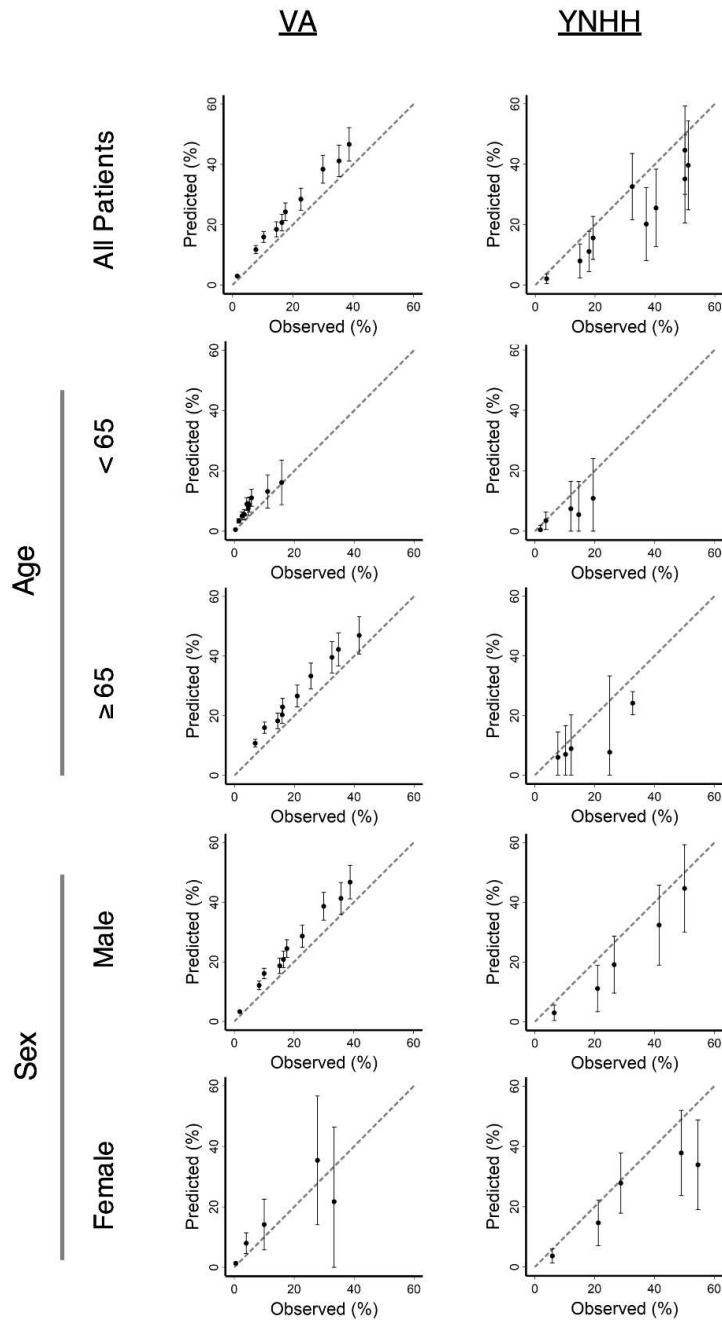


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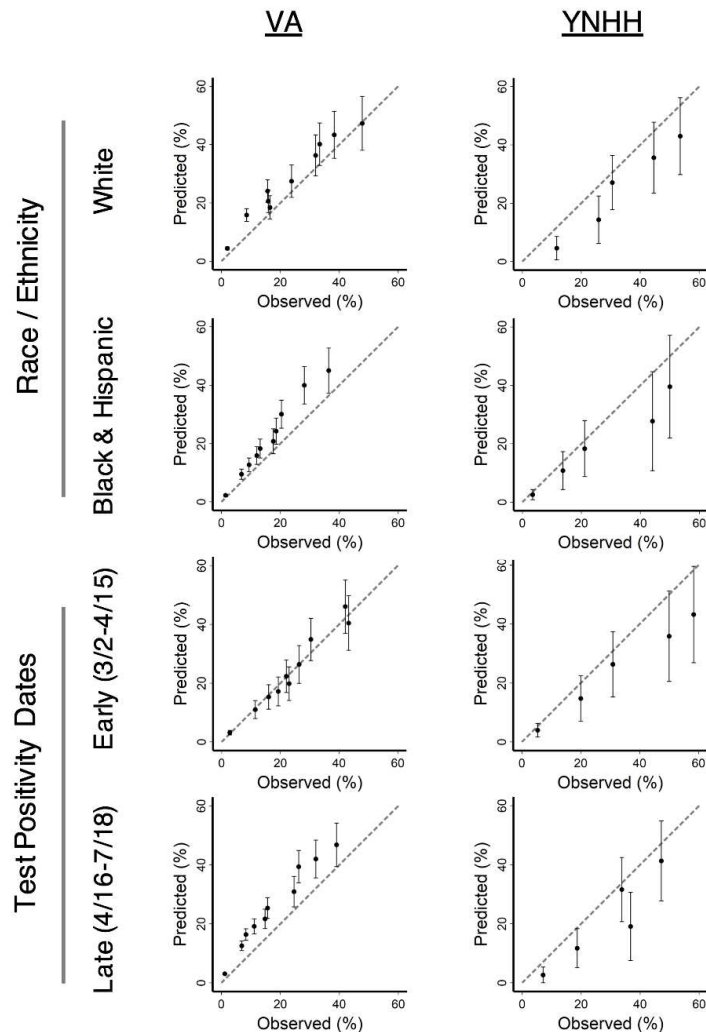
Supplementary Figure 1a. Calibration plots comparing VACO Index predicted and observed 30-day mortality in Veterans Health Administration (VA) and Yale New Haven Health (YNHH) data, overall and in age and sex subgroups. The dashed diagonal line represents perfect prediction. Values above the dashed line indicate overprediction of mortality by the VACO Index, and values below the line represent underprediction. Error bars depict 95% confidence intervals of mortality predictions. Small VA female overall YNHH data sample size limited subgroup plots to five strata and produced wide confidence intervals.



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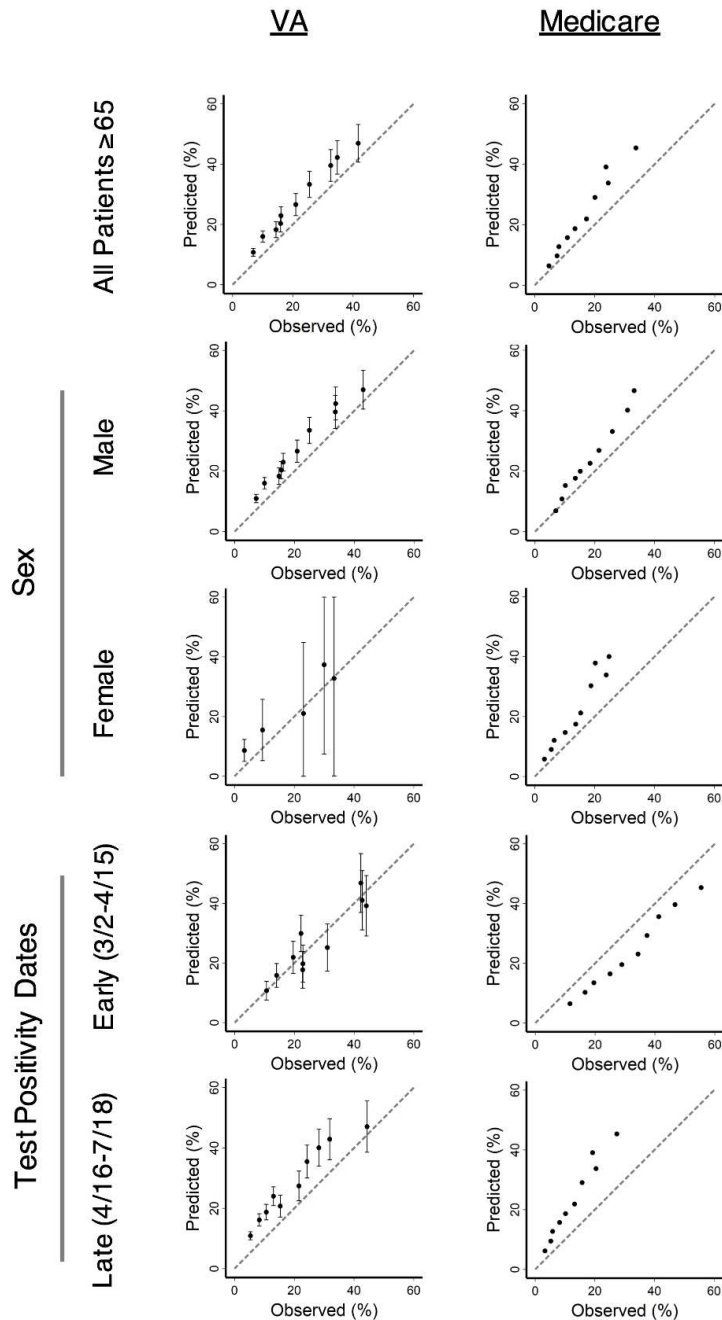
Supplementary Figure 1b. Calibration plots comparing VACO Index predicted and observed 30-day mortality in Veterans Health Administration (VA) and Yale New Haven Health (YNHH) data in Non-Hispanic White vs Non-Hispanic Black and Hispanic subgroups, and in early (2 March 2020 to 15 April 2020) vs later (16 April 16 to 19 July 2020) testing date subgroups. The dashed diagonal line represents perfect prediction. Values above the dashed line indicate overprediction of mortality by the VACO Index, and values below the line represent underprediction. Error bars depict 95% confidence intervals of mortality predictions. Small sample size of YNHH data limited subgroup plots to five strata and produced wide confidence intervals.



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Supplementary Figure 2a. Calibration plots comparing VACO Index predicted and observed 30-day mortality in Veterans Health Administration (VA) patients age 65 and older and Medicare data, overall and in sex and early (2 March 2020 to 15 April 2020) vs later (16 April to 19 July 2020) testing date subgroups. The dashed diagonal line represents perfect prediction. Values above the dashed line indicate overprediction of mortality by the VACO Index, and values below the line represent underprediction. Error bars depict 95% confidence intervals of mortality predictions – large sample size of Medicare data produced tight 95% confidence intervals that are not visible at this plot scale. Small VA female sample size limited plots to five strata.



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Supplementary Figure 2b. Calibration plots comparing VACO Index predicted and observed 30-day mortality in Veterans Health Administration (VA) patients age 65 and older and Medicare data in race/ethnicity subgroups: Non-Hispanic White, Non-Hispanic Black, Hispanic, Asian, and North American Natives (the latter two categories only available in Medicare data). The dashed diagonal line represents perfect prediction. Values above the dashed line indicate overprediction of mortality by the VACO Index, and values below the line represent underprediction. Error bars depict 95% confidence intervals of mortality predictions – large sample size of Medicare data produced tight 95% confidence intervals that are not visible at this plot scale.

