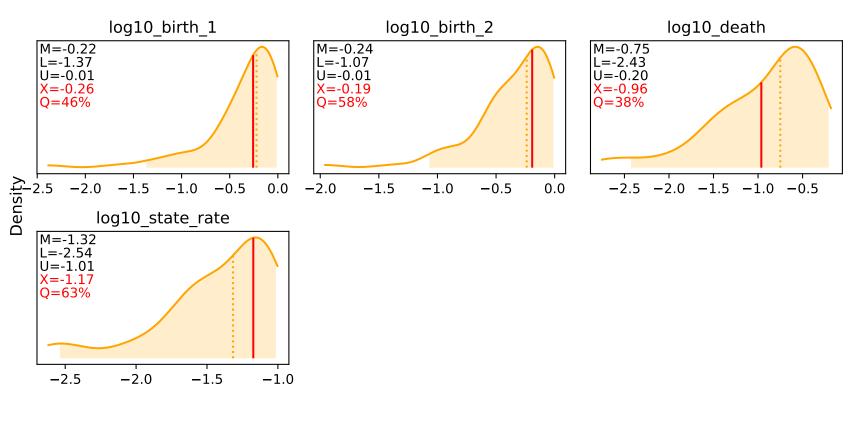


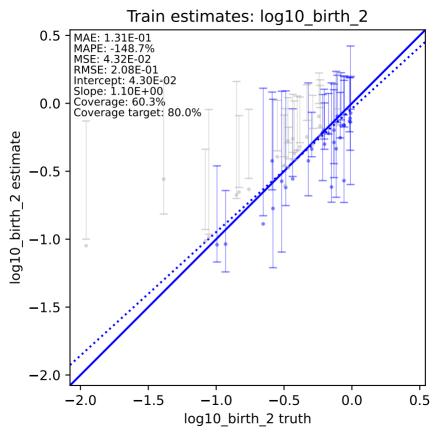
Data

Density: training labels

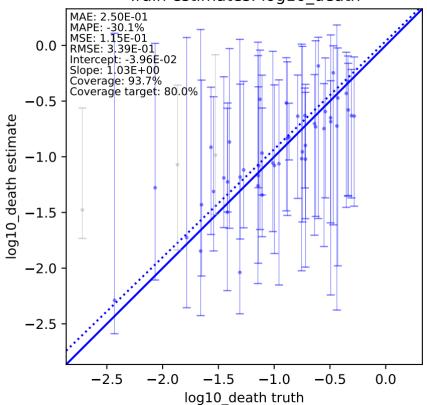


Data

Train estimates: log10 birth 1 MAE: 1.42E-01 MAPE: -177.4% MSE: 4.13E-02 0.0 RMSE: 2.03E-01 Intercept: 7.36E-02 Slope: 1.22E+00 Coverage: 82.5% Coverage target: 80.0% -0.5log10\_birth\_1 estimate -1.0-2.0-2.0-1.5-1.0-0.50.0 -2.5log10\_birth\_1 truth

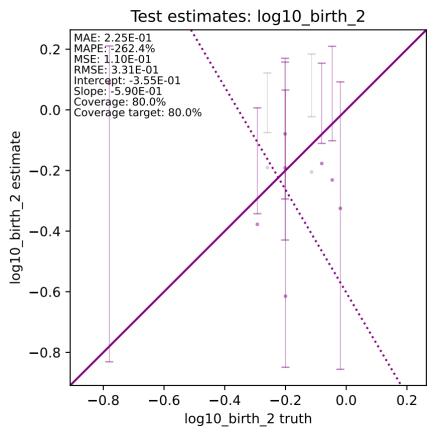


Train estimates: log10\_death



Train estimates: log10 state rate -0.75 -MAE: 1.88E-01 MAPE: -12.8% MSE: 6.16E-02 RMSE: 2.48E-01 -1.00 -Intercept: 2.77E-01 Slope: 1.19E+00 Coverage: 69.8% Coverage target: 80.0% -1.25log10\_state\_rate estimate 1.50 1.75 -2.00 2.25 -2.50-2.75-2.5-2.0-1.5-1.0log10 state rate truth

Test estimates: log10 birth 1 MAE: 2.91E-01 0.50 MAPE: -279.5% MSE: 1.43E-01 RMSE: 3.78E-01 Intercept: -3.09E-01 0.25 -Slope: -2.12E-01 Coverage: 100.0% Coverage target: 80.0% 0.00 log10\_birth\_1 estimate -0.25 -0.50-0.75 -1.00-1.25-1.50-1.50 -1.25 -1.00 -0.75 -0.50 -0.250.00 0.25 0.50 log10\_birth\_1 truth



Test estimates: log10 death MAE: 5.12E-01 MAPE: 5.12E-01 MAPE: -73.0% MSE: 4.06E-01 RMSE: 6.37E-01 Intercept: -1.08E+00 Slope: -4.15E-01 Coverage: 100.0% Coverage target: 80.0% 0.5 -1.0 -2.0

-1.0

log10 death truth

-0.5

0.0

-2.0

-1.5

log10\_death estimate

Test estimates: log10\_state\_rate MAE: 2.58E-01 MAPE: -18.1% -1.00 +MSE: 9.22E-02 RMSE: 3.04E-01 Intercept: -6.69E-01 Slope: 5.29E-01 Coverage: 70.0% Coverage target: 80.0% -1.25log10\_state\_rate estimate 1.50 1.75 -2.00 -2.25-2.50-2.50 -2.25 -2.00 -1.75 -1.50 -1.25 -1.00log10 state rate truth

