Research question:

1. How does gestational age at delivery relate to cardiovascular disease development during and after menopause?
2. How does gestational age at delivery related to breast disease development during and after menopause?

Population:

The population studied will be women in the All Of Us dataset who have had at least one child and who are going through/have gone through menopause. For each RQ, we will divide the population into two sub-groups, based on the existence of cardiovascular/breast disease.

Methods:

We will perform a retrospective cohort study and analyze the participants using a Cox regression model to compute hazard ratios. We will stratify based on the following potential confounding variables: [1] education level [2] income (quartiles) [3] BMI [4] smoking status and [5] prepregnancy hypertension or diabetes. Missing data will be imputed using other covariates. We will look at the following cardiovascular diseases:

RQ1. CVD, CHD, stroke

RQ2.