

Migrants' primary care utilization before and during the C19 pandemic using electronic health records

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Migrants' primary care utilization

Context

- Impact of the pandemic on primary care utilization is poorly understood
- Data on migrants is not collected at point of contact in the England NHS

Aim

- To compare primary care consultation rates between international migrants and non-migrants in England before and during the C-19 pandemic

Methods

- Data sources: Clinical Practice Research Datalink (CPRD) GOLD + Office for National Statistics (ONS) deprivation data
- Exposure = migrants -> code list
- Outcome = consultations (including type)
- Matched migrants and non-migrants
- Analysis: controlled interrupted time series, negative binomial regression

Definite migrants	COB or visa status codes
Probable migrants	Main language other than English codes
Possible migrants	Non-UK origin codes

Findings – before the pandemic



Figure 2. Forest plots of migrant versus non-migrant consultation rate ratios before the pandemic (2015–2019), including by age group (A) and ethnicity (B). *All represents migrants of all ethnic groups compared to White British non-migrants.

Findings – before and during the pandemic

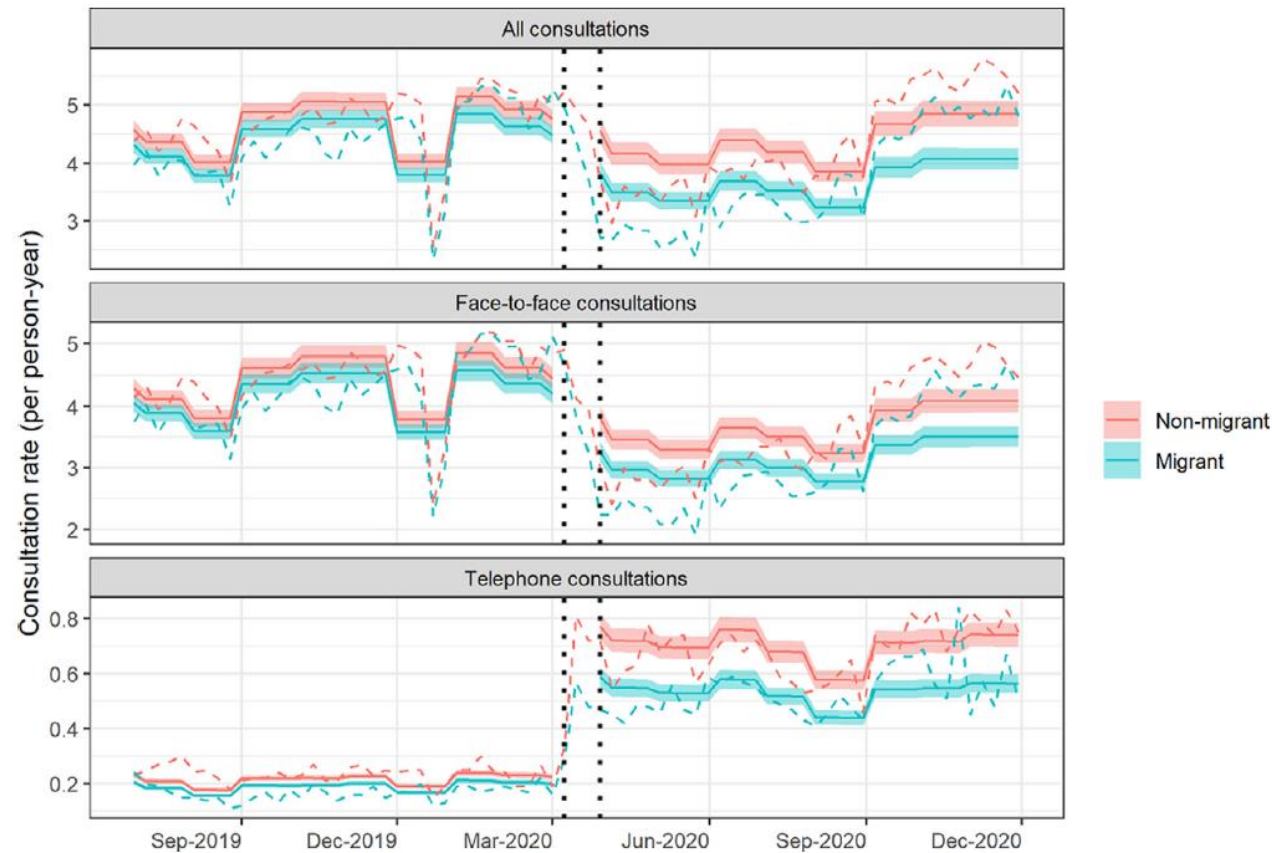


Figure 3. Weekly consultation rates by migration status in England: predicted rates from interrupted time-series analysis (solid line) and actual observed rates (dashed line), truncated view July 2019–November 2020.