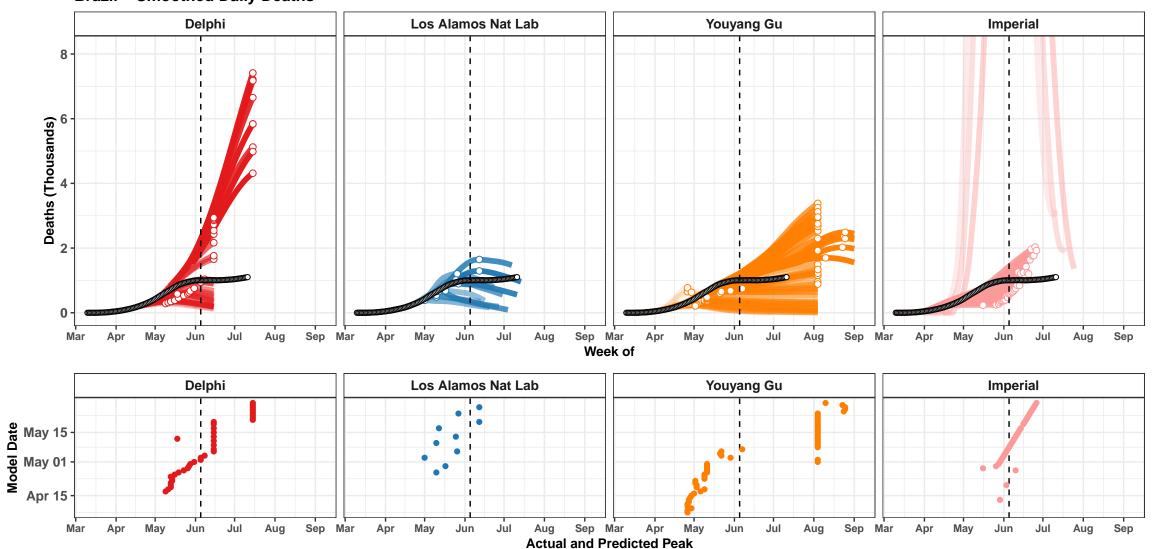
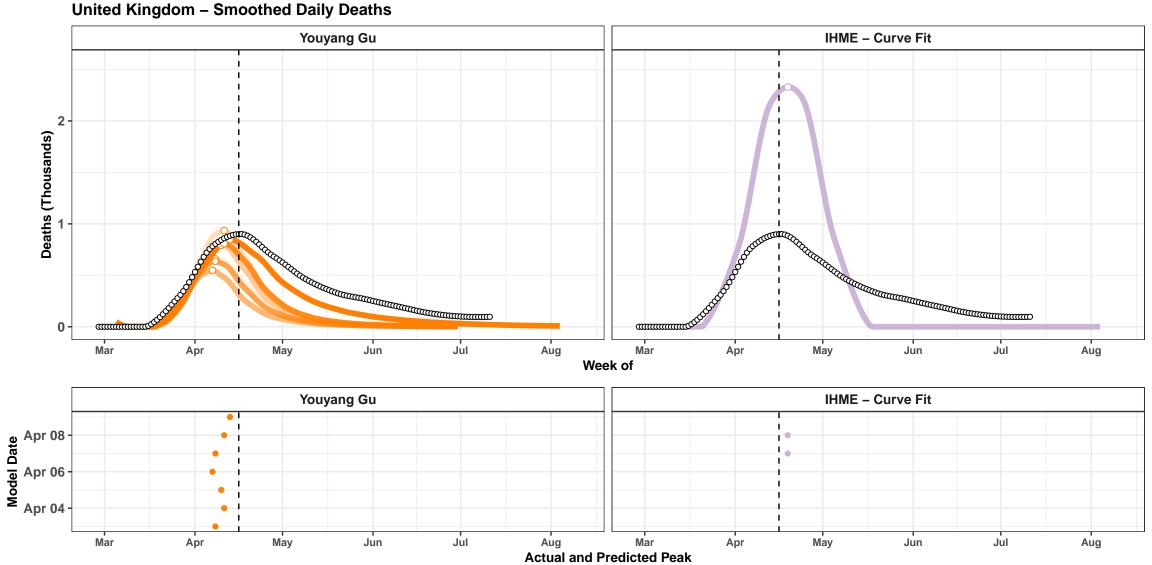
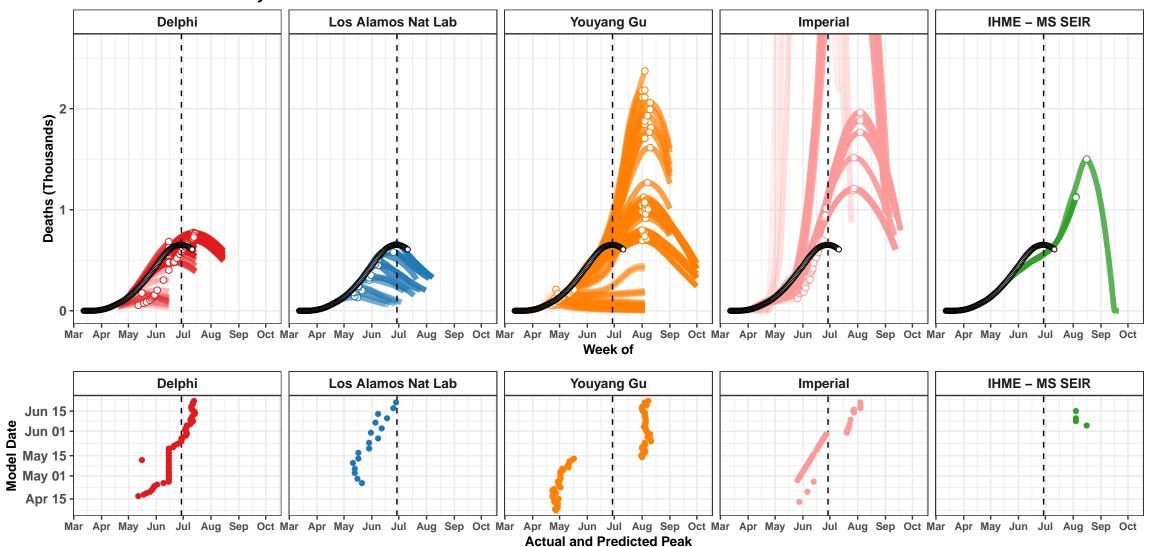


Brazil – Smoothed Daily Deaths

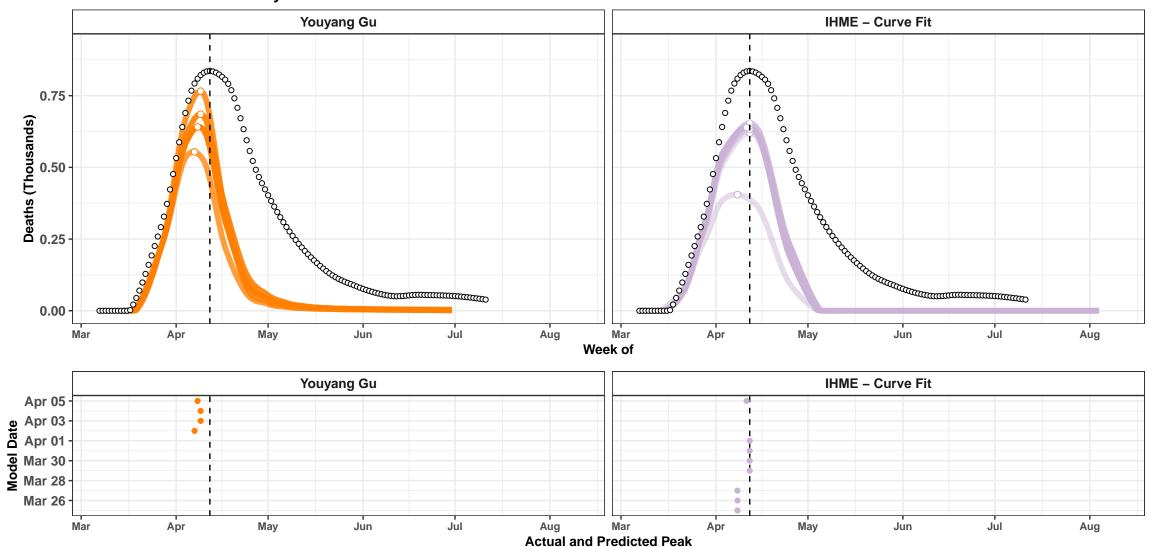




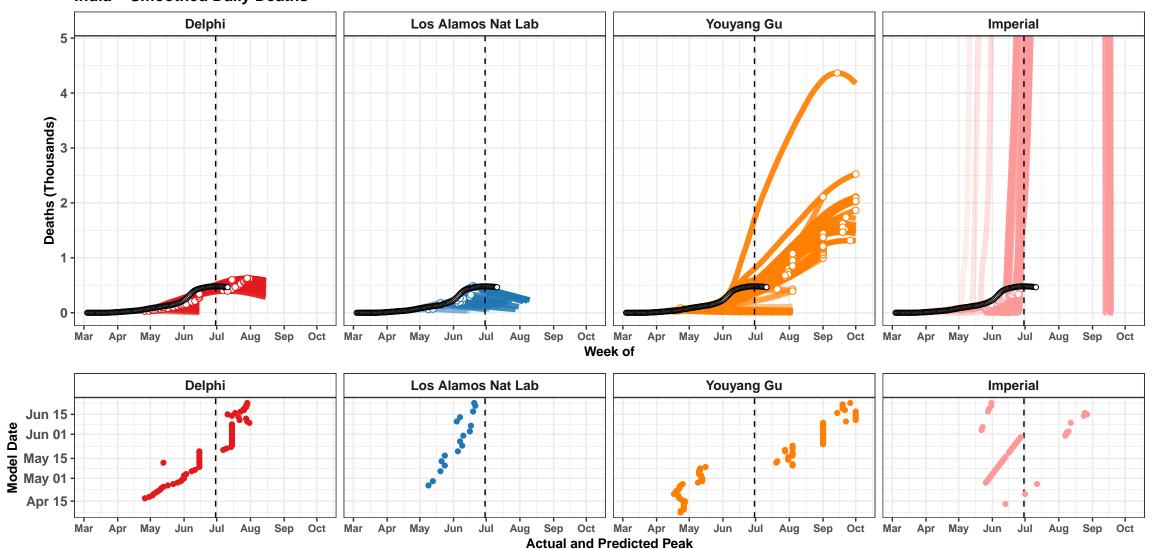
Mexico - Smoothed Daily Deaths



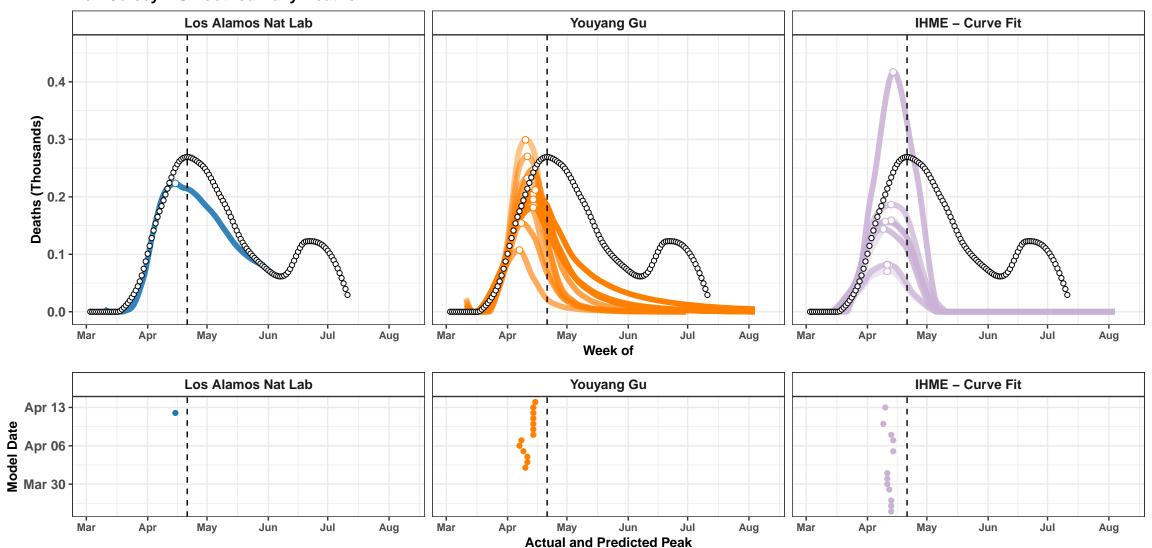
New York - Smoothed Daily Deaths



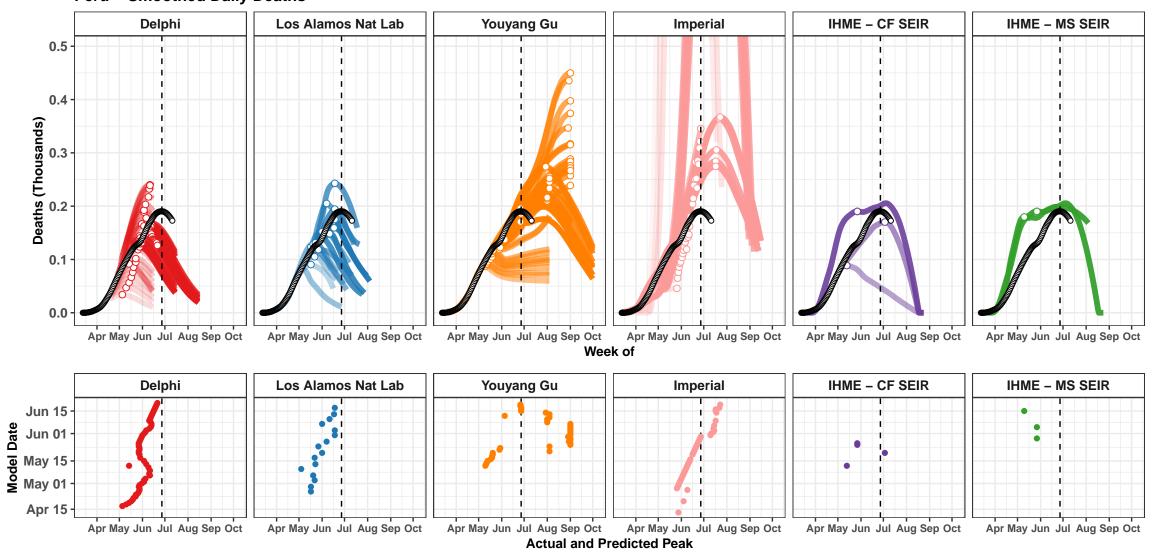
India – Smoothed Daily Deaths



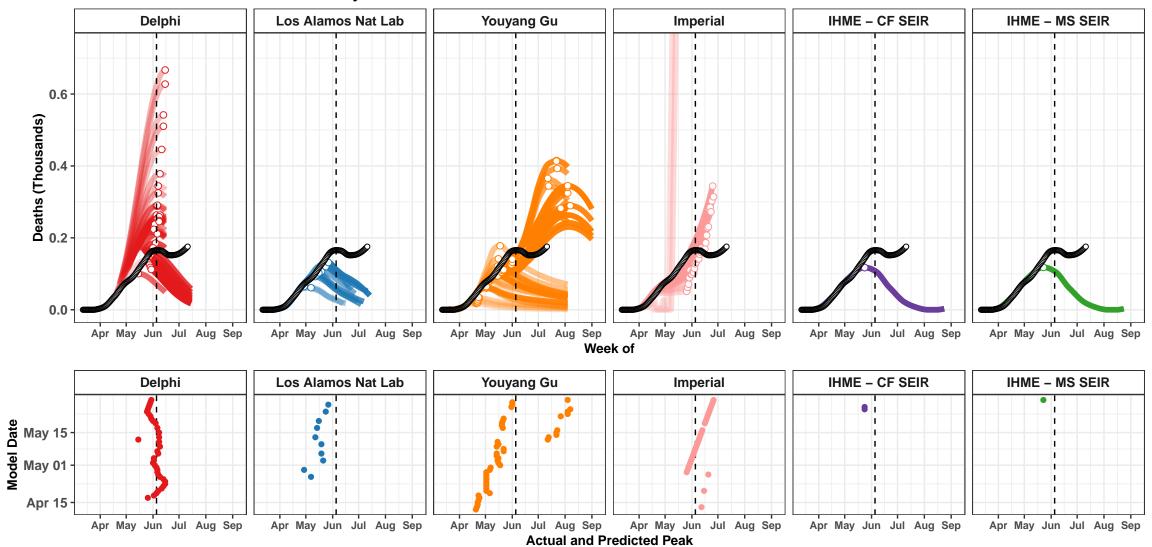
New Jersey – Smoothed Daily Deaths



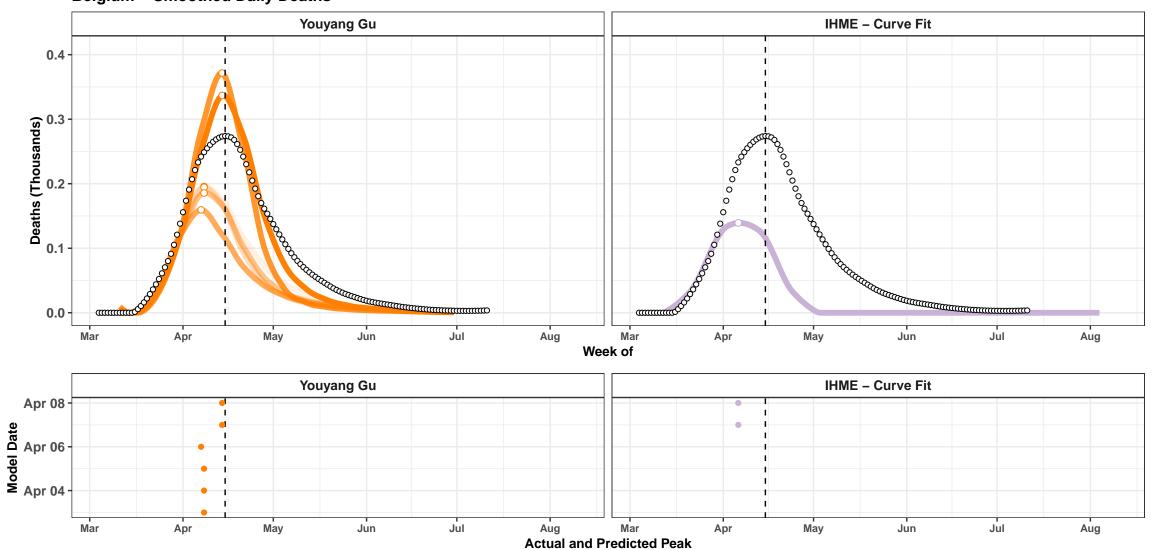
Peru – Smoothed Daily Deaths



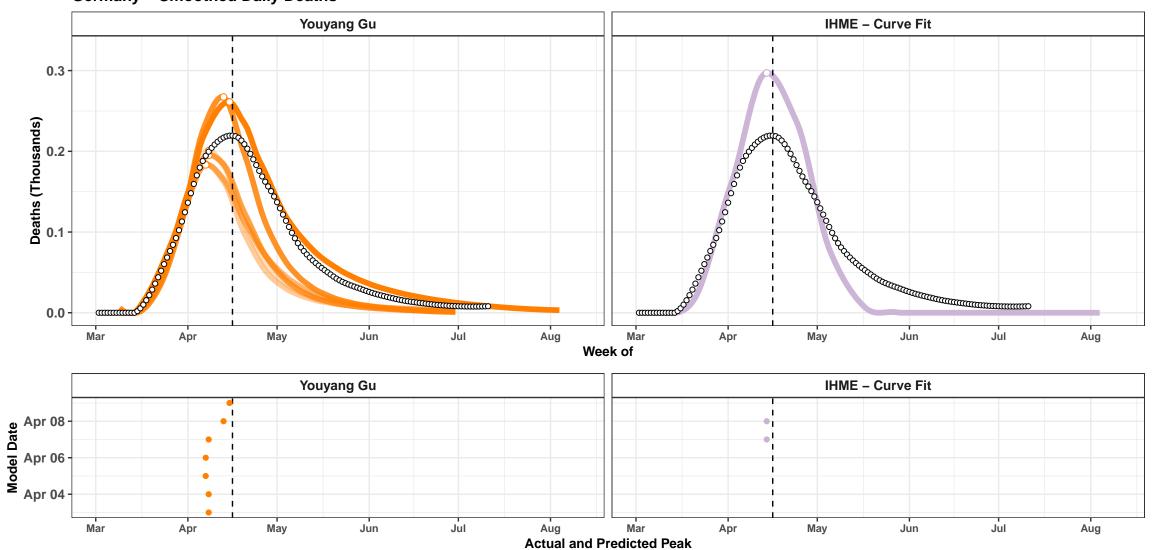
Russian Federation – Smoothed Daily Deaths



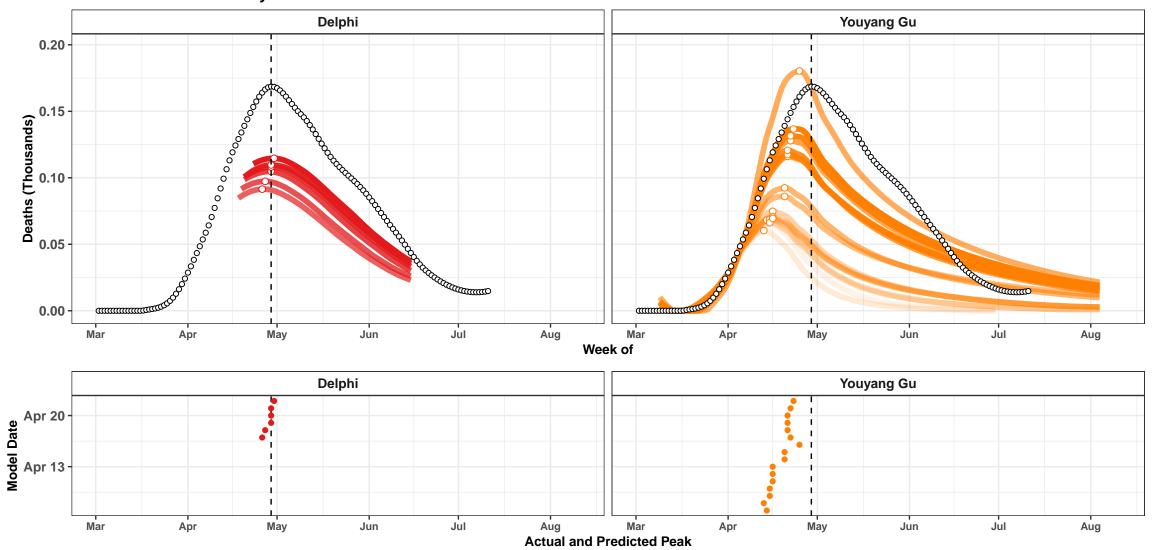
Belgium – Smoothed Daily Deaths



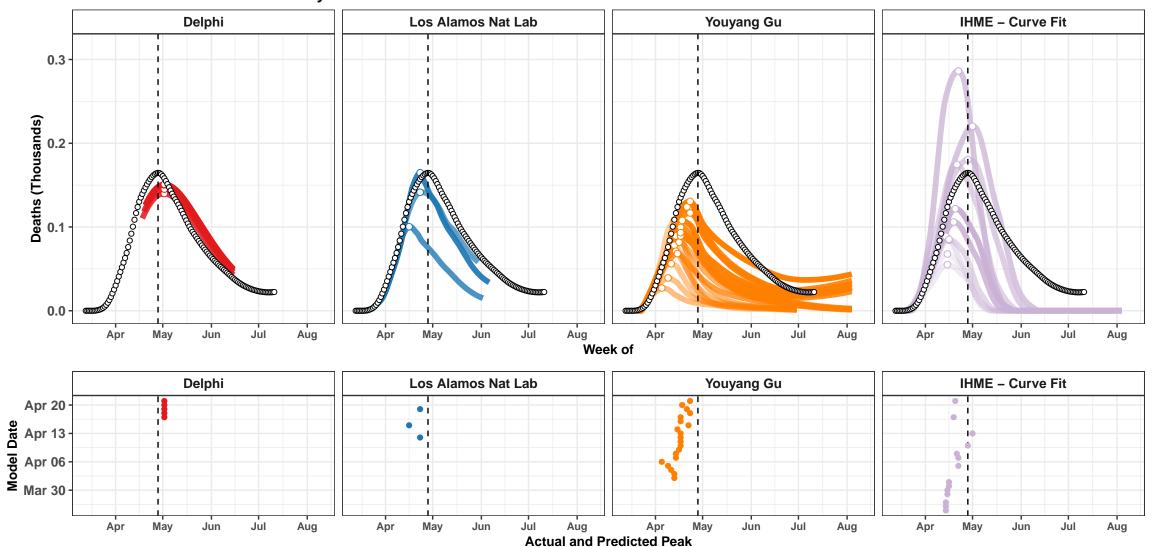
Germany – Smoothed Daily Deaths



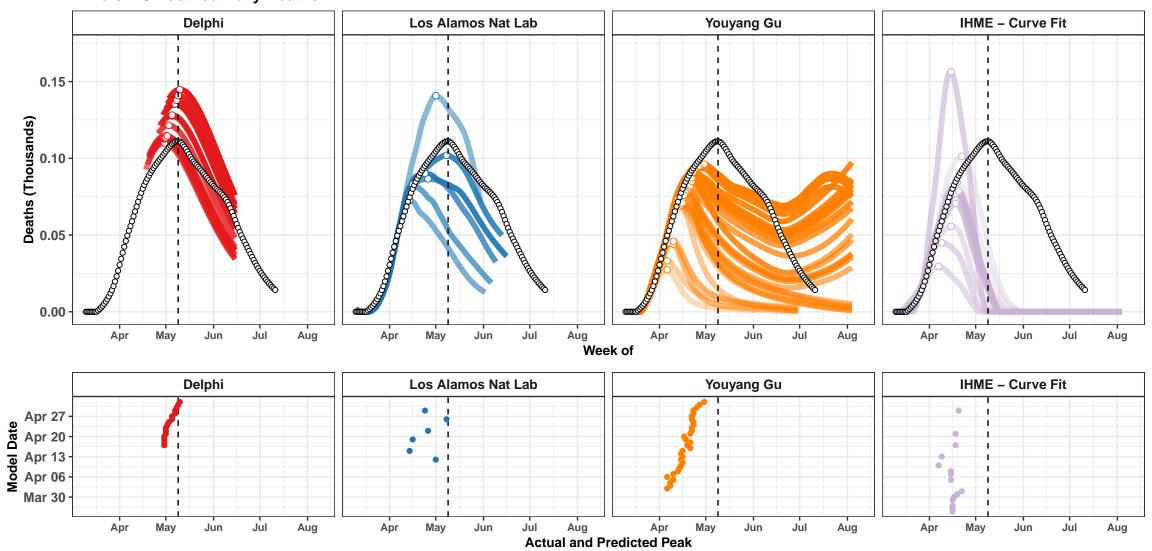
Canada – Smoothed Daily Deaths



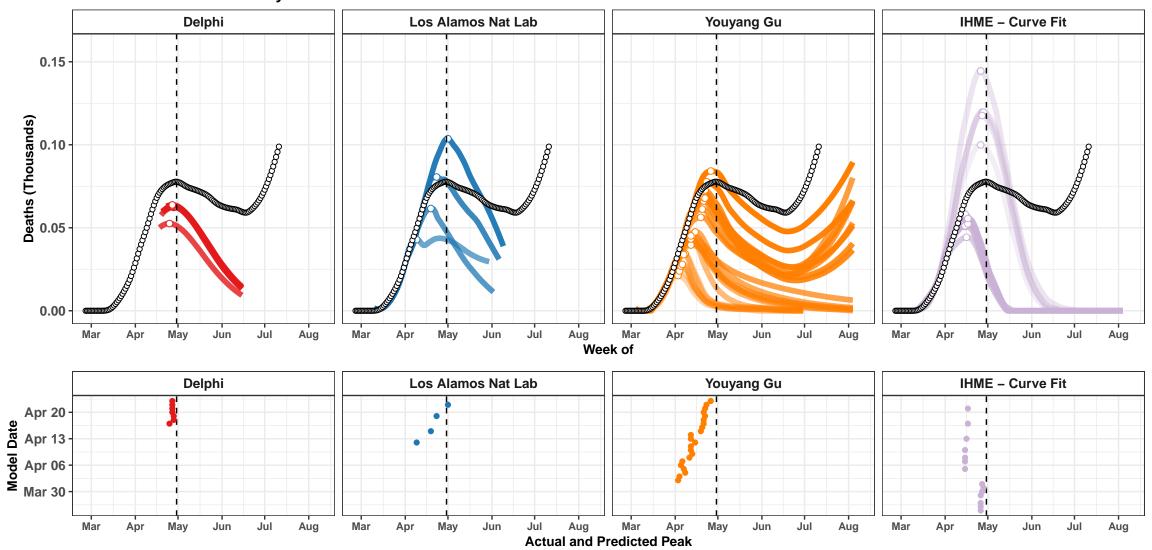
Massachusetts – Smoothed Daily Deaths



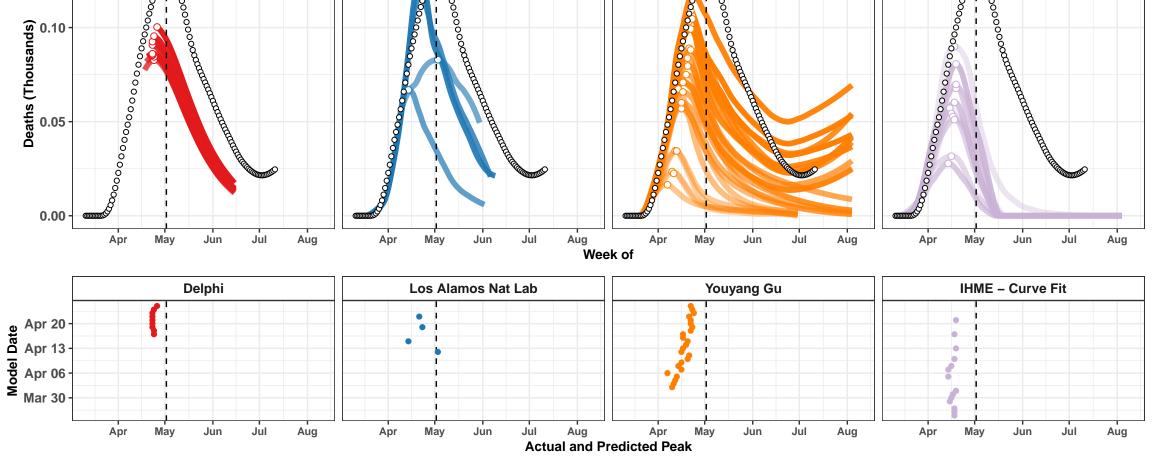
Illinois - Smoothed Daily Deaths

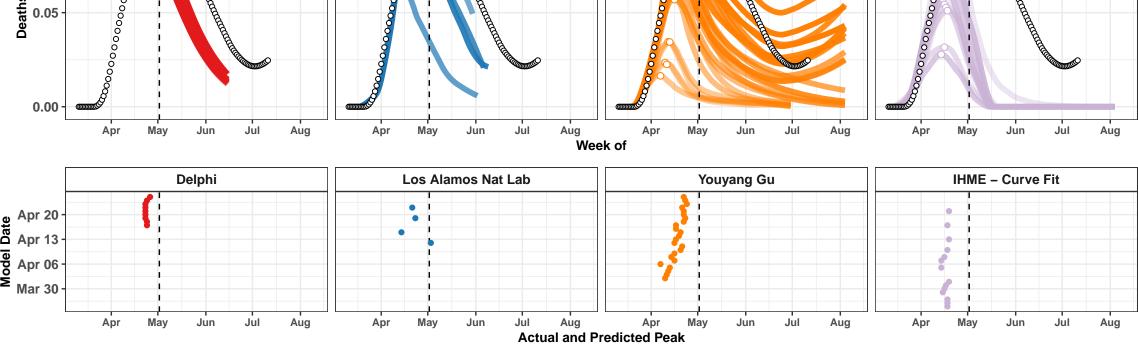


California – Smoothed Daily Deaths

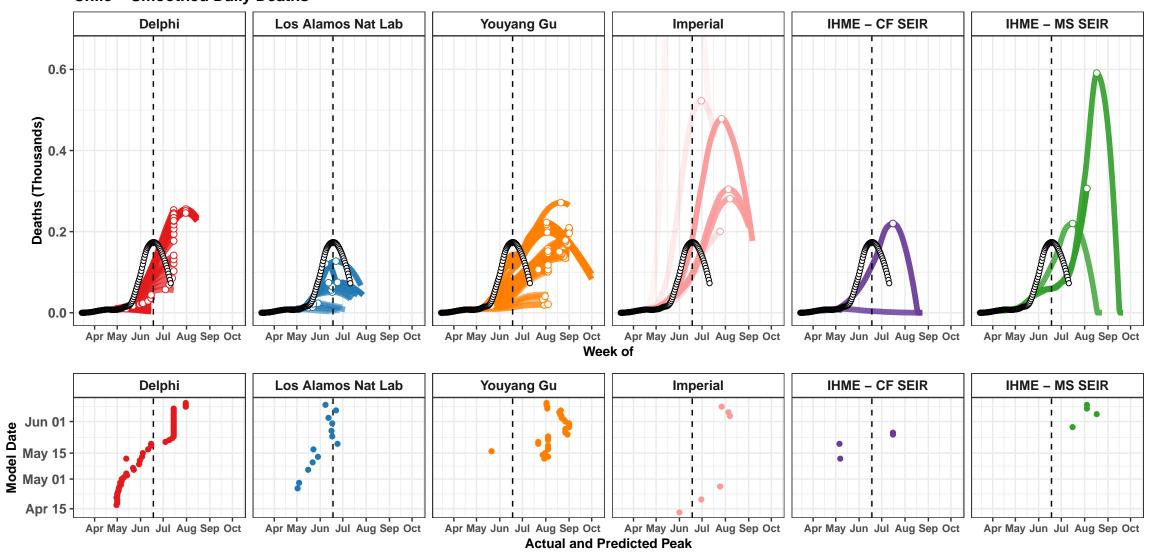


Pennsylvania – Smoothed Daily Deaths Youyang Gu IHME – Curve Fit Delphi Los Alamos Nat Lab Deaths (Thousands) 0.00 Apr May Jun Jul Aug Week of Delphi Los Alamos Nat Lab Youyang Gu IHME - Curve Fit



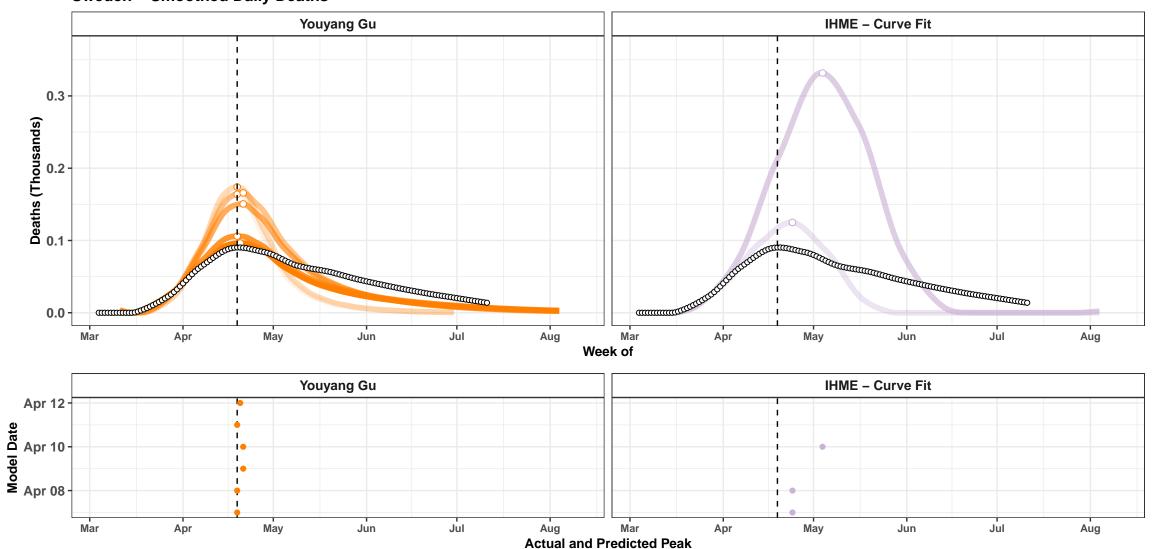


Chile - Smoothed Daily Deaths



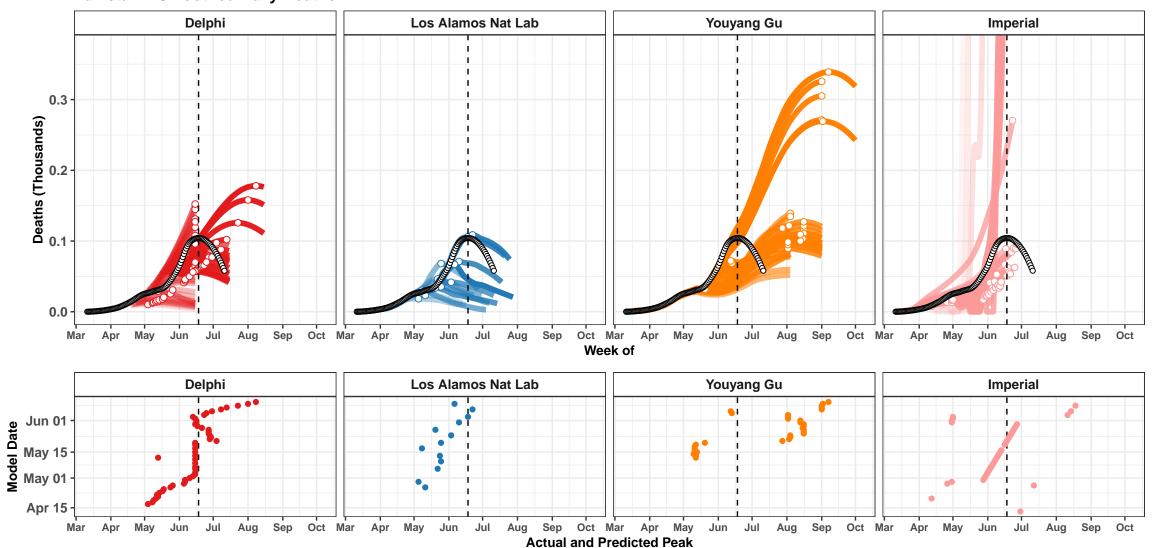
Michigan - Smoothed Daily Deaths Youyang Gu IHME - Curve Fit 0.20 0.15 Deaths (Thousands) 0.05 0.00 -Jun Apr May Jun Jul Aug Apr May Jul Aug Week of IHME - Curve Fit Youyang Gu Model Date Mar 30 Jul Apr May Jun Aug Apr May Jun Jul Aug **Actual and Predicted Peak**

Sweden – Smoothed Daily Deaths

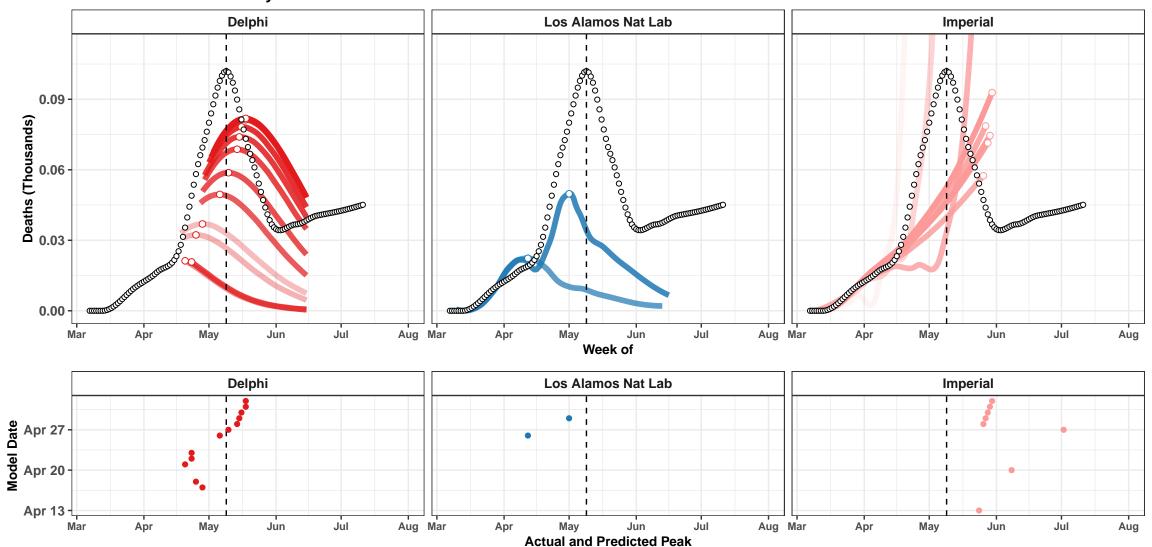


Turkey - Smoothed Daily Deaths Youyang Gu . 0.12 Deaths (Thousands) 0.00 -Aug Week of Youyang Gu Apr 11 Model Date Date Apr 09 - Apr 08 -Apr 07 May Jun Jul Aug Apr **Actual and Predicted Peak**

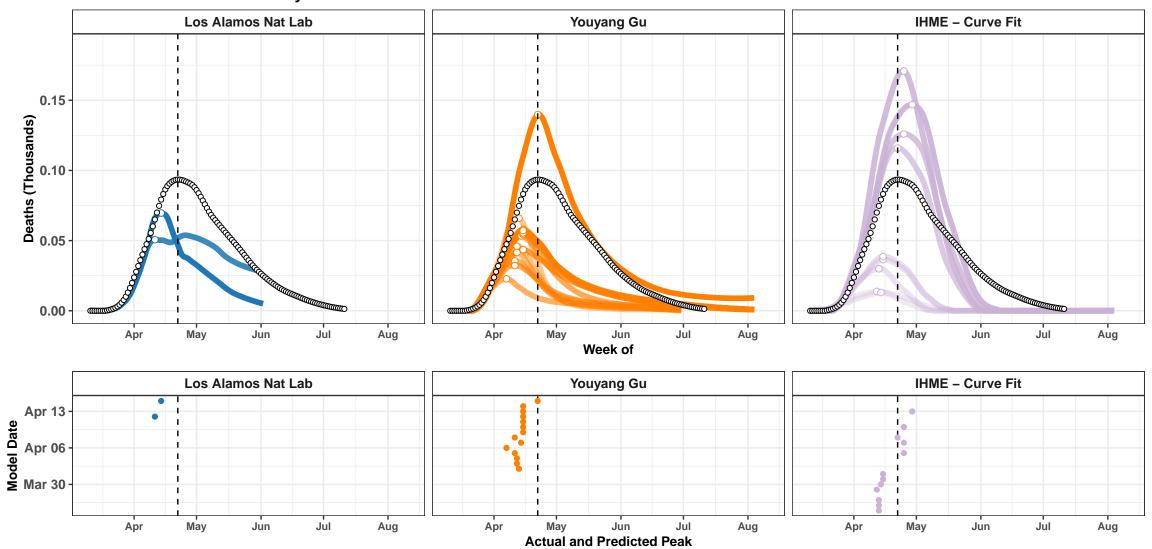
Pakistan - Smoothed Daily Deaths



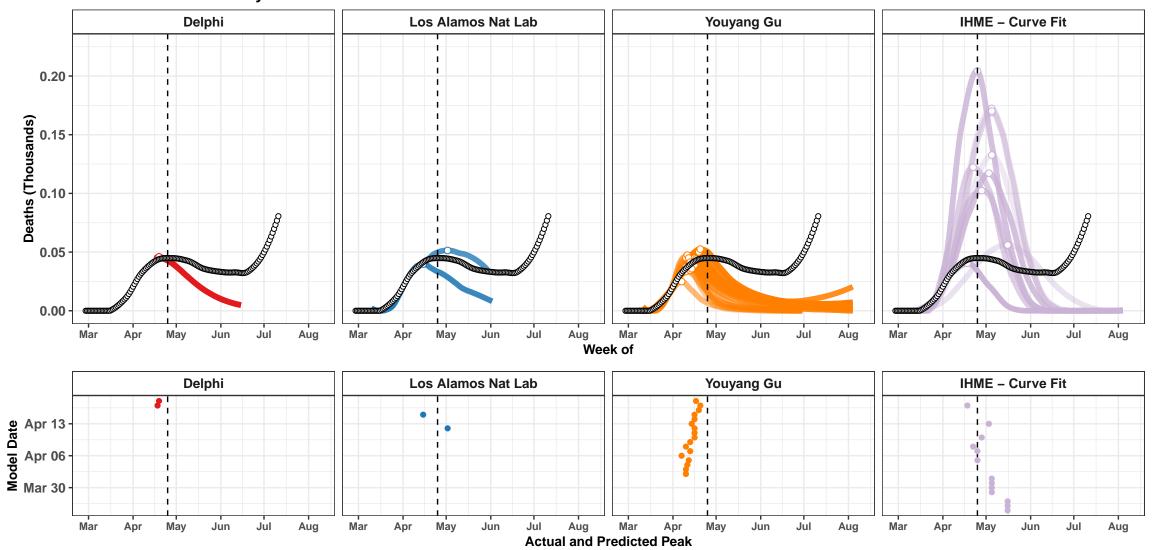
Ecuador – Smoothed Daily Deaths



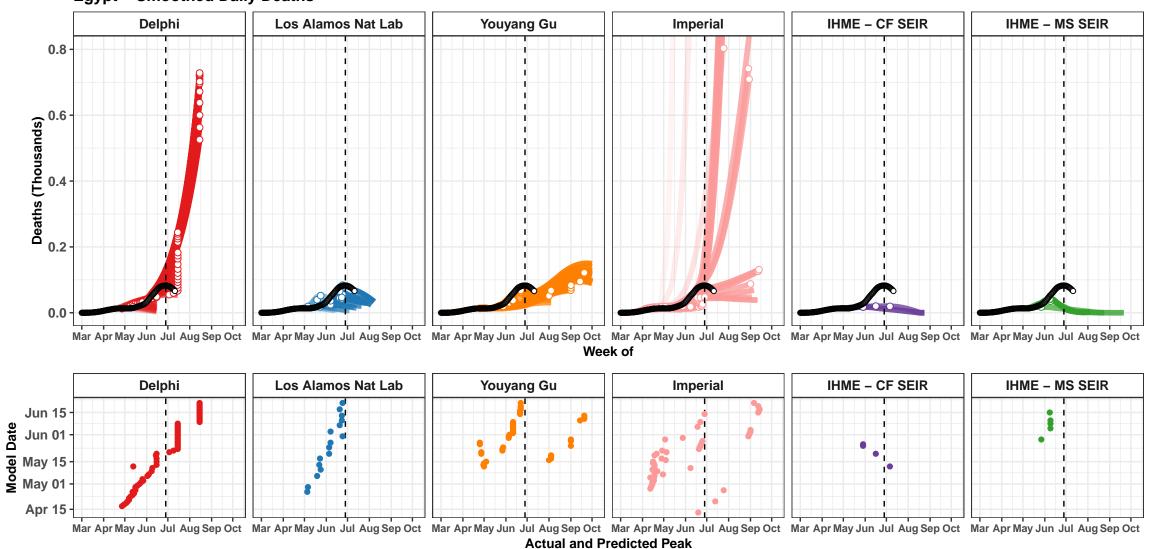
Connecticut – Smoothed Daily Deaths

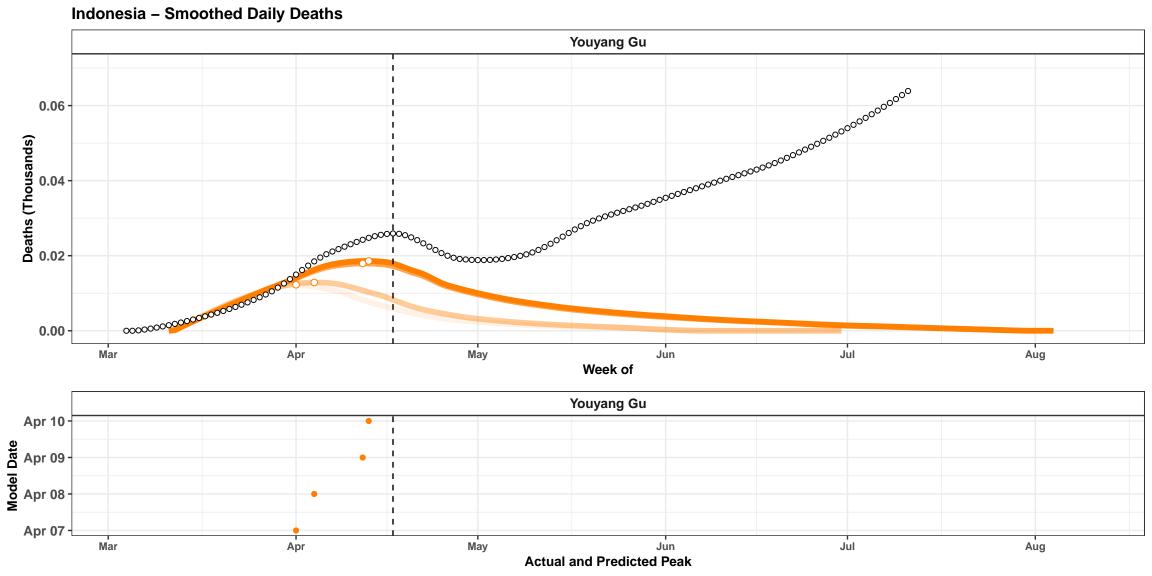


Florida – Smoothed Daily Deaths

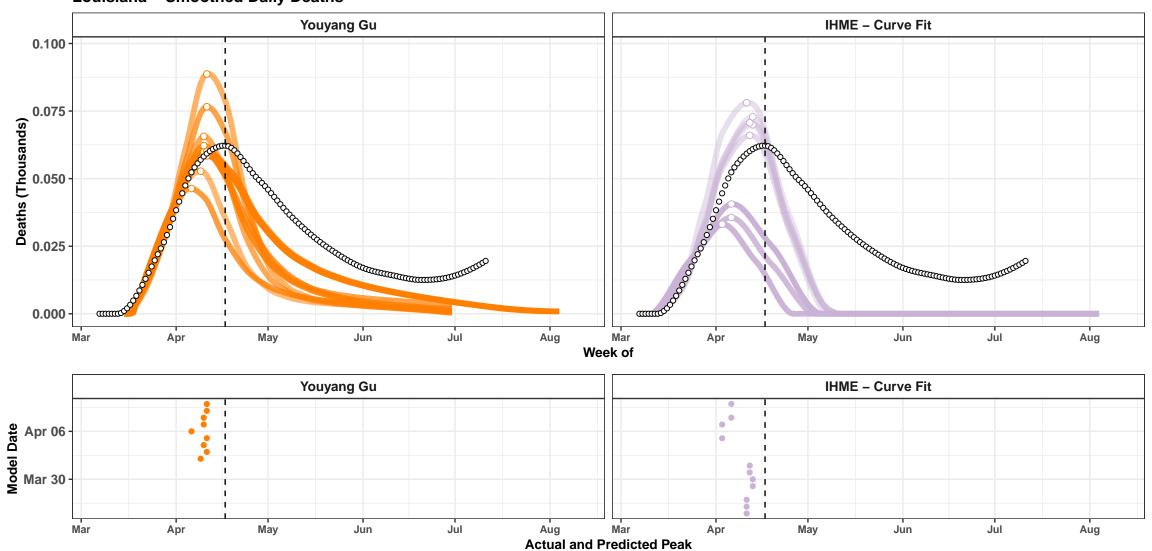


Egypt – Smoothed Daily Deaths





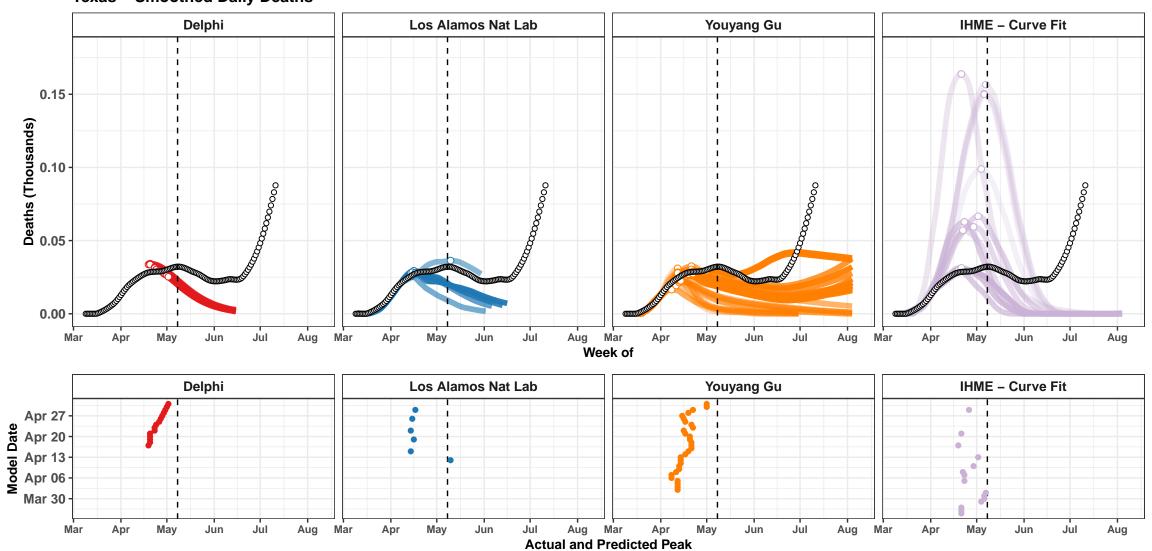
Louisiana – Smoothed Daily Deaths



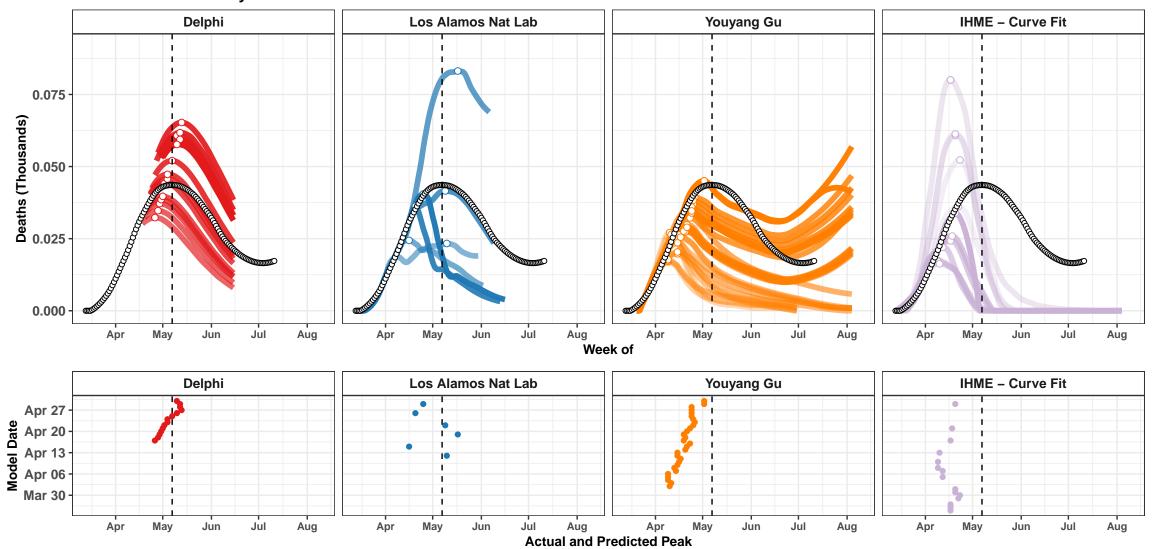
Maryland - Smoothed Daily Deaths Youyang Gu IHME - Curve Fit Delphi Los Alamos Nat Lab 0.100 Deaths (Thousands) 0.000 -Aug Apr May Jun Jul Apr May Jun Jul Aug Apr May Jun Jul Aug Apr May Jun Jul Aug Week of Youyang Gu IHME - Curve Fit Delphi Los Alamos Nat Lab Apr 20 Apr 13 Apr 06 Mar 30 May Aug May Jun Jul Aug Apr May Jun Jul Jul Aug Apr Jun Jul Apr Aug Apr May Jun

Actual and Predicted Peak

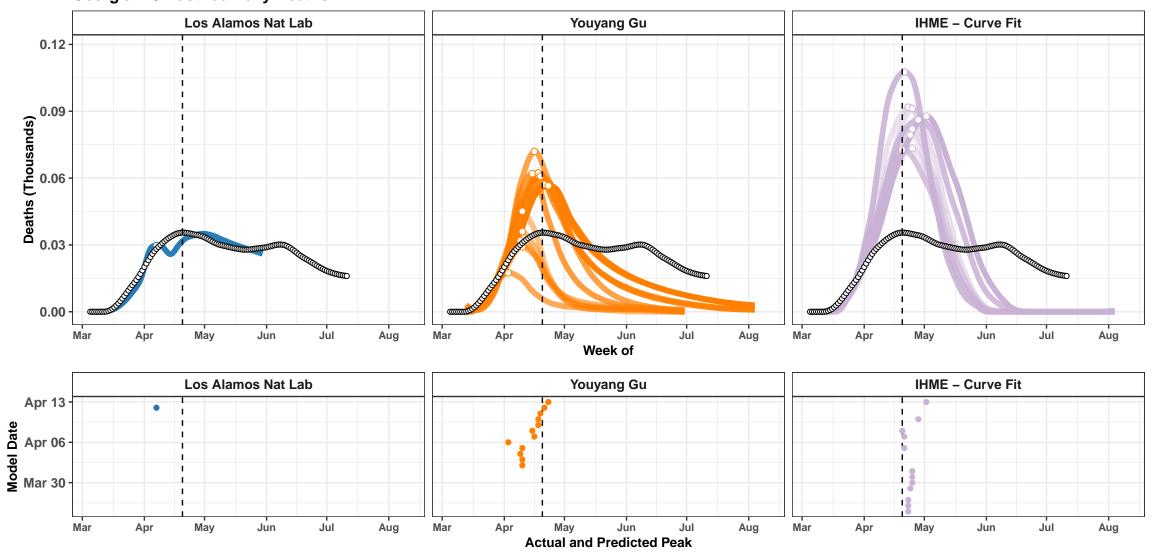
Texas – Smoothed Daily Deaths



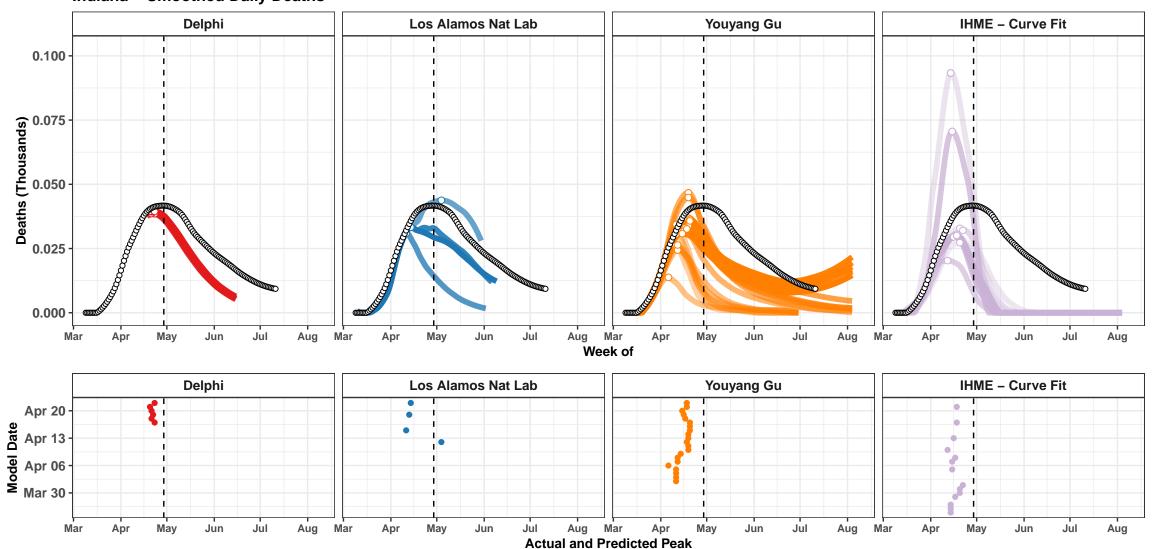
Ohio – Smoothed Daily Deaths



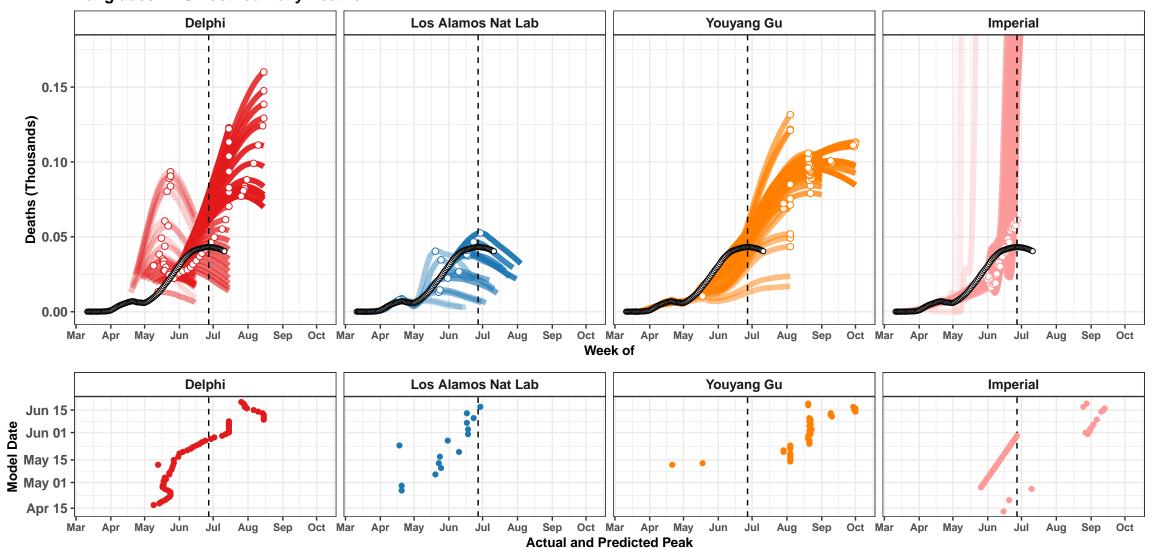
Georgia – Smoothed Daily Deaths



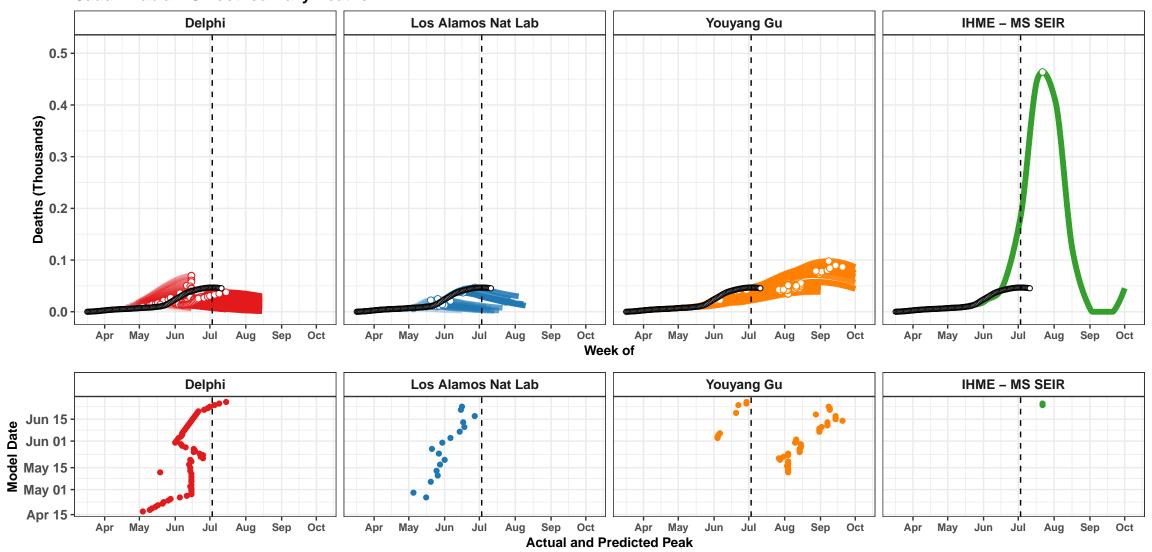
Indiana – Smoothed Daily Deaths



Bangladesh – Smoothed Daily Deaths



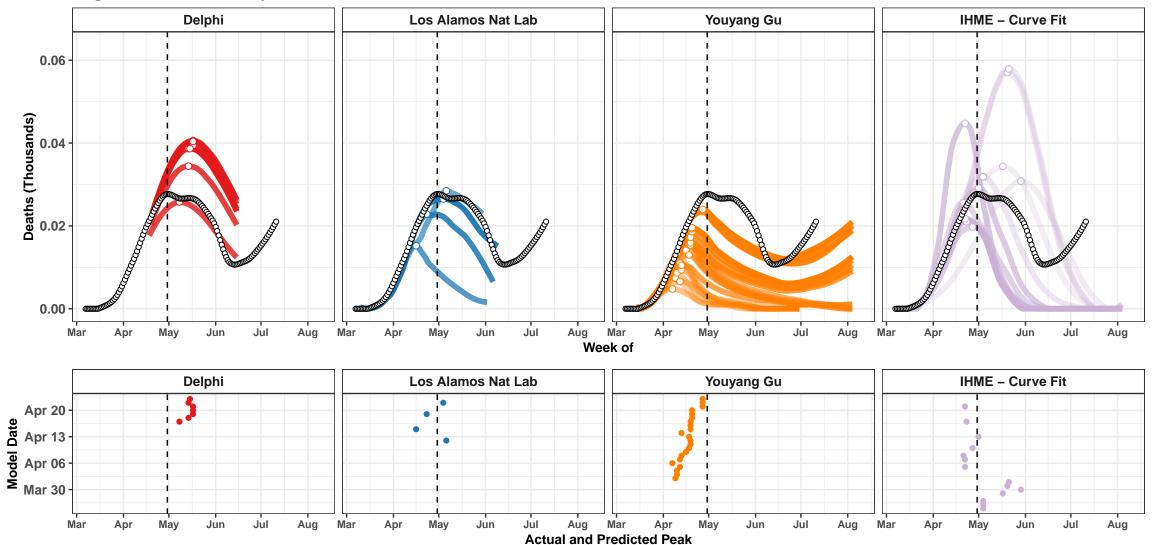
Saudi Arabia – Smoothed Daily Deaths



Arizona – Smoothed Daily Deaths Los Alamos Nat Lab Youyang Gu IHME - Curve Fit Delphi 0.06 Deaths (Thousands) 0.00 Apr May Jun Jul Aug Week of IHME - Curve Fit Delphi **Los Alamos Nat Lab** Youyang Gu May 01 **Model Date** Apr 15

Apr 01 May Aug May Jul Aug Apr May Jun Aug May Aug Apr Jun Jul Apr Jun Jul Apr Jun Jul **Actual and Predicted Peak**

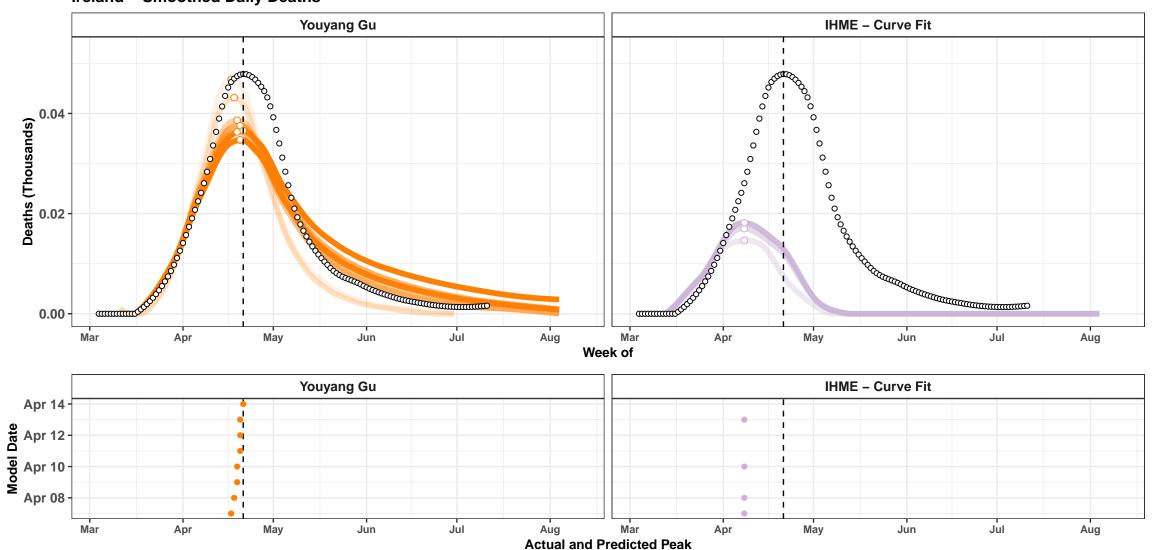
Virginia – Smoothed Daily Deaths



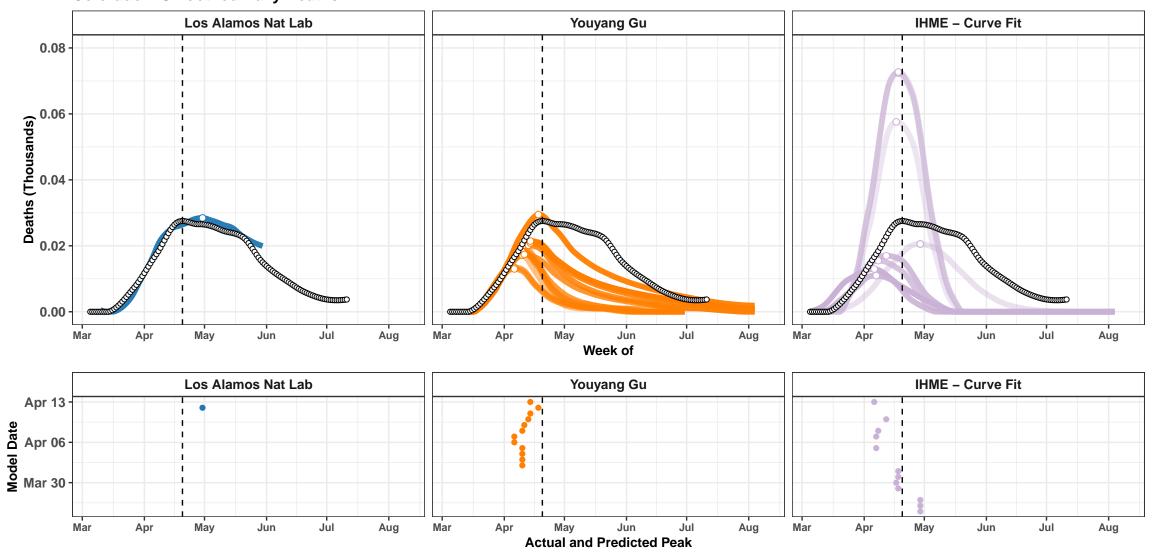
Romania – Smoothed Daily Deaths Youyang Gu **Imperial** IHME - Curve Fit Delphi 0.05 0.04 Deaths (Thousands) 0.03 0.02 0.01 0.00 Aug Apr May Jun Jul Apr May Jun Jul Aug Apr May Jun Jul Aug Apr May Jun Jul Aug Week of Youyang Gu IHME - Curve Fit Delphi **Imperial** Model Date
Apr 13 Aug May Aug May Jul Jul Aug Apr May Jun Jul Aug May Apr Jun Apr Jun Apr Jun Jul

Actual and Predicted Peak

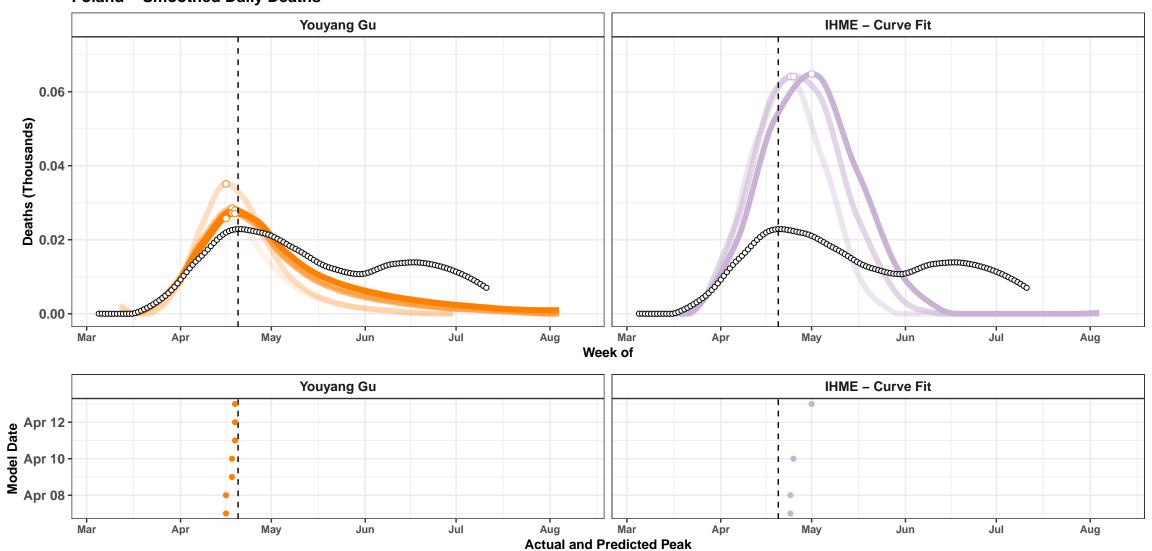
Ireland – Smoothed Daily Deaths



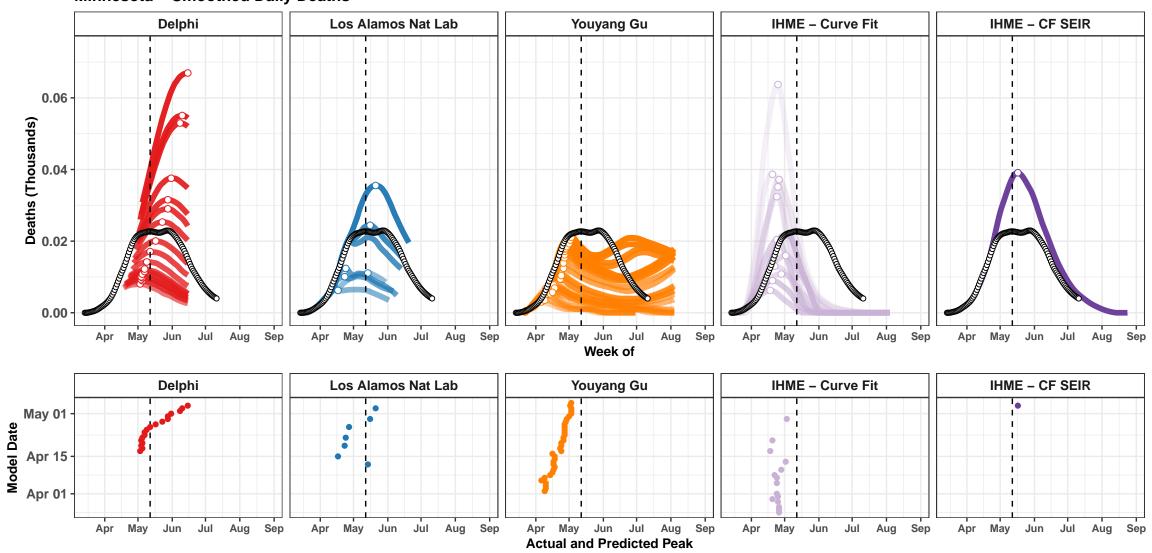
Colorado – Smoothed Daily Deaths



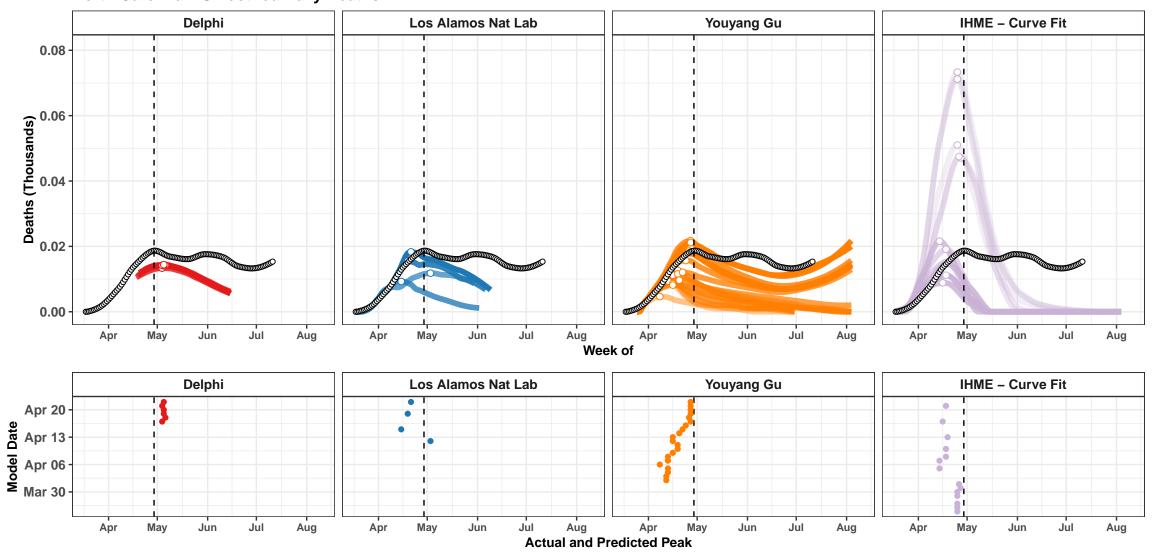
Poland – Smoothed Daily Deaths

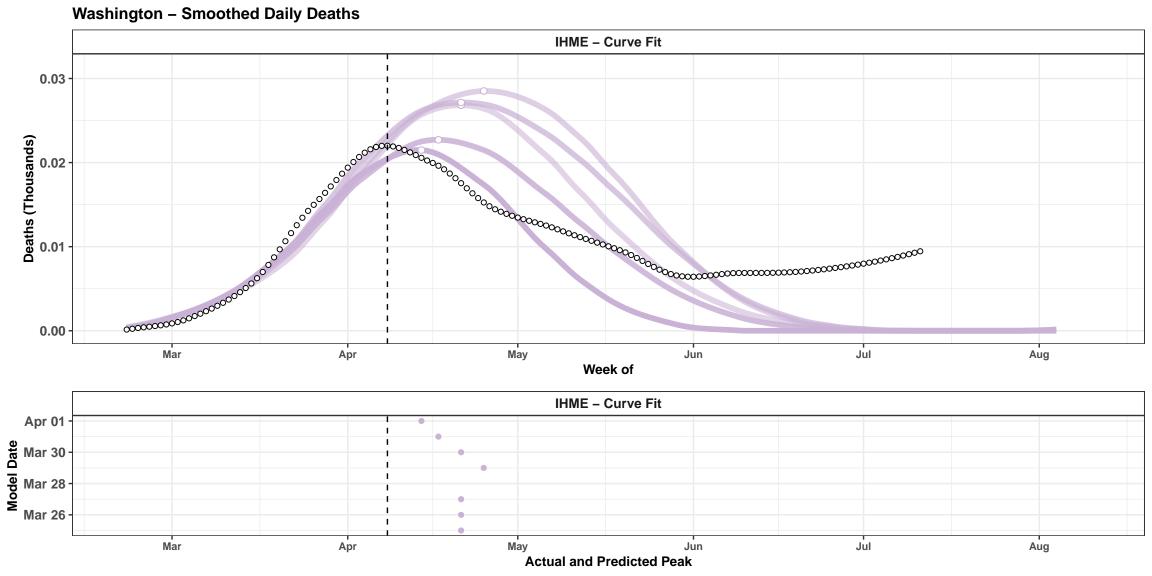


Minnesota – Smoothed Daily Deaths

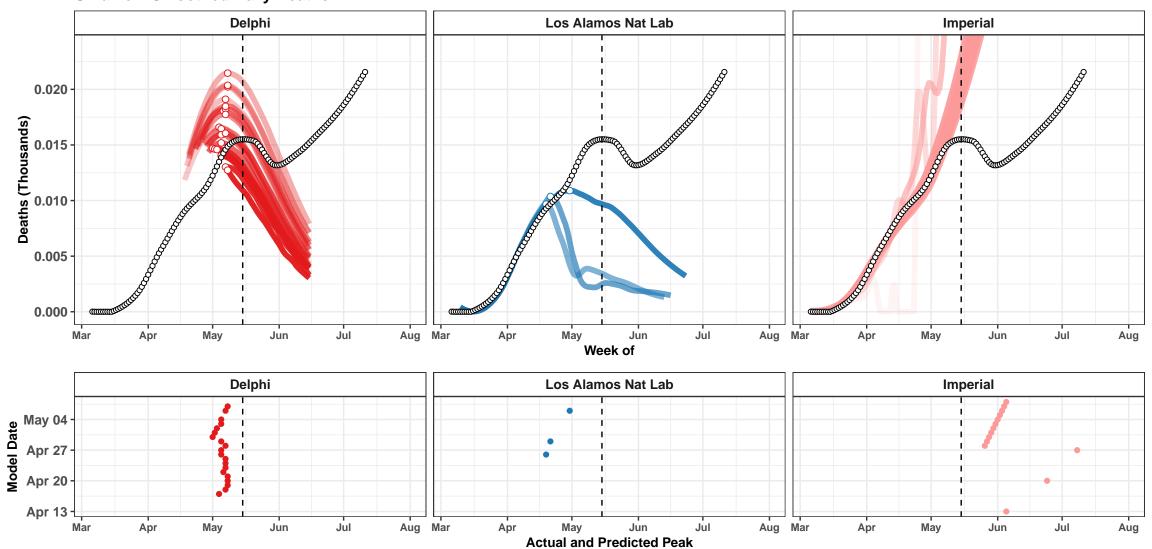


North Carolina – Smoothed Daily Deaths



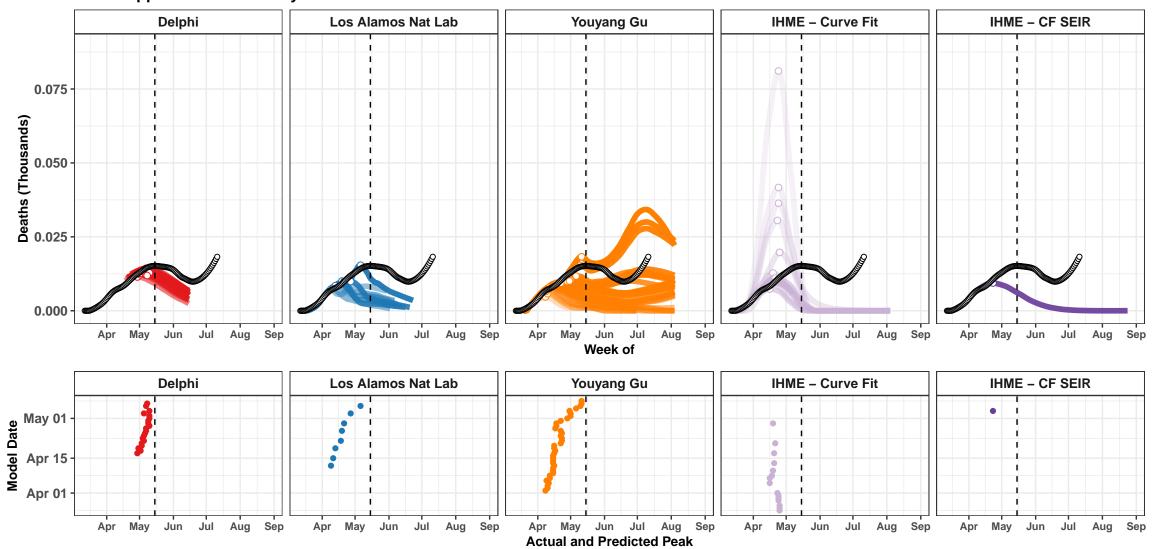


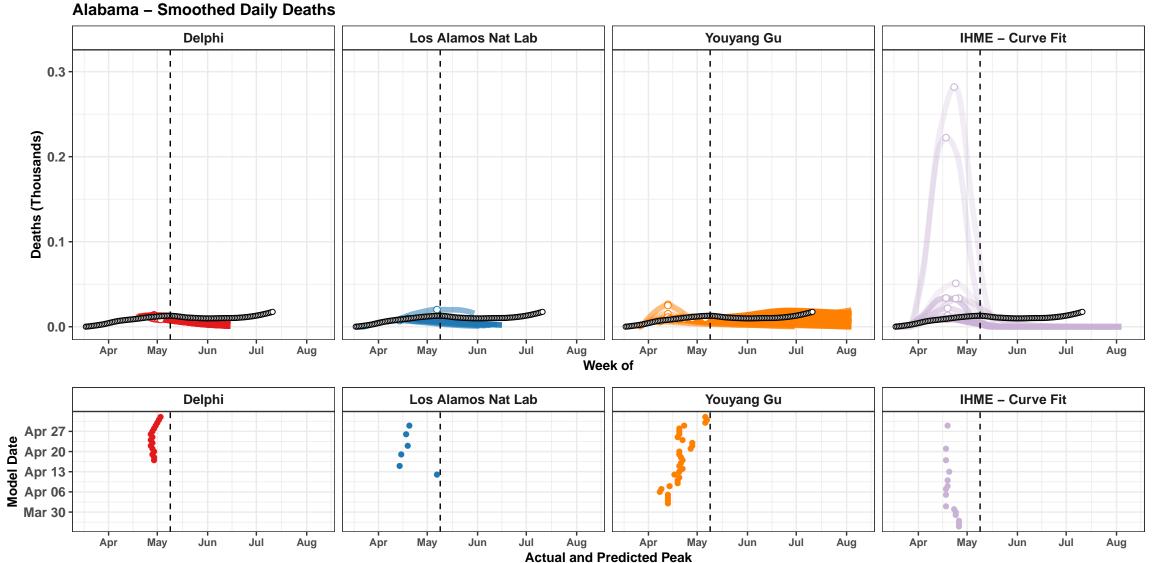
Ukraine – Smoothed Daily Deaths



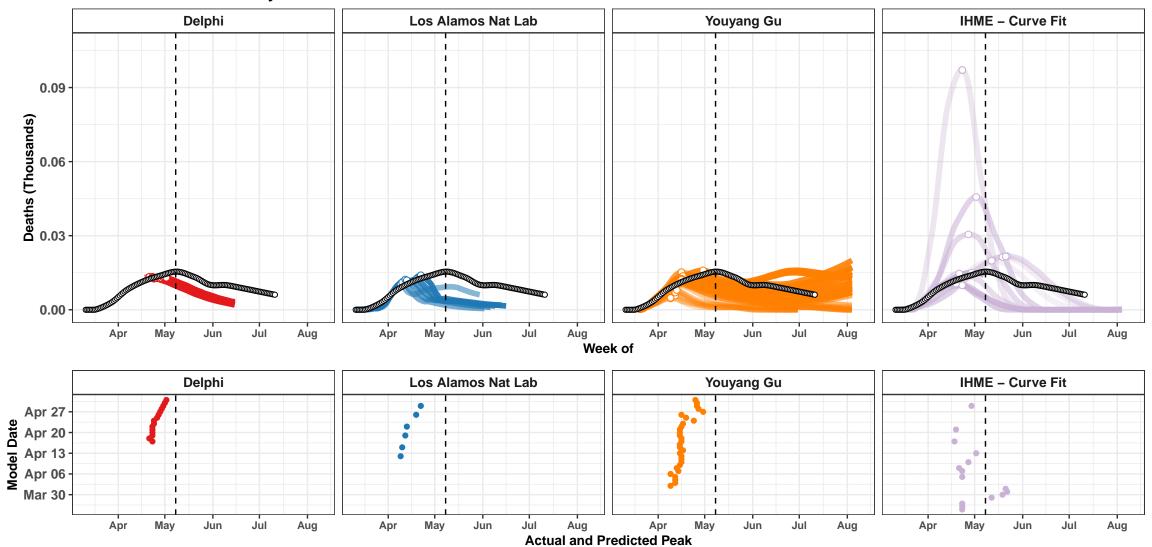
Philippines – Smoothed Daily Deaths Youyang Gu 0.020 0.015 Deaths (Thousands) 0.000 -Feb Mar Apr May Jun Jul Aug Week of Youyang Gu Apr 10 Model Date
Apr 08 Apr 07 Feb Mar Apr May Jun Jul Aug **Actual and Predicted Peak**

Mississippi – Smoothed Daily Deaths





Missouri - Smoothed Daily Deaths



Japan - Smoothed Daily Deaths Delphi 0.020 Deaths (Thousands) 0 0.005 0.000 -Feb May Jun Week of Delphi Apr 22 Model Date Apr 20 -

Actual and Predicted Peak

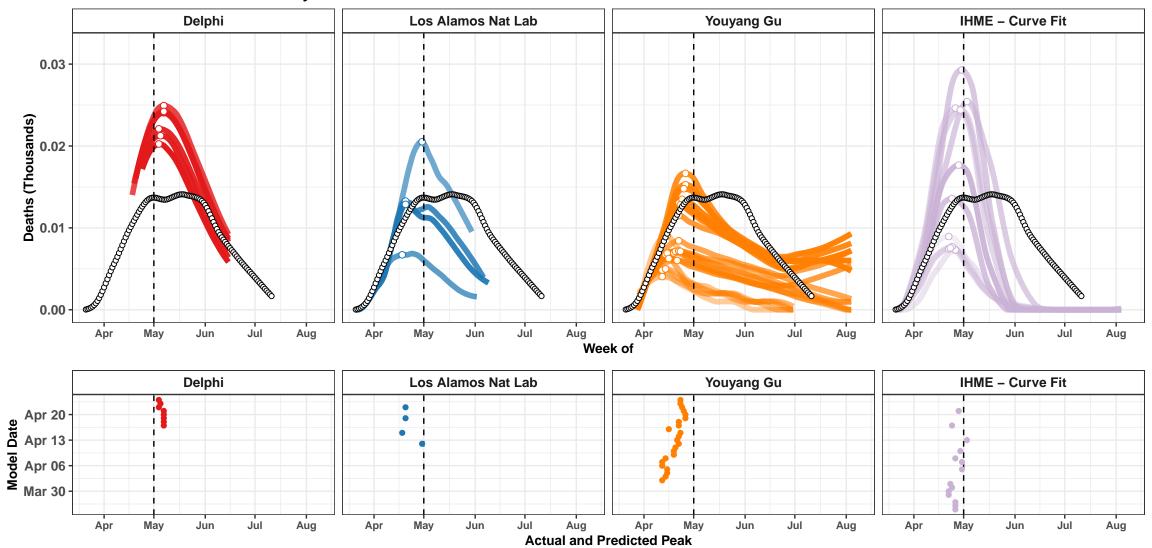
May

Jun

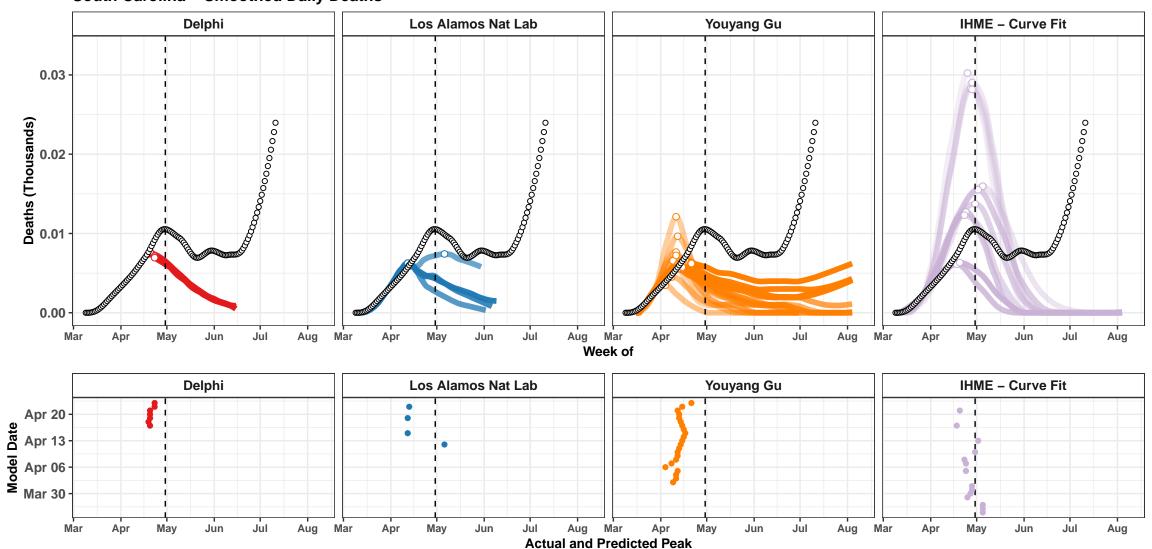
Feb

Mar

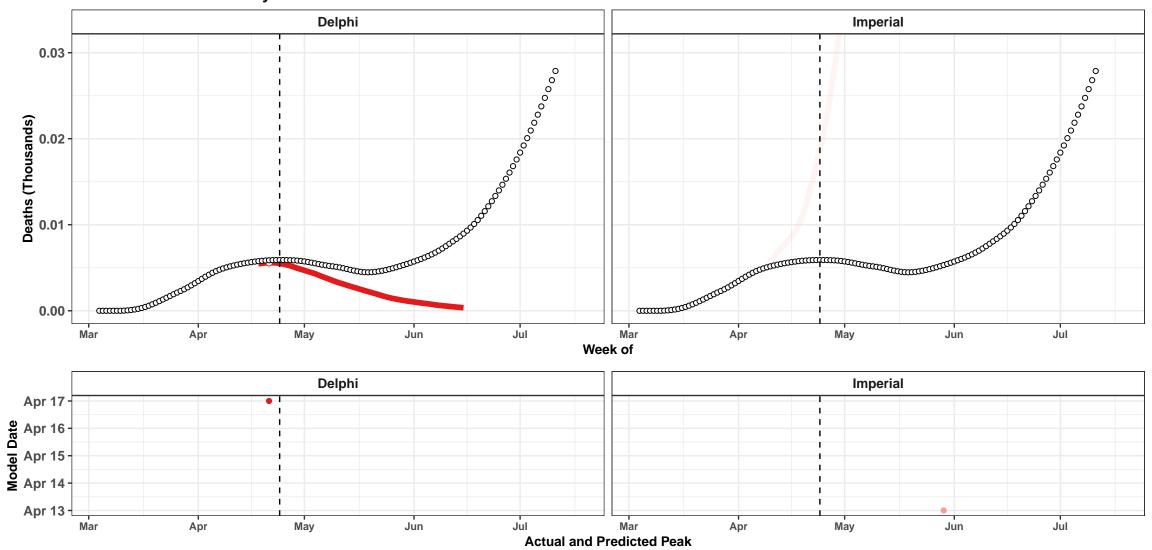
Rhode Island – Smoothed Daily Deaths



South Carolina – Smoothed Daily Deaths

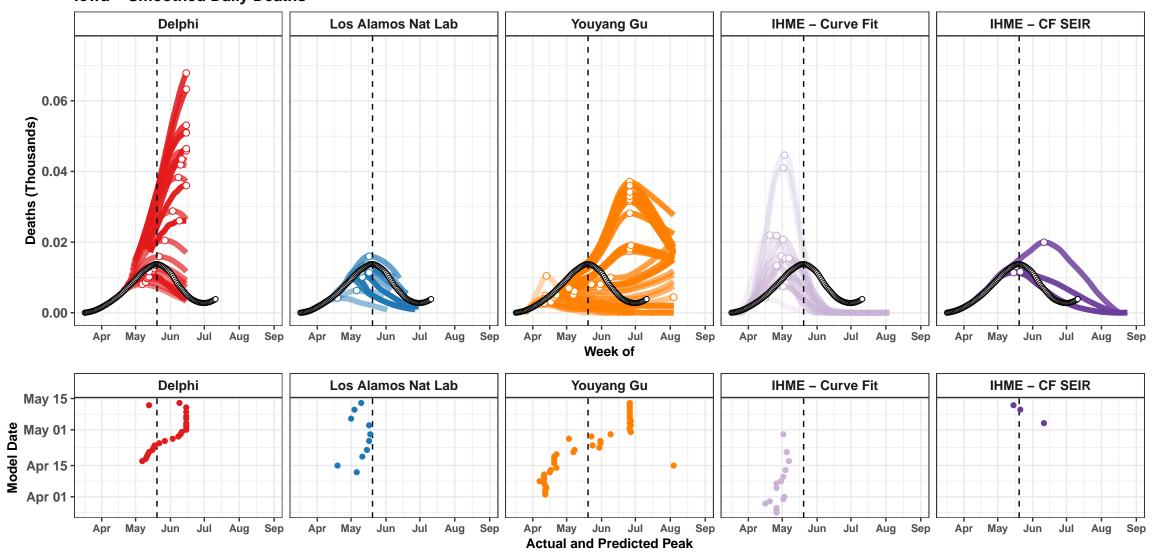


Panama – Smoothed Daily Deaths

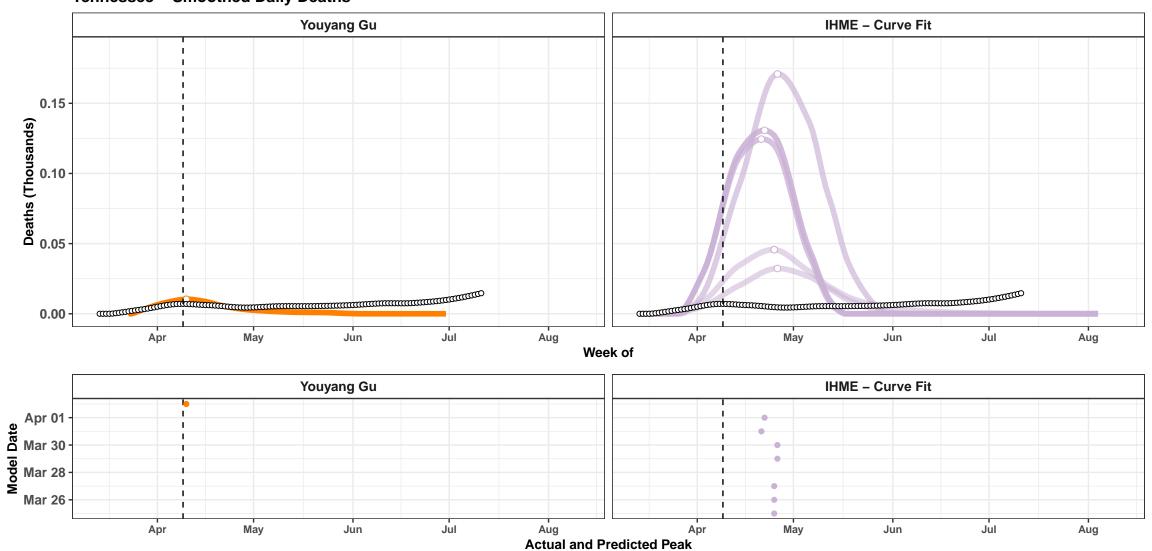


Wisconsin – Smoothed Daily Deaths Youyang Gu IHME - Curve Fit 0.04 Deaths (Thousands) 0.00 0.01 0.01 0.00 Jul May Jun Apr May Jun Jul Aug Apr Aug Week of IHME - Curve Fit Youyang Gu Model Date Mar 30 Jul Apr May Jun Aug Apr May Jun Jul Aug **Actual and Predicted Peak**

Iowa - Smoothed Daily Deaths



Tennessee – Smoothed Daily Deaths



Nigeria – Smoothed Daily Deaths **Los Alamos Nat Lab** Youyang Gu Delphi **Imperial** 0.06 Deaths (Thousands) 0.04 0.00 Apr May Jun Jul Aug Sep Week of **Los Alamos Nat Lab** Delphi Youyang Gu Imperial Jun 01 May 15 -Apr 15 ·

May

Jun

Apr

Aug

Sep

May

Apr

Jun

Jul

Aug

Sep

Actual and Predicted Peak

Apr

May

Jun

Jul

Aug

Sep

May

Apr

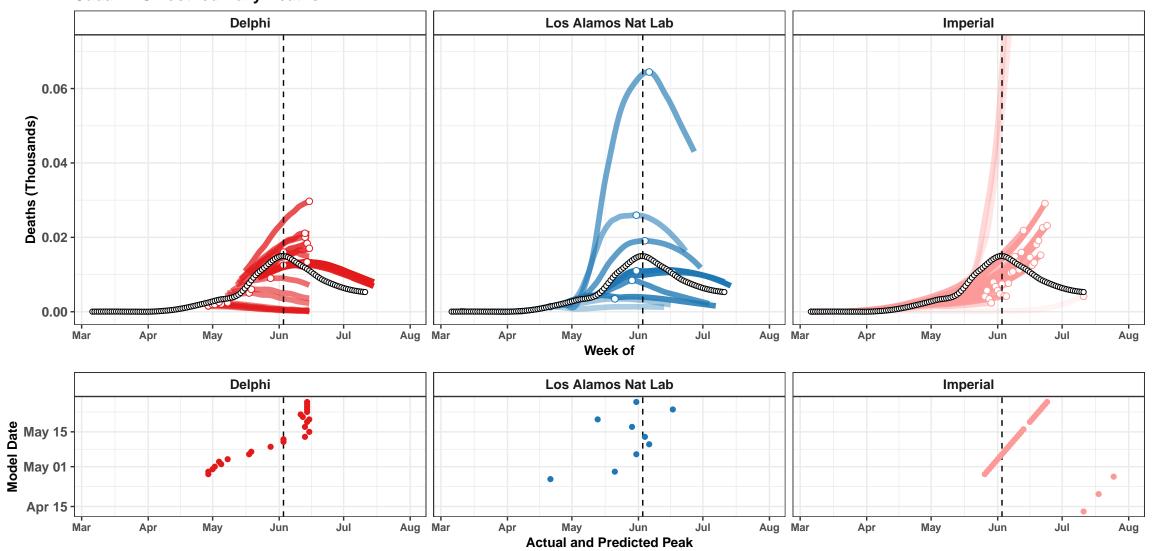
Jul

Jun

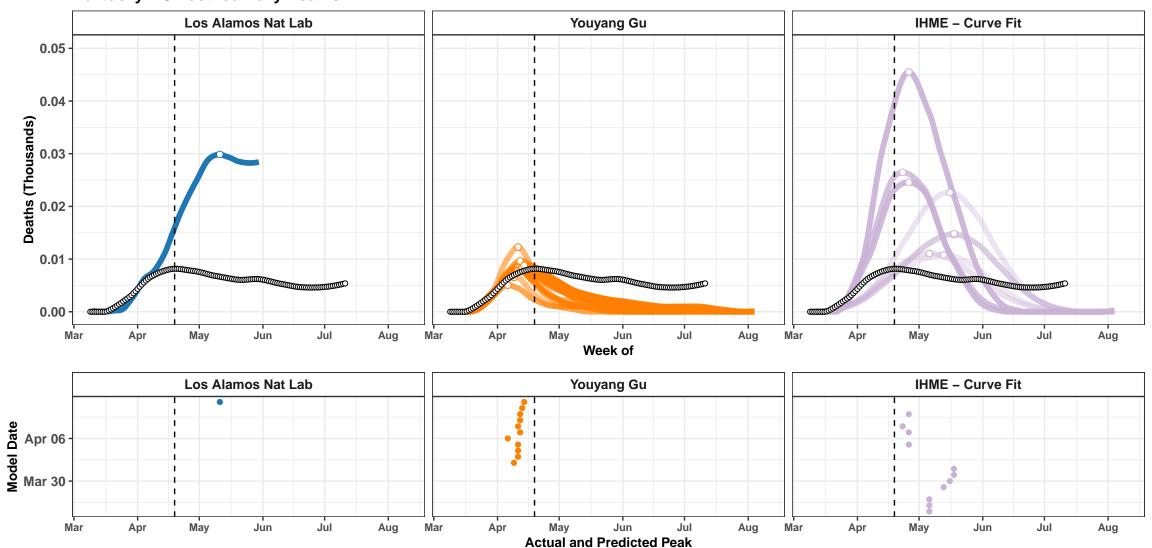
Aug

Sep

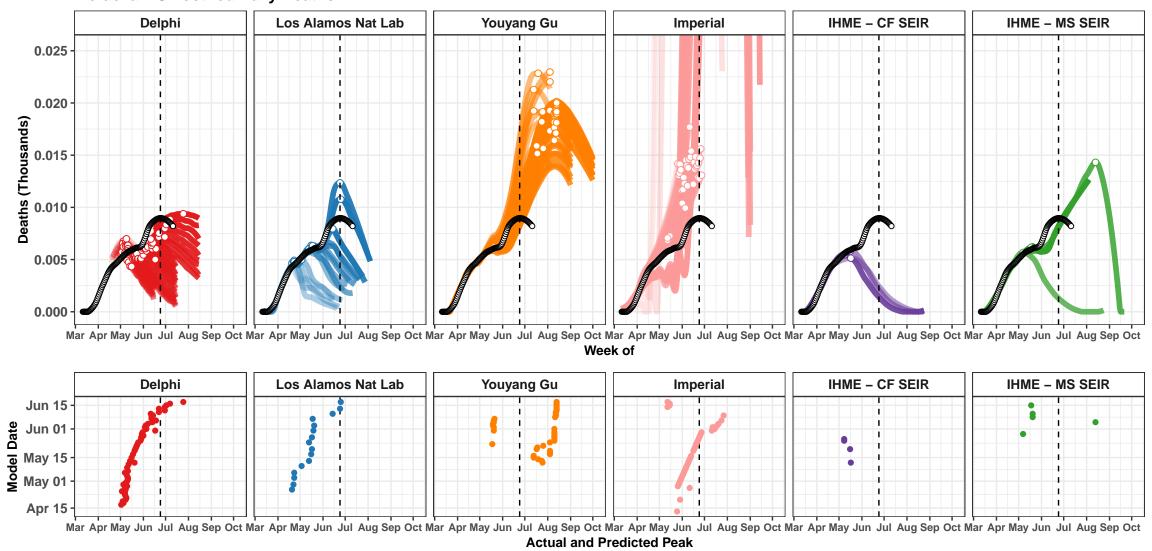
Sudan – Smoothed Daily Deaths



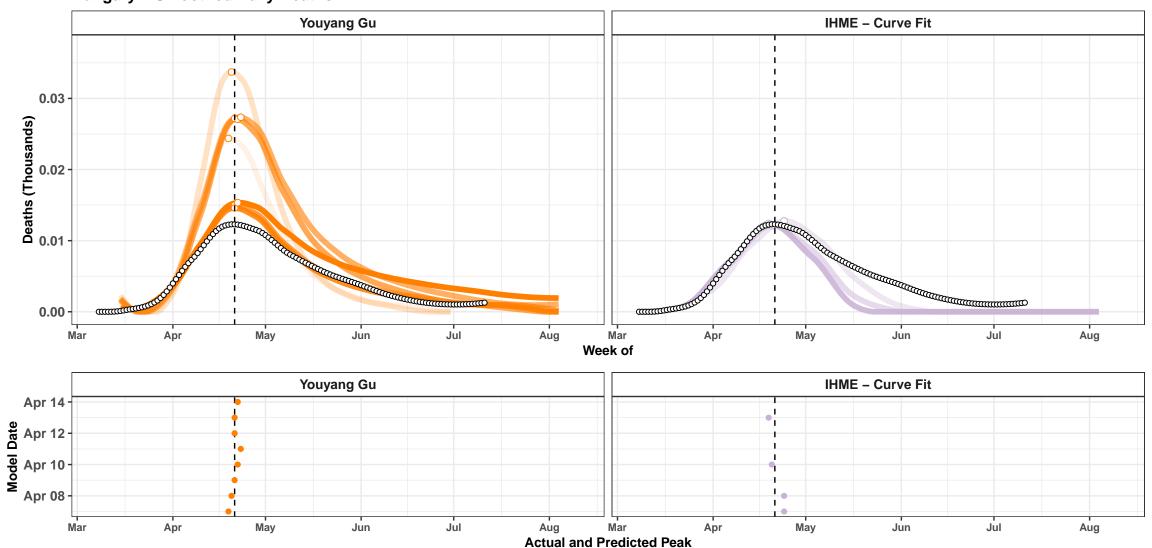
Kentucky – Smoothed Daily Deaths



Moldova - Smoothed Daily Deaths



Hungary – Smoothed Daily Deaths



Nevada – Smoothed Daily Deaths Youyang Gu IHME - Curve Fit 0.04 Deaths (Thousands) 0.01 0.00 Jul Mar Jun Mar Apr May Jun Jul Aug Apr May Aug Week of Youyang Gu IHME - Curve Fit Model Date Mar 30

Aug

Mar

Actual and Predicted Peak

Apr

May

Jun

Jul

Aug

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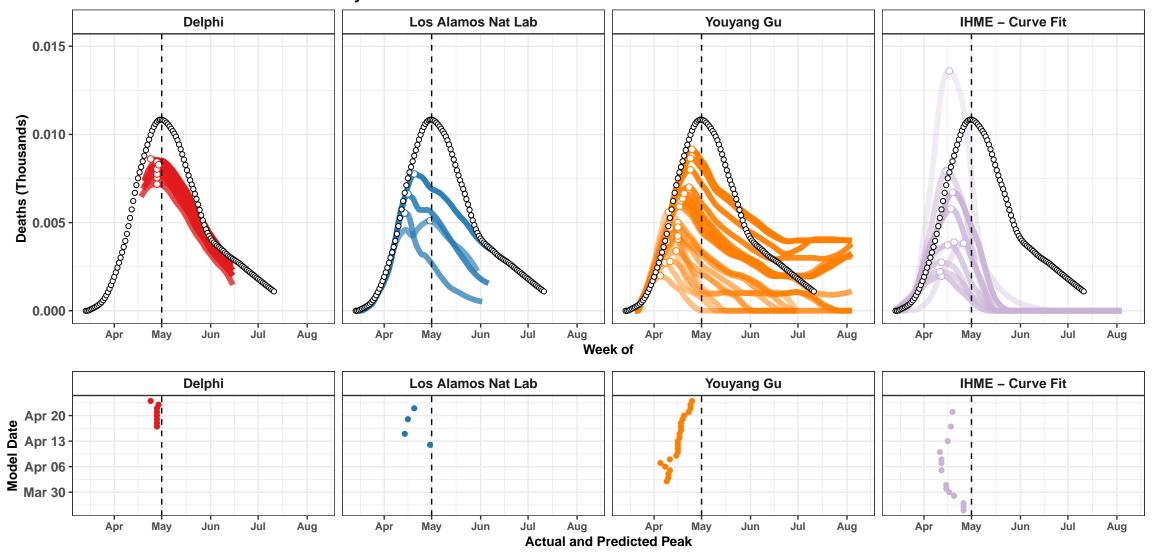
Apr

May

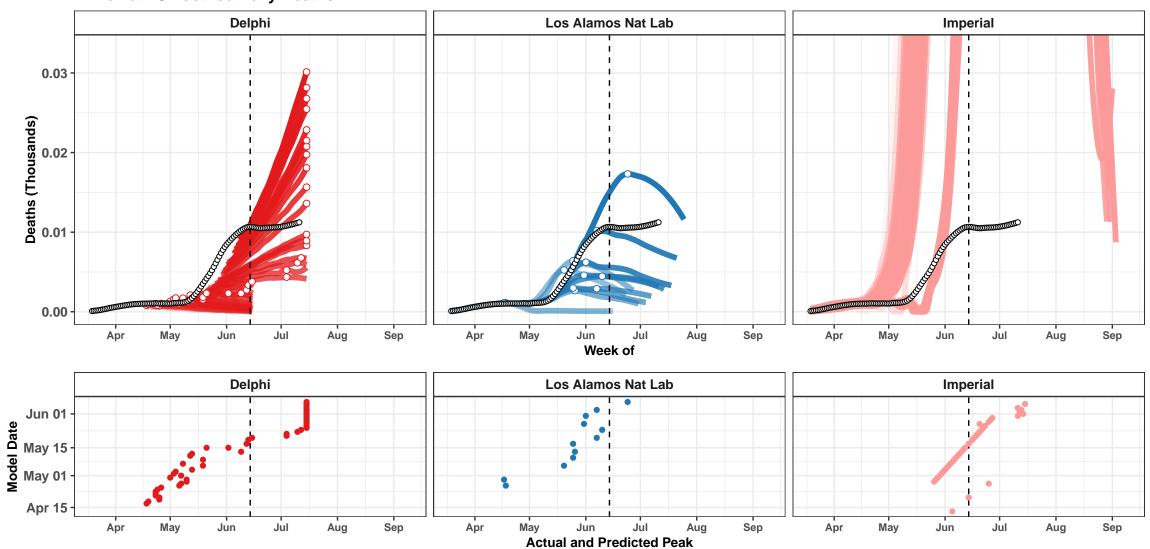
Jun

Jul

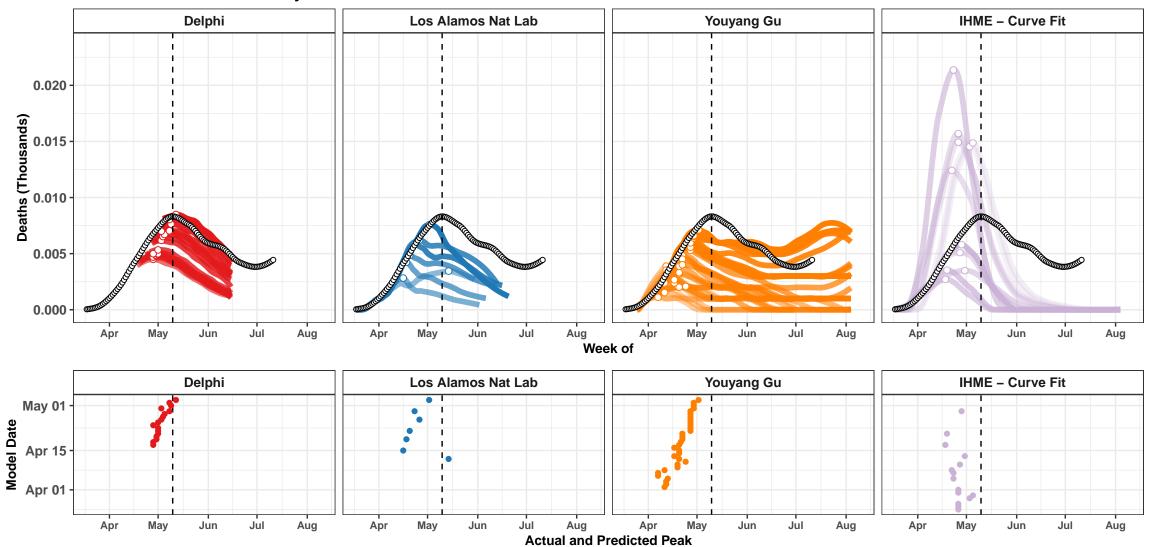
District of Columbia – Smoothed Daily Deaths



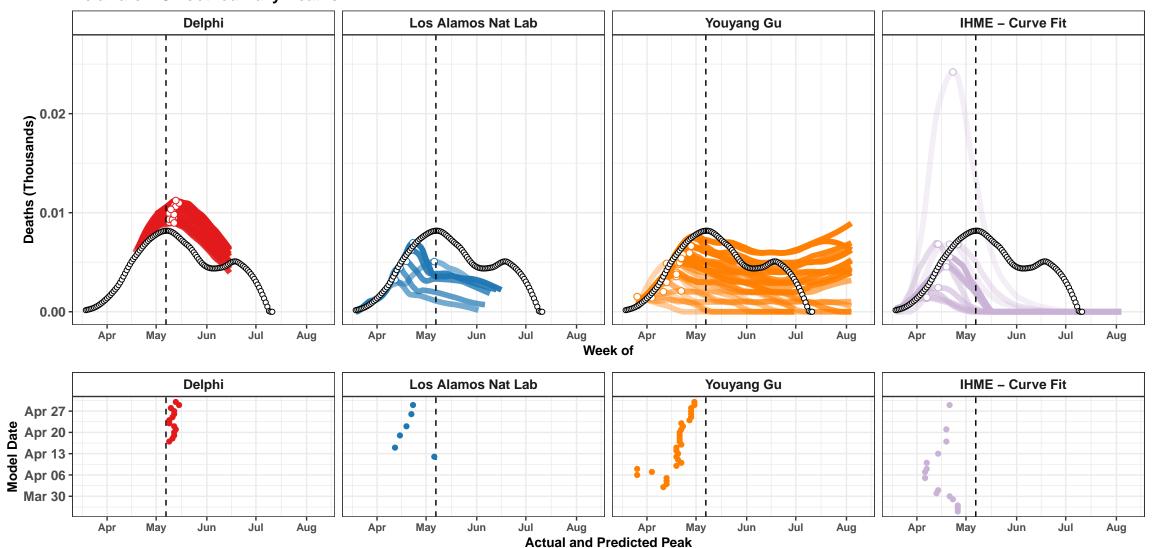
Armenia – Smoothed Daily Deaths



New Mexico – Smoothed Daily Deaths



Delaware – Smoothed Daily Deaths



Belarus – Smoothed Daily Deaths Los Alamos Nat Lab Youyang Gu **Imperial** Delphi 0.015 Deaths (Thousands) 0.000 Apr May Jun Jul Aug Sep Week of **Los Alamos Nat Lab** Delphi Youyang Gu Imperial Jun 01 May 15 May 01 Apr 15

May

Jun

Jul

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Apr

Actual and Predicted Peak

May

Jul

Jun

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May

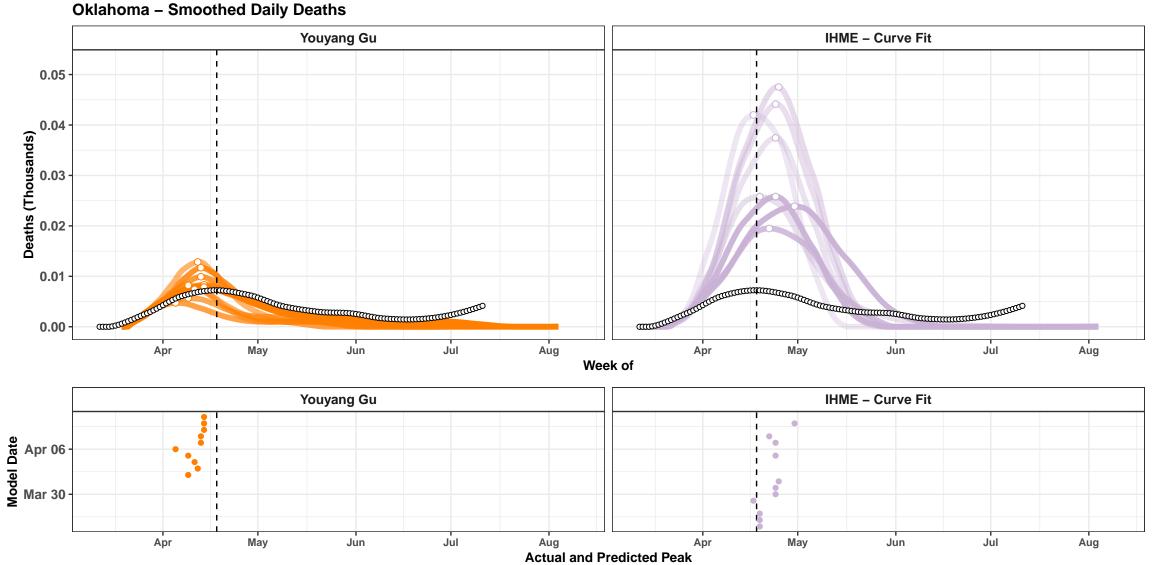
Apr

Jun

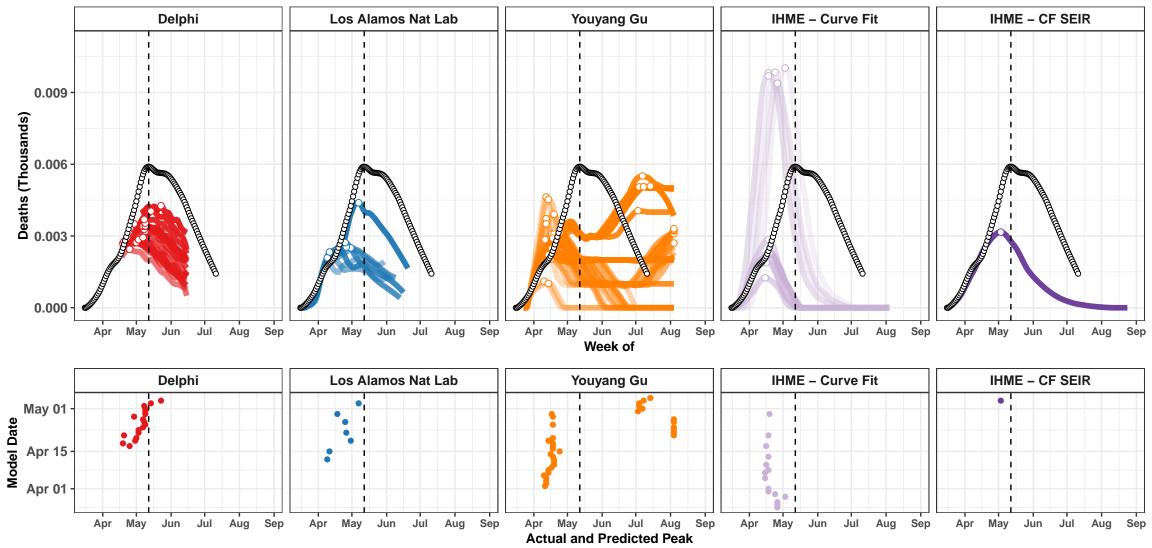
Jul

Sep

Aug



New Hampshire – Smoothed Daily Deaths



Kuwait – Smoothed Daily Deaths Delphi **Los Alamos Nat Lab** 0.03 Deaths (Thousands) 0.02 anamana anaman 0.00 -May Apr May Jun Jul Apr Jun Jul Week of Delphi **Los Alamos Nat Lab** May 18 May 11 May 04 Apr 27 Apr 20 -

Jul

Apr

Actual and Predicted Peak

Jun

Apr

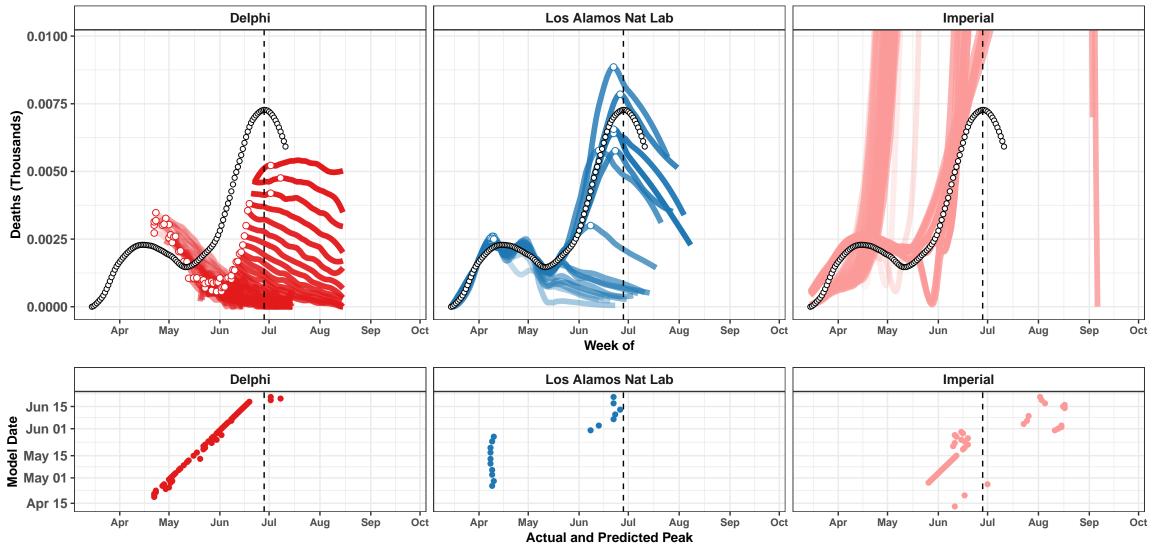
May

May

Jun

Jul

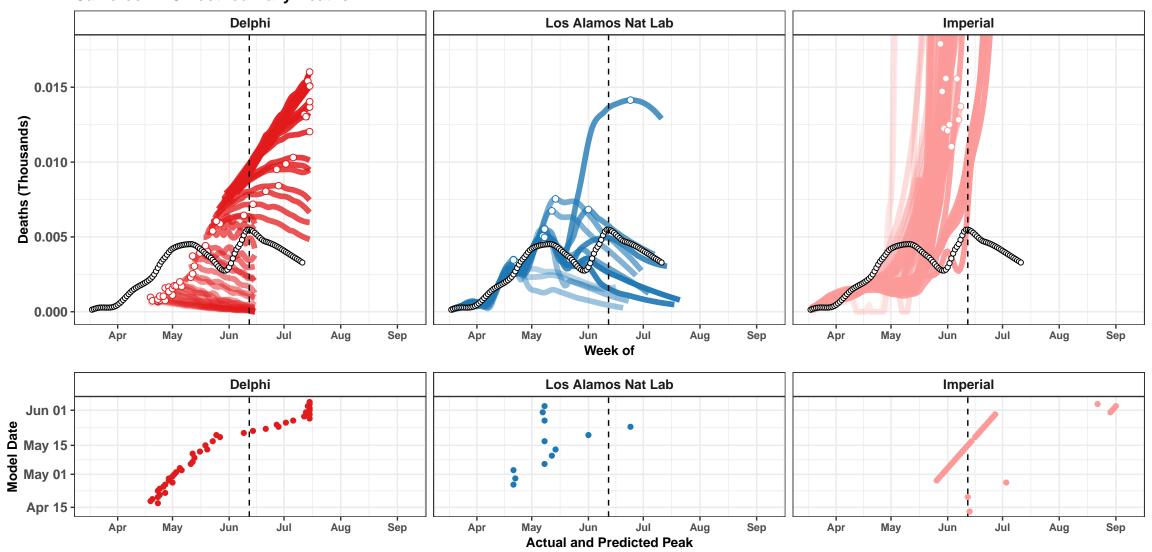
Macedonia – Smoothed Daily Deaths



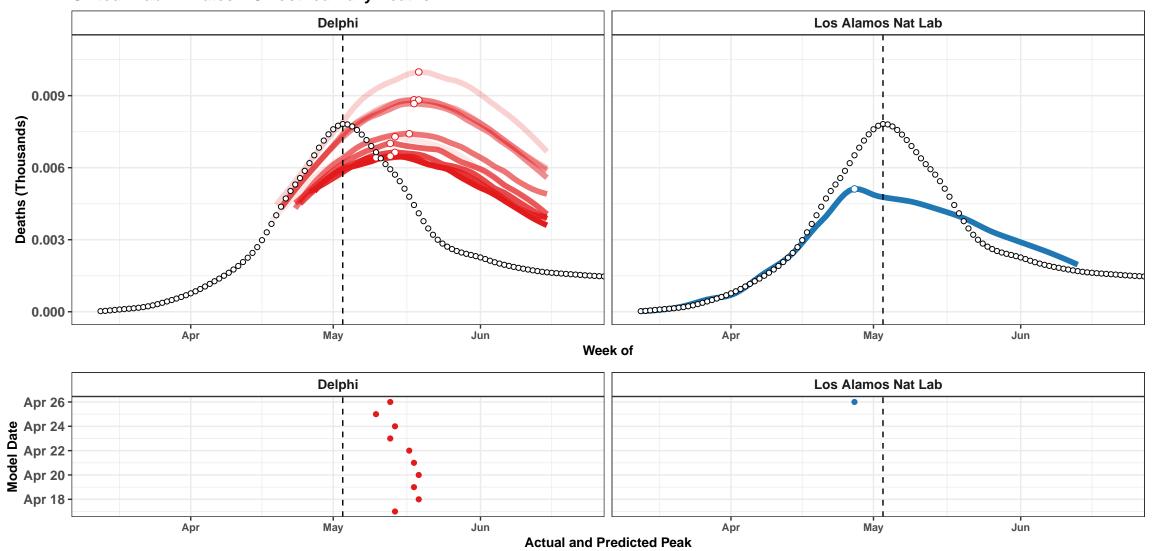
Yemen - Smoothed Daily Deaths Los Alamos Nat Lab Imperial Delphi 0 0.009 ,000,000,000 Deaths (Thousands) 0000000 0 0 0 0 0.000 May Jun Jul Aug Sep May Jun Jul Aug Sep May Jun Jul Aug Sep Week of Delphi **Los Alamos Nat Lab** Imperial May 15 **Jun 01** May 01 May Jun Jul Aug Sep May Jun Jul Aug Sep May Jun Jul Aug Sep

Actual and Predicted Peak

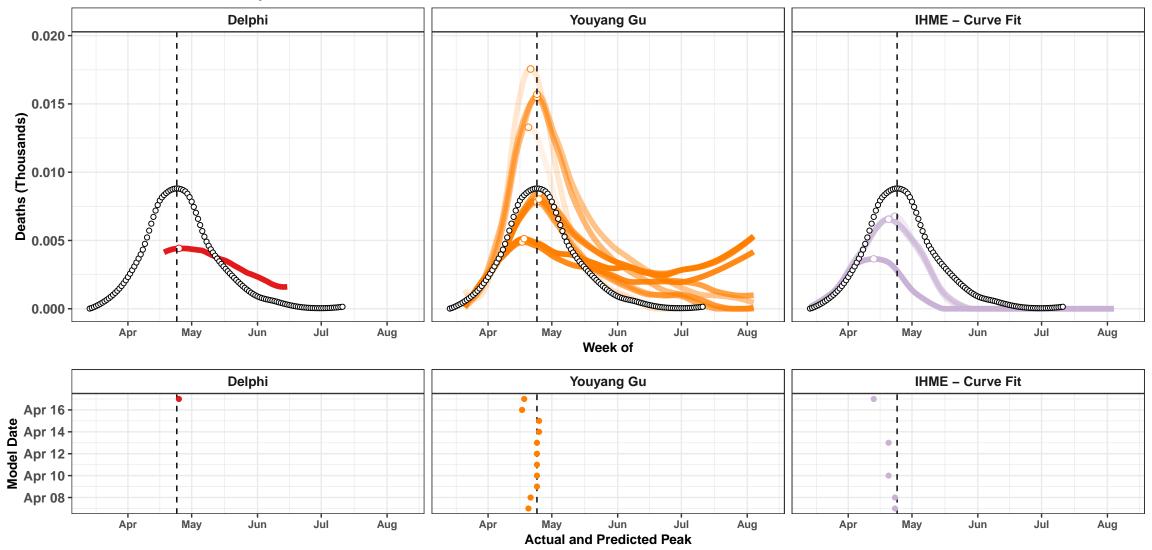
Cameroon – Smoothed Daily Deaths



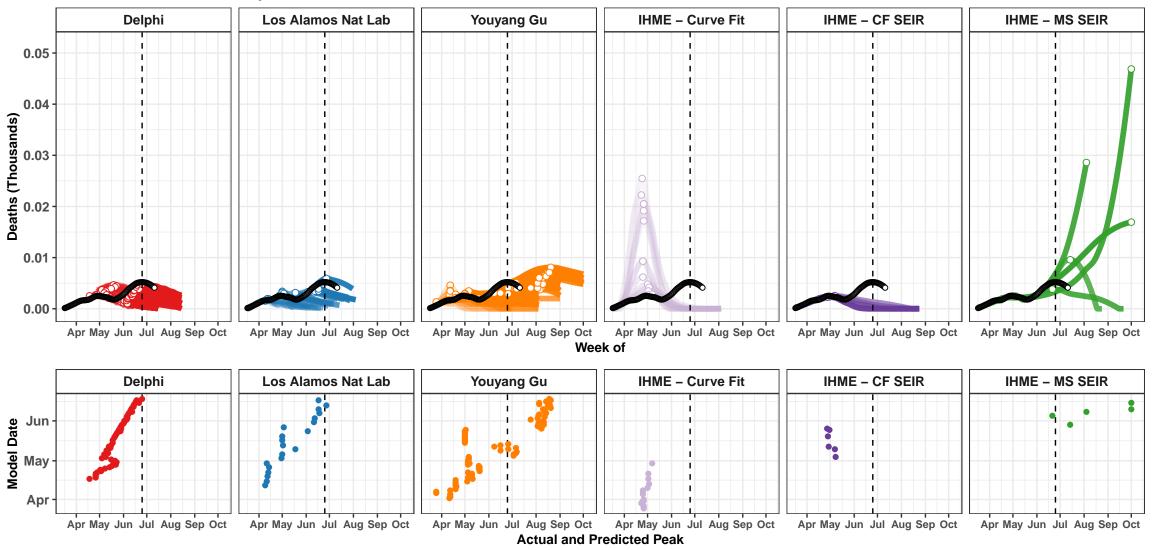
United Arab Emirates – Smoothed Daily Deaths



Finland – Smoothed Daily Deaths



Arkansas – Smoothed Daily Deaths



Kazakhstan – Smoothed Daily Deaths

