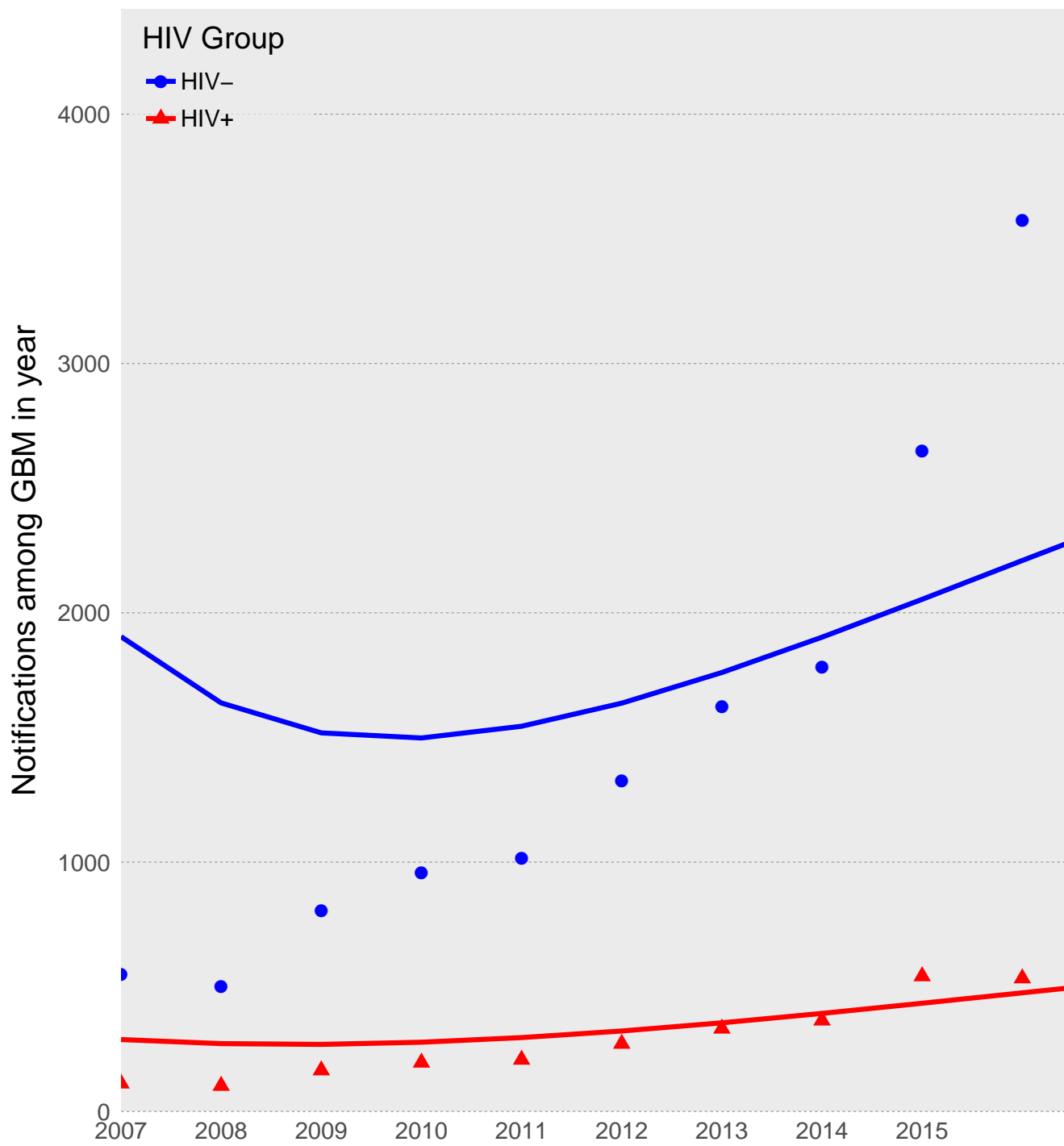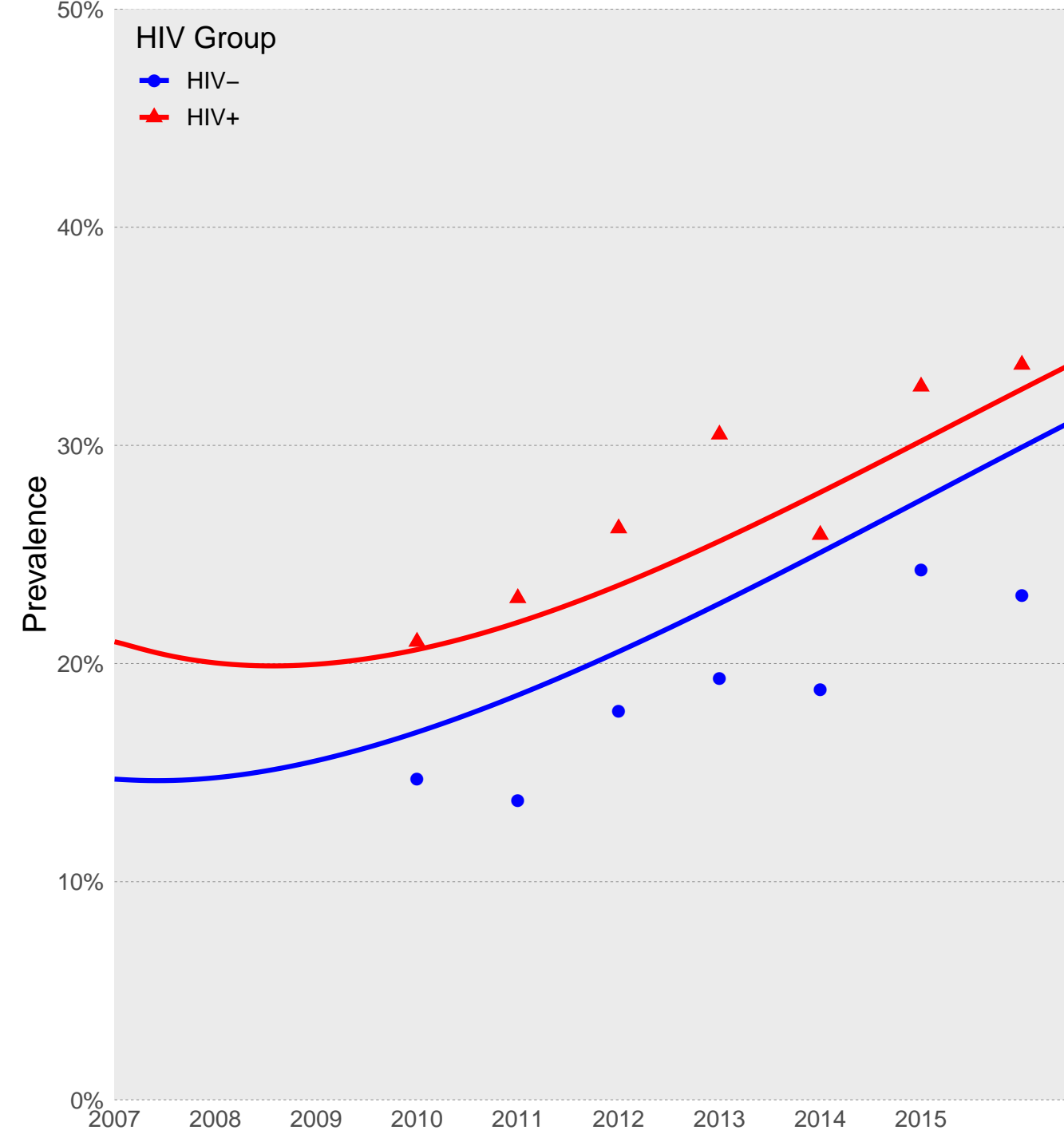**Gonorrhoea notifications among Victorian GBM by HIV status**
Data versus model
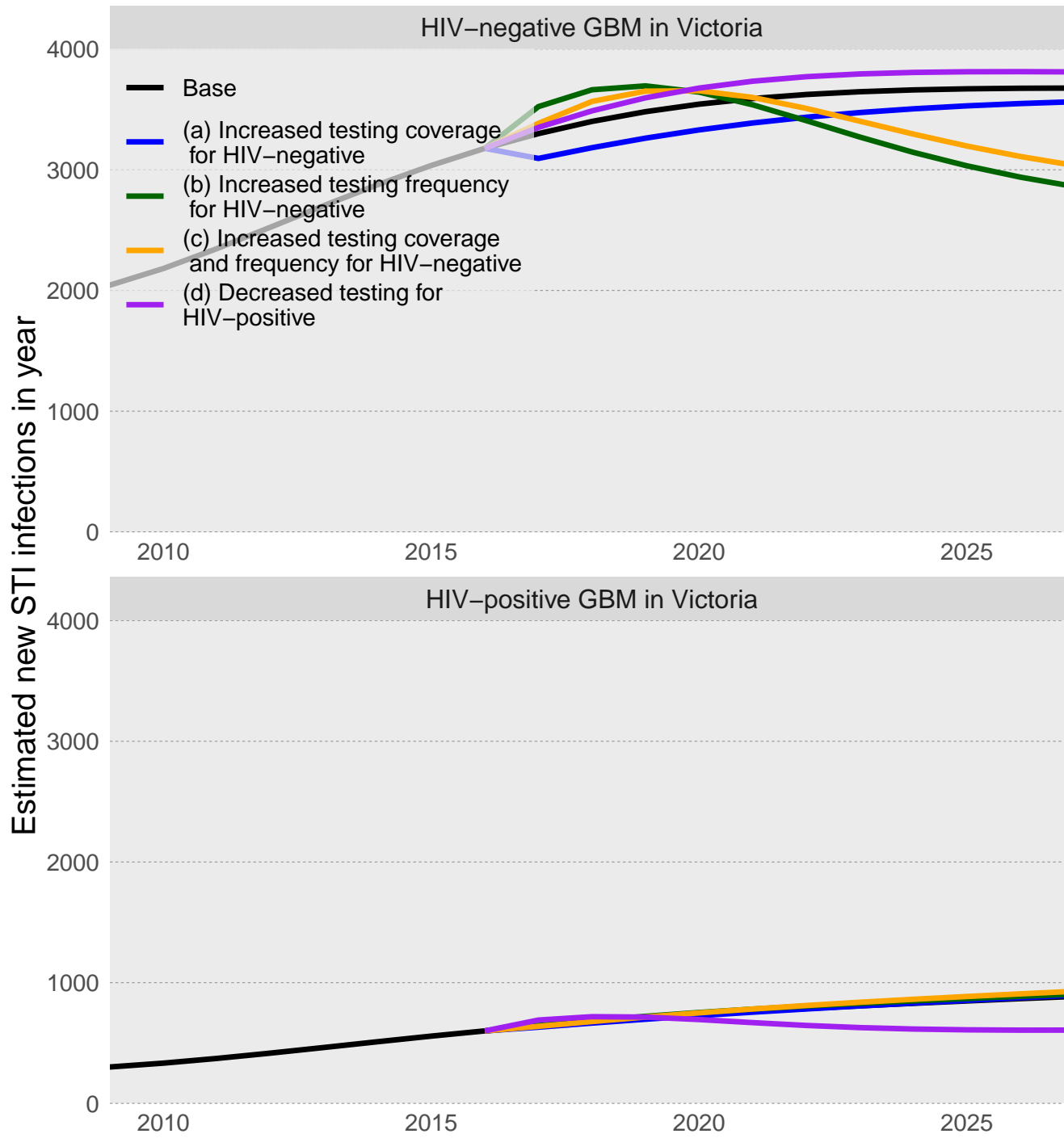
Gonorrhoea prevalence among Victorian GBM by HIV status
Data versus model
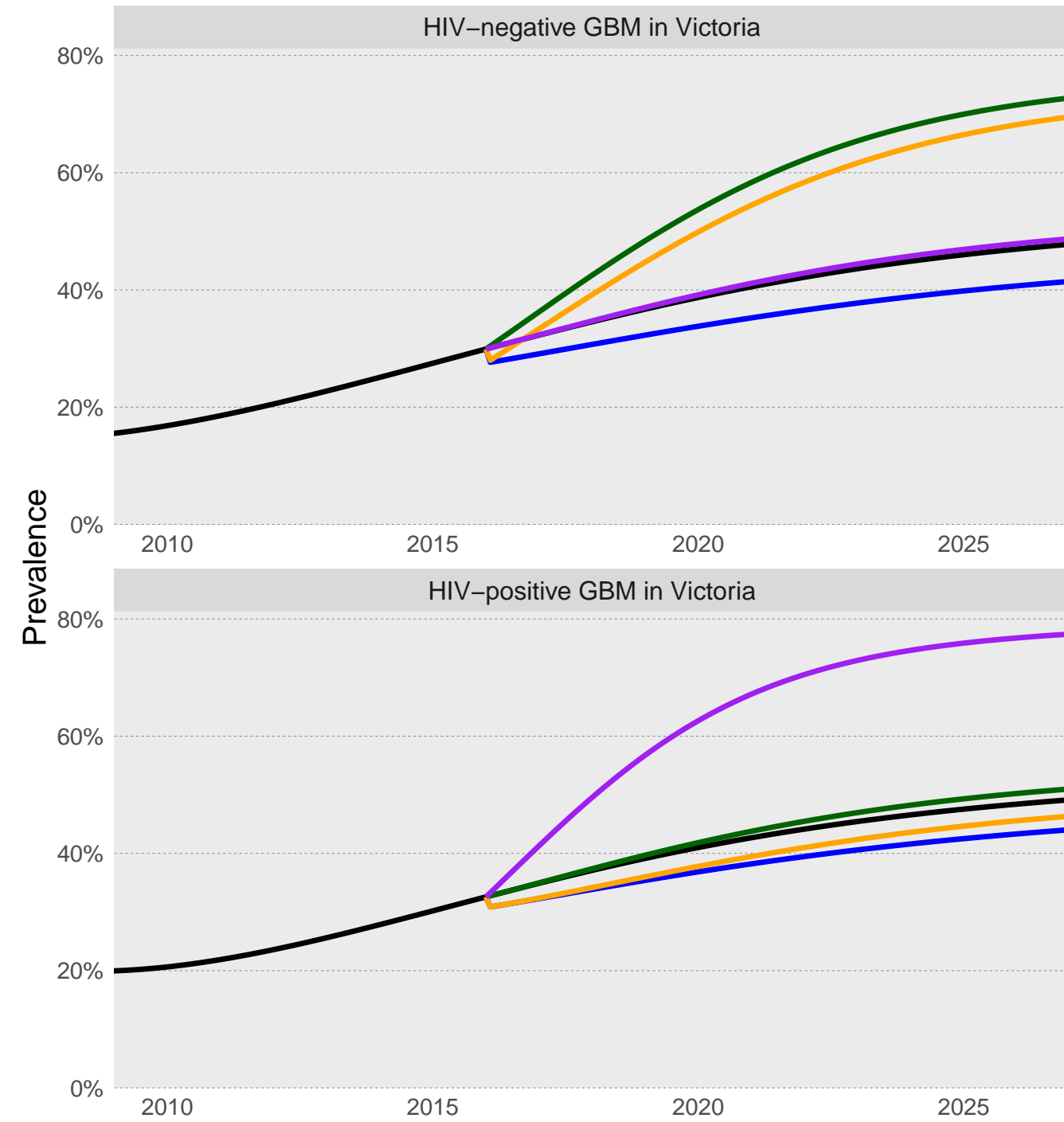
Figure 3

Scenarios a–d

HIV–negative GBM in Victoria

- Base
- (a) Increased testing coverage for HIV–negative
- (b) Increased testing frequency for HIV–negative
- (c) Increased testing coverage and frequency for HIV–negative
- (d) Decreased testing for HIV–positive

HIV–positive GBM in Victoria

Estimated new STI infections in year

Scenarios a–d

HIV–negative GBM in Victoria

HIV–positive GBM in Victoria

Prevalence

Figure 4

Estimated STI incidence among Victorian GBM by HIV status
PrEP scenario

HIV−   Base (no PrEP)
HIV+   PrEP (scenario h)

Estimated new STI infections in year
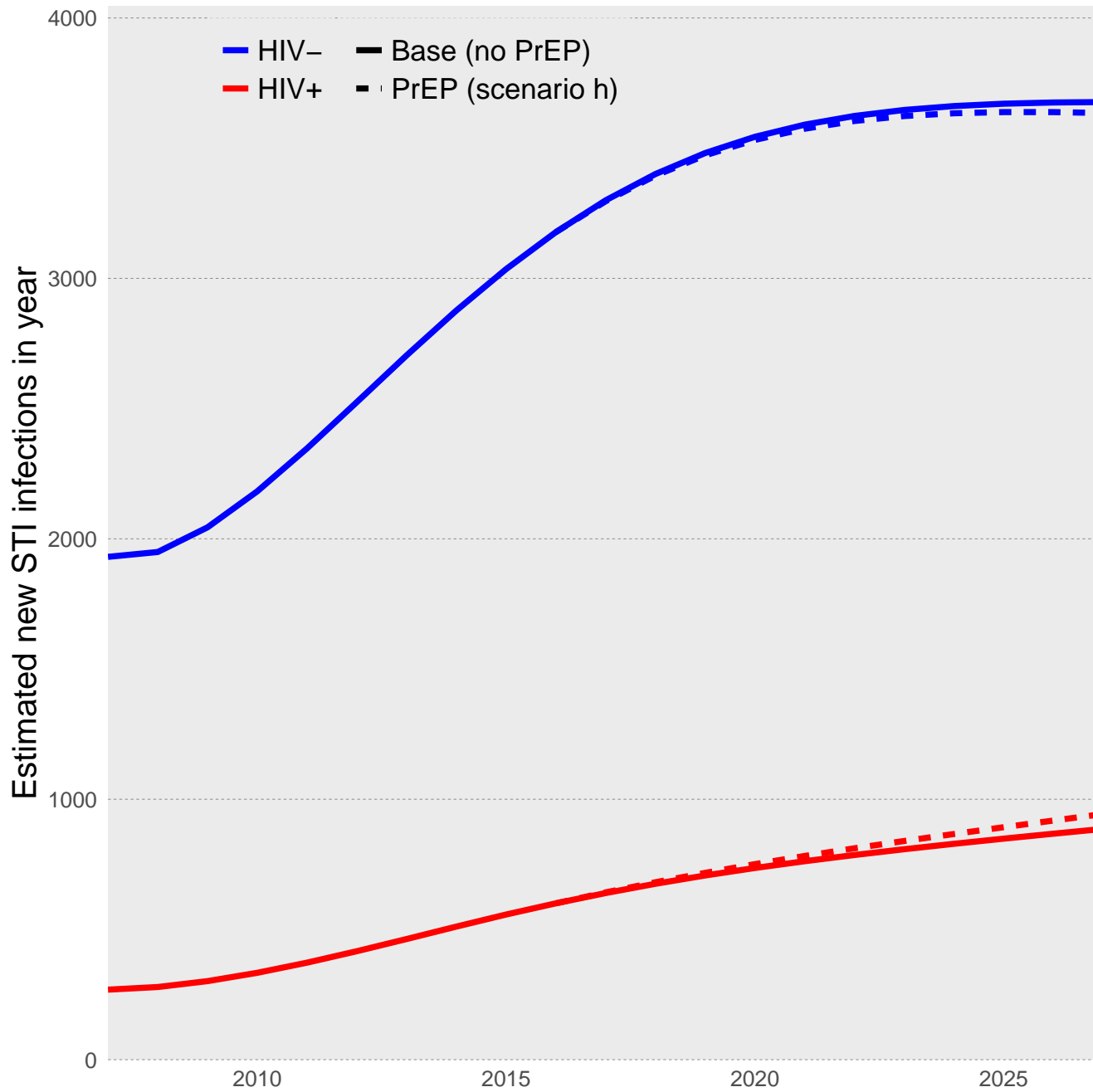
Estimated STI prevalence among Victorian GBM by HIV status
PrEP scenario

HIV−   Base (no PrEP)
HIV+   PrEP (scenario h)

Prevalence
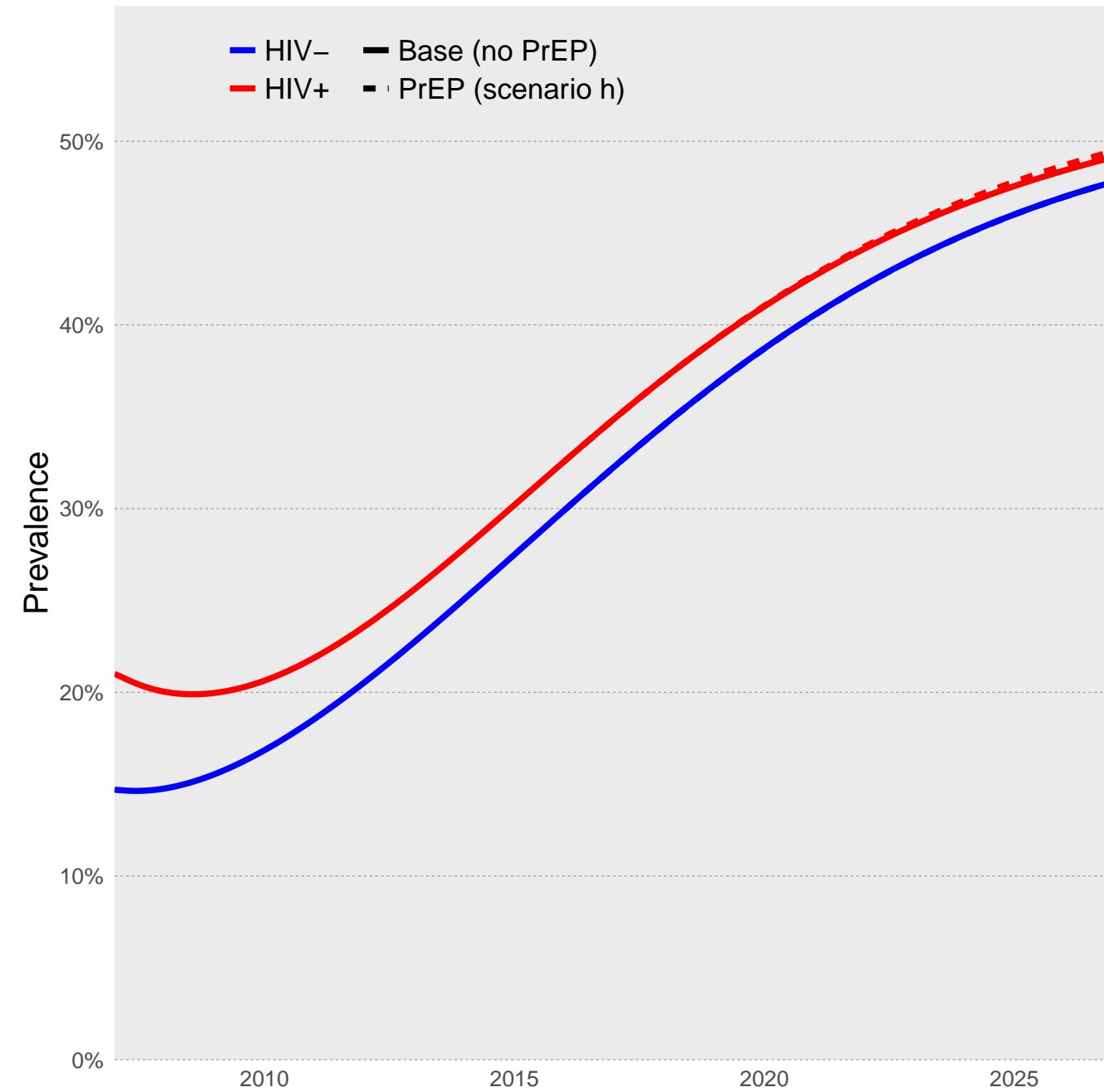
Figure 5

Sensitivity to PrEP coverage

Legend:
- Base (no PrEP)
- PrEP (scenario h)
- PrEP among 10%
- PrEP among 30%
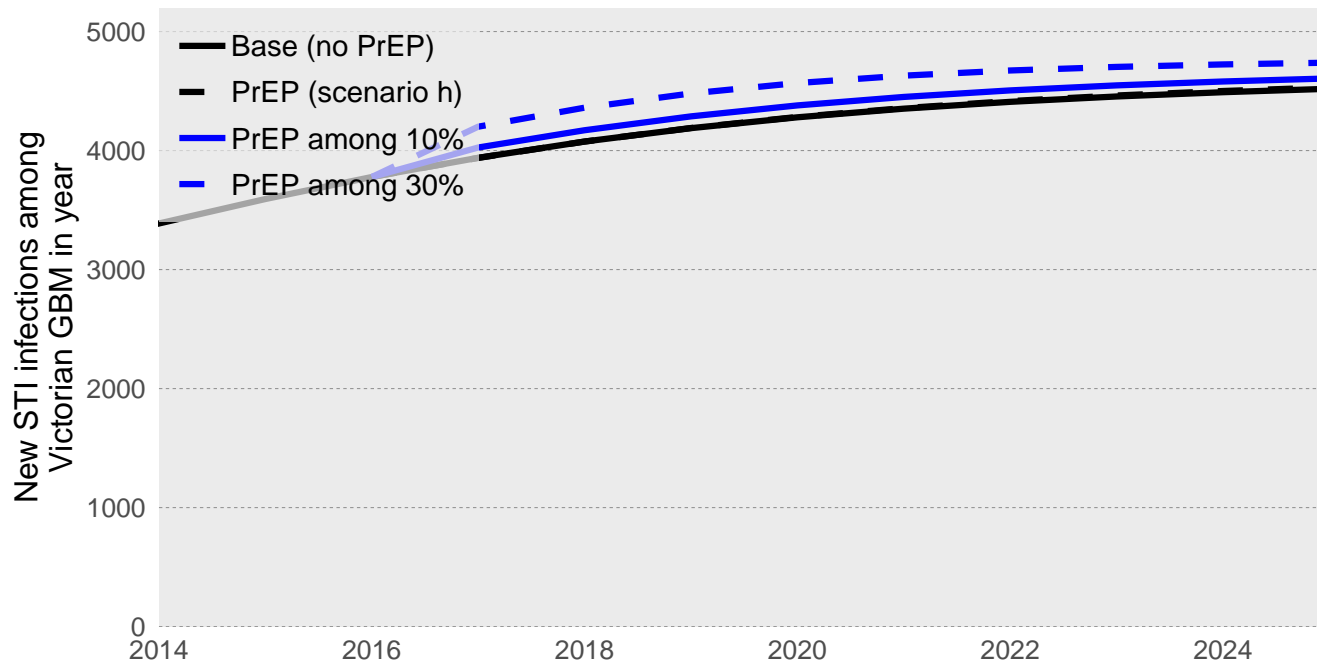
Sensitivity to PrEP condom use

Legend:
- Base (no PrEP)
- PrEP (scenario h)
- Condom use reduced by 25% when on PrEP
- Condom use reduced by 75% when on PrEP
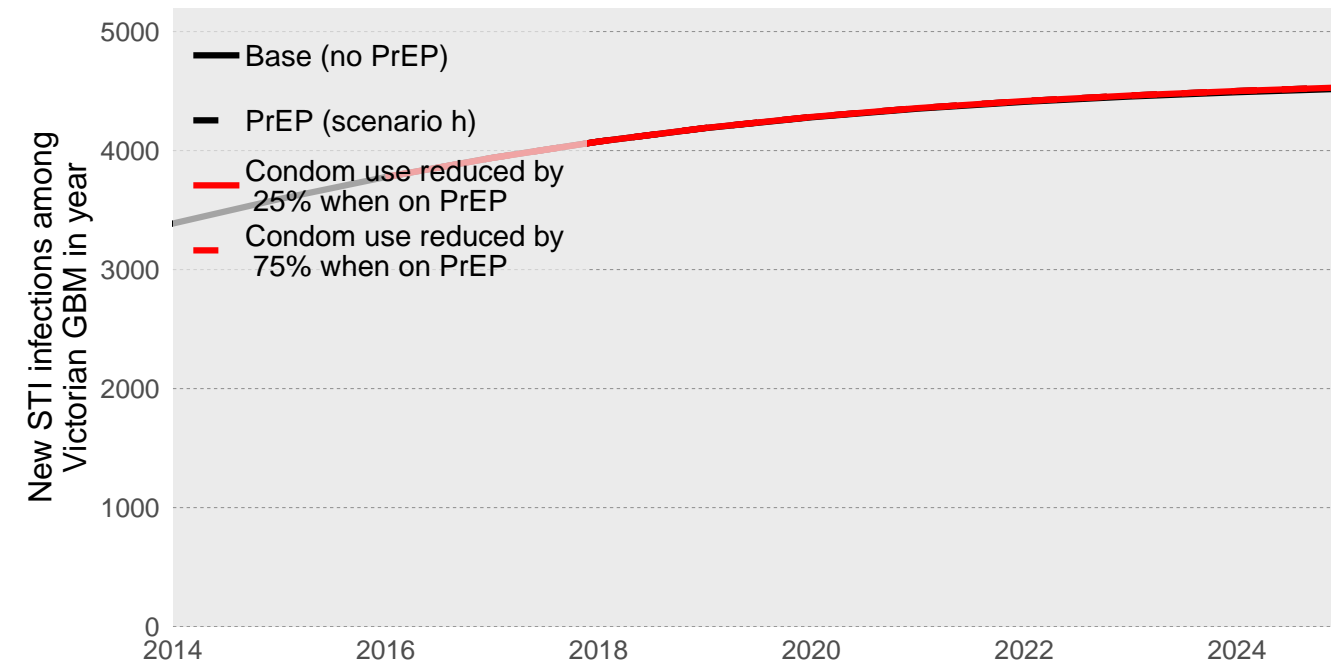
Sensitivity to sero discordant mixing

Legend:
- Base (no PrEP)
- PrEP (scenario h)
- No increase in HIV sero discordant mixing when on PrEP
- Increase to 15% sero discordant mixing when on PrEP
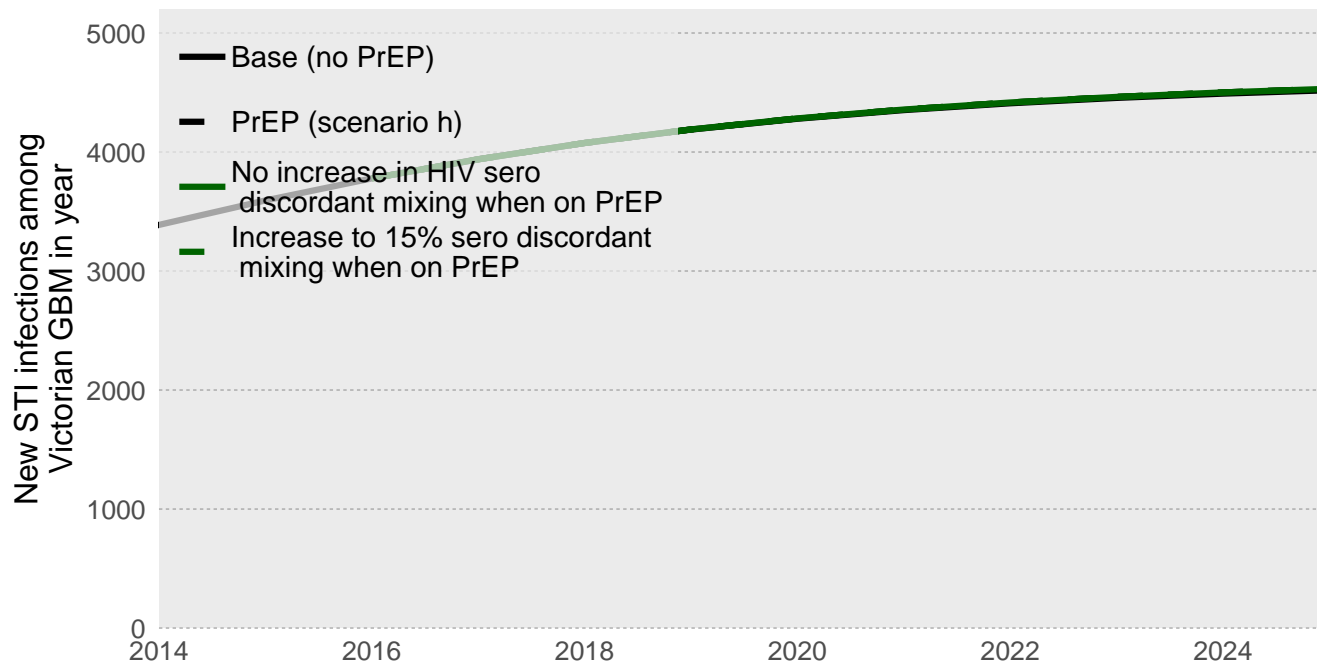
Sensitivity to testing when on PrEP

Legend:
- Base (no PrEP)
- PrEP (scenario h)
- No increase in testing when on PrEP

Y-axis (all panels): New STI infections among Victorian GBM in year

X-axis (all panels): 2014, 2016, 2018, 2020, 2022, 2024