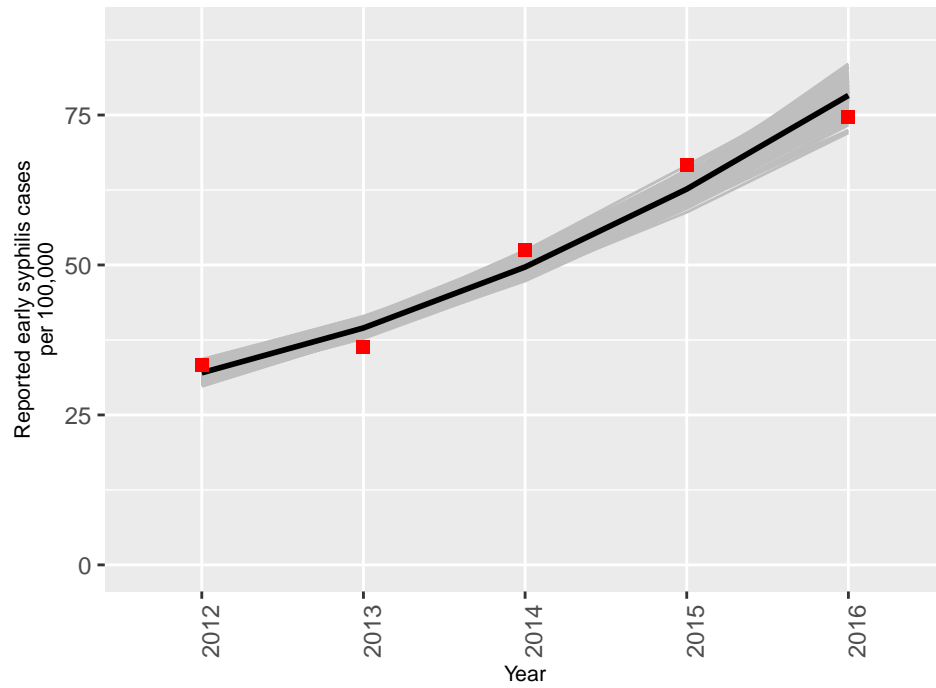
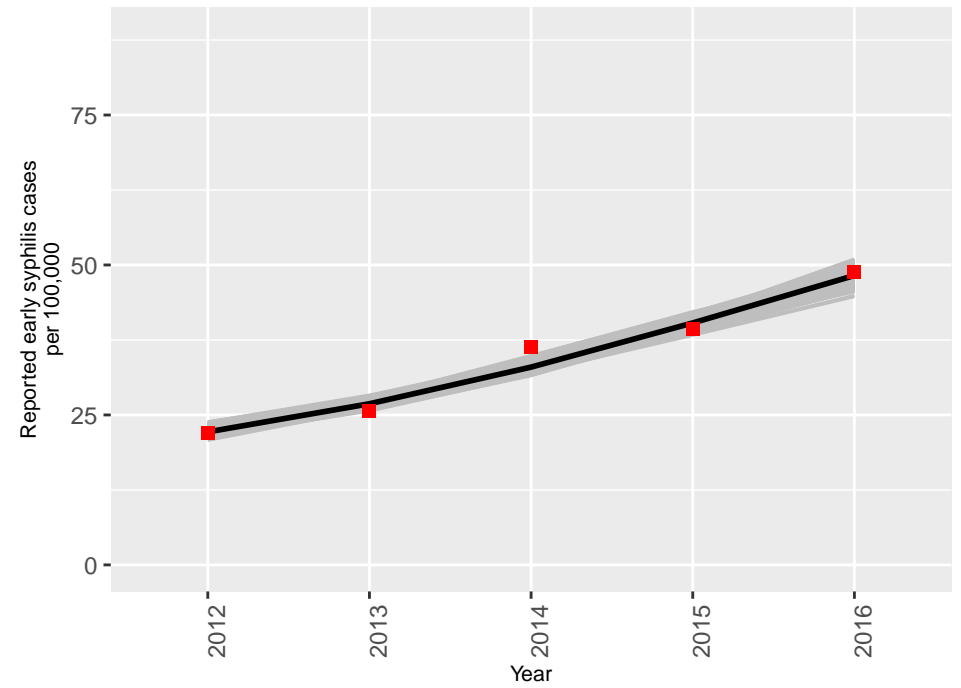


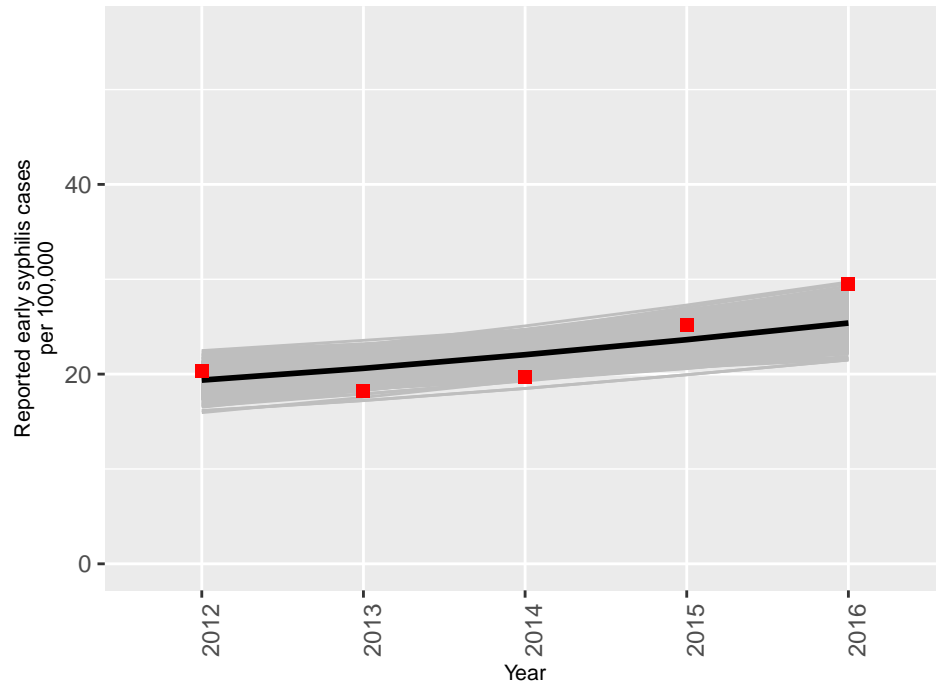
All M 20–44 y



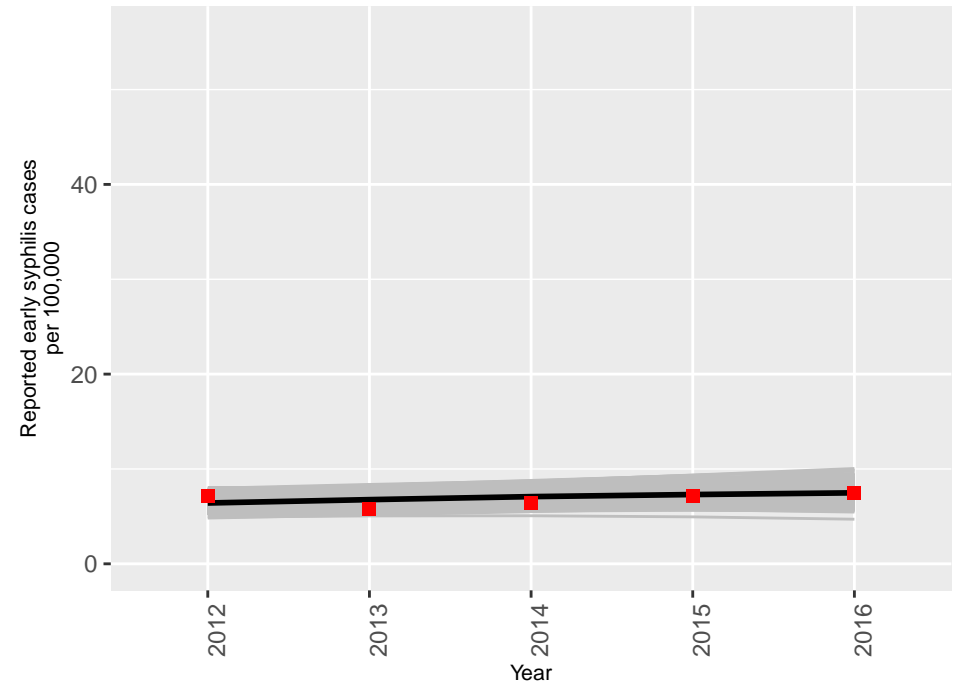
All M 45–64 y



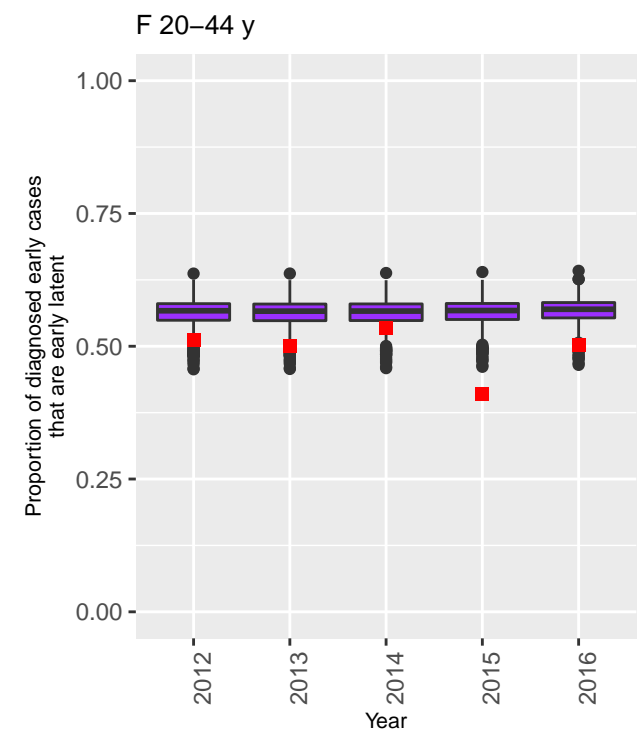
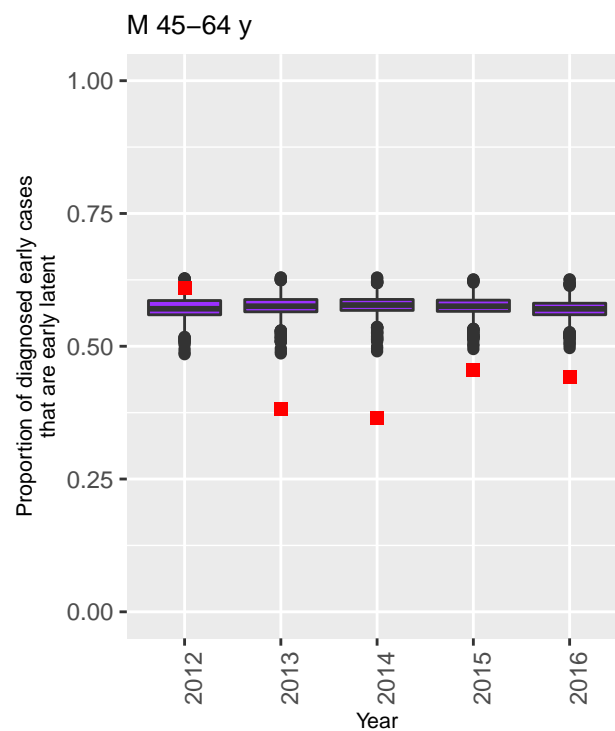
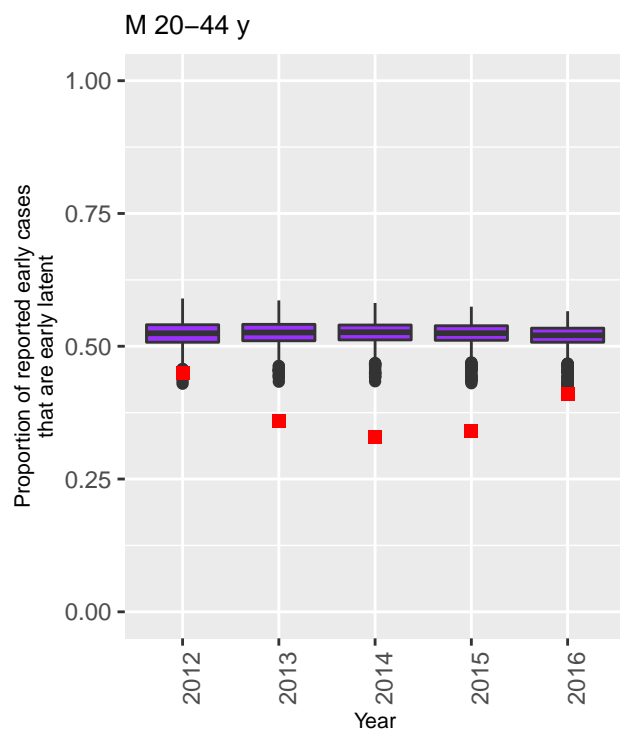
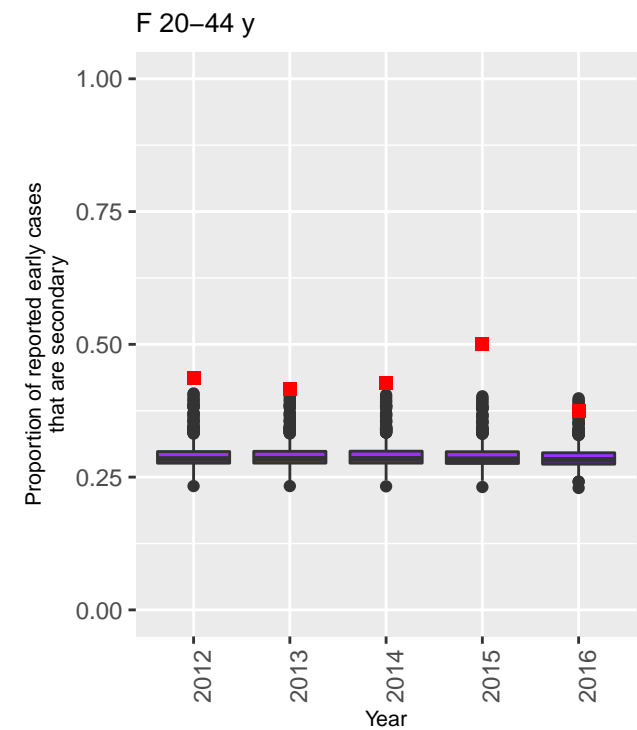
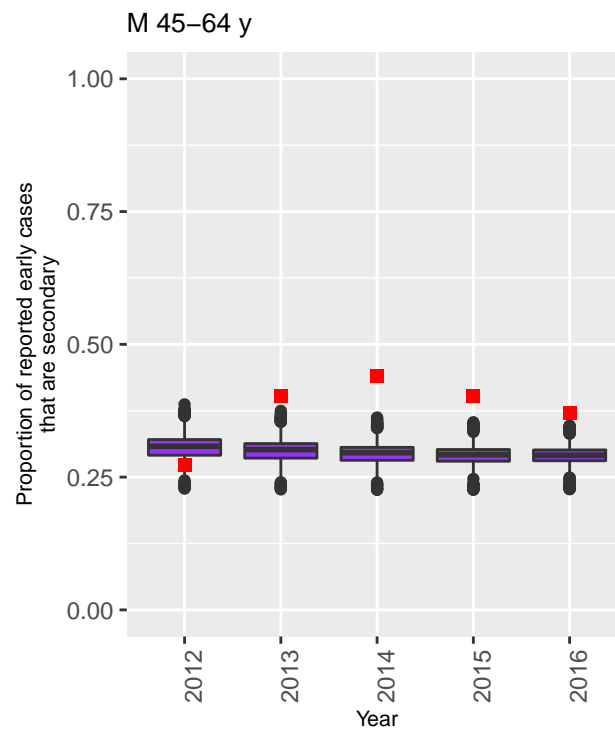
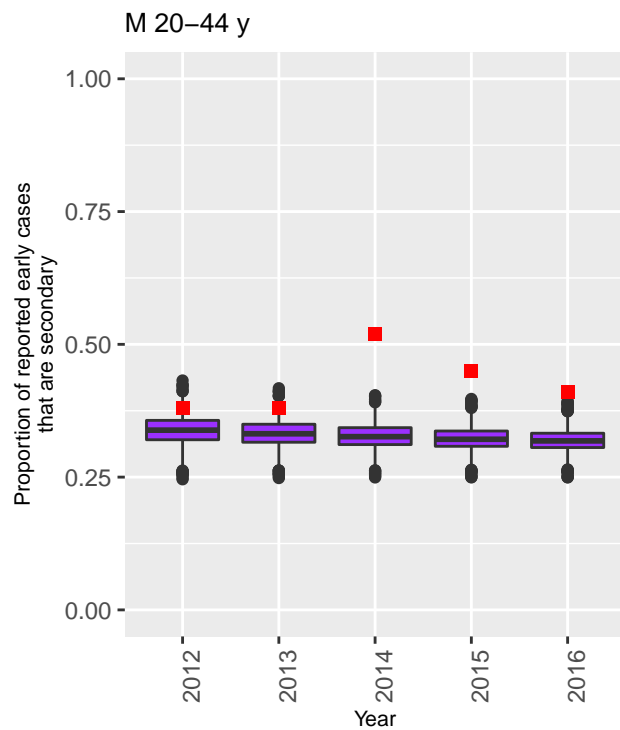
All F 20–44 y



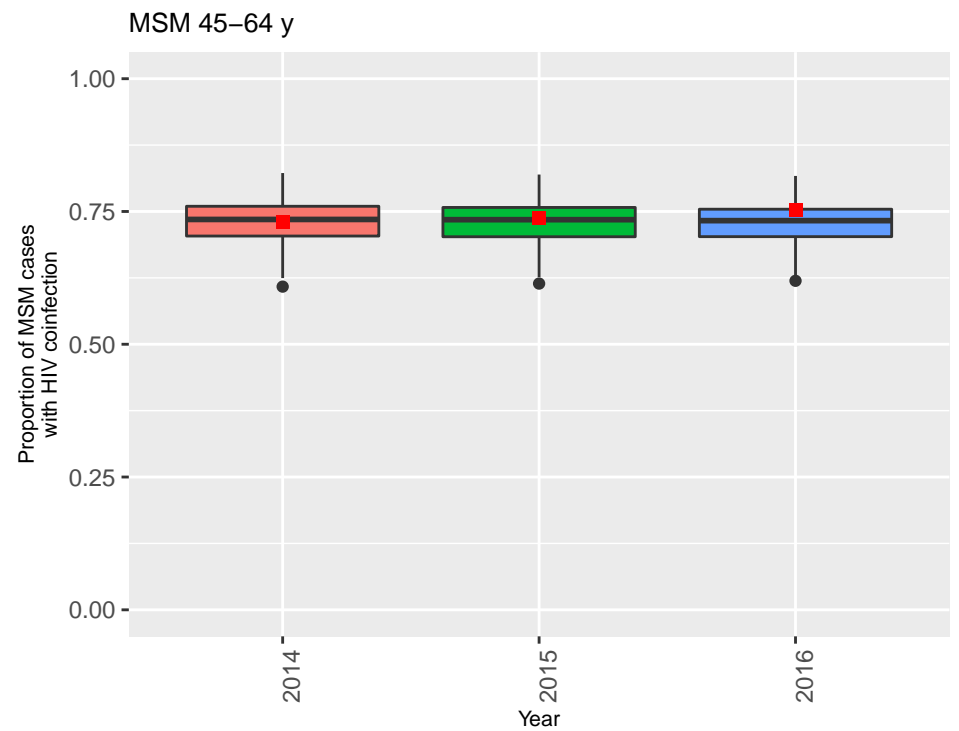
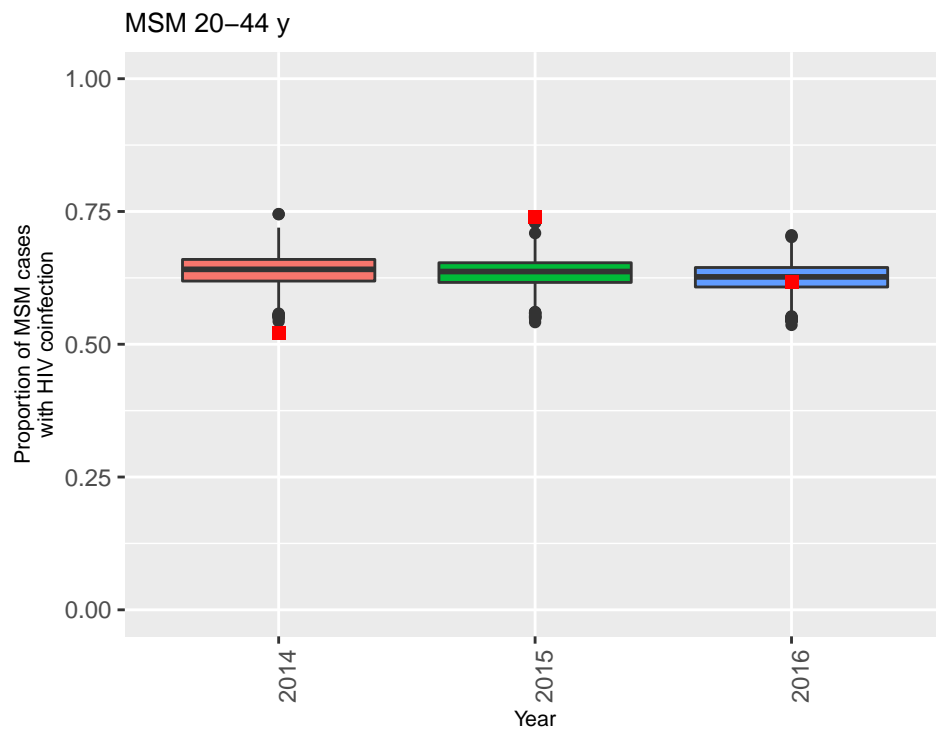
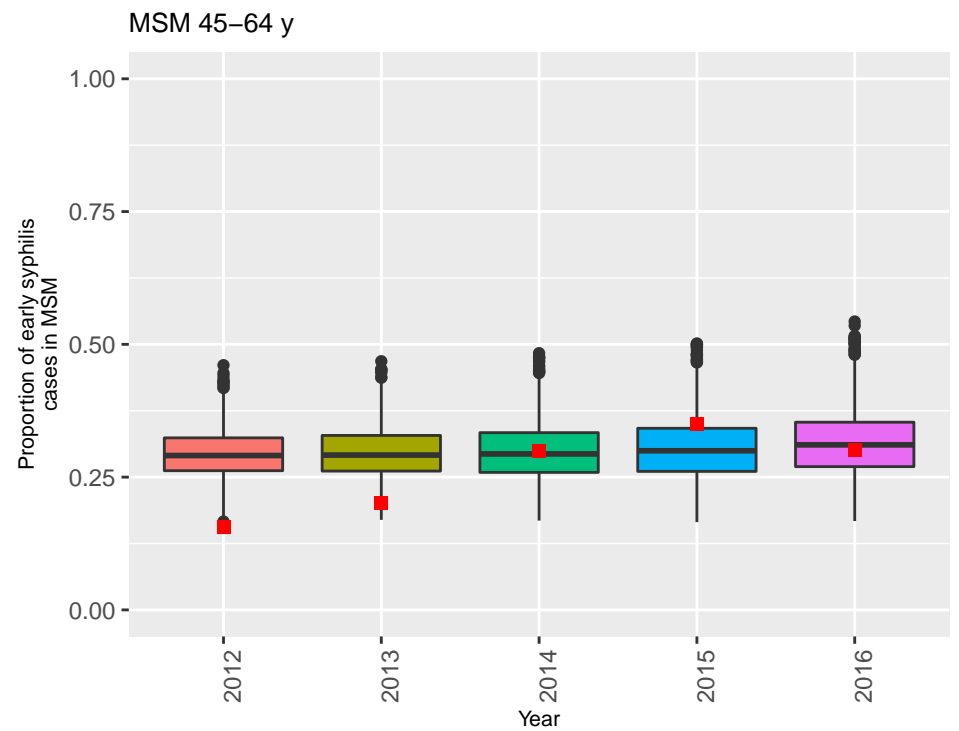
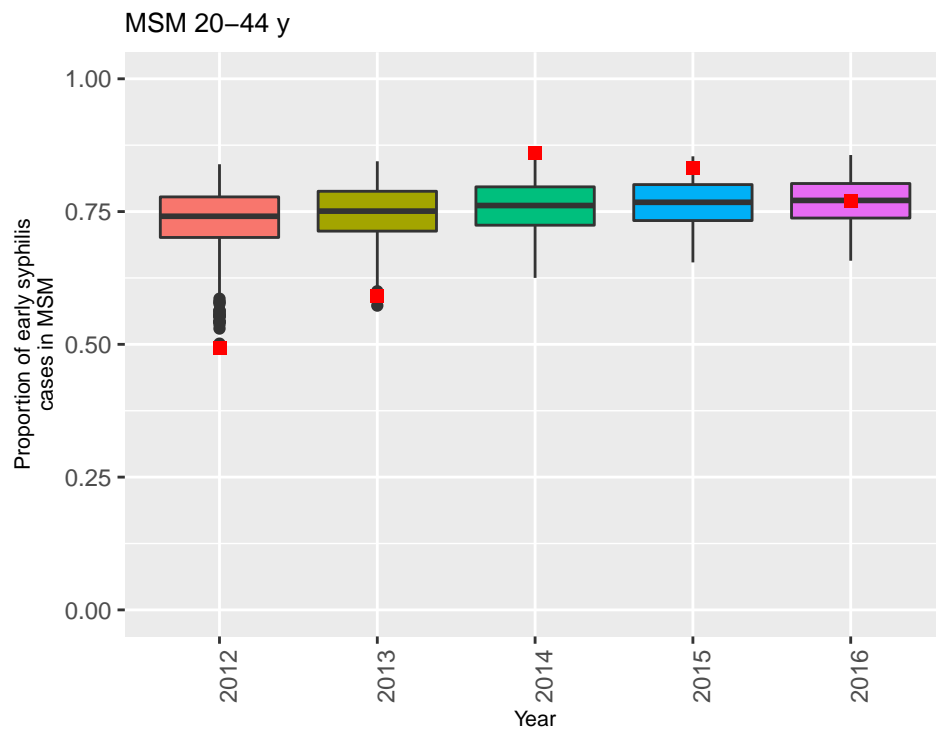
All F 45–64 y



Calibration targets

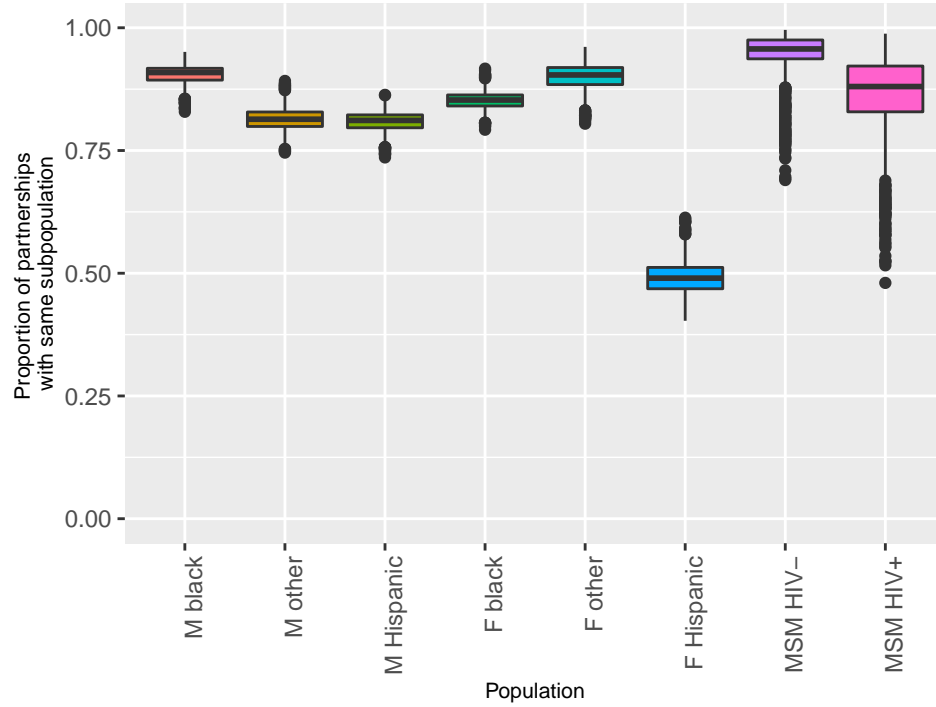


Calibration targets

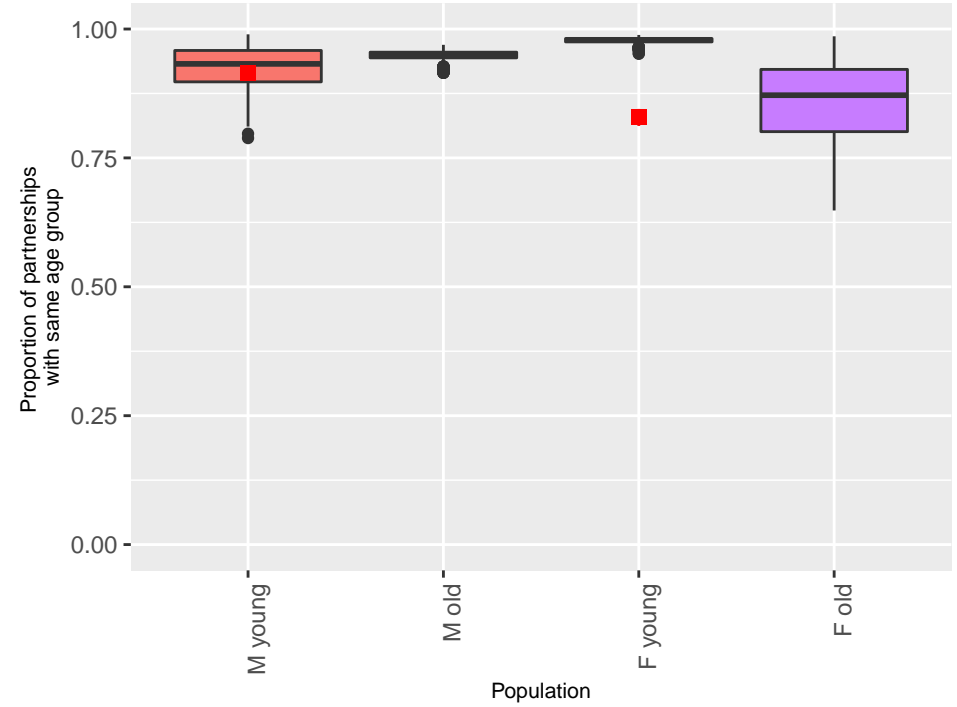


Calibration targets

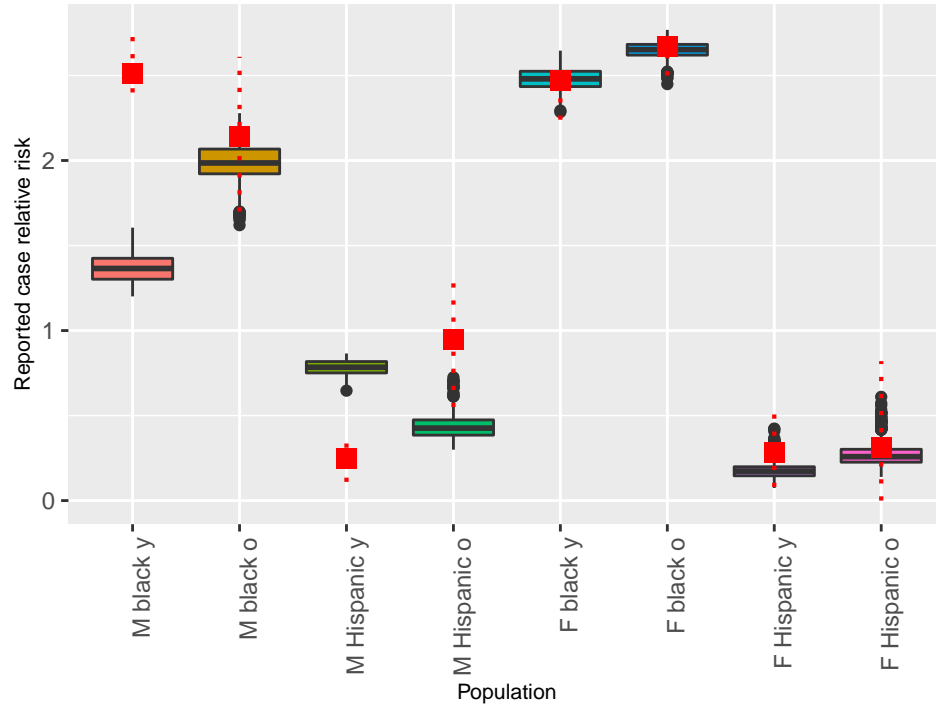
### Subpopulation assortative mixing



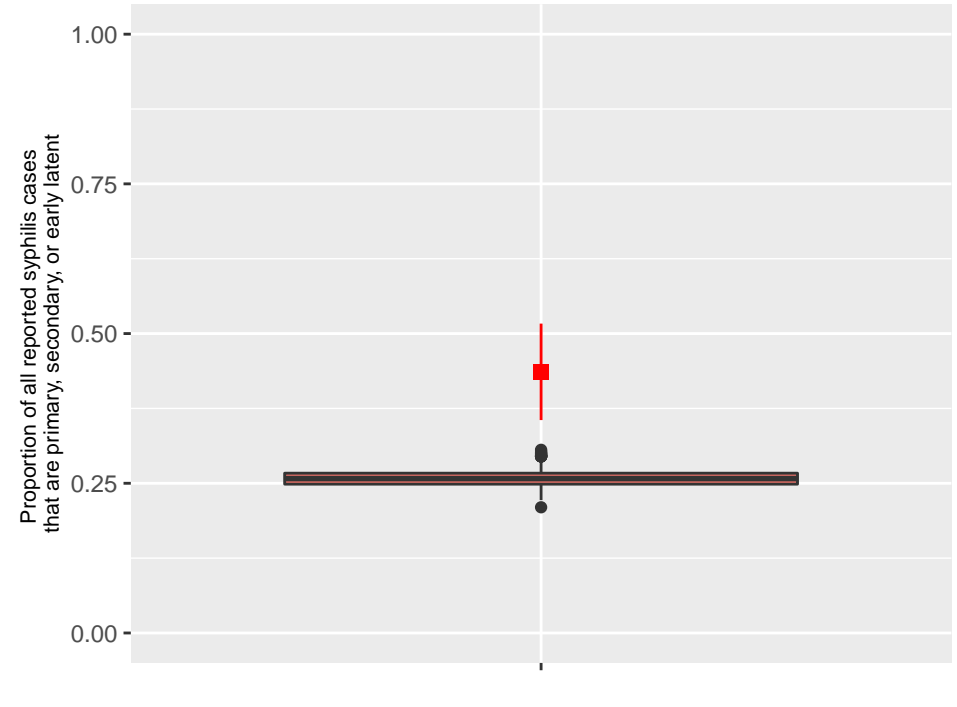
### Age assortative mixing

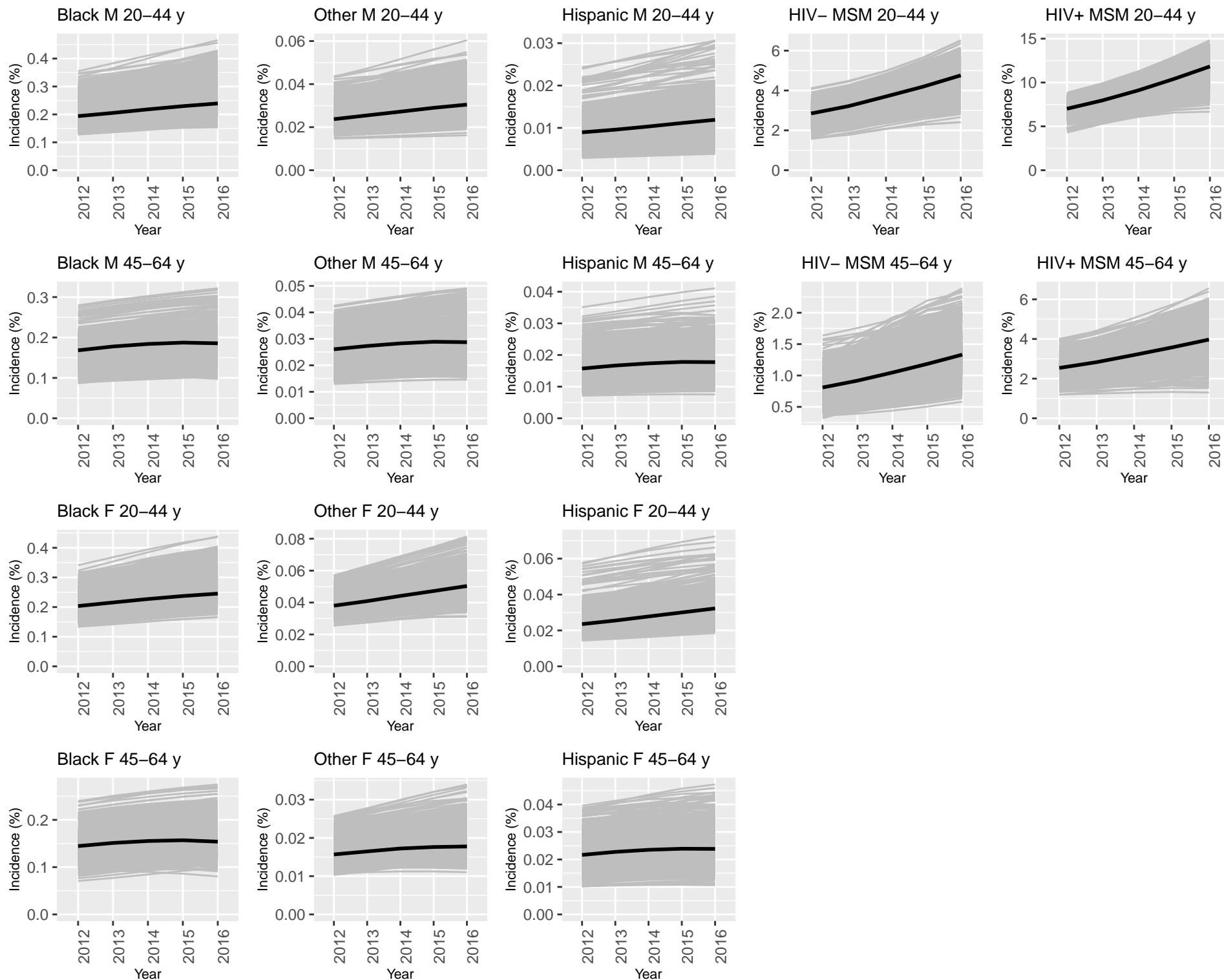


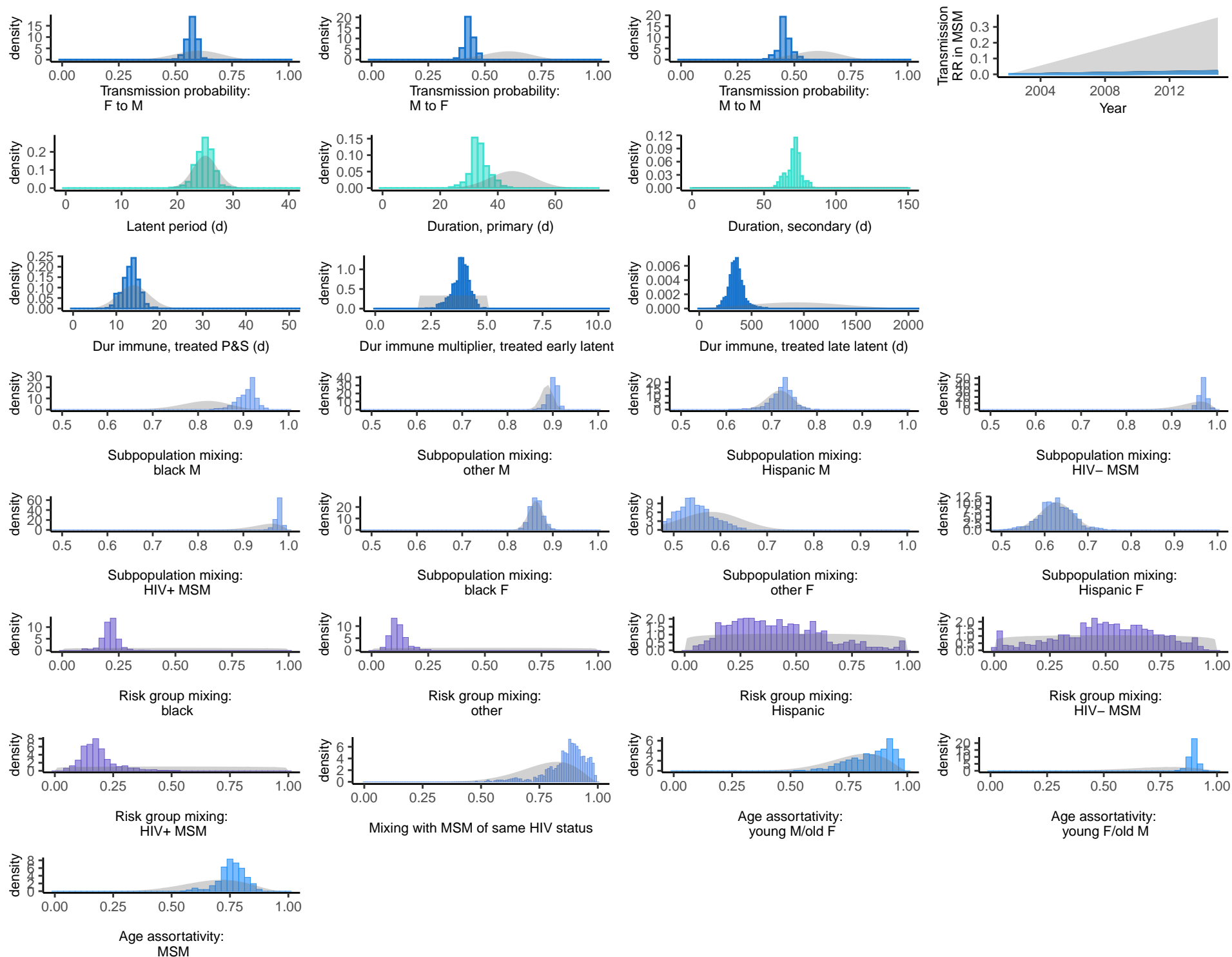
### Relative diagnosis rates in subpopulations



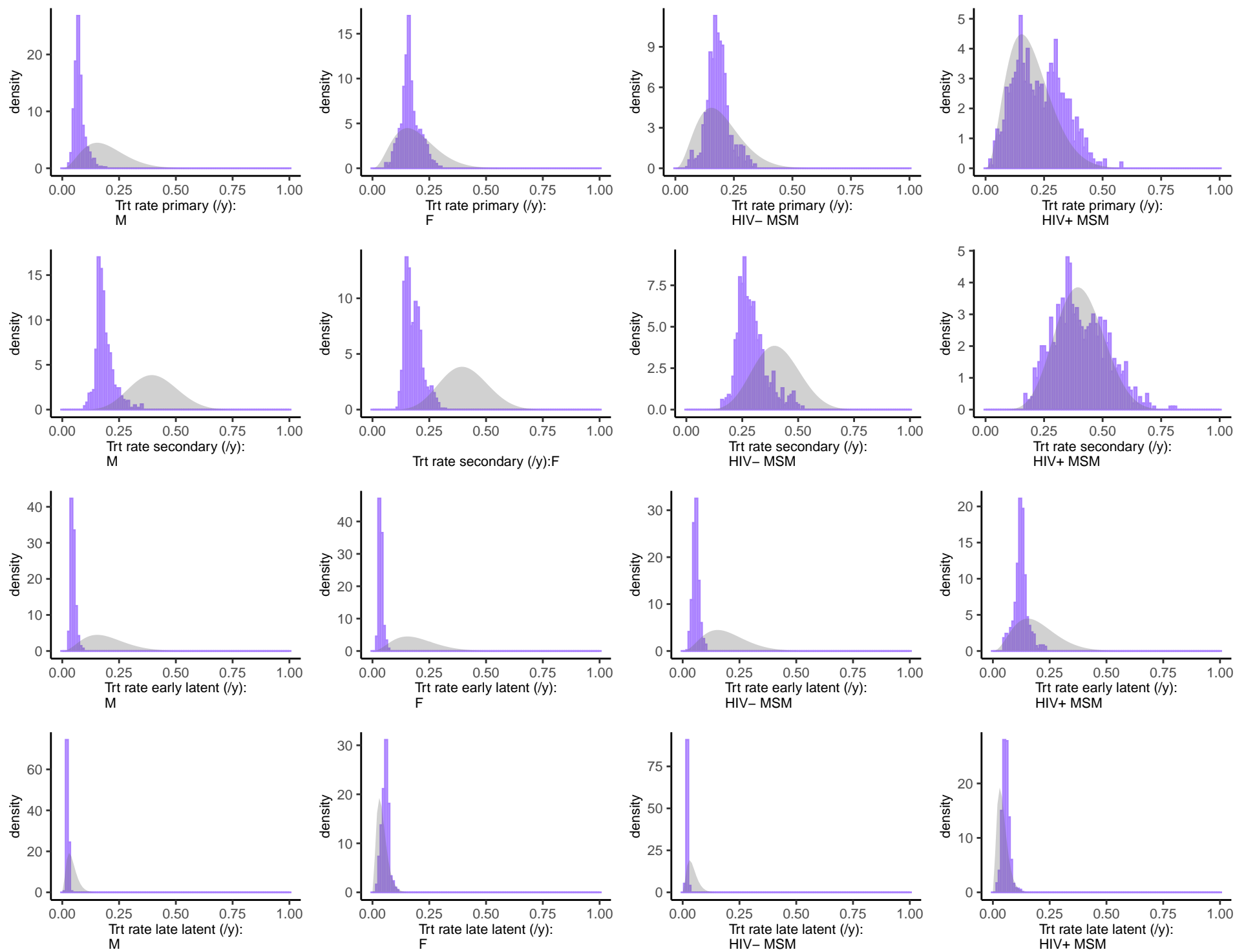
### Proportion early syphilis cases



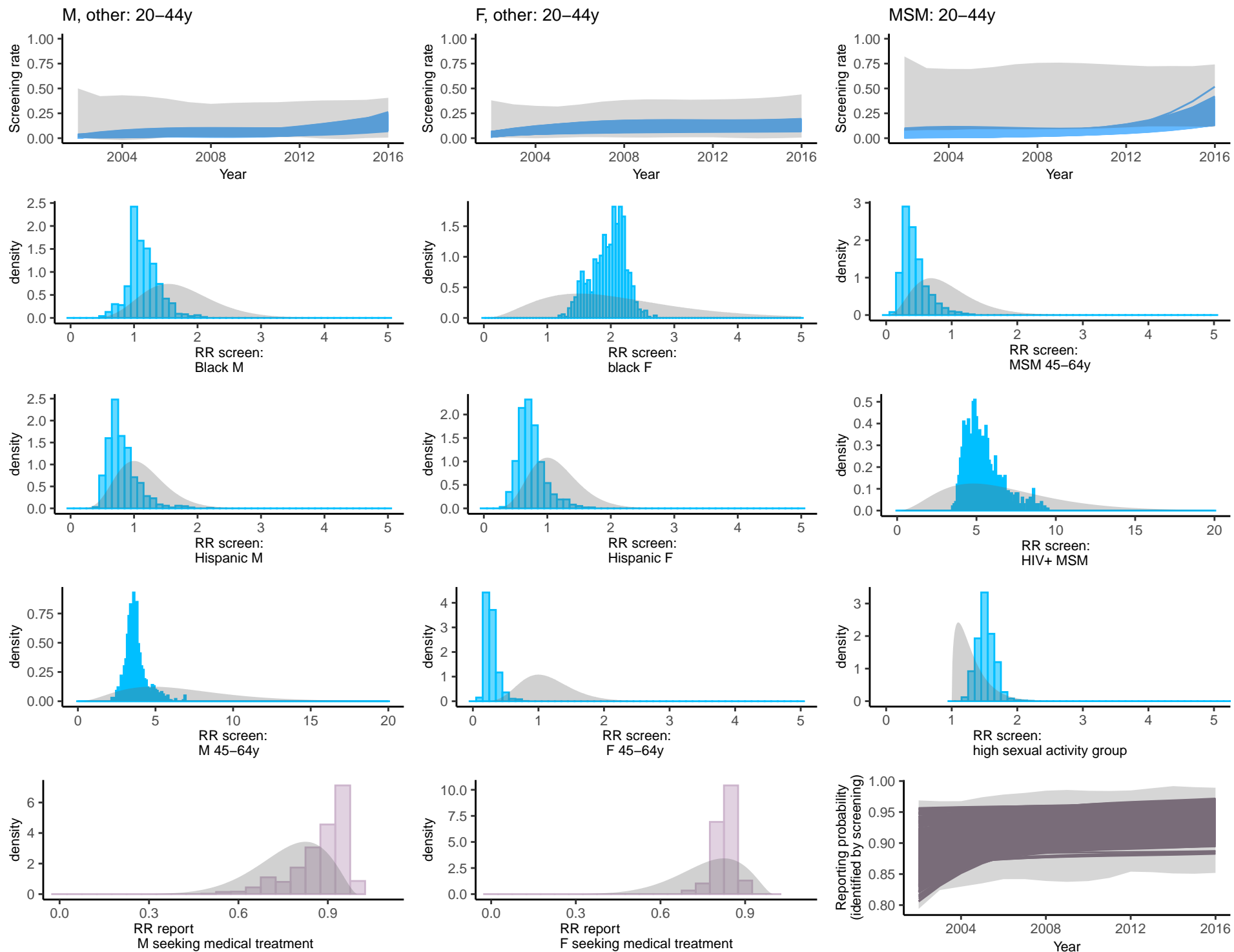




Priors/posteriors (1/4)

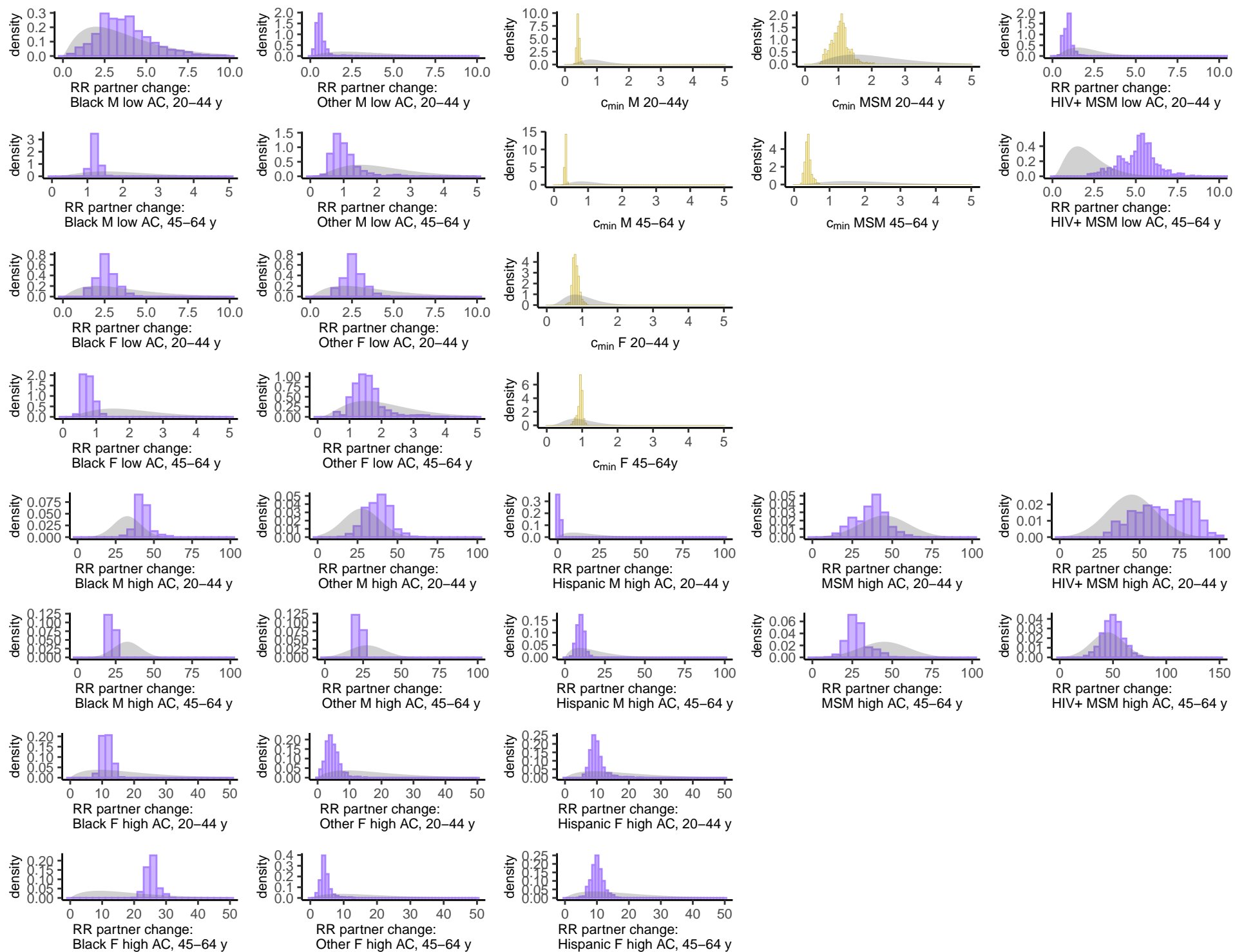


Priors/posteriors (2/4)



Priors/posteriors (3/4)





Priors/posteriors (4/4)