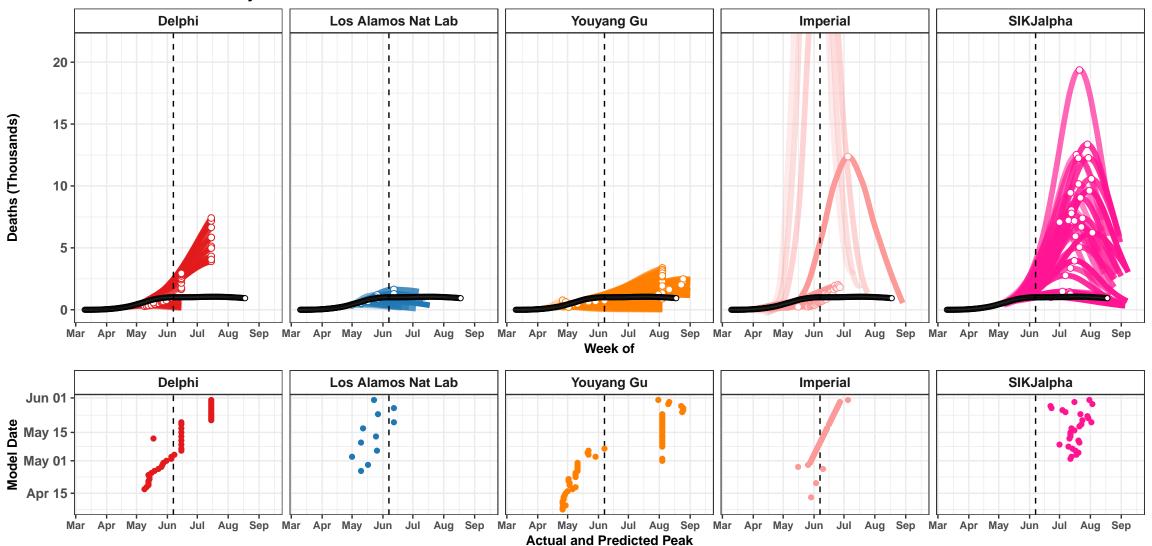
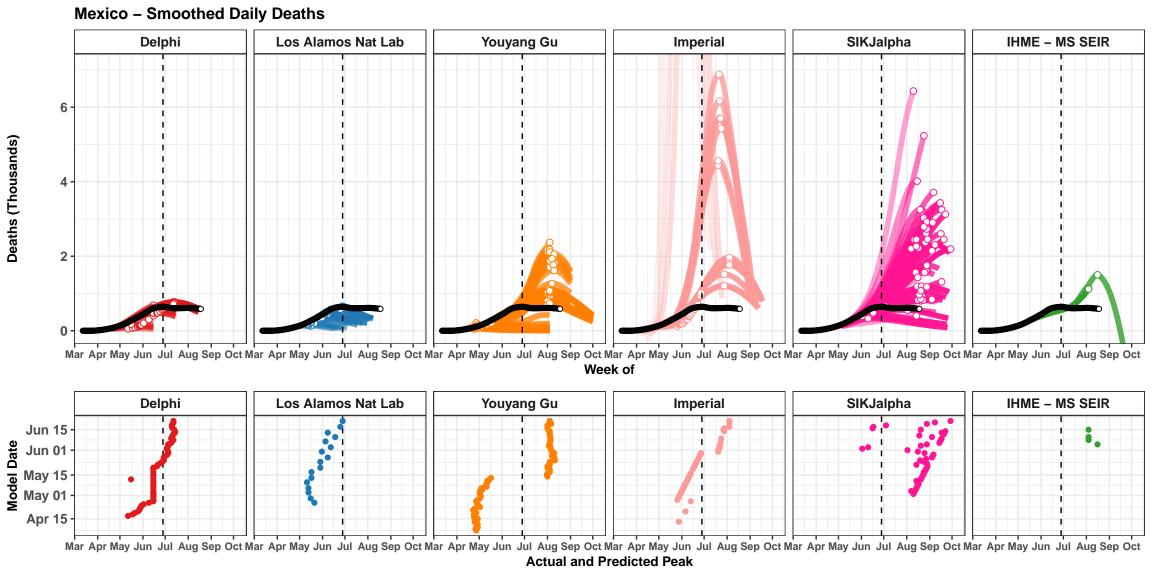
**United States – Smoothed Daily Deaths** Youyang Gu IHME - Curve Fit Deaths (Thousands) 0 -Apr Mar May Jun Jul Aug Mar Apr May Jun Jul Aug Week of IHME - Curve Fit Youyang Gu Apr 13 Model Date Date Mar 30 -Mar Apr May Jun Jul Aug Mar Apr May Jun Jul Aug **Actual and Predicted Peak** 

**Brazil - Smoothed Daily Deaths** 





**United Kingdom - Smoothed Daily Deaths** Youyang Gu IHME – Curve Fit Deaths (Thousands) May Mar Apr May Jun Jul Aug Mar Apr Jun Jul Aug Week of Youyang Gu IHME - Curve Fit Apr 07 Apr 06 - Og Apr 05 - Og Apr 04 -Apr 03 -Mar May Jun Jul Aug Mar Apr May Jun Jul Aug Apr **Actual and Predicted Peak** 

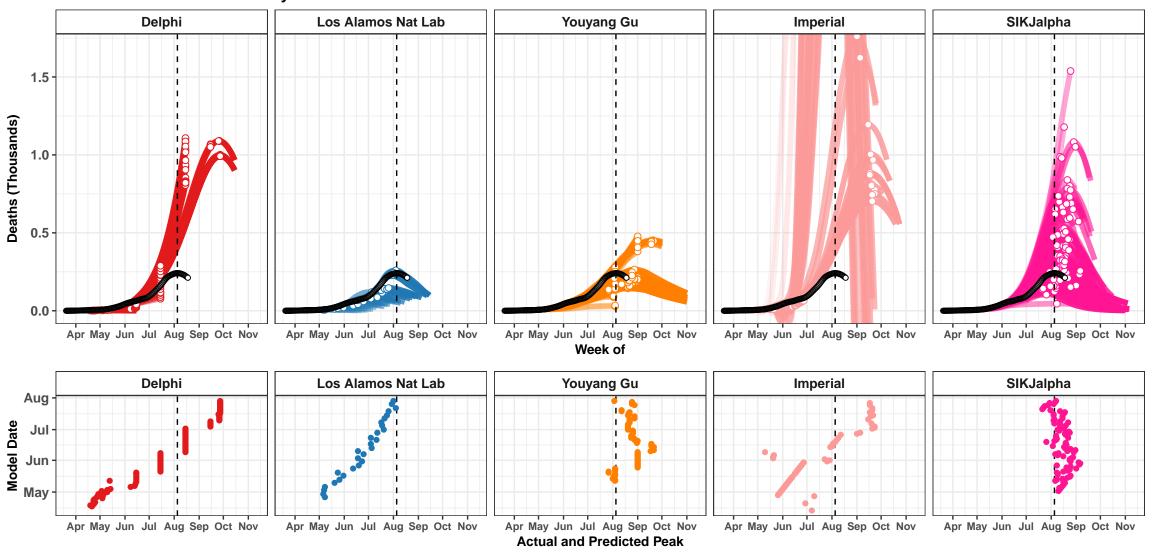
**New York – Smoothed Daily Deaths** Youyang Gu IHME - Curve Fit 0.75 Deaths (Thousands) 0.50 0.25 0.00 Mar Mar Apr Week of IHME - Curve Fit Youyang Gu Apr 05 Model Date Date Date Mar 30 Mar 28 Mar 26 Jul Mar Apr May Jun Aug Mar May Jun Jul Aug Apr **Actual and Predicted Peak** 

France - Smoothed Daily Deaths Youyang Gu 1.00 Jul 0.75 Deaths (Thousands) 0.50 0.25 0.00 Feb Mar Week of Youyang Gu Feb Mar Apr Jun Jul **Actual and Predicted Peak** 

**New Jersey – Smoothed Daily Deaths** Los Alamos Nat Lab Youyang Gu IHME – Curve Fit 0.4 Deaths (Thousands) 0.3 0.2 0.1 0.0 Mar Apr May Jun Jul Aug Mar Apr May Jun Jul Aug Mar Apr May Jun Jul Aug Week of Youyang Gu IHME – Curve Fit **Los Alamos Nat Lab** Apr 13 · Apr 06 · Apr 30 · Mar May Jun Jul Aug Mar Apr May Jun Jul Aug Mar May Jun Jul Aug Apr Apr **Actual and Predicted Peak** 

**Russian Federation – Smoothed Daily Deaths** Youyang Gu IHME - CF SEIR Delphi **Los Alamos Nat Lab** Imperial **SIKJalpha** 0.75 Deaths (Thousands) 0.50 0.25 0.00 Apr May Jun Jul Aug Sep Week of IHME - CF SEIR Delphi Los Alamos Nat Lab Youyang Gu Imperial **SIKJalpha** May 15 May 01 Apr 15 -Apr May Jun Jul Aug Sep Apr May Jun Jul Aug Sep **Actual and Predicted Peak** 

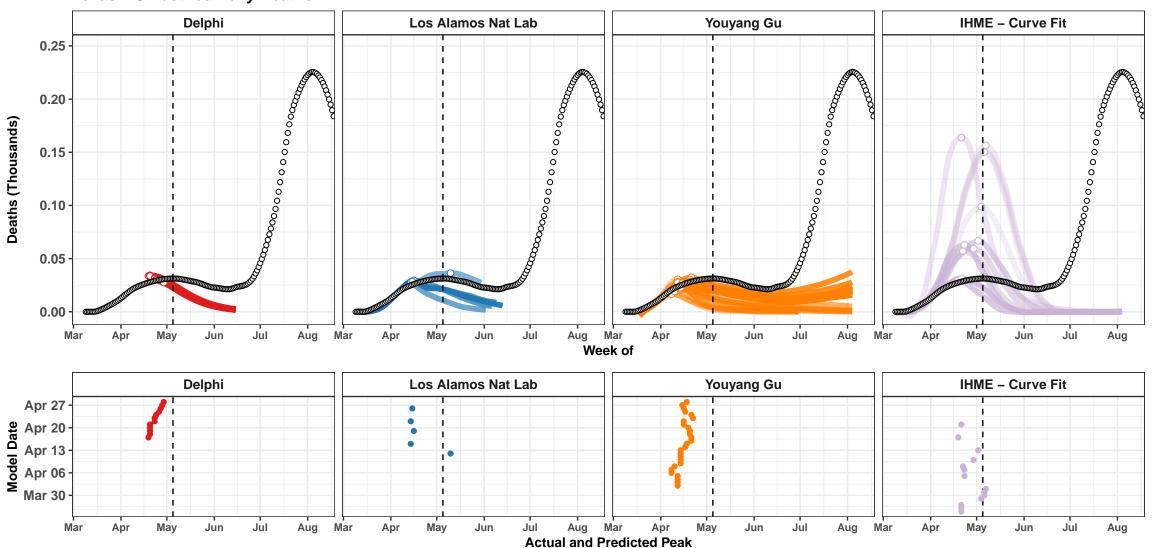
## South Africa – Smoothed Daily Deaths



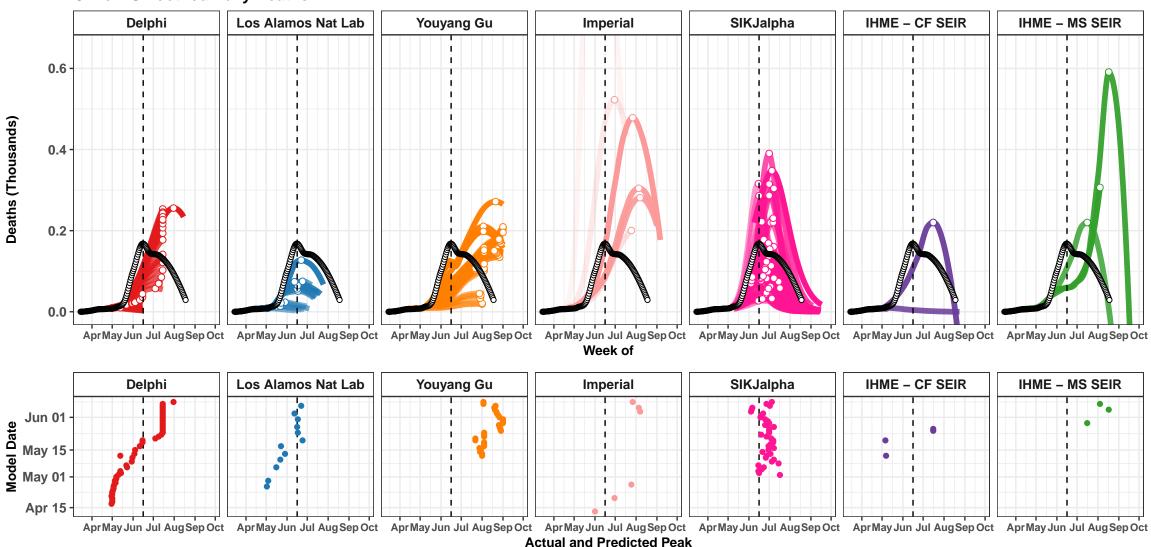
California - Smoothed Daily Deaths Youyang Gu IHME - Curve Fit Delphi Los Alamos Nat Lab 0.15 Deaths (Thousands) 0.10 0.05 0.00 Mar Apr May Jun Jul Aug Week of Youyang Gu IHME - Curve Fit Delphi **Los Alamos Nat Lab** Apr 20 Model Date

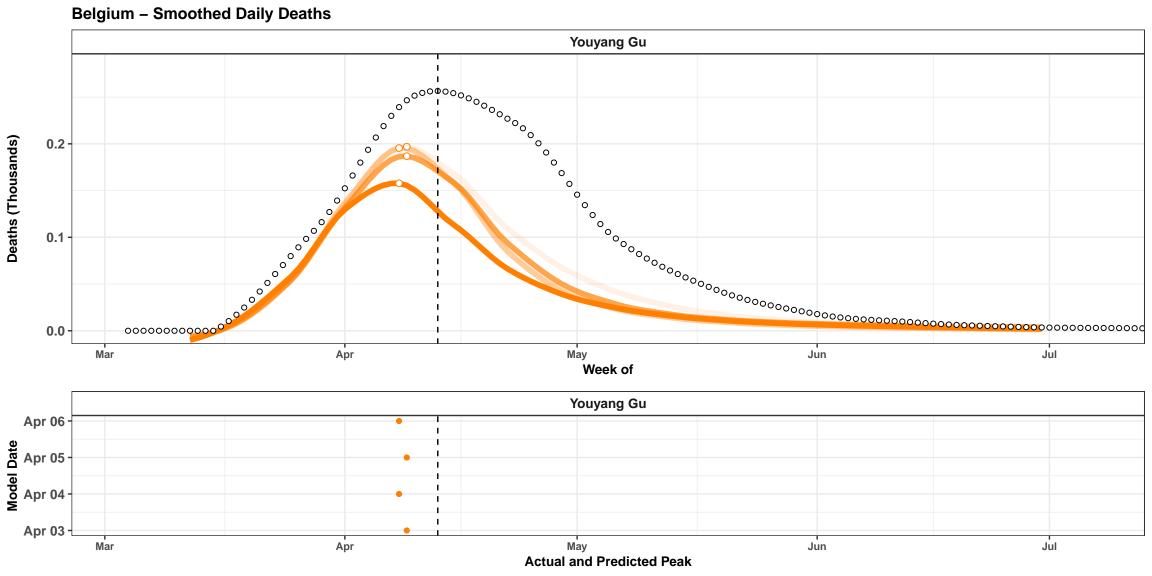
Apr 13 Mar May Mar May Jun Jul Aug Mar Apr May Jul Mar May Aug Apr Jun Jul Aug Apr Jun Aug Apr Jun Jul

**Texas – Smoothed Daily Deaths** 



**Chile – Smoothed Daily Deaths** 





Florida - Smoothed Daily Deaths Youyang Gu IHME - Curve Fit Delphi Los Alamos Nat Lab 0.20 Deaths (Thousands) 0.15 0.10 0.05 0.00 May Mar Apr May Jun Jul Aug Mar Apr May Jun Jul Aug Mar Apr Jun Jul Aug Mar Apr May Jun Jul Aug Week of Youyang Gu IHME - Curve Fit Delphi **Los Alamos Nat Lab** Apr 20 Mar 30 May Mar May May Jun Aug Mar Apr Jul Mar May Aug

Jun

Aug

Apr

Jun

Jul

Apr

Jun

Aug

Apr

**Germany – Smoothed Daily Deaths** Youyang Gu IHME – Curve Fit 0.3 Deaths (Thousands) 0.2 0.1 0.0 -Mar Apr May Jun Jul Aug Mar Apr May Jun Jul Aug Week of Youyang Gu IHME - Curve Fit Apr 07 Apr 06 - Apr 05 - Apr 04 -

Aug

Mar

**Actual and Predicted Peak** 

Apr

May

Jun

Jul

Aug

Apr 03 -

Mar

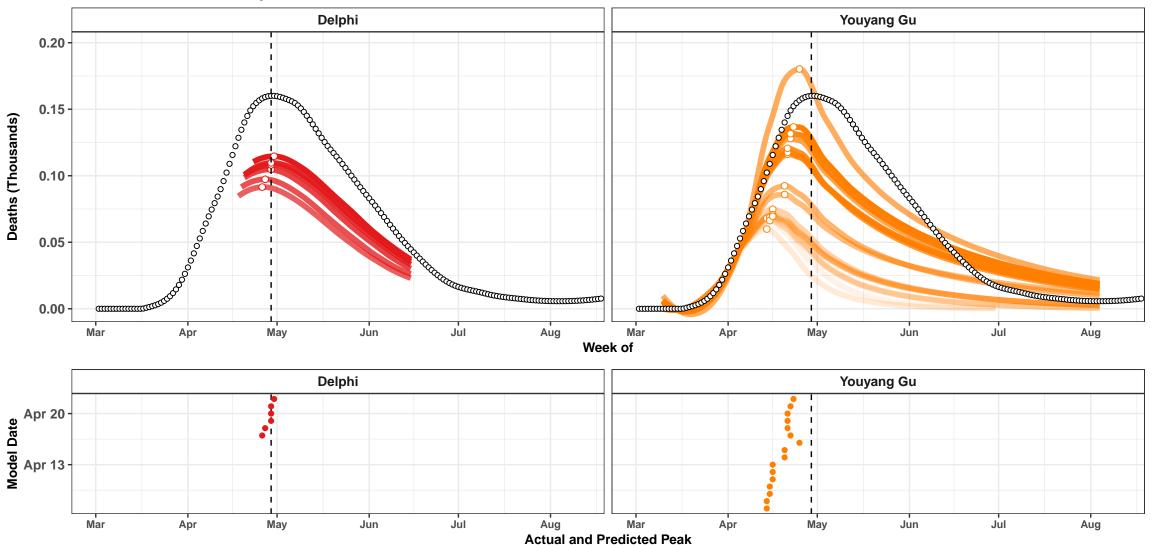
May

Apr

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Jul

Canada – Smoothed Daily Deaths



Massachusetts - Smoothed Daily Deaths Youyang Gu IHME – Curve Fit Delphi **Los Alamos Nat Lab** 0.3 Deaths (Thousands) 0.2 0.1 0.0 Apr May Jun Jul Aug Week of Youyang Gu IHME - Curve Fit Delphi Los Alamos Nat Lab Apr 20 • 1 Mar 30 May Jul Aug May Jun Jul Aug Apr May Jun Jul May Aug Apr Jun Apr Aug Apr Jun Jul **Actual and Predicted Peak** 

Illinois – Smoothed Daily Deaths **Los Alamos Nat Lab** Youyang Gu IHME – Curve Fit Delphi 0.15 Deaths (Thousands) 0.10 0.05 0.00 Apr May Jun Jul Aug Week of IHME - Curve Fit Delphi **Los Alamos Nat Lab** Youyang Gu Apr 27 Model Date Apr 20 Apr 13 Apr 06 Mar 30 Apr 06 Mar 30 Aug May Jul Aug Apr May Jul May Aug Apr May Jun Jul Apr Jun Jun Aug Apr Jun Jul **Actual and Predicted Peak** 

Pennsylvania – Smoothed Daily Deaths Youyang Gu IHME – Curve Fit Delphi Los Alamos Nat Lab 0.10 Deaths (Thousands) 0.05 0.00 Apr May Jun Jul Aug Week of Delphi Los Alamos Nat Lab Youyang Gu **IHME - Curve Fit** Apr 20 · Apr 13 · Apr 06 · Apr 06 · Mar 30 · Mar 30 May Aug May Aug Apr May Jun Jul Jul Aug Apr Jun Jul Apr Jun Jul Aug Apr May Jun **Actual and Predicted Peak** 

Michigan - Smoothed Daily Deaths Youyang Gu IHME – Curve Fit **Los Alamos Nat Lab** 0.20 0.15 Deaths (Thousands) 0.10 0.05 0.00 Apr May Jun Jul Aug Apr May Jun Jul Aug Apr May Jun Jul Aug Week of IHME – Curve Fit **Los Alamos Nat Lab** Youyang Gu Apr 13 Model Date Mar 30 -

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**Actual and Predicted Peak** 

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Aug

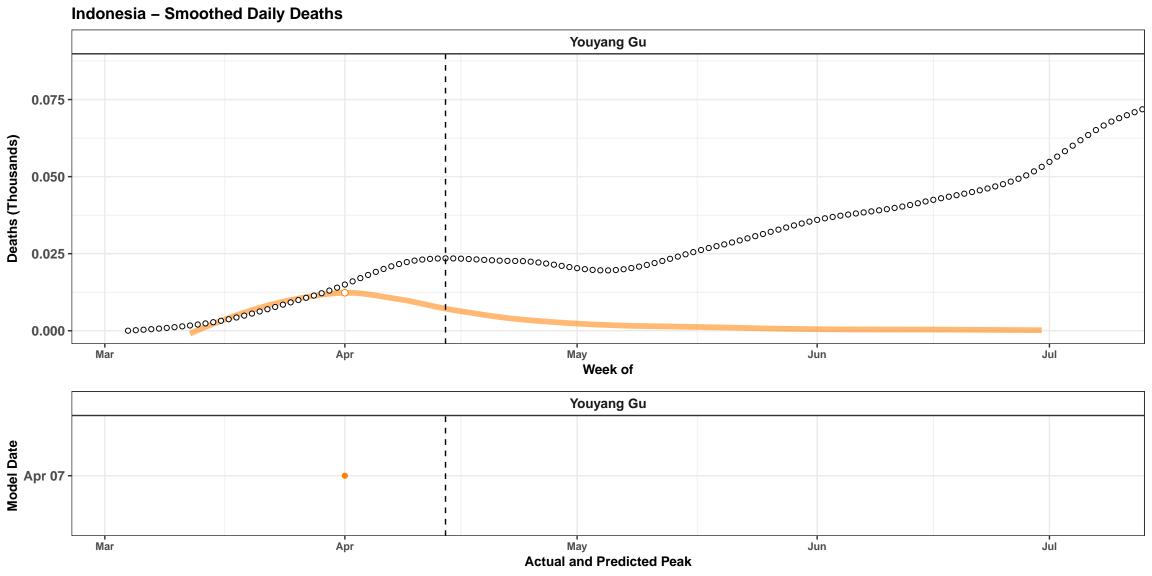
May

Apr

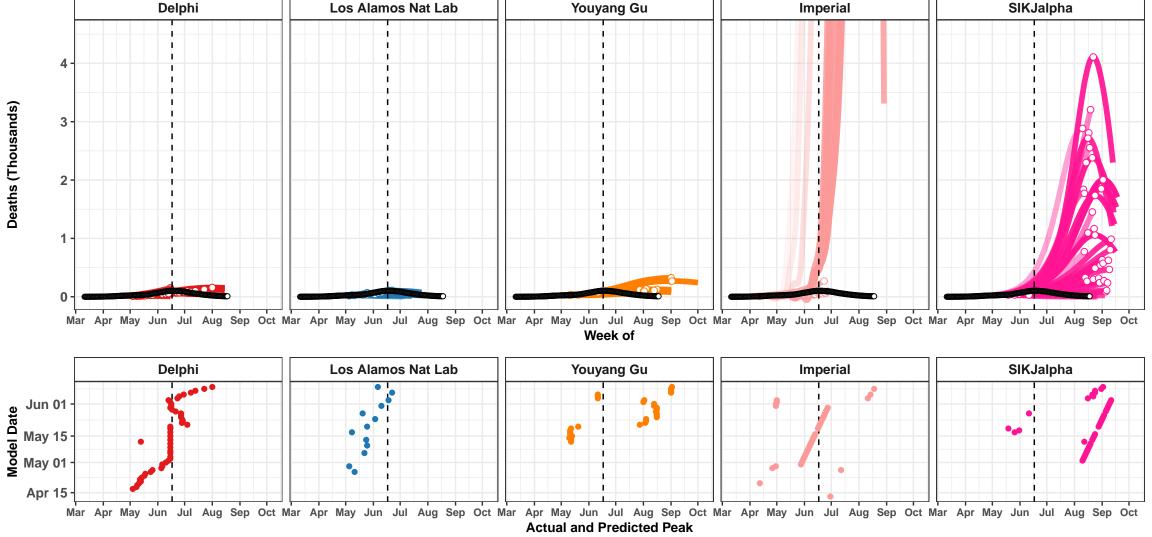
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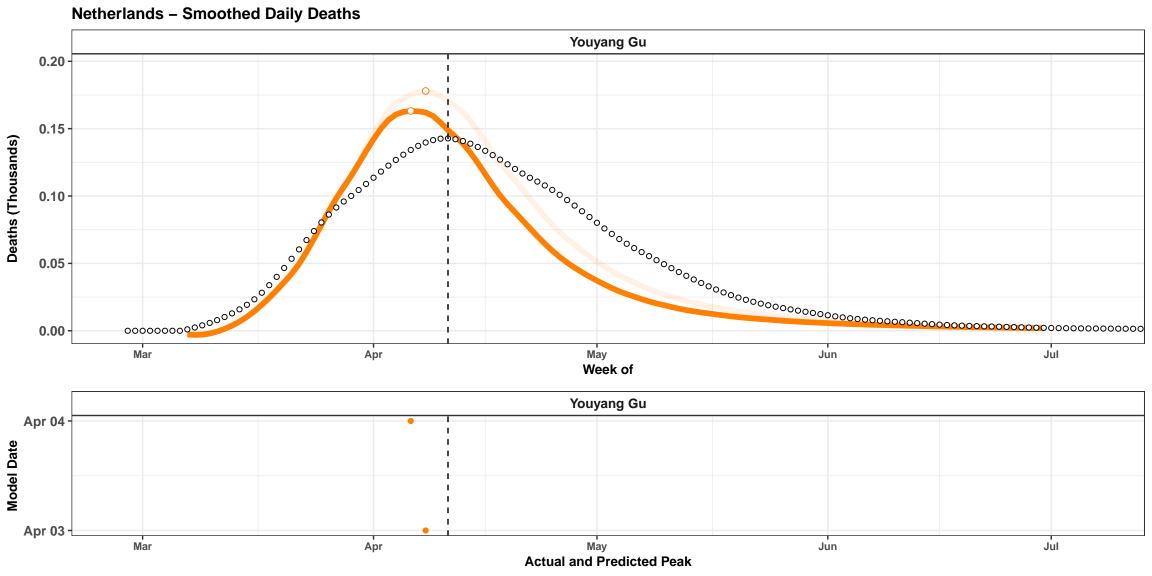
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Aug

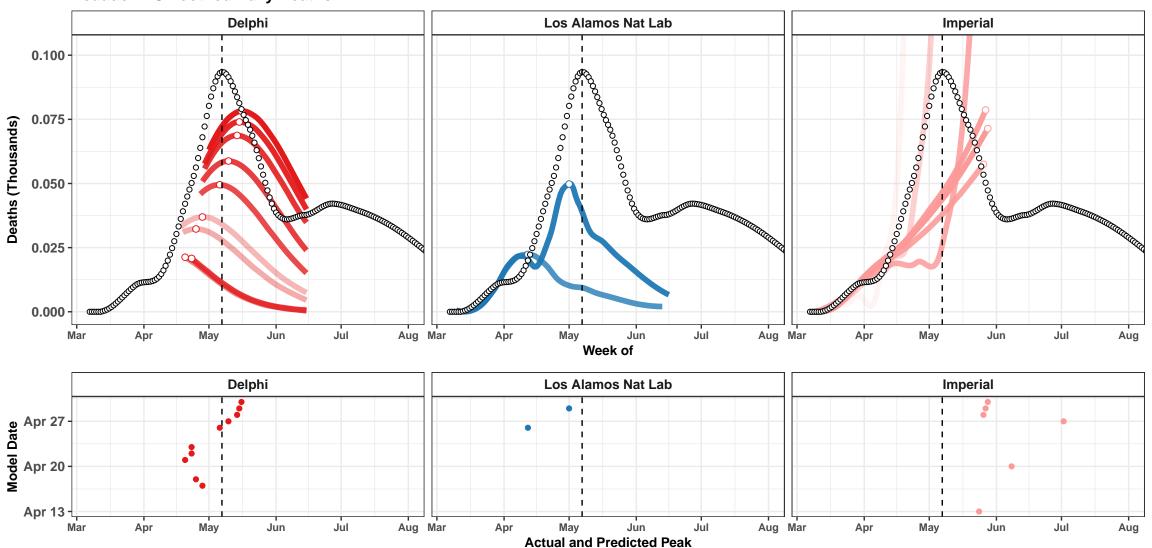


## Pakistan – Smoothed Daily Deaths





**Ecuador – Smoothed Daily Deaths** 



**Iraq – Smoothed Daily Deaths** Delphi **Los Alamos Nat Lab Imperial** SIKJalpha IHME - MS SEIR 6 Deaths (Thousands) Mar Apr May Jun Jul Aug Sep Oct Week of Delphi Los Alamos Nat Lab Imperial **SIKJalpha** IHME - MS SEIR Jul Model Date
Model Date

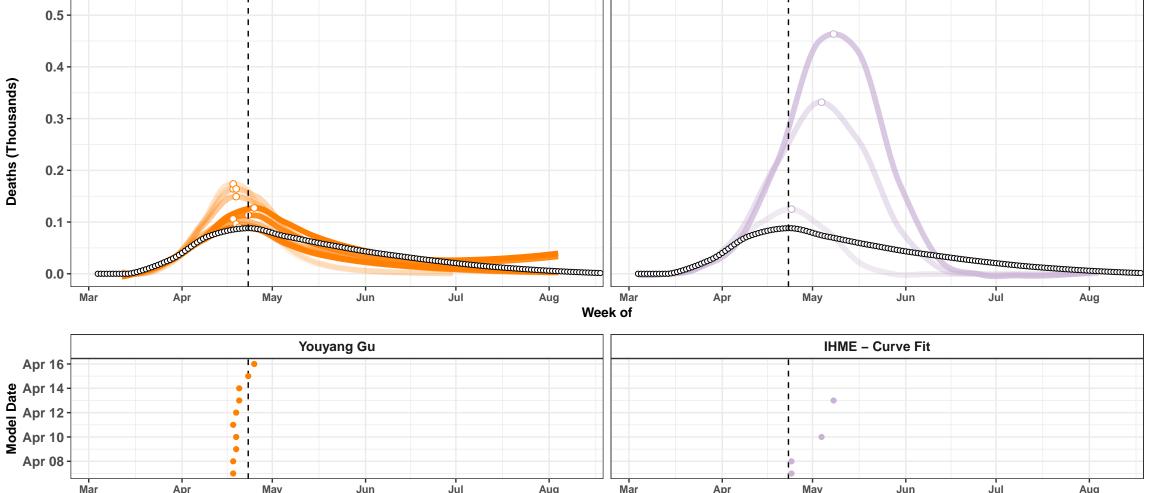
Mar Apr May Jun Jul Aug Sep Oct

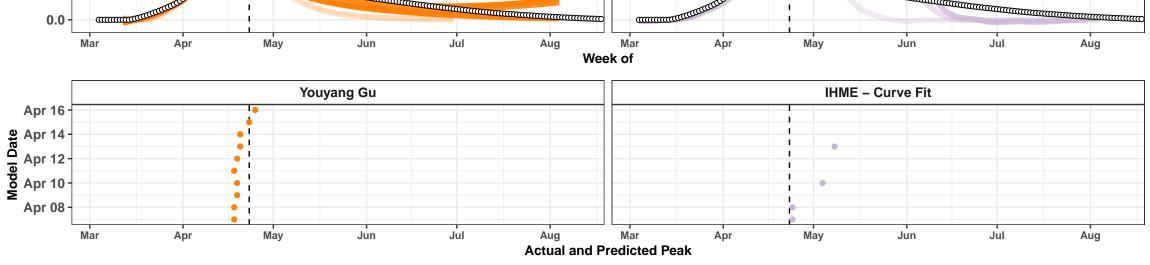
**Actual and Predicted Peak** 

Mar Apr May Jun Jul Aug Sep Oct

**Turkey - Smoothed Daily Deaths** Youyang Gu Imperial 0.12 -0.09 Deaths (Thousands) 0.06 0.03 0.00 -Apr May Jun Jul Aug Apr May Jun Jul Aug Week of Youyang Gu Imperial Model Date
Apr 10 -Apr May Jun Jul Aug Apr May Jun Jul Aug

**Sweden – Smoothed Daily Deaths** Youyang Gu IHME - Curve Fit 0.5 0.4 0.3 -





**Egypt – Smoothed Daily Deaths** Los Alamos Nat Lab Youyang Gu **SIKJalpha** IHME - CF SEIR IHME - MS SEIR Delphi **Imperial** Deaths (Thousands) MarAprMayJunJulAugSepOct MarAprMayJunJulAugSep Week of IHME - CF SEIR IHME - MS SEIR Delphi Los Alamos Nat Lab Youyang Gu **SIKJalpha Imperial Jun 15** Date Jun 01 May 15 May 01 Apr 15 MarAprMayJunJulAugSepOct MarAprMayJunJulAugSep **Actual and Predicted Peak** 

**Georgia – Smoothed Daily Deaths** Youyang Gu IHME - Curve Fit Delphi Los Alamos Nat Lab 0.12 0.09 Deaths (Thousands) 0.06 0.03 0.00 Mar Apr May Jun Jul Aug Week of Youyang Gu IHME - Curve Fit Delphi Los Alamos Nat Lab Apr 13

Aug

Mar

**Actual and Predicted Peak** 

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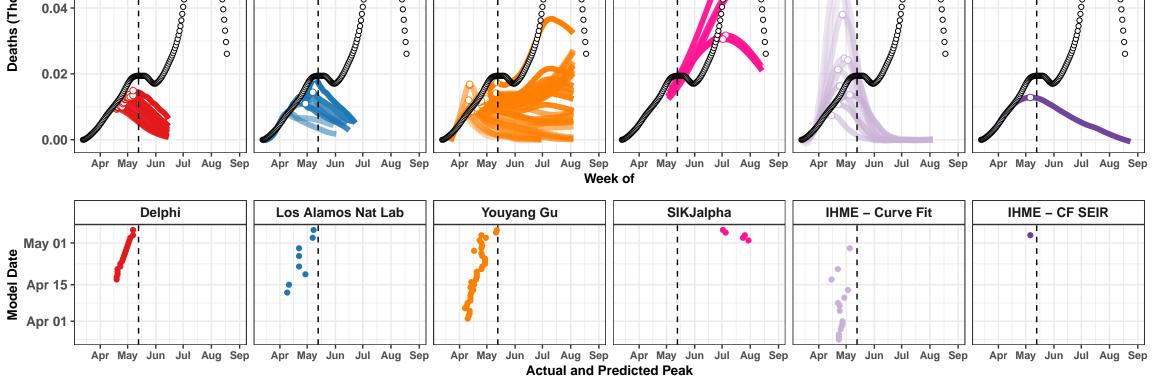
May

Apr

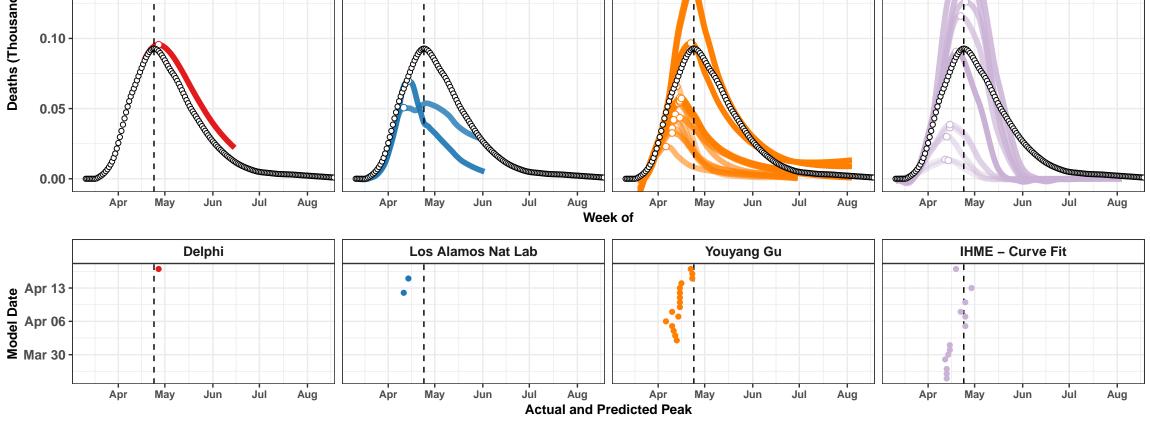
Jun

**Louisiana – Smoothed Daily Deaths** Youyang Gu IHME - Curve Fit 0.100 0.075 Deaths (Thousands) the day the total and the tota 0.050 0.025 0.000 Mar Jun Jul Mar Apr May Jun Jul Aug Apr May Aug Week of IHME - Curve Fit Youyang Gu Model Date Mar 30 Jul Mar Jun Apr May Aug Mar May Jun Jul Aug Apr

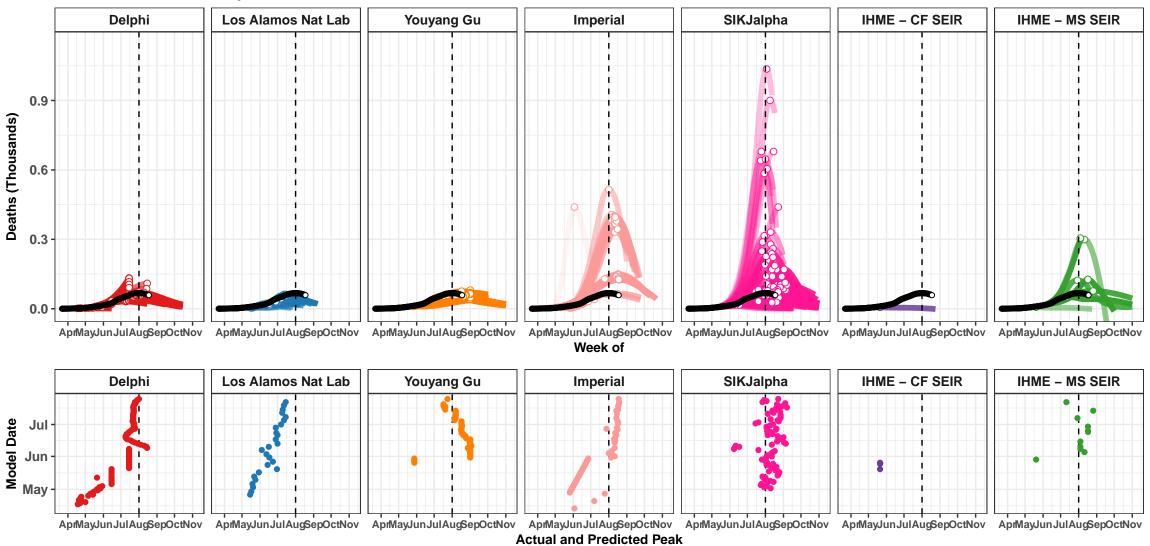
**Arizona – Smoothed Daily Deaths** IHME - Curve Fit Delphi Los Alamos Nat Lab Youyang Gu SIKJalpha **IHME - CF SEIR** 0.08 0.06 Deaths (Thousands) 0.04 0 0 0 0 0 0 0.02 0.00



**Connecticut – Smoothed Daily Deaths Los Alamos Nat Lab** Youyang Gu IHME - Curve Fit Delphi 0.15 Deaths (Thousands) 0.10 0.05 0.00 Apr May Jun Jul Aug Week of Youyang Gu IHME - Curve Fit Delphi Los Alamos Nat Lab

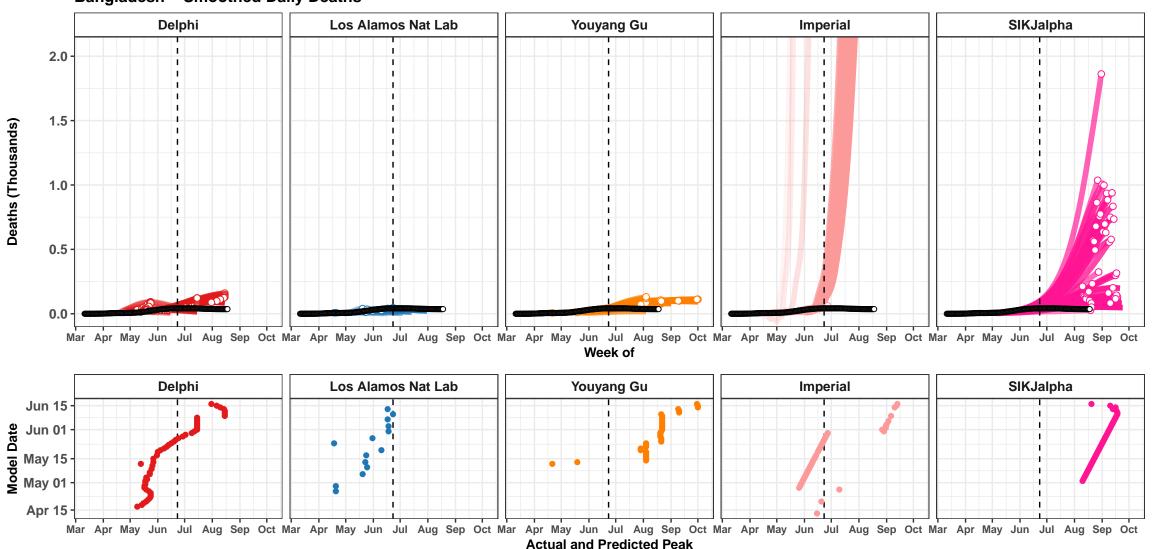


## **Bolivia - Smoothed Daily Deaths**



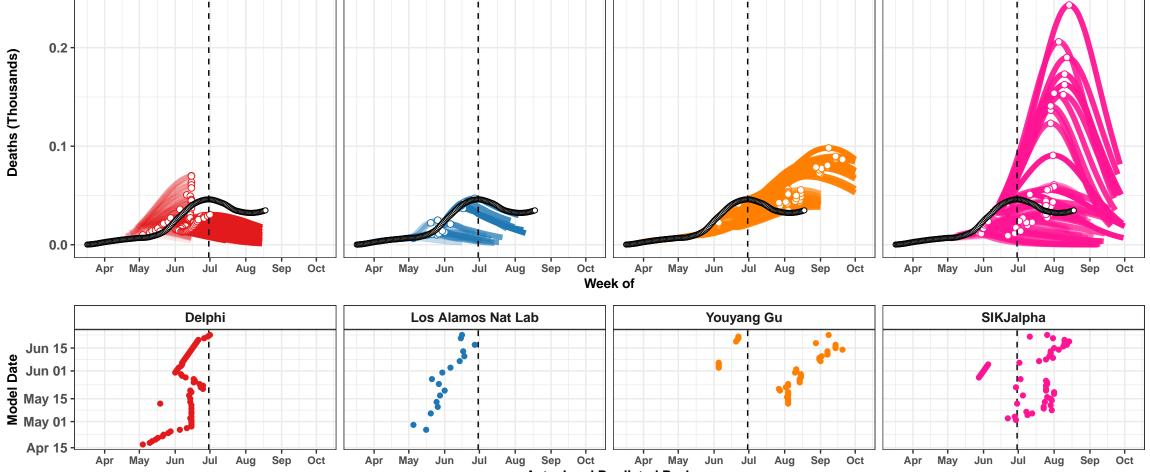
**Ohio – Smoothed Daily Deaths Los Alamos Nat Lab** Youyang Gu IHME - Curve Fit Delphi 0.075 Deaths (Thousands) 0.050 0.025 0.000 Aug Apr May Jun Jul Apr May Jun Jul Aug Apr May Jun Jul Aug Apr May Jun Jul Aug Week of **Los Alamos Nat Lab** Youyang Gu IHME - Curve Fit Delphi Apr 27 Apr 20
Apr 13
Apr 06
Mor 20 Mar 30 May Aug May Jul Aug Apr May Jun Jul May Jul Aug Apr Jun Jul Apr Jun Aug Apr Jun **Actual and Predicted Peak** 

**Bangladesh – Smoothed Daily Deaths** 



Maryland - Smoothed Daily Deaths Youyang Gu IHME - Curve Fit Delphi **Los Alamos Nat Lab** 0.100 0.075 Deaths (Thousands) 0.050 0.025 0.000 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 Aug Apr May Jun Jul Jul Aug Apr Jun Jul Apr Jun Jul Aug Apr May Jun **Actual and Predicted Peak** 

Saudi Arabia - Smoothed Daily Deaths Youyang Gu SIKJalpha Delphi **Los Alamos Nat Lab** 0.2



**Actual and Predicted Peak** 

**Indiana – Smoothed Daily Deaths Los Alamos Nat Lab** Youyang Gu IHME - Curve Fit Delphi 0.100 0.075 Deaths (Thousands) 0.050 0.025 0.000 Aug Mar Apr May Jun Jul Week of Youyang Gu IHME - Curve Fit Delphi Los Alamos Nat Lab Apr 20 Apr 13 Apr 06 Mar 30 Mar May Aug Mar May Jun Aug Mar Apr May Jul Mar May Aug Apr Jun Jul Apr Jun Aug Apr Jun Jul

**Actual and Predicted Peak** 

**Romania – Smoothed Daily Deaths** Youyang Gu **Imperial** IHME - Curve Fit Delphi 0.04 Deaths (Thousands) 0.02 0.00 Apr May Jun Jul Aug Week of Youyang Gu IHME - Curve Fit Delphi **Imperial** Apr 20 Model Date
Apr 13 May May Jul Aug Jul Aug Apr May Jun Jul Aug Aug Apr Jun Apr Jun Apr May Jun Jul **Actual and Predicted Peak** 

**Philippines – Smoothed Daily Deaths** Youyang Gu Feb Mar Apr M-0.05 0.04 Deaths (Thousands) 0.03 0.02 0.01 0.00 Apr 10 Model Date
Apr 09 Apr 07 Feb Mar Apr May Jun Jul Aug **Actual and Predicted Peak** 

North Carolina - Smoothed Daily Deaths Youyang Gu IHME - Curve Fit Delphi **Los Alamos Nat Lab** 0.08 0.06 Deaths (Thousands) 0.04 0.02 0.00 Apr May Jun Jul Aug Week of Youyang Gu IHME - Curve Fit Delphi **Los Alamos Nat Lab** Apr 20 Model Date

Apr 20:

Mar 30:

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**Actual and Predicted Peak** 

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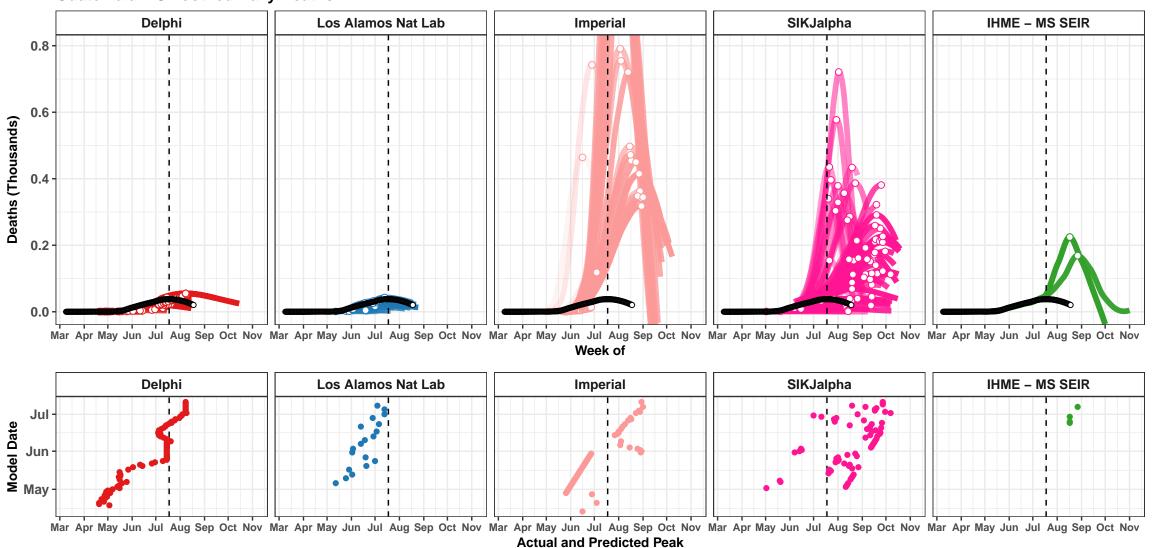
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Jun

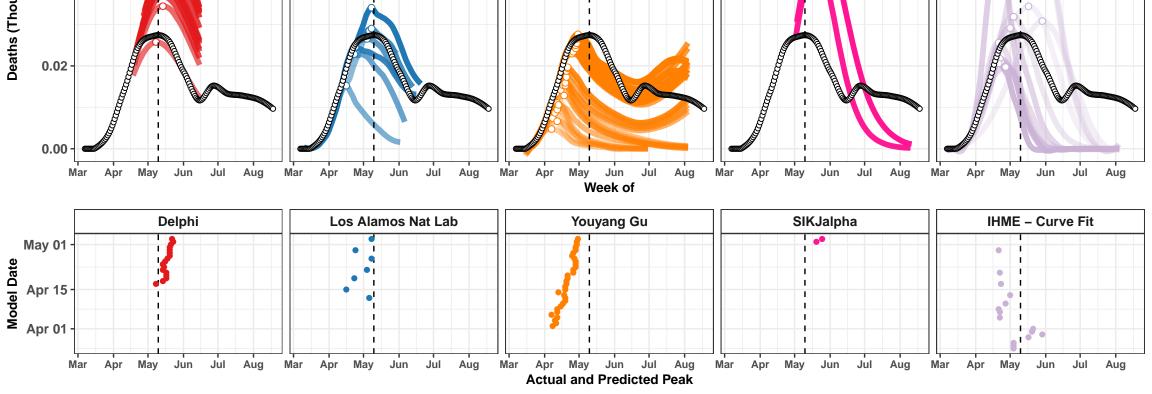
May

Apr

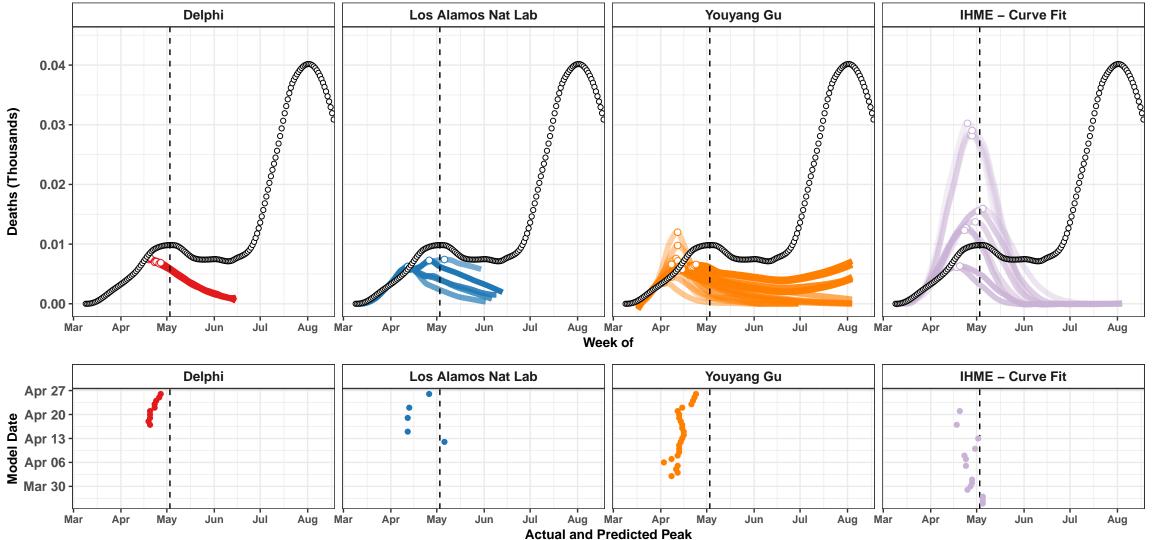
**Guatemala – Smoothed Daily Deaths** 



**Virginia – Smoothed Daily Deaths** Youyang Gu SIKJalpha IHME - Curve Fit Delphi Los Alamos Nat Lab 0.06 Deaths (Thousands) 0.04 0.02 0.00



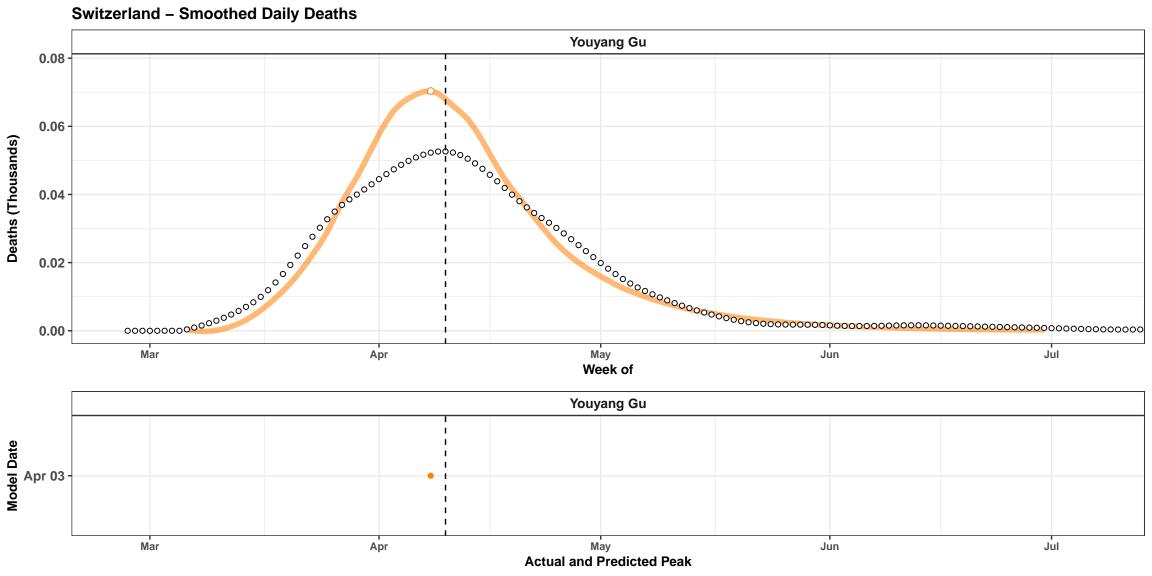
South Carolina – Smoothed Daily Deaths



**Ukraine – Smoothed Daily Deaths** Delphi Los Alamos Nat Lab Youyang Gu Imperial **SIKJalpha** IHME - CF SEIR 0.04 Deaths (Thousands) 0.02 0.00 Week of SIKJalpha Delphi Los Alamos Nat Lab Youyang Gu **IHME - CF SEIR Imperial** May 11 May 04 of Apr 27 of Apr 20 Apr 13 · 

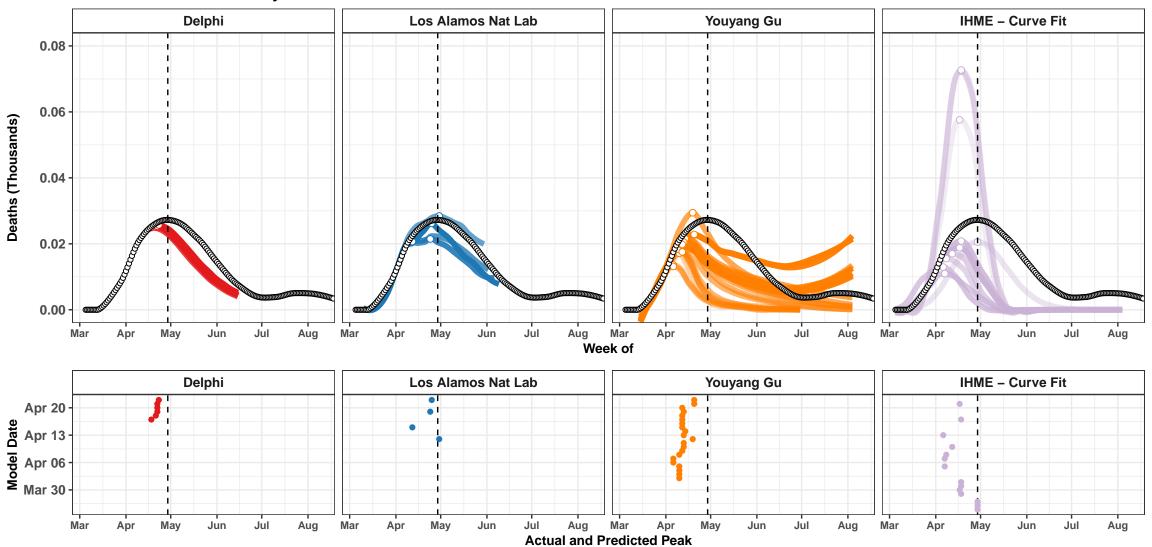
**Actual and Predicted Peak** 

Mississippi – Smoothed Daily Deaths IHME - Curve Fit IHME - CF SEIR Delphi Los Alamos Nat Lab Youyang Gu SIKJalpha 0.075 Deaths (Thousands) 0.050 0.025 0.000 Apr May Jun Jul Aug Sep Week of Delphi Los Alamos Nat Lab Youyang Gu SIKJalpha IHME - Curve Fit IHME - CF SEIR May 01 -Apr 01 Apr May Jun Jul Aug Sep **Actual and Predicted Peak** 



Alabama – Smoothed Daily Deaths **Los Alamos Nat Lab** Youyang Gu IHME - Curve Fit Delphi 0.3 Deaths (Thousands) 0.2 0.1 0.0 Apr May Jun Jul Aug Week of Youyang Gu IHME - Curve Fit Delphi Los Alamos Nat Lab Apr 27 Apr 20 Apr 13 Apr 06 Apr 06 Mar 30 May Jul Aug May Jul Aug Apr May Jun Jul May Jul Aug Apr Jun Apr Jun Aug Apr Jun **Actual and Predicted Peak** 

**Colorado – Smoothed Daily Deaths** 



**Poland – Smoothed Daily Deaths** Youyang Gu IHME - Curve Fit Delphi 0.06 Deaths (Thousands) 0.04 0.02 0.00 Mar Apr May Jun Jul Aug Mar Apr May Jun Jul Aug Mar Apr May Jun Jul Aug Week of IHME – Curve Fit Delphi Youyang Gu Apr 16 Apr 14 - Apr 12 - Apr 10 -Apr 08

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Apr

May

Jun

**Actual and Predicted Peak** 

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**Washington – Smoothed Daily Deaths** IHME - Curve Fit Youyang Gu 0.03 Deaths (Thousands) 0.02 0.01 0.00 -Jun Mar Apr May Jul Aug Mar Apr May Jun Jul Aug Week of IHME - Curve Fit Youyang Gu Apr 03 Model Date Mar 30 Mar 28 Mar 26 Mar Apr May Jun Jul Aug Mar Apr May Jun Jul Aug **Actual and Predicted Peak** 

**Panama – Smoothed Daily Deaths** Imperial Delphi 0.03 Deaths (Thousands) 0.02 0.01 0.00 Jul Mar Apr May Jun Mar Apr May Jun Jul Week of Imperial Delphi Apr 17 Model Date Date Apr 16 - 21 Apr 14 -Apr 13 -

Mar

**Actual and Predicted Peak** 

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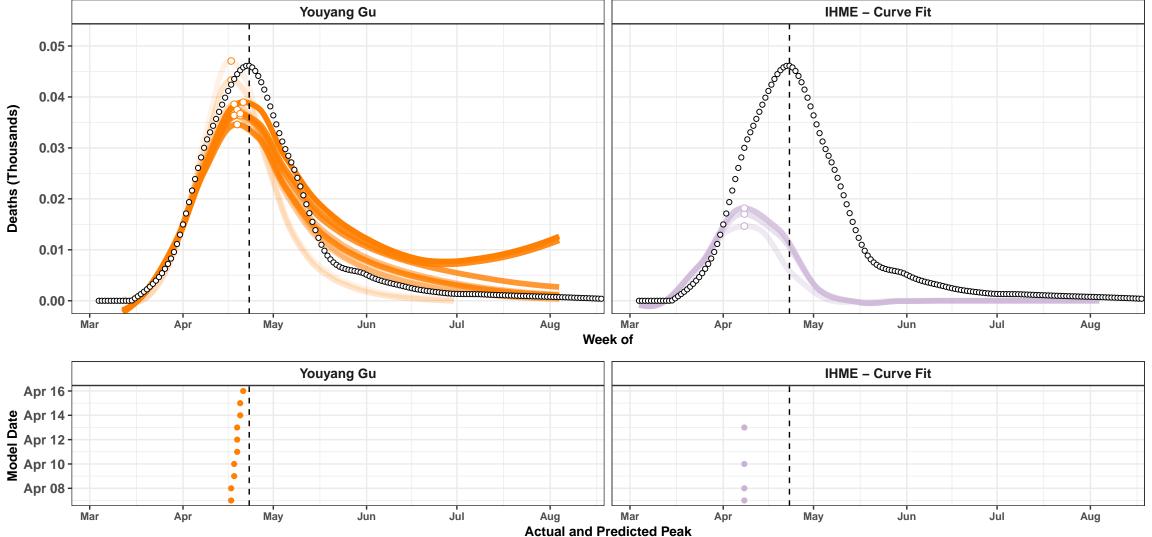
May

Jun

Jul

Ireland – Smoothed Daily Deaths

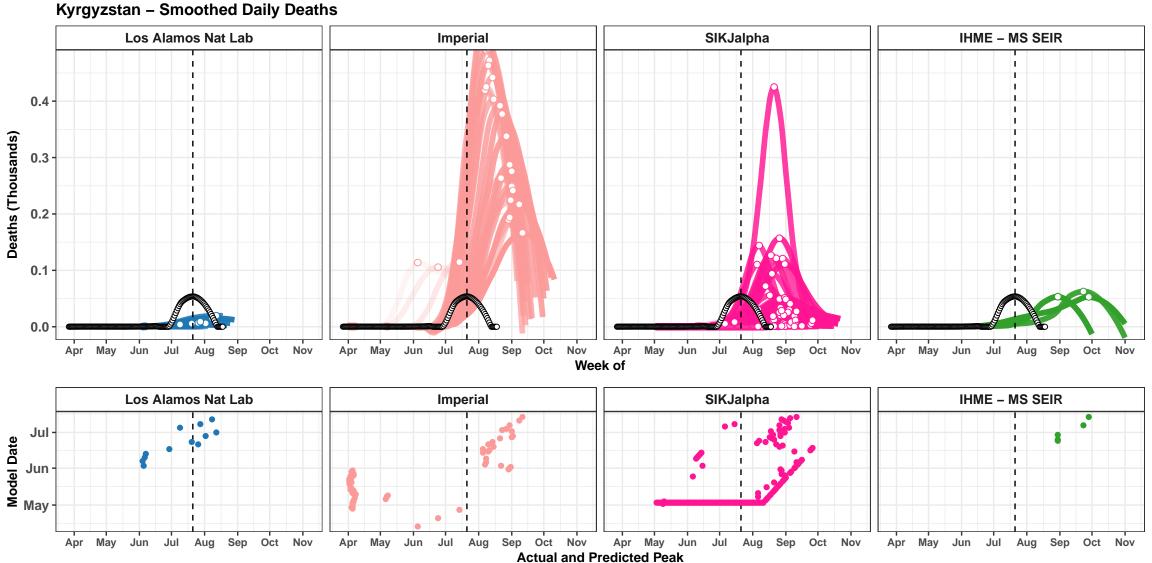
Youvang G



**Minnesota – Smoothed Daily Deaths** IHME - Curve Fit Delphi **Los Alamos Nat Lab** Youyang Gu SIKJalpha IHME - CF SEIR 1.00 Deaths (Thousands) 0.75 0.50 0.25 0.00 Apr May Jun Jul Aug Sep Week of Delphi Los Alamos Nat Lab Youyang Gu SIKJalpha IHME - Curve Fit **IHME - CF SEIR** May 01 **Model Date** Apr 15 Apr 01 Apr May Jun Jul Aug Sep Apr May Jun **Actual and Predicted Peak** 

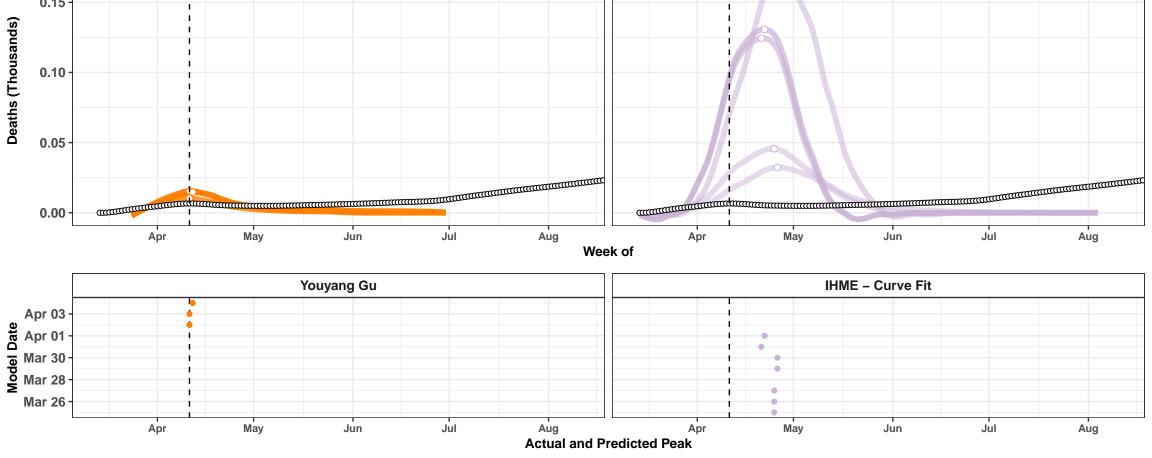
**Honduras – Smoothed Daily Deaths Los Alamos Nat Lab** IHME - CF SEIR Delphi Youyang Gu **Imperial SIKJalpha** IHME - MS SEIR Deaths (Thousands) AprMayJunJulAugSepOctNov AprMayJunJulAugSepOctNov AprMayJunJulAugSepOctNov AprMayJunJulAugSepOctNov AprMayJunJulAugSepOctNov AprMayJunJulAugSepOctNov AprMayJunJulAugSepOctNov Week of SIKJalpha Delphi Los Alamos Nat Lab Youyang Gu IHME - CF SEIR IHME - MS SEIR **Imperial** Model Date May AprMayJunJulAugSepOctNov AprMayJunJulAugSepOctNov AprMayJunJulAugSepOctNov AprMayJunJulAugSepOctNov AprMayJunJulAugSepOctNov AprMayJunJulAugSepOctNov AprMayJunJulAugSepOctNov

Actual and Predicted Peak

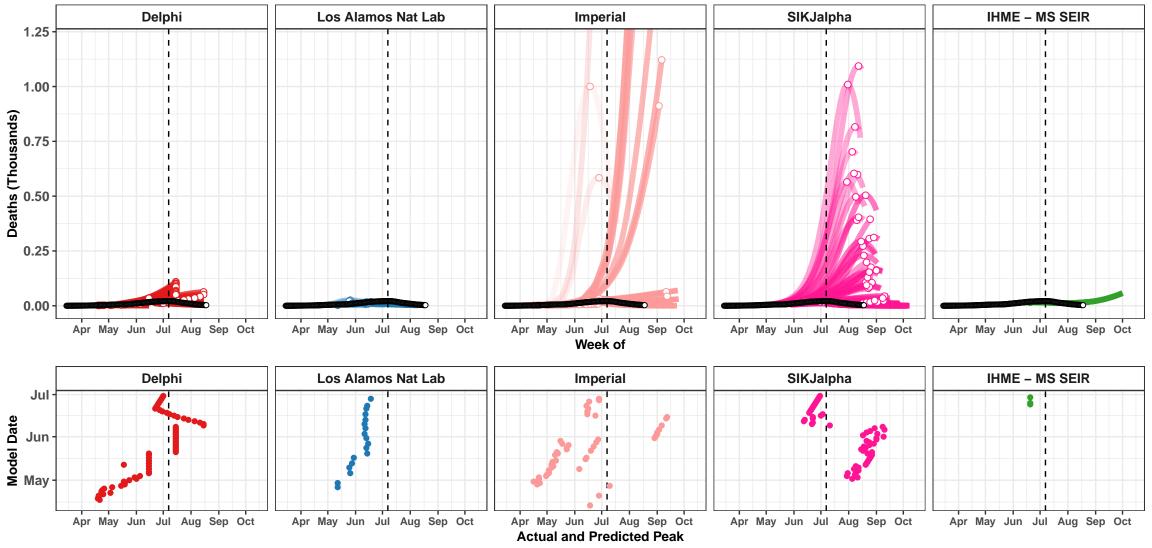


Missouri - Smoothed Daily Deaths **Los Alamos Nat Lab** Youyang Gu IHME - Curve Fit Delphi 0.09 Deaths (Thousands) 0.06 0.03 0.00 Apr May Jun Jul Aug Week of Youyang Gu IHME - Curve Fit Delphi Los Alamos Nat Lab Apr 27 Apr 20 Apr 13 Apr 06 Apr 06 Mar 30 May Aug May Jun Jul Aug Apr May Jul May Jul Aug Apr Jun Jul Apr Jun Aug Apr Jun **Actual and Predicted Peak** 

**Tennessee – Smoothed Daily Deaths** Youyang Gu IHME - Curve Fit 0.15 0.10 0.05

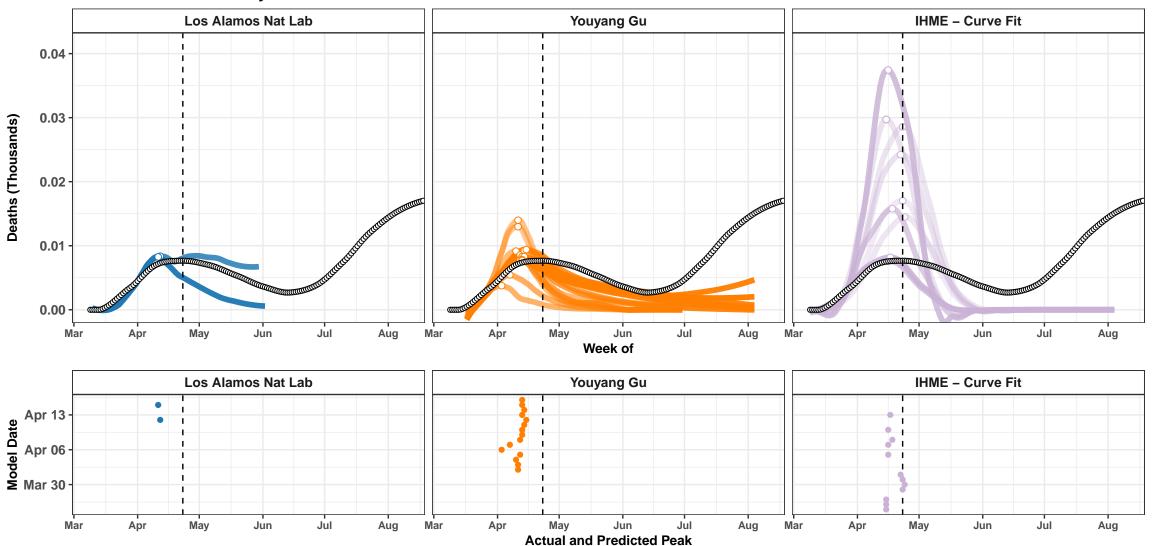


## Afghanistan – Smoothed Daily Deaths



Japan - Smoothed Daily Deaths Delphi 0.020 -Deaths (Thousands) 0.015 0.010 0.005 0.000 -Feb May Jun Delphi Apr 22 Model Date
Apr 20 -Feb Mar May Jun **Actual and Predicted Peak** 

Nevada – Smoothed Daily Deaths



Wisconsin - Smoothed Daily Deaths Youyang Gu IHME - Curve Fit 0.04 0.03 Deaths (Thousands) 0.02 0.01 0.00 -Jul May Apr May Jun Jul Aug Apr Jun 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** 

**Rhode Island – Smoothed Daily Deaths** IHME - Curve Fit IHME - CF SEIR Delphi **Los Alamos Nat Lab** Youyang Gu SIKJalpha 0.03 Deaths (Thousands) 0.02 0.01 0.00 Jul Aug Sep Apr May Jun Apr May Jun Jul Aug Sep Apr May Jun Jul Aug Sep Week of IHME - CF SEIR Delphi Los Alamos Nat Lab Youyang Gu SIKJalpha IHME - Curve Fit May 01

Odel Date
Apr 15

Apr 01 Apr 15 Apr 01 Jul Aug Sep Apr May Jun Apr May Jun Jul Aug Sep **Actual and Predicted Peak** 

**Iowa – Smoothed Daily Deaths** IHME - Curve Fit IHME - CF SEIR Delphi **Los Alamos Nat Lab** Youyang Gu SIKJalpha 0.06 Deaths (Thousands) 0.04 0.02 0.00 Apr May Jun Jul Aug Sep Week of Delphi Los Alamos Nat Lab Youyang Gu SIKJalpha IHME - Curve Fit **IHME - CF SEIR** May 01

Apr 15 Apr 15 Apr 01

Apr May Jun Jul Aug Sep

Apr May Jun Jul Aug Sep

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

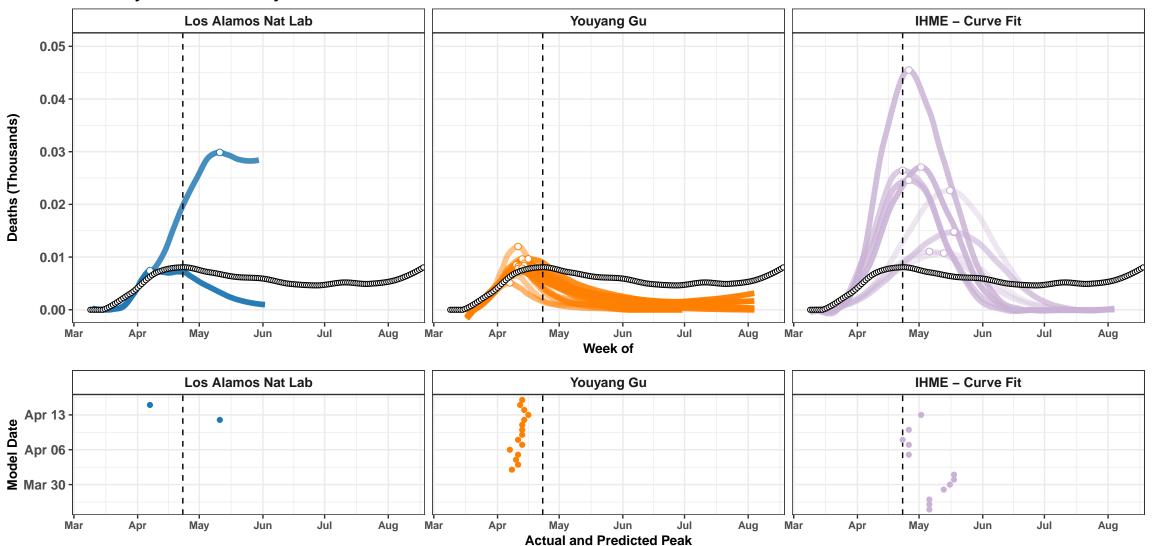
Nigeria – Smoothed Daily Deaths SIKJalpha Delphi Los Alamos Nat Lab Youyang Gu Imperial 25 20 Deaths (Thousands) 15 10 5 0 -Apr May Jun Jul Aug Sep Oct Apr May Jun Jul Aug Sep Oct Week of Delphi Los Alamos Nat Lab Youyang Gu Imperial SIKJalpha **Jun 15** May 15 May 01 Apr 15 Apr May Jun Jul Aug Sep Oct Apr May Jun Jul Aug Sep Oct

**Actual and Predicted Peak** 

## Moldova - Smoothed Daily Deaths **Los Alamos Nat Lab** Youyang Gu **SIKJalpha** IHME - CF SEIR IHME - MS SEIR Delphi **Imperial** 0.12 0.09 Deaths (Thousands) 0.06 0.03 0.00 Mar AprMayJun Jul AugSepOct Mar AprMayJun Ma Week of **Los Alamos Nat Lab** IHME - CF SEIR Delphi Youyang Gu **SIKJalpha** IHME - MS SEIR **Imperial** Jun 15 May 15 May 01 May 15 Apr 15 Mar AprMayJun Jul AugSepOct Mar AprMayJun Ma

Actual and Predicted Peak

Kentucky – Smoothed Daily Deaths



**Armenia - Smoothed Daily Deaths Los Alamos Nat Lab** SIKJalpha Delphi **Imperial** 0.06 Deaths (Thousands) 0.04 0.02 0.00 Apr Jun Aug Sep Oct Apr May Jun Jul Aug Sep Oct Apr May Jun Jul Aug Sep Oct Apr May Jun Jul Aug Sep Week of Delphi **Los Alamos Nat Lab** Imperial SIKJalpha **Jun 15** May 15 May 01 Jun 01 Apr 15

Sep

Aug

Oct

**Actual and Predicted Peak** 

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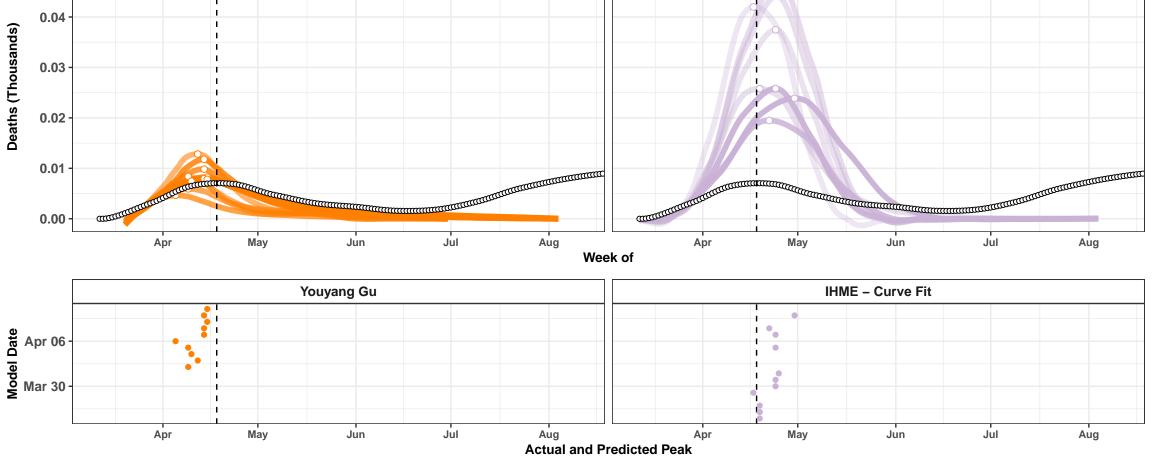
Jul

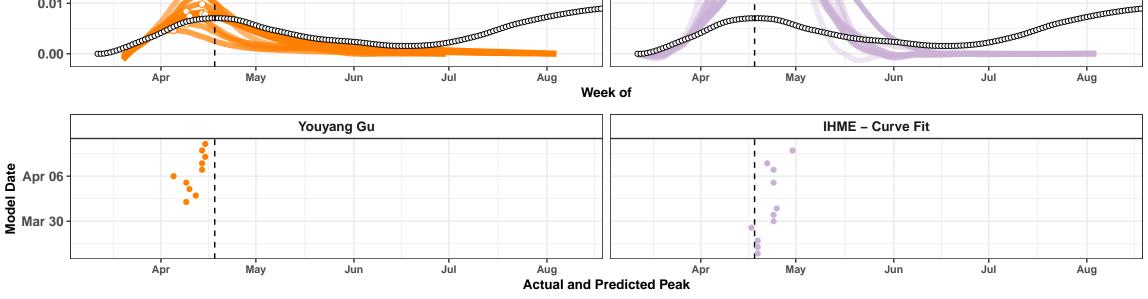
**Sudan – Smoothed Daily Deaths Los Alamos Nat Lab** SIKJalpha Delphi **Imperial** 6 Deaths (Thousands) 2 May Jun Aug Sep Mar Apr May Jun Jul Aug Sep Mar Apr May Jun Jul Aug Sep Mar Apr May Jun Aug Week of Delphi Los Alamos Nat Lab Imperial SIKJalpha May 15 May 01 Apr 15 May Sep Mar Apr May Jun Jul Sep Mar Apr May Jun Jul Aug Sep Mar Apr Jun Aug **Actual and Predicted Peak** 

**New Mexico – Smoothed Daily Deaths SIKJalpha** IHME - Curve Fit Delphi **Los Alamos Nat Lab** Youyang Gu 0.04 Deaths (Thousands) 0.03 0.02 0.01 0.00 Apr May Jun Jul Aug Week of Delphi Los Alamos Nat Lab Youyang Gu **SIKJalpha** IHME - Curve Fit Apr 27 Apr 20 Apr 13 Apr 06 Mor 20 • Mar 30

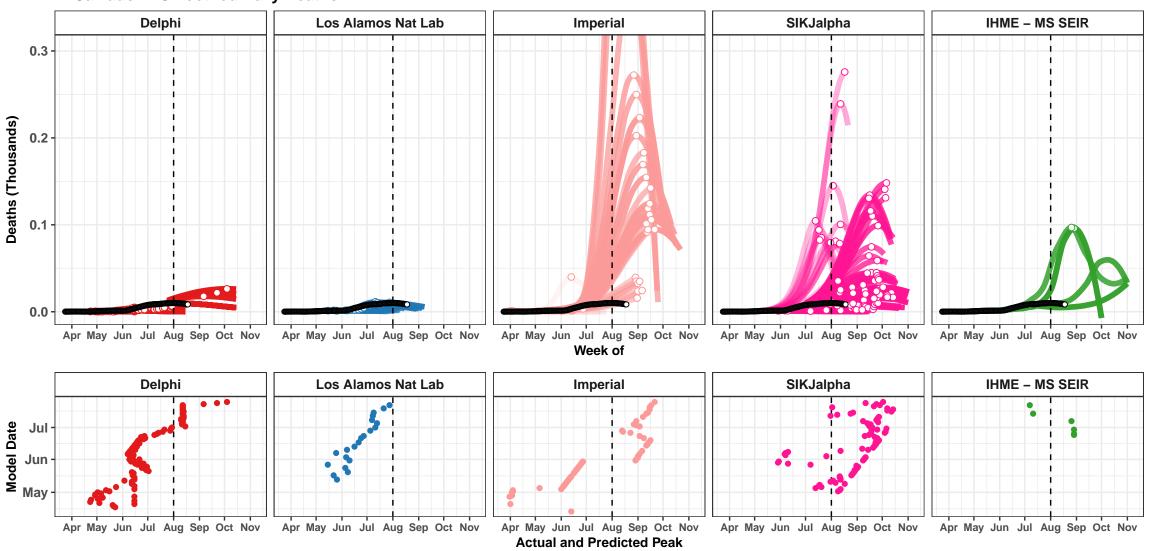
May May Aug May Jun Jul Aug May Aug May Jun Jul Aug Apr Jun Jul Apr Jun Jul Apr Aug **Actual and Predicted Peak** 

Oklahoma - Smoothed Daily Deaths Youyang Gu IHME - Curve Fit 0.05 0.04 Deaths (Thousands) 0.03 0.02 -0.01 0.00

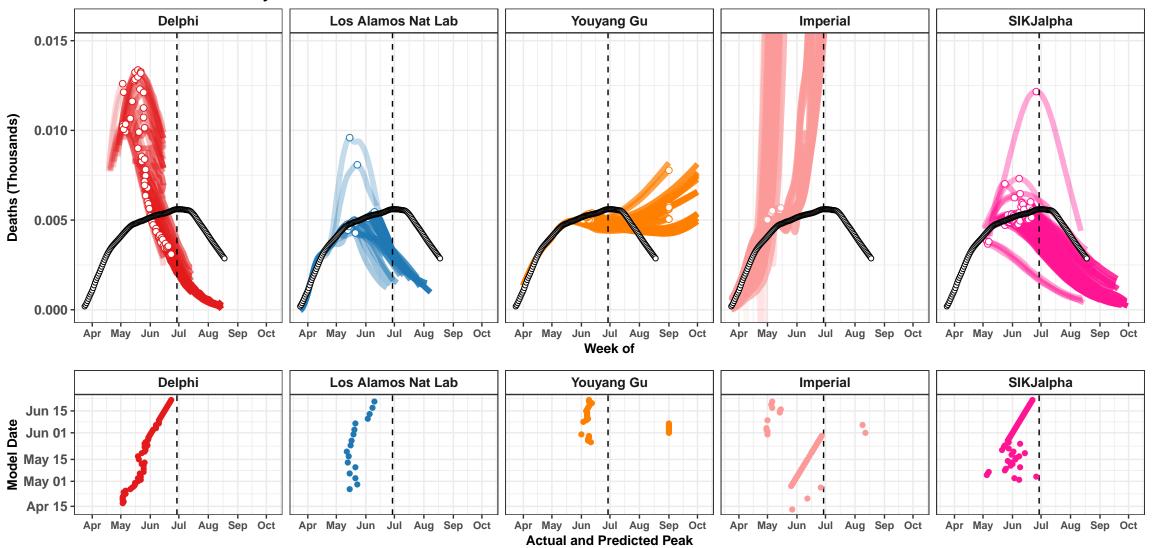




El Salvador – Smoothed Daily Deaths



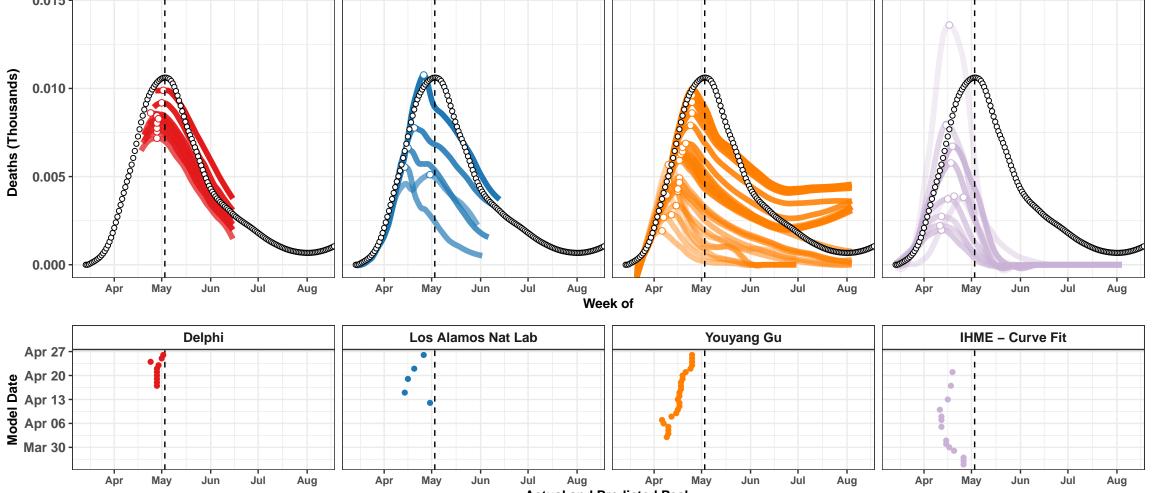
**Belarus – Smoothed Daily Deaths** 

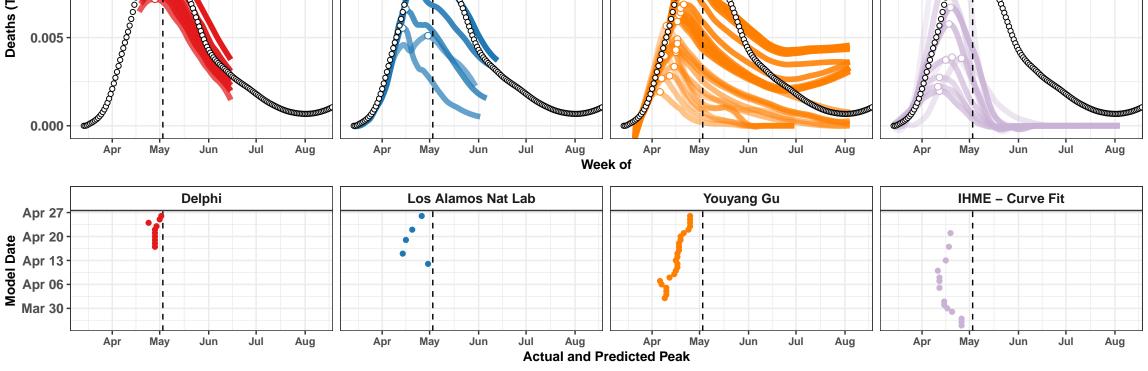


**Hungary – Smoothed Daily Deaths** Youyang Gu IHME – Curve Fit 0.03 Deaths (Thousands) 0.02 Teteranden de la companya del companya de la companya del companya de la companya del companya de la companya de la companya de la companya del companya de la companya del companya del la companya del la companya del la companya de 0.01 0.00 Mar Mar Apr May Jun Jul Aug Apr May Jun Jul Aug Week of IHME - Curve Fit Youyang Gu Apr 16 Model Date Apr 12 -Apr 08 Mar May Jun Jul Aug Mar Apr May Jun Jul Aug Apr

**Actual and Predicted Peak** 

**District of Columbia - Smoothed Daily Deaths Los Alamos Nat Lab** Youyang Gu IHME - Curve Fit Delphi 0.015 0.010





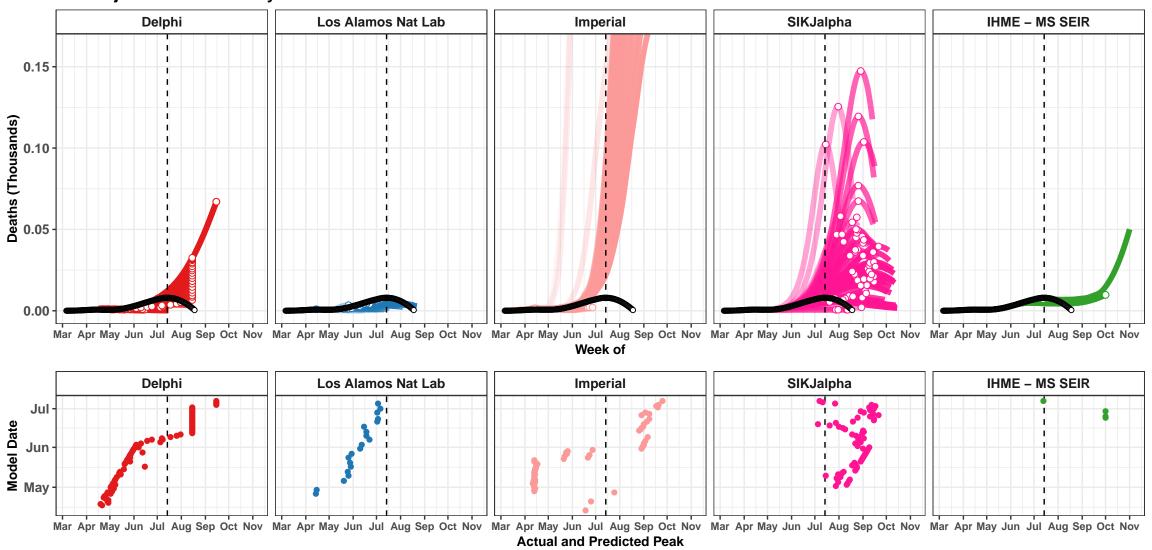
**Delaware – Smoothed Daily Deaths Los Alamos Nat Lab** Youyang Gu IHME – Curve Fit Delphi 0.02 Deaths (Thousands) 0.01 0.00 Aug Apr May Jun Jul Apr May Jun Jul Aug Apr May Jun Jul Aug Apr May Jun Jul Aug Week of Youyang Gu IHME - Curve Fit Delphi Los Alamos Nat Lab Apr 27 Apr 20
Apr 13
Apr 06
Mar 30 Mar 30 Jul Aug May Jul Aug Apr May Jun Jul May Aug Apr May Jun Apr Jun Aug Apr Jun Jul

**Actual and Predicted Peak** 

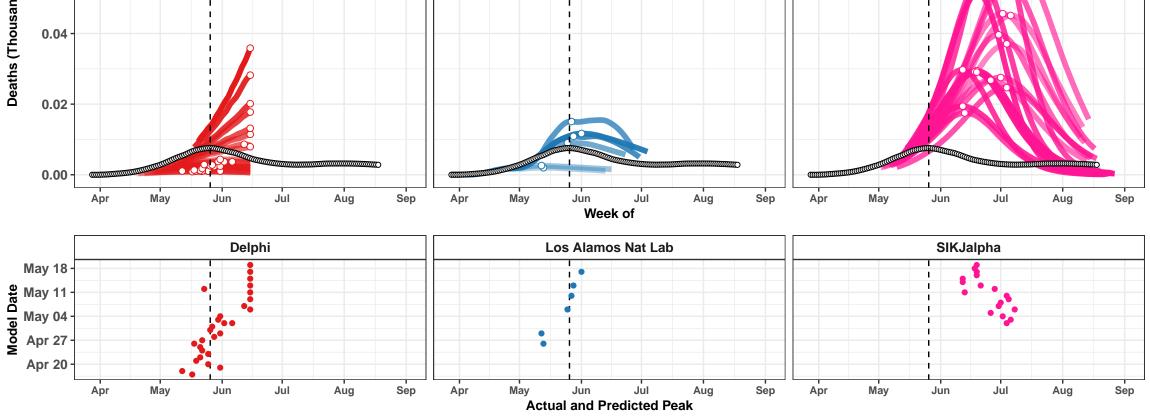
Macedonia - Smoothed Daily Deaths SIKJalpha Delphi Los Alamos Nat Lab **Imperial** 0.3 Deaths (Thousands) 0.2 0.1 0.0 Oct May Jun Jul Aug Sep Oct Apr May Jun Jul Aug Sep Apr May Jun Jul Aug Sep Oct Apr May Jun Jul Aug Sep Oct Week of Delphi Los Alamos Nat Lab Imperial SIKJalpha **Jun 15** Jun 01 May 15 May 01 Apr 15 May Jun Jul Sep Oct Apr May Jun Jul Aug Sep Oct Apr May Jun Jul Aug Sep Oct May Jun Jul Aug Sep Aug Apr **Actual and Predicted Peak** 

**Yemen – Smoothed Daily Deaths Los Alamos Nat Lab** SIKJalpha Delphi **Imperial** 100 75 Deaths (Thousands) 50 25 May Jun Jul Aug Sep Oct Week of SIKJalpha Delphi Los Alamos Nat Lab Imperial Model Date Date May 15 May 01 May Sep Oct May Jul Aug Sep Oct May Jul Aug Sep Oct May Sep Oct Jun Jul Aug Jun Jun Aug **Actual and Predicted Peak** 

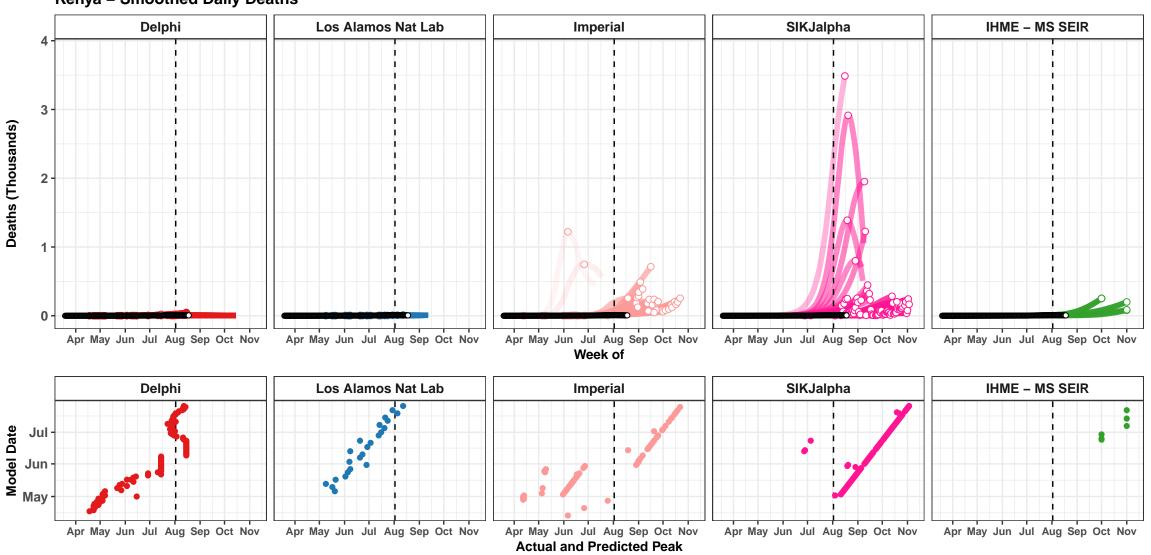
## Azerbaijan – Smoothed Daily Deaths



**Kuwait – Smoothed Daily Deaths Los Alamos Nat Lab** SIKJalpha Delphi 0.06 Deaths (Thousands) 0.04 0.02 06060 0.00 Apr May Jun Jul Aug Sep Apr May Jun Jul Aug Sep Apr May Jun Jul Aug Sep Week of SIKJalpha Delphi **Los Alamos Nat Lab** May 18 -



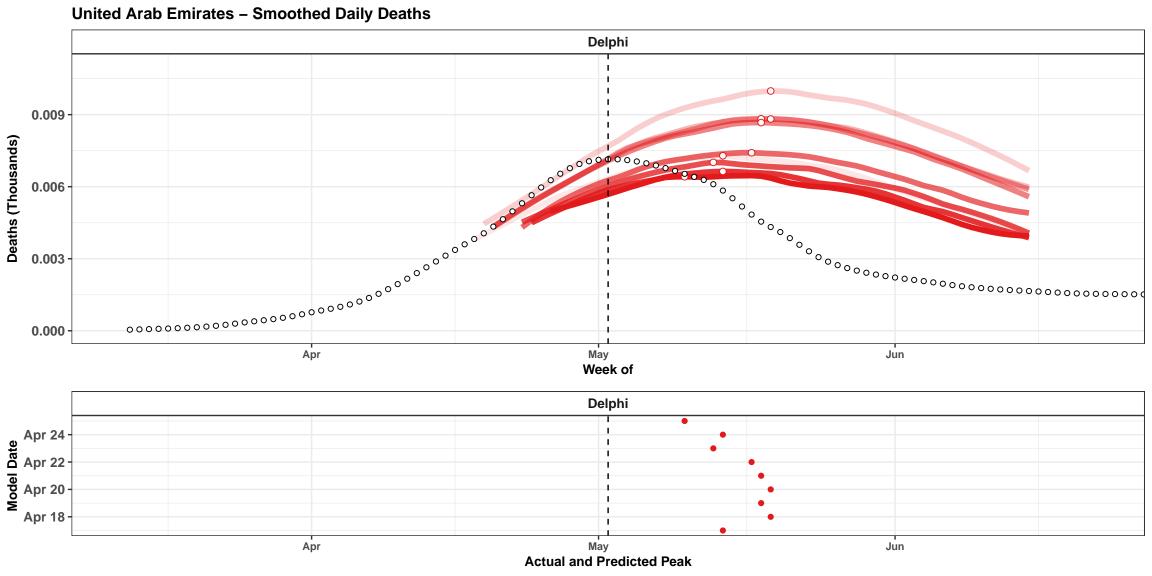
**Kenya - Smoothed Daily Deaths** 



**New Hampshire – Smoothed Daily Deaths** IHME - Curve Fit IHME - CF SEIR Delphi Los Alamos Nat Lab Youyang Gu SIKJalpha 0.03 Deaths (Thousands) 0.02 0.01 0.00 Apr May Jun Jul Aug Sep Week of Delphi Los Alamos Nat Lab Youyang Gu SIKJalpha IHME - Curve Fit **IHME - CF SEIR May 15** May 01

Apr 15 Apr 15 Apr 01 Apr May Jun Jul Aug Sep Apr May Jun

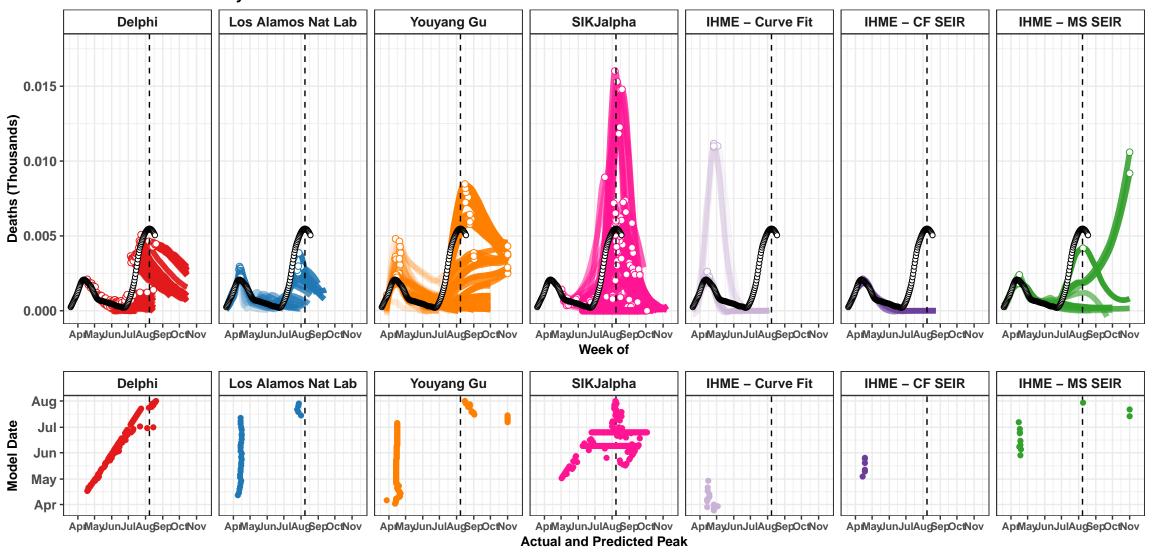
Actual and Predicted Peak



Finland – Smoothed Daily Deaths Youyang Gu IHME – Curve Fit 0.020 0.015 Deaths (Thousands) 0.010 0.005 0.000 -May Apr Jun Jul Aug Week of IHME - Curve Fit Youyang Gu Apr 16 Model Date Date Apr 12 -Apr 08 May Apr May Jun Jul Aug Apr Jun Jul Aug

**Actual and Predicted Peak** 

**Idaho - Smoothed Daily Deaths** 



## **Zambia - Smoothed Daily Deaths**

