# Health inequalities for women following a diagnosis of gestational diabetes



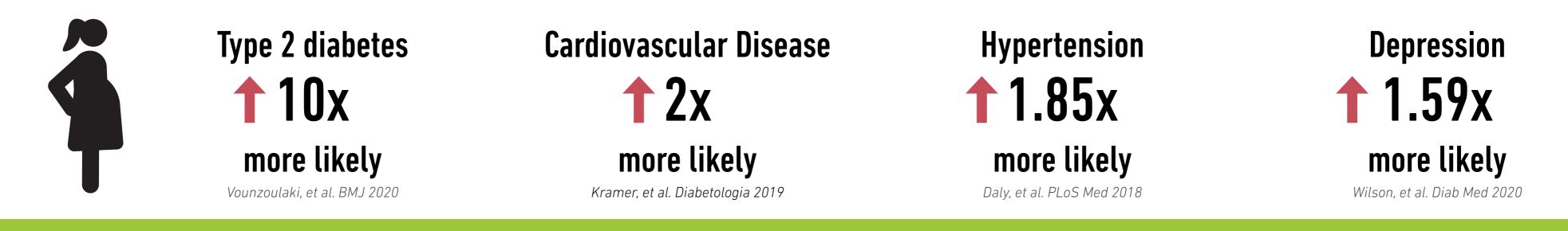
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# Background

Gestational diabetes: A type of diabetes that first develops in pregnancy and disappears after giving birth, estimated to affect1 in 20 pregnancies in the UK.

**Burden on health:** A diagnosis of gestational diabetes increases the risk of further **physical and mental health related morbidity** following pregnancy.



The issue: limited contemporary research on impact of gestational diabetes on long-term health, no evidence on health disparities and disease burden

# **Aim and Methods**

To investigate differences by ethnicity and socioeconomic status in risk of recurrent gestational diabetes, type 2 diabetes, hypertension, and depression, in women with prior gestational diabetes mellitus.

**Data:** Previously collected UK patient data

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Clinical Practice Research Datalink (primary care data)



**Hospital Episode Statistics** 

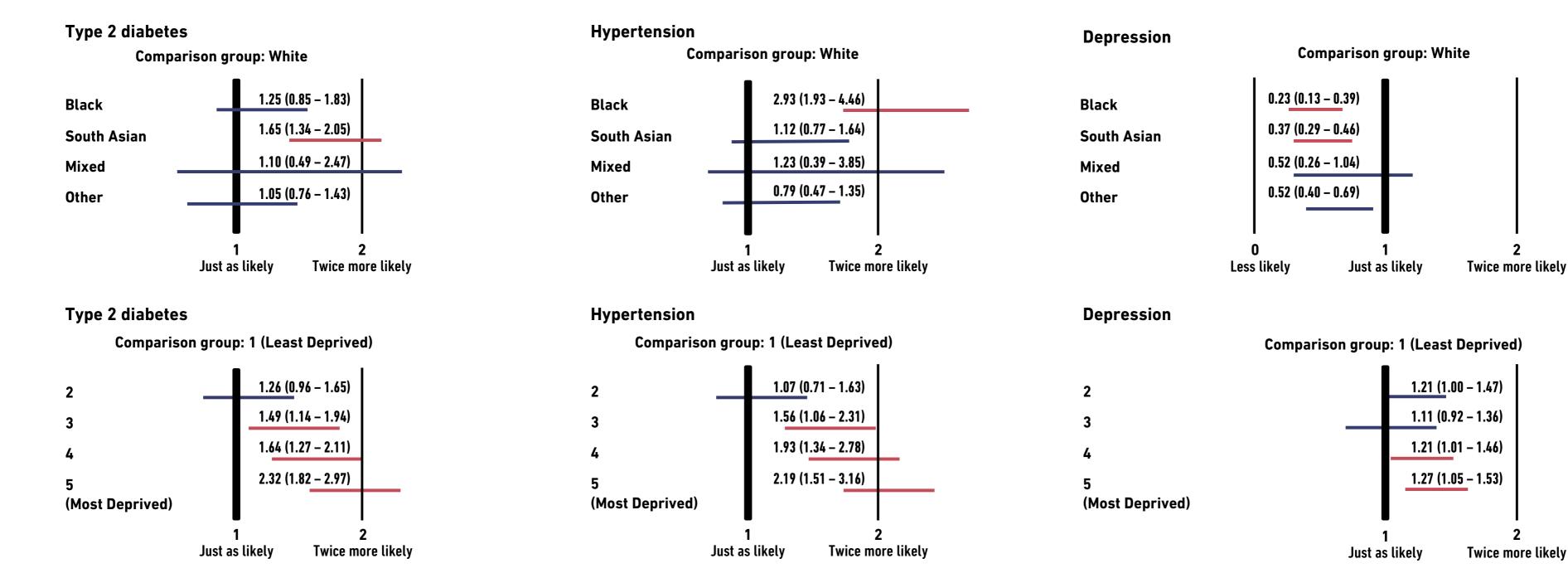
(secondary care data)

Index of Multi

Index of Multiple Deprivation (data on patient socioeconomic status)

# Results

A total of 10,868 women with a history of gestational diabetes were included in the study.



Interpretation: Results highlighted in red represent statistically significant associations. If estimates cross 1 (just as likely), no significant results were observed for recurrent gestational diabetes, most likely due to reduction in sample size (only those who had a subsequent pregnancy), so graphs are not presented here.

# Conclusions

### What did we find?

- Risk of health complications following pregnancy complicated by gestational diabetes differs by ethnicity and socioeconomic status.
- We need to reconsider perceptions: Gestational diabetes- not a temporary condition, has a long-term impact on health.

## What happens next?

- Need for further action to transform healthcare systems in order to reduce healthcare inequalities among this population.
- Findings can be actively disseminated with clinicians and policy makers and inform strategies to tackle health inequalities.





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