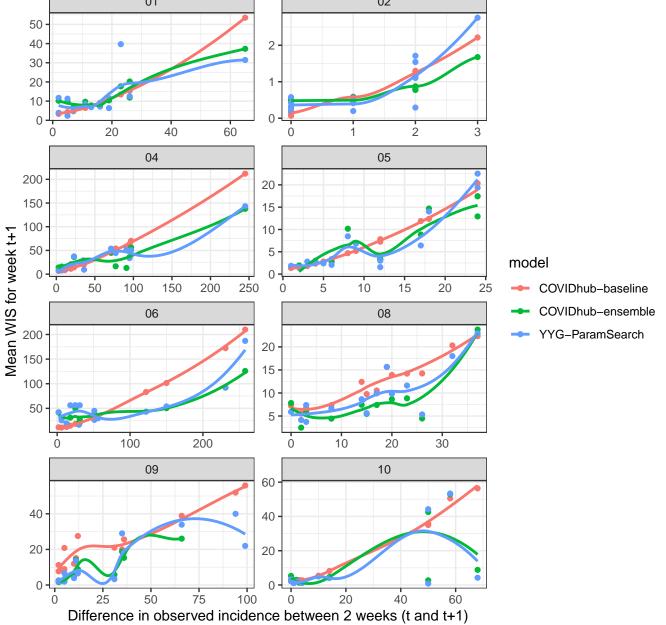
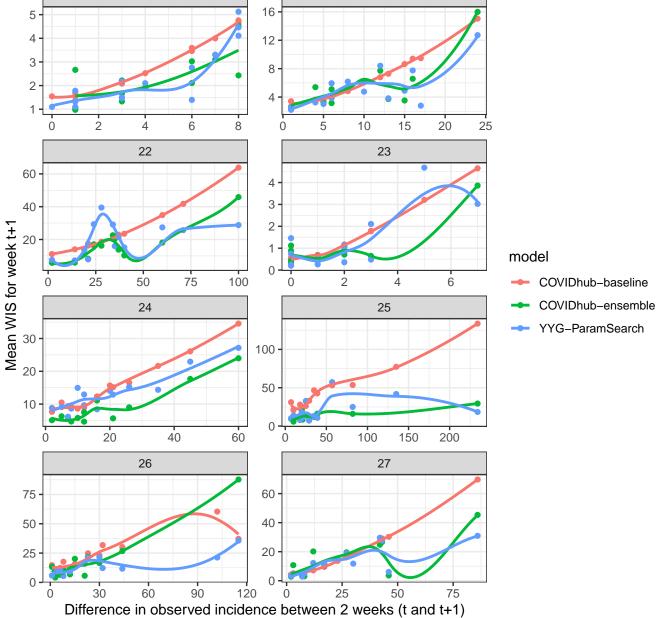
Average WIS by change in weekly observed incidence deaths. 1 week ahead targ



Average WIS by change in weekly observed incidence deaths. 1 week ahead targ 10.0 7.5 5.0 100 -2.5 6 -4 · Mean WIS for week t+1 model COVIDhub-baseline COVIDhub-ensemble YYG-ParamSearch 15 -10 -50 · 5 -20 -15 -30 -Difference in observed incidence between 2 weeks (t and t+1)

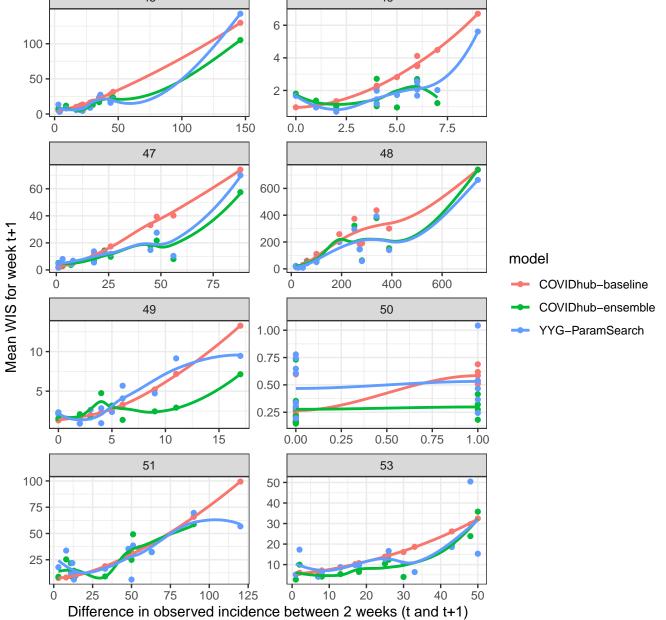
Average WIS by change in weekly observed incidence deaths. 1 week ahead targe 3 -



Average WIS by change in weekly observed incidence deaths. 1 week ahead tar 30 -Mean WIS for week t+1 model COVIDhub-baseline COVIDhub-ensemble 10.0 YYG-ParamSearch 7.5 -5.0 10 -2.5 -3 -Difference in observed incidence between 2 weeks (t and t+1)

Average WIS by change in weekly observed incidence deaths. 1 week ahead targ 36 37 50 40 200 30 100 -20 10 -200 400 20 40 60 38 39 125 8 100 6 -75 -Mean WIS for week t+1 50 25 model 2.5 7.5 10.0 50 100 5.0 150 0.0 COVIDhub-baseline COVIDhub-ensemble 40 41 10.0 YYG-ParamSearch 9 7.5 6 5.0 3 -2.5 10 15 2.5 5.0 7.5 5 0.0 10.0 12.5 42 44 120 75 -90 -50 -60 -25 -30 150 100 50 100 200 50 150 Difference in observed incidence between 2 weeks (t and t+1)

Average WIS by change in weekly observed incidence deaths. 1 week ahead targ



Average WIS by change in weekly observed incidence deaths. 1 week ahead target 54 55 25 15 **-**20 -10 -15 10 -5 -5 15 10 20 10 20 56 60 0.050 0.025 0.000 Mean WIS for week t+1 2 --0.025 model -0.050 -0.050 0.025 0.000 2 -0.0250.050 4 COVIDhub-baseline COVIDhub-ensemble 66 69 YYG-ParamSearch 10 -5 -1 0.000 -0.050-0.025 0.025 0.050 2 72 78 20 -3 15 -2 · 10 -1 5 25 10 15 20 Difference in observed incidence between 2 weeks (t and t+1)

Average WIS by change in weekly observed incidence deaths. 1 week ahead tar Mean WIS for week t+1 US 000 500

1000

500

1500

