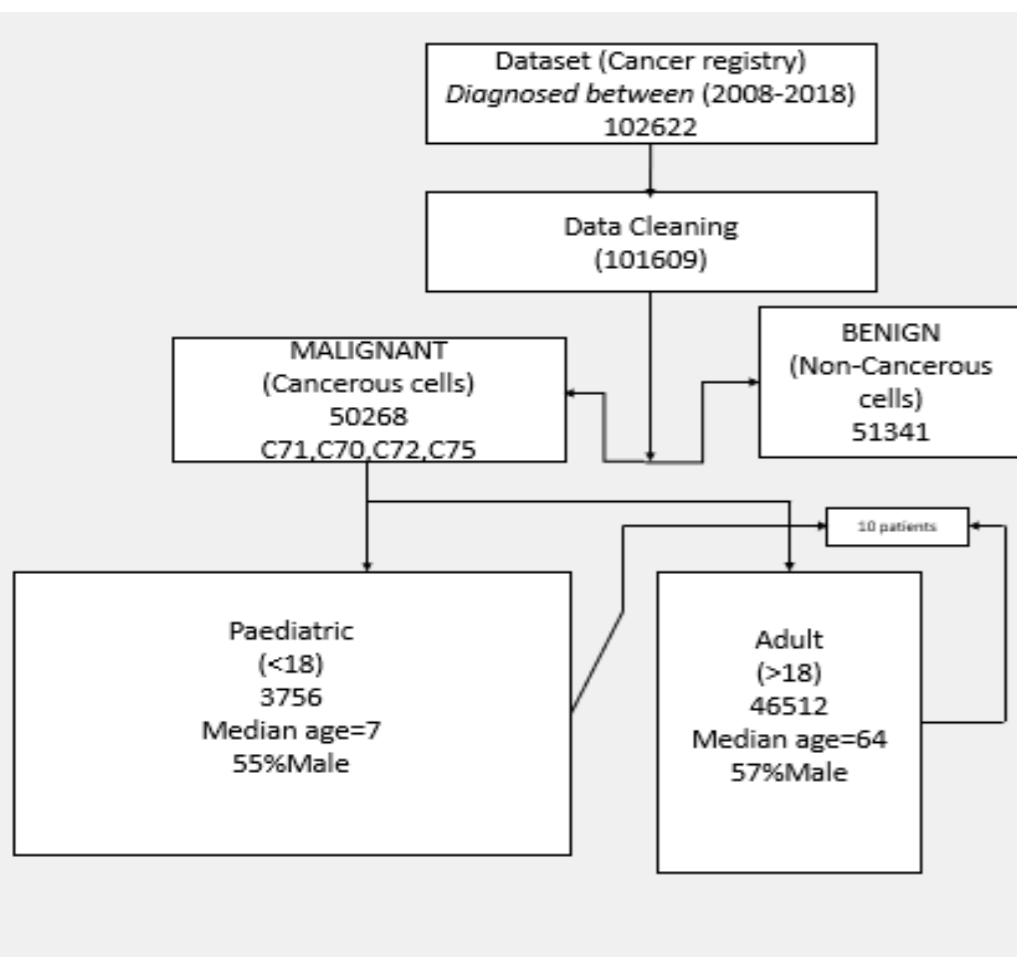


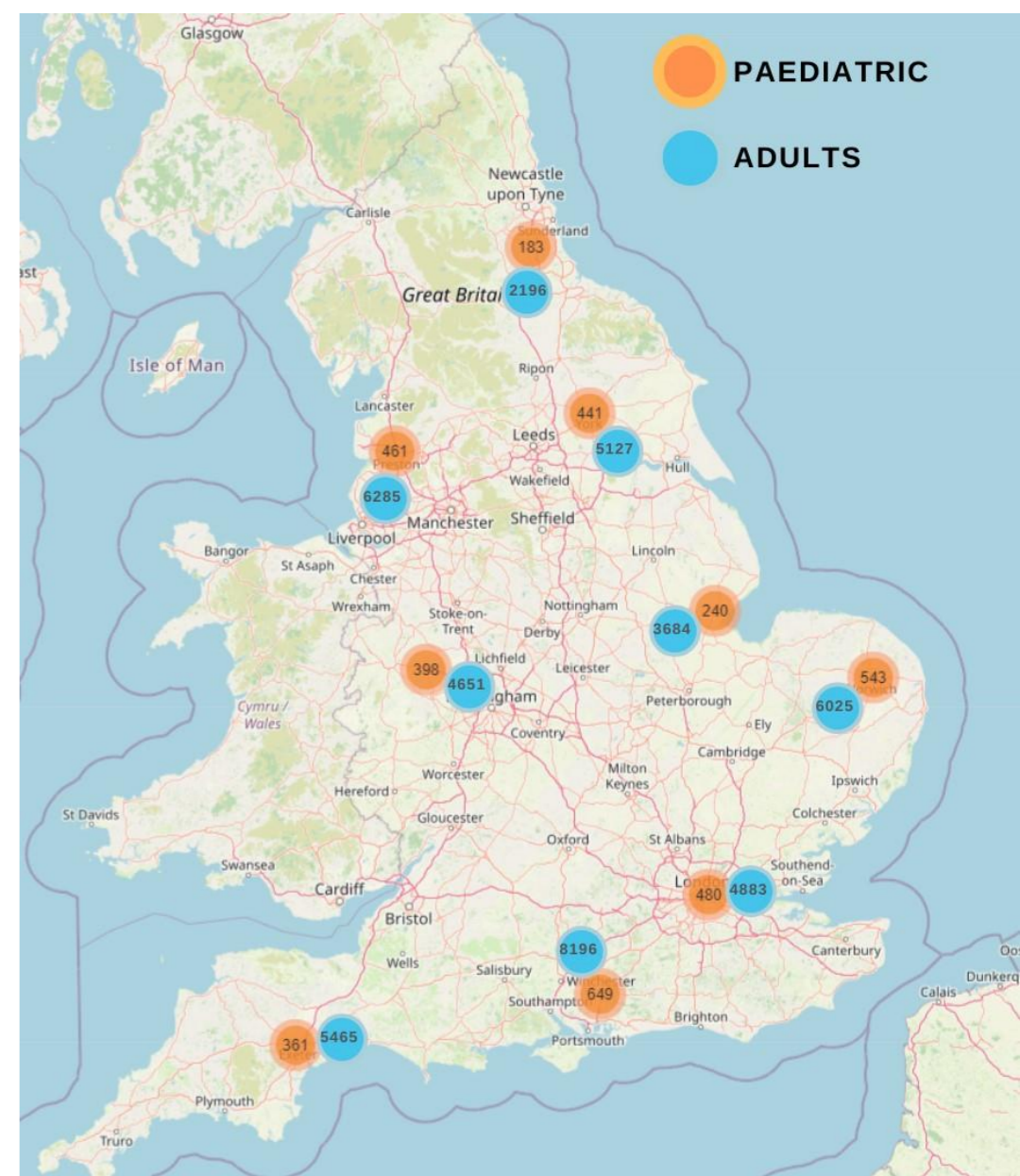
INTRODUCTION

In the realm of brain tumour survival analysis, every discovery sparks new questions. What defines the trajectory of survival? What are the true determinants of a patient's fate? However, factors such as tumour type, ethnicity and region require sophisticated statistical techniques to uncover meaningful insights from data. **Ethnicity's impact** on genetics, behaviour, socioeconomic factors, healthcare access, and interactions with variables makes it crucial in survival analysis. Understanding these dynamics informs equitable healthcare, personalized treatments, and effective public health strategies to address disparities and improve outcomes (2).

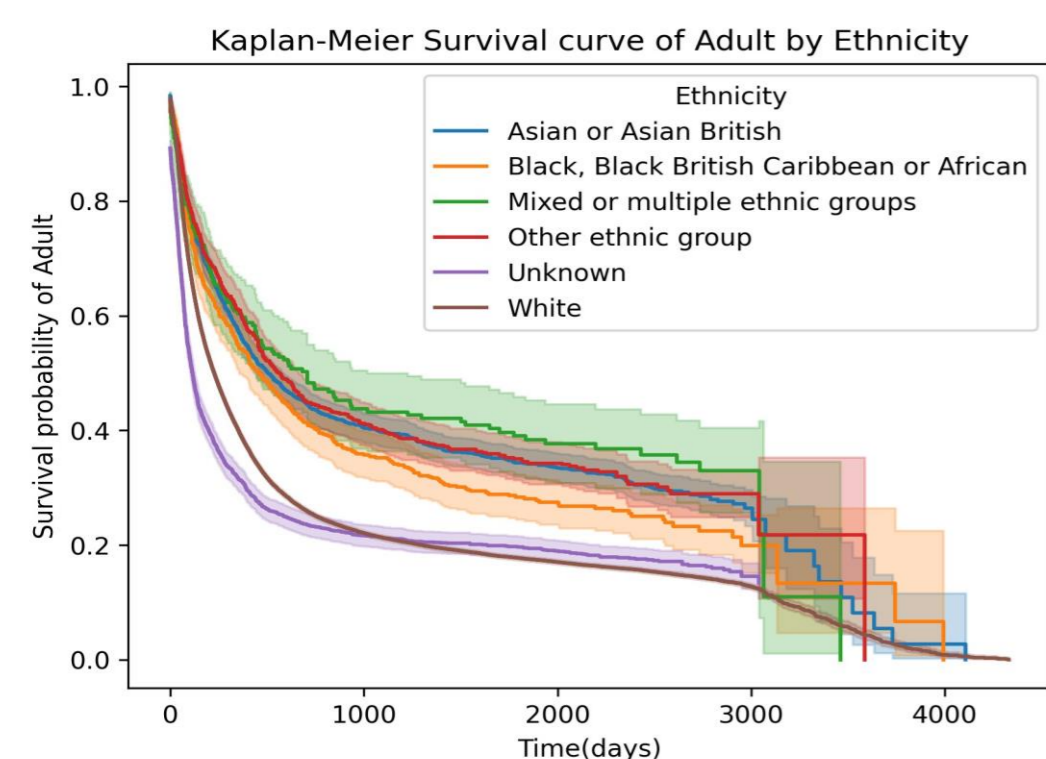
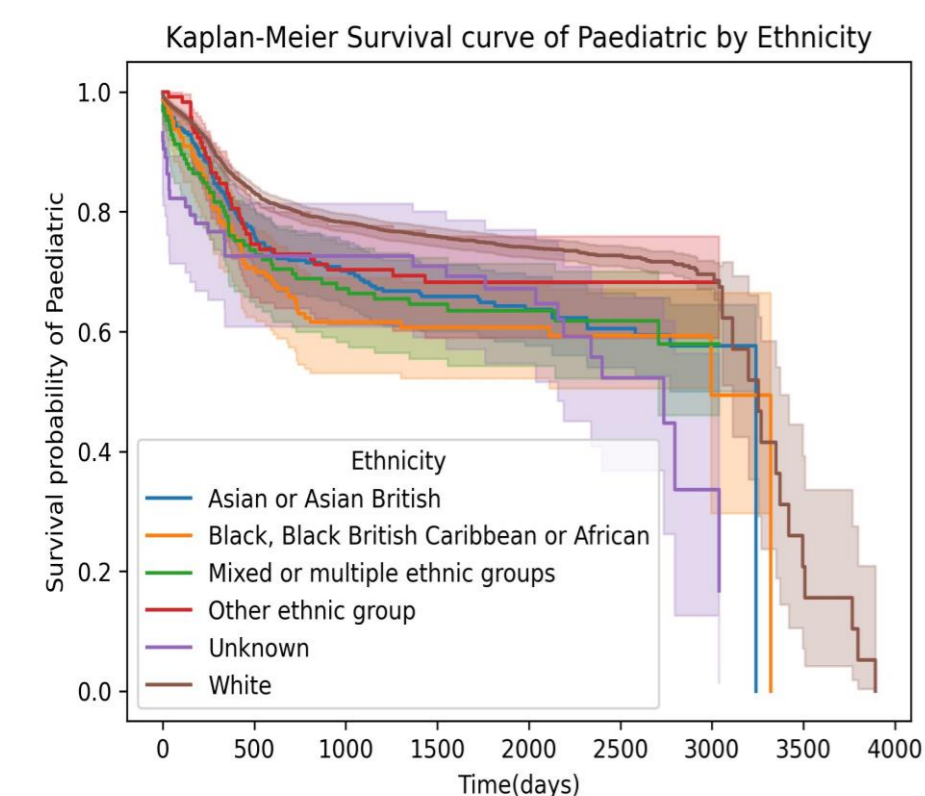
DATASET



	2011 (Census)	2021 (Census)	Dataset (Adult)	Dataset (Paediatric)
White	86%	81.7%	41,814 (89.9%)	3,016 (80.3%)
Asian or Asian British	7.5%	9.3%	1,444 (3.1%)	281 (7.5%)
Black, Black British Caribbean or African	3.3%	4.0%	534 (1.14%)	143 (3.8%)
Mixed or multiple ethnic groups	2.2%	2.9%	199 (0.42%)	125 (3.3%)
Other ethnic group	1.0%	2.1%	674 (1.44%)	118 (3.1%)
Unknown	N/A	N/A	1847 (3.97%)	73 (1.9%)



METHODS & RESULTS

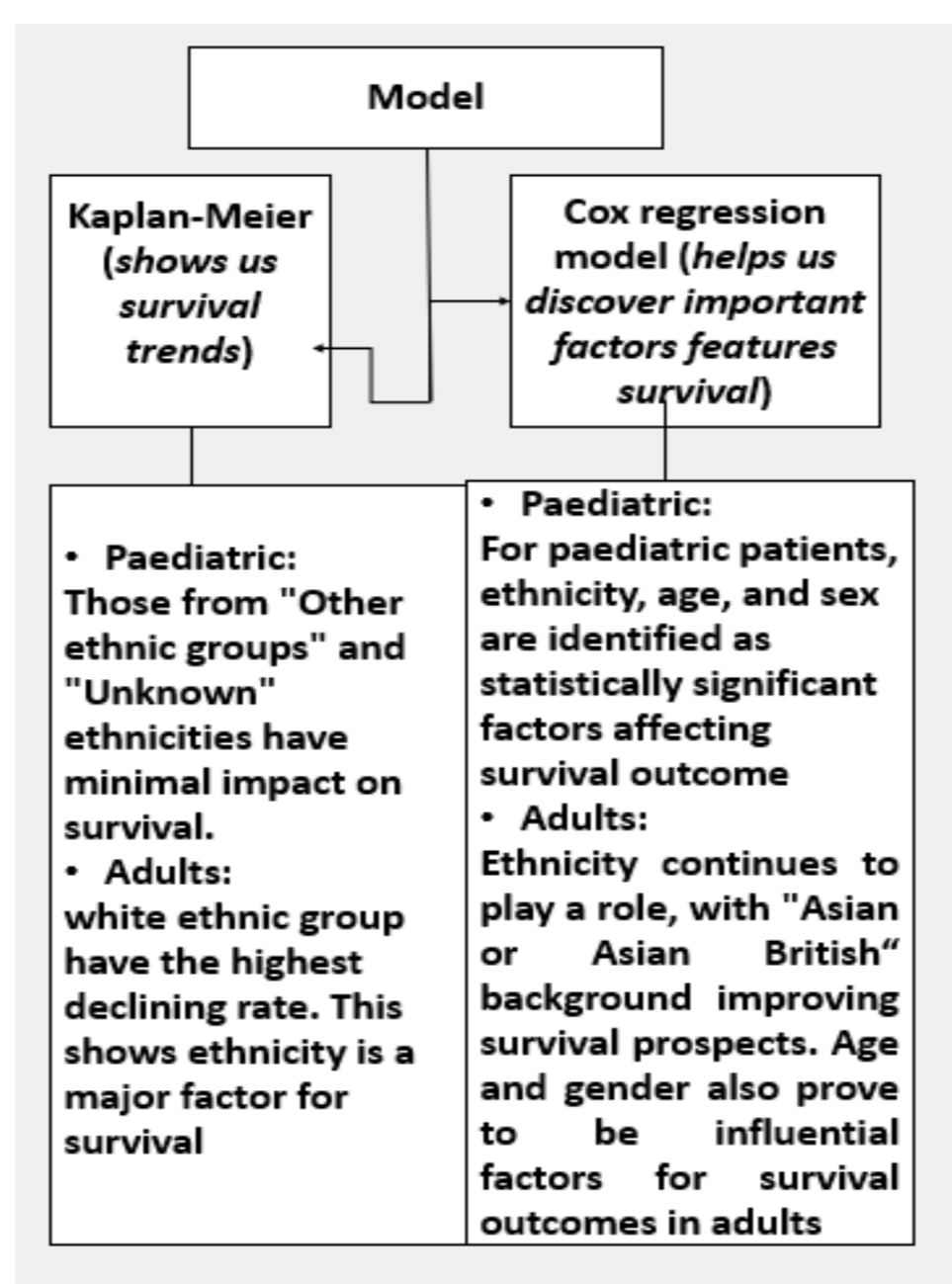


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2. [Survival analysis—part 2: Cox proportional hazards model - PMC \(nih.gov\)](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3111111/)

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FINDINGS

- The models highlights potential variations in healthcare. However, it's important to note that this is an initial inquiry, and forthcoming research will delve deeper into investigating these disparities.

BENEFITS

- This study provides valuable insights to the policy team regarding potential areas of investigation. Should the results be validated, steps can be taken to ensure uniform levels of care for everyone.

