**Figure S4: Projected Incidence and Reported Diagnoses Under Two Scenarios Representing the Potential Effects of the COVID-19 Pandemic**

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| **Prolonged Barriers to Care Scenario** | **Rapid Resumption of Care Scenario** |
| a. Across All 32 MSAs C:\Users\Todd Fojo\CloudStation\Projects\Ending HIV\Manuscripts\covid_manuscript\CID submission\CID Revision\images\inc_vs_reported\delayed total with legend.png | b. Across All 32 MSAs  C:\Users\Todd Fojo\CloudStation\Projects\Ending HIV\Manuscripts\covid_manuscript\CID submission\CID Revision\images\inc_vs_reported\rapid total with legend.png |
| c. San Diego-Chula Vista-Carlsbad, CA C:\Users\Todd Fojo\CloudStation\Projects\Ending HIV\Manuscripts\covid_manuscript\CID submission\CID Revision\images\inc_vs_reported\incvnew_delayed_sd.png | d. San Diego-Chula Vista-Carlsbad, CA  C:\Users\Todd Fojo\CloudStation\Projects\Ending HIV\Manuscripts\covid_manuscript\CID submission\CID Revision\images\inc_vs_reported\incvnew_rapid_sd.png |
| e. Boston-Cambridge-Newton, MA-NH  C:\Users\Todd Fojo\CloudStation\Projects\Ending HIV\Manuscripts\covid_manuscript\CID submission\CID Revision\images\inc_vs_reported\incvnew_delayed_boston.png | f. Boston-Cambridge-Newton, MA-NH  C:\Users\Todd Fojo\CloudStation\Projects\Ending HIV\Manuscripts\covid_manuscript\CID submission\CID Revision\images\inc_vs_reported\incvnew_rapid_boston.png |
| g. Chicago-Naperville-Elgin, IL-IN-WI  C:\Users\Todd Fojo\CloudStation\Projects\Ending HIV\Manuscripts\covid_manuscript\CID submission\CID Revision\images\inc_vs_reported\incvnew_delayed_chicago.png | h. Chicago-Naperville-Elgin, IL-IN-WI  C:\Users\Todd Fojo\CloudStation\Projects\Ending HIV\Manuscripts\covid_manuscript\CID submission\CID Revision\images\inc_vs_reported\incvnew_rapid_chicago.png |

Solid lines denote the mean projected incidence across 1,000 simulations, whereas dashed lines denote the mean projected reported diagnoses. The shaded ribbons indicate the 95% credible interval. Blue lines in panels a, c, e, and g illustrate projections from the Prolonged Barriers to Care scenario (sexual transmission normalized by July 4, 2021; HIV testing, viral suppression, and PrEP use do not normalize until Feb 4, 2022); orange lines in panels b, d, f, and g illustrate the corresponding projections for the Rapid Resumption of Care scenario (sexual transmission, HIV testing, viral suppression, and PrEP use all normalize by July 4, 2021). Black lines in all panels illustrate projections if the COVID-19 pandemic had never occurred.