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Version: Supplemental Material

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Table S1 Risk of compulsory admission estimated separately by ethnic group, accounting for patient-level sex, age, and population density, derived from 3-level (patients within LSOAs within NHS Provider Trust) cross-classified multi-level model. Data from the 2010-11 Mental Health Minimum Dataset (N=1,053,617).

			Odds ratio (95% Credible Intervals)				
			White British (n=894519) **Model 3a**	White Other (n=63640) **Model 3b**	Black (n=36,480) **Model 3c**	Asian (n=46,076) **Model 3d**	Mixed (n=12,902) **Model 3e**
Cons			-4·32 (0·082)	-3·388 (0·213)	-3·402 (0·263)	-3·727 (0·281)	-4.204 (0·325)
Level 1 (Patient)	Gender	Women (Ref.)					
		Men	1·23 (1·20-1·26)***	1·24 (1·15-1·34)***	1·45 (1·35-1·55)***	1·53 (1·42-1·66)***	2·03 (1·75-2·35)***
	Age	Under 18 years (Ref.)					
		18-35 years	1·80 (1·59-2·04)***	1·14 (0·80-1·66)	2·53 (1·78-3·80)***	2·53 (1·62-3·99)***	2·85 (1·75-4·79)***
		36-64 years	1·90 (1·69-2·16)***	1·02 (0·72-1·49)	1·74 (1·22-2·62)***	1·74 (1·11-2·74)**	2·31 (1·68-3·93)***
		65 years and older	1·15 (1.02-1·30)*	0·70 (0.48-1·00)*	0·82 (0·57-1·24)	0·79 (0·49-1·27)	1·20 (0·66-2·17)**
Level 2 (LSOA)	Own-group ethnic density		0·93 (0·92-0·94)***	1·21 (1·12-1·29)***	1·02 (0·98-1·05)	0·98 (0·96-1.01)	1·66 (1.10-2·47)**
	Population density	first quintile (least populated) (Ref.)					
		second quintile	1.07 (1.02-1.13)***	1.08 (0.89-1.32)	1.48 (1.08-2.00)**	0.94 (0.71-1.26)	1.02 (0.68-1.54)
		third quintile	1.11 (1.06-1.17)***	1.19 (0.98-1.44)	1.33 (0.98-1.77)*	0.94 (0.71-1.25)	0.92 (0.62-1.37)
		fourth quintile	1.09 (1.04-1.15)***	1.16 (0.97-1.40)	1.31 (0.97-1.73)*	0.92 (0.70-1.22)	1.01 (0.62-1.37)
		fifth quintile (most populated)	1.10 (1.04-1.17)***	1.13 (0.93-1.36)	1.21 (0.90-1.59)	0.98 (0.75-1.29)	0.96 (0.65-1.42)

Bayesian p-value: ***<0.001, **<0.01, *<0.05