Model Comparison on a Single Run (Scenario S01) - True Factual  $r_t$  $r_t$  True Counterfactual  $r_t$ 0.023 sCFR Factual sCFR Factual 95% CrI - sCFR Counterfactual sCFR Counterfactual 95% CrI -- ITS Factual Estimate ITS Factual 95% CI 0.022 ITS Counterfactual Estimate ITS Counterfactual 95% CI 0.021 Case Fatality Rate  $(r_t)$ 0.020 0.019 0.018 0.017 50 75 100 125 150 175 200 Time (days)