

## Description of Additional Supplementary Files

**File Name:** Supplementary Data 1

**Description:** Inventory and ICD-10 crosswalk of all 336 diagnosis entities considered for inclusion

**File Name:** Supplementary Data 2

**Description:** Counterfactual model performance metrics and other summary statistics for all 336 diagnosis entities considered for inclusion

**File Name:** Supplementary Data 3

**Description:** Point estimates, p-values (unadjusted and adjusted), and 95% confidence intervals of monthly deviations for all 261 diagnosis entities included for analysis

**File Name:** Supplementary Data 4

**Description:** Source data for the main figures in this paper