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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