detained
Commander	1999	BAME perceived greater risk violence/disturbance	Yes	An association
-	-	Delayed health seeking/ poor social support	Yes	An association due to differences in social support
de Wit	2012	BAME perceived greater risk violence/disturbance	Yes	Most patients who were described as a danger to others were men from the major migrant groups, even after adjustment for the type of disorder, with the highest risk for second generation Turkish migrants
Dunn	1990	Higher prevalence/ diagnosis of psychoses in BAME	Yes	An association
Goater	1999	Higher prevalence/ diagnosis of psychoses in BAME	Yes	An association
Harrison	1984	BAME perceived greater risk violence/disturbance	Yes - against	West Indian patients were more likely to be female, employed, socially supported and to comply and adhere to treatment
-	-	BAME perceived greater risk violence/disturbance	Yes	West Indian patients more likely to present with 'public disturbance'
Kilbourne	2005	Higher rates of comorbid drugs in BAME	Yes - against	Involuntary care remained associated with ethnic minority status after controlling for substance use
Lawlor	2012	BAME perceived greater risk violence/disturbance	Yes	Clinicians reported white-other and black women were more likely to be admitted because of an assault on an unrelated person or destruction of property
Lindsey	1989	BAME perceived greater risk violence/disturbance	Yes	No difference in TSBC Hostile-Belligerence Index between black voluntary and involuntary patients, but black voluntary patients higher than white voluntary
Lloyd	1992	BAME perceived greater risk violence/disturbance	Yes	An association

-	-	BAME perceived greater risk violence/disturbance	Yes - against	Disturbed behaviour does not account for association between ethnicity and compulsory detention
Moodley	1991	Higher prevalence/ diagnosis of psychoses in BAME	Yes - against	Higher rates of psychosis do not explain higher detention rates
Morgan	2005	BAME perceived greater risk violence/disturbance	Yes - against	Higher detention not explained by perceived risk
-	-	Delayed health seeking/ poor social support	Yes - against	Social isolation does not account for ethnic differences in compulsory admission
Mulder	2006	BAME perceived greater risk violence/disturbance	Yes	Association between non-western ethnicity and compulsory admission found to be explained by a greater severity of psychiatric symptoms, greater level of threat, more lack of treatment motivation and lower level of functioning
Thomas	1993	Delayed health seeking/ poor social support	Yes	An association for african-caribbean but not asian patients
Webber	2004	Delayed health seeking/ poor social support	Yes	Lower social support associated with s.4 admission
Illness-related explanations				
Commander	1999	Denial of illness (poor insight)	Yes	An association
McKenzie	1995	Illness expressed as violence/challenge	Yes - against	Confirms no difference of illness/clinical state
Mulder	2006	Denial of illness (poor insight)	Yes - against	Lack of awareness of illness was not associated with compulsory admission
Oluwatayo	2004	Poor adherence	Yes	Compulsorily admitted african caribbean patients were more likely to comply poorly with their medications
Owens	1991	Illness expressed as violence/challenge	Yes - against	Confirms no difference between black and white sectioned patients in publicly manifest disturbance
Rotenberg	2017	residential instability	Yes	An association
Service-related explanations				
Afuwape	2006	BAME larger police contact	Yes - against	No significant differences between groups in rates of police contact
Corrigan	2013	Racial bias in patient treatment	Yes	Outsize compulsory detention for black patients with psychotic, but not other, diagnoses - possibility that clinicians are showing bias in interpretation of risk associated with psychotic presentation in black and "other" ethnic groups
Fassaert	2016	BAME larger police contact	Yes	Ethnic minorities more likely to be referred through police
Gajwani	2016	BAME larger police contact	Yes	The rate of criminal justice involvement was greater amongst the Black African Group
Lawlor	2012	BAME larger police contact	Yes - non significant	Rates of police and criminal justice system contact in the pathway to care for the black caribbean group were raised, but not significantly so
Morgan	2005	BAME larger police contact	Yes - against	Criminal justice involvement did not fully account for ethnic variation in detention
Selten	1994	Socio-economic status	Yes-against	Found little support that socio-economic deprivation was an important factor
Singh	2014	Site of service related effects	Yes	Site of service accounts for ethnic differences
Sohler	2004	BAME larger police contact	Yes	Greater involvement of police/EMS in admission despite no differences in dangerous behaviours or substance abuse
Thornicroft	1999	BAME larger police contact	Yes	black african and black caribbean patients have great contact with the police and forensic services
Culture-related explanations				
Bansal	2014	Ethnic disadvantage, societal racism	Yes - against	Adjusting for SES increased the risk of mental health hospitalisation for the pakistani group
Bowers	2009	Ethnic disadvantage, societal racism	Yes	greater police detention

Goater	1999	BAME perceptions of mental illness and services	Yes	Higher referral to crisis services from police
Janku	2009	Ethnic disadvantage, societal racism	Yes	decreased referral within juvenile system -african american youth face a more disadvantaged environment than caucasian counterparts, mediating referral to mental health services
Rotenberg	2017	Ethnic density influencing utilisation	Yes	Ethnic density found to be protective
Singh	2015	Different explanatory models of illness	Yes - against	differences in compulsory admission not driven by illness attribution
Weich	2017	Ethnic disadvantage, societal racism	Yes	statistically significant associations with area-level deprivation and ethnic density, with risk of compulsory admission inversely associated with the proportion of white British LSOA residents.
Service Patient interface				
Burnett	1999	Absence of/ unwillingness to consult GP	Yes	An association
Callan	1996	Absence of/ unwillingness to consult GP	Yes	this study did not detect differences in rates of GP referrals for the index admission, but for subsequent admissions a lower proportion of Afro-Caribbean patients were referred by their GP.
Commander	1999	Alienation from services/ mistrust	Yes	An association
Fassaert	2016	Absence of/ unwillingness to consult GP	Yes	non-ethnic dutch were less likely to access specialised mental health care through primary care/GPs
Mohan	2006	Absence of/ unwillingness to consult GP	Yes - against	african-caribbean patients in this study had relatively more contact with GPs in the period before intensive community treatment was introduced, contrasting with previous research
Oluwatayo	2004	Absence of/ unwillingness to consult GP	Yes	compulsorily admitted african caribbean patients were more likely to not contact their GP
Parkman	1997	Alienation from services/ mistrust	Yes	second generation black caribbean patients have decreasing satisfaction with each hospital admission

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