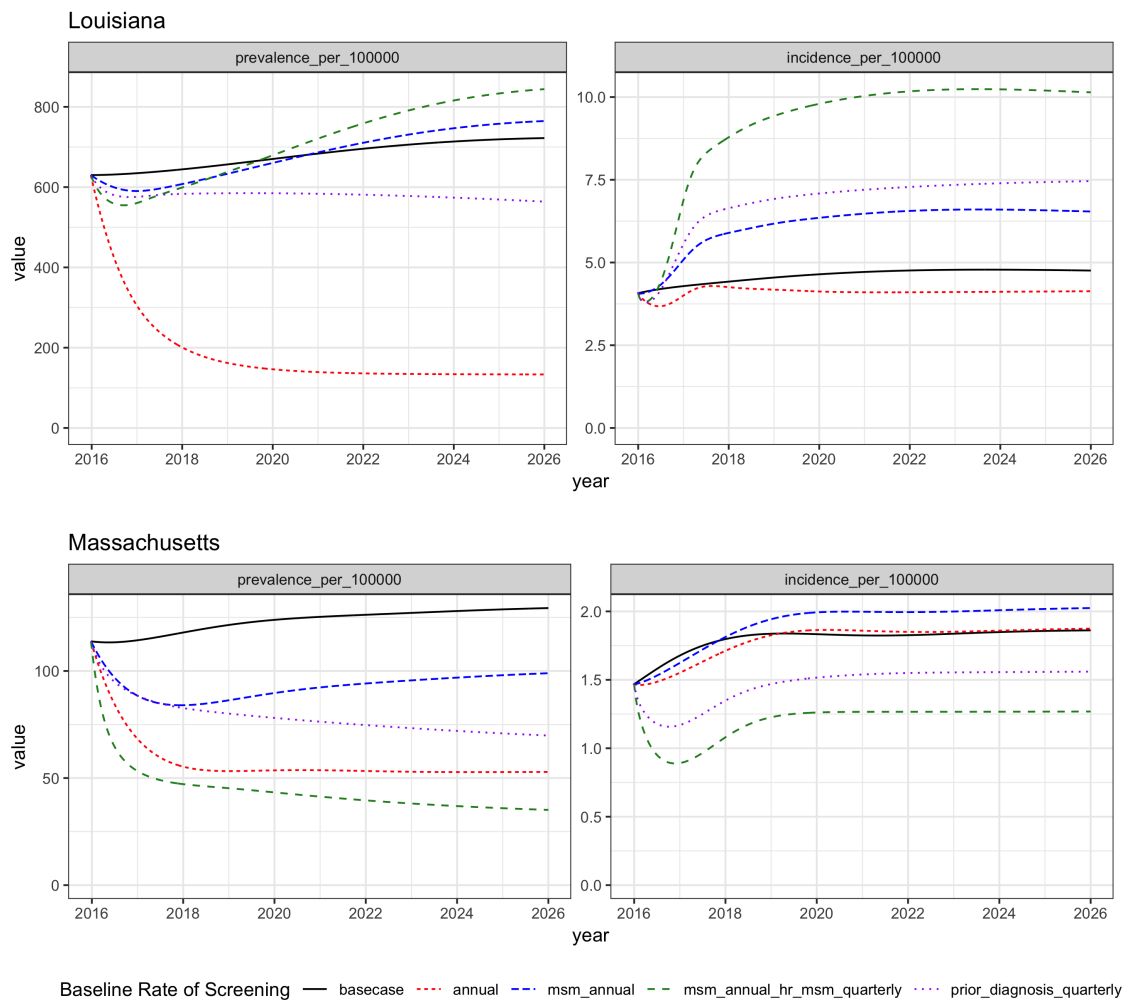# Analyzing Screening Guidelines Scenarios

Christian Testa

The following outputs are in measures of infections per 100,000.

For reference, the assumed population sizes of Louisiana and Massachusetts are 2,787,423 and 4,230,601 respectively (assumed from 2015 census estimates).
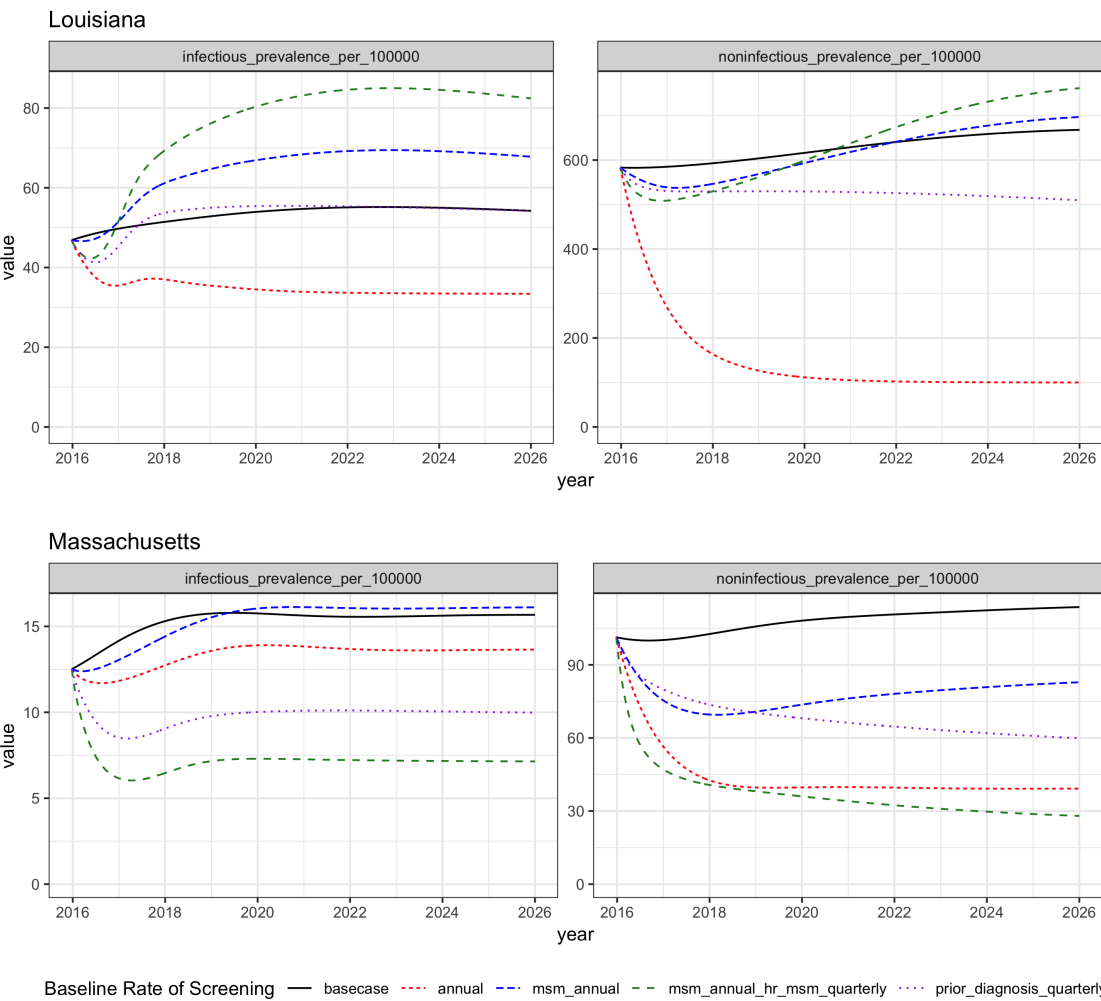
Prevalence and Incidence

Base Case, Annual, and MSM Annual Screening Scenarios

Infectious and Noninfectious Prevalence
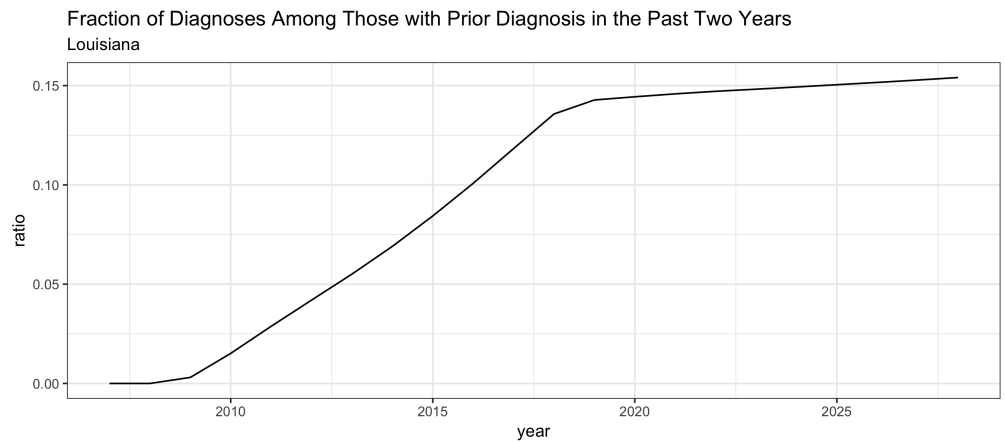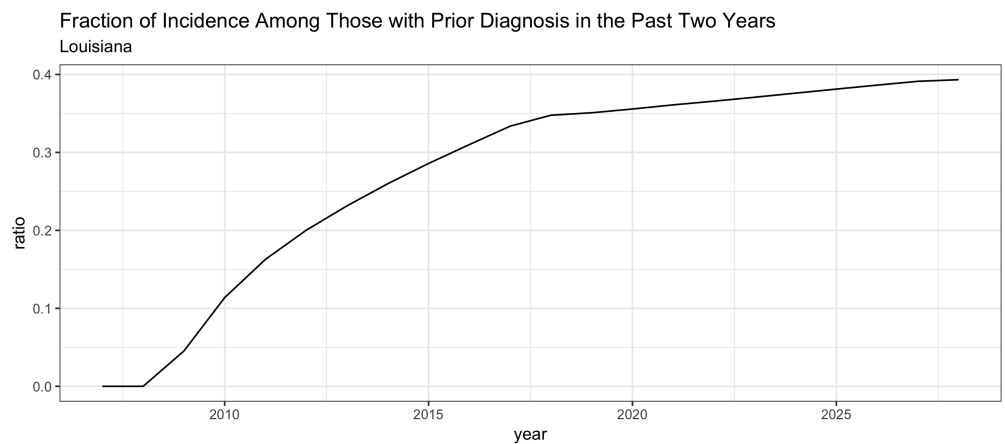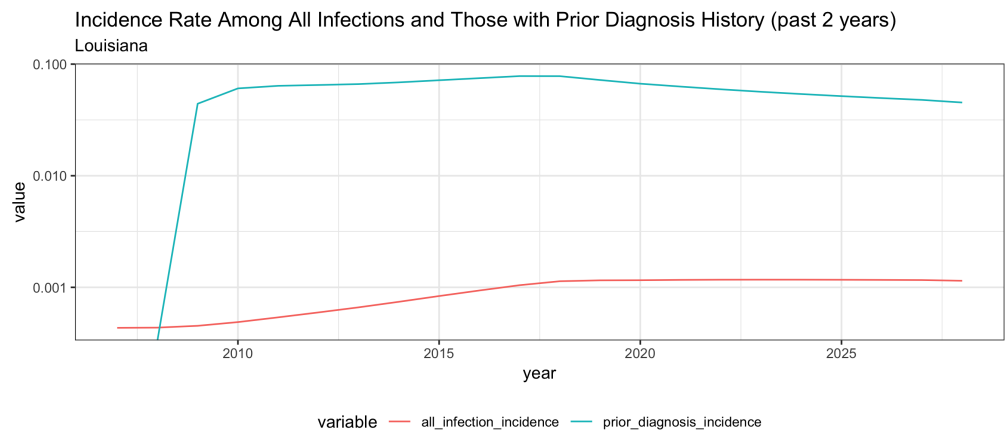
Base Case, Annual, and MSM Annual Screening Scenarios

Louisiana

Massachusetts

Baseline Rate of Screening — basecase ---- annual ---- msm_annual ---- msm_annual_hr_msm_quarterly ···· prior_diagnosis_quarterly

Incidence and Diagnoses, Separated by All Infections and Those with Prior Diagnosis

Louisiana

Incidence Rate Among All Infections and Those with Prior Diagnosis History (past 2 years)
Louisiana

variable — all_infection_incidence — prior_diagnosis_incidence

Fraction of Incidence Among Those with Prior Diagnosis in the Past Two Years
Louisiana

Fraction of Diagnoses Among Those with Prior Diagnosis in the Past Two Years
Louisiana

Massachusetts

Incidence Rate Among All Infections and Those with Prior Diagnosis History (past 2 years)
Massachusetts

variable — all_infection_incidence — prior_diagnosis_incidence

Fraction of Incidence Among Those with Prior Diagnosis in the Past Two Years
Massachusetts

Fraction of Diagnoses Among Those with Prior Diagnosis in the Past Two Years
Massachusetts