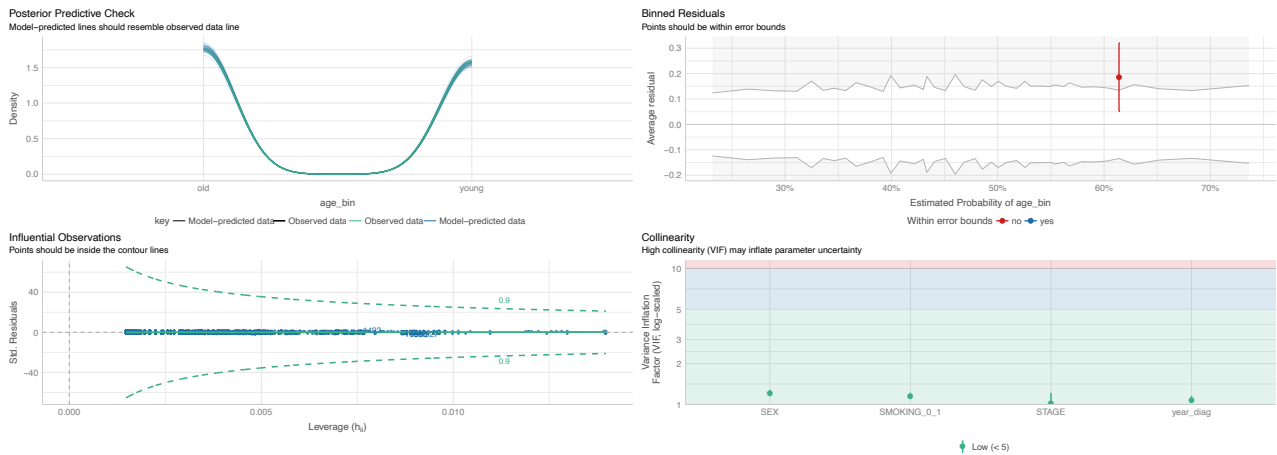


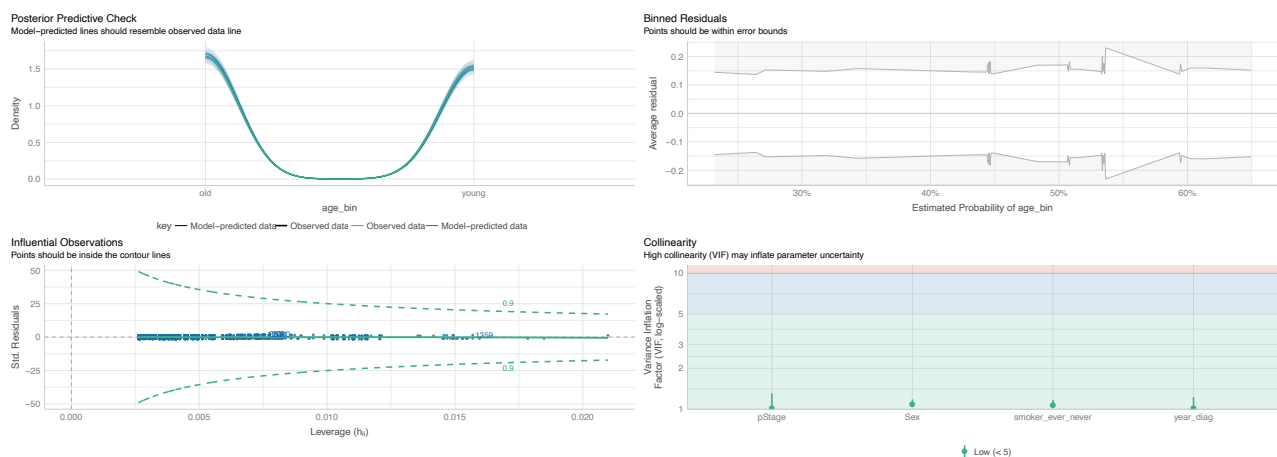
Supplementary Figure S1. Assessment of linear model assumptions in the discovery series with `check_model` function of Performance package in R. No multicollinearity was observed, but non-linear distribution of residuals and heteroscedasticity were detected.



Supplementary Figure S2. Assessment of logistic model assumptions in the discovery series with `check_model` function of Performance package in R. No multicollinearity was observed; about 92% of the binned residuals are inside the error bounds. Additionally, no outliers were detected with Cook's method (threshold = 0.89).



Supplementary Figure S3. Assessment of linear model assumptions in the validation series with `check_model` function of Performance package in R. No multicollinearity or heteroscedasticity was observed, but non-linear distribution of residuals was detected.



Supplementary Figure S4. Assessment of logistic model assumptions in the validation series with `check_model` function of Performance package in R. No multicollinearity was observed; about 100% of the binned residuals are inside the error bounds. Additionally, no outliers were detected with Cook's method (threshold = 0.89).