

GA rates for CDs are higher in patients from some ethnic minority backgrounds

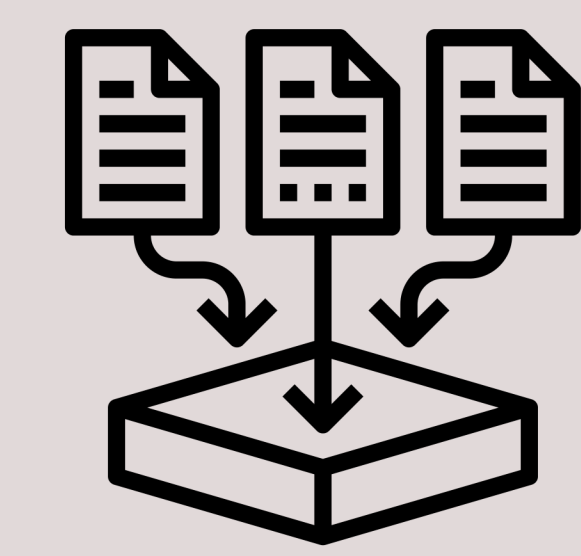


GIG
CYMRU
NHS
WALES

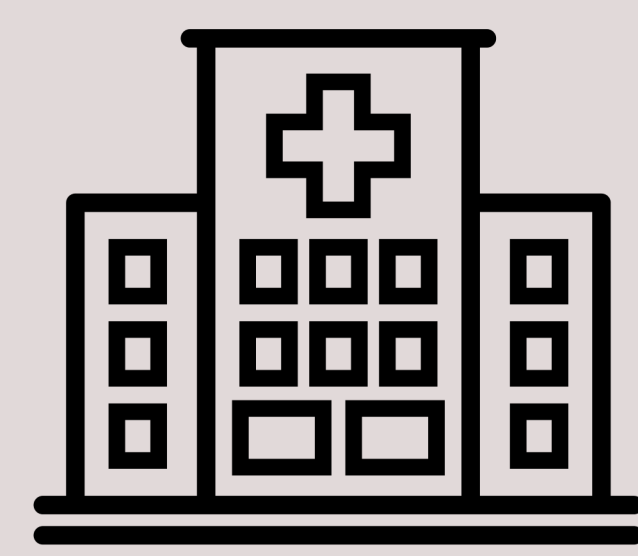
Bwrdd Iechyd Prifysgol
Caerdydd a'r Fro
Cardiff and Vale
University Health Board

Ben Sharif, Yavor Metodiev

METHODS



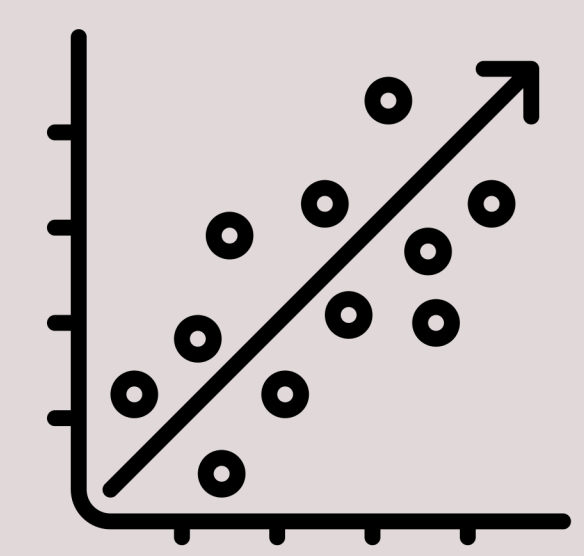
Routine Maternity
Data



1 Tertiary
Centre



2021 Census
Ethnicity Categories



Chi-square and Logistic
Regression Analysis

Co-variates:
1. Age
2. Parity
3. Welsh Index of
Multiple Deprivation

RESULTS

DATASET
10 years

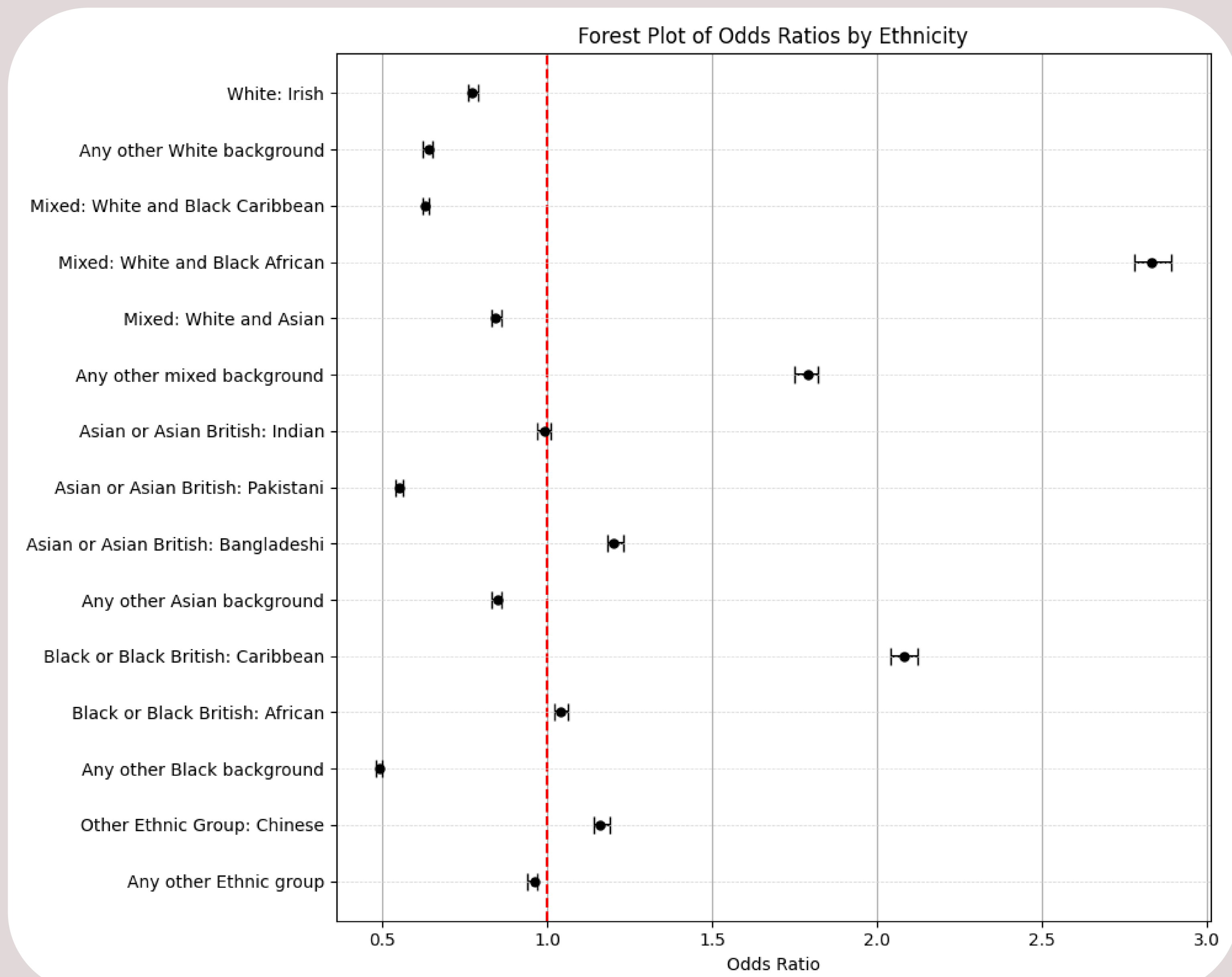
57,788
Births

14,950
Caesarean
Deliveries

445
General
Anaesthetics

ANALYSIS

Ethnicity Statistically significant association (Chi-square $p < 0.05$) Anaesthesia



Odds ratios of GA for different ethnicities. Adjusted for co-variates detailed above. White British is the reference category (1.0)

LIMITATIONS

- Unable to adjust for comorbidities that may increase GA rates
- Data limited by quality of coding
- Variation in personal identification of ethnicity

SUMMARY

- Mixed (White and Black African) women were 2.8 times more likely receive GA compared to White British women
- Likelihood of GA was high for Black or Black British (Caribbean) (aOR 2.06) and Any other mixed background (aOR 1.80)
- Results consistent with prior research¹
- Further research needed to explore any causal factors
- Emphasises the need for ethnically & culturally sensitive healthcare policies

1. Bamber, J.H., Goldacre, R., Lucas, D.N., Quasim, S. and Knight, M. (2023), A national cohort study to investigate the association between ethnicity and the provision of care in obstetric anaesthesia in England between 2011 and 2021. Anaesthesia, 78: 820-829.