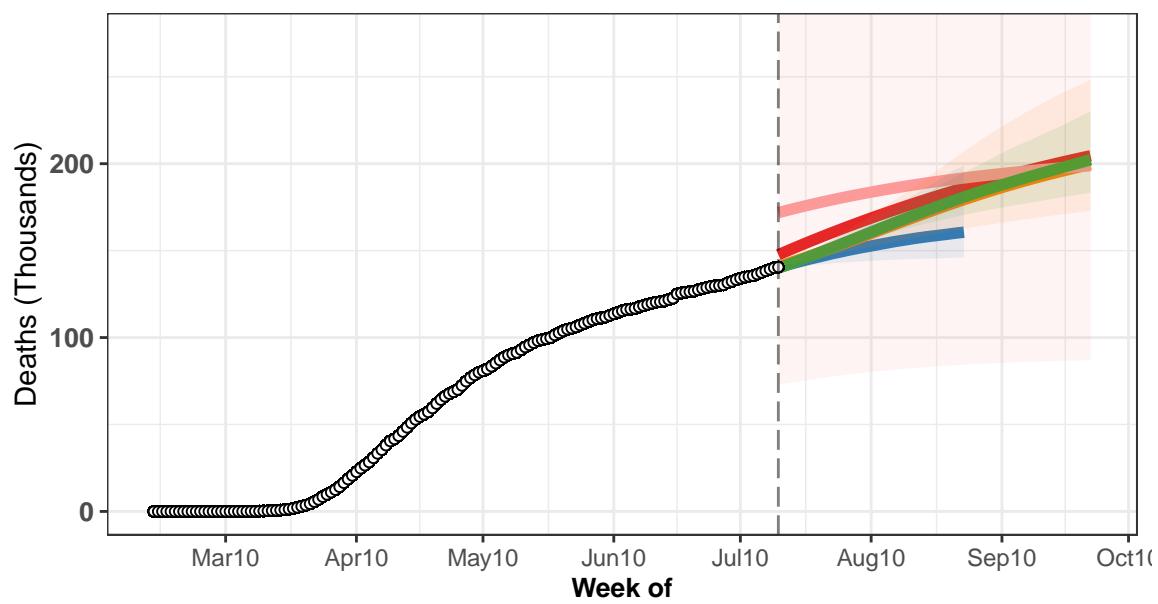


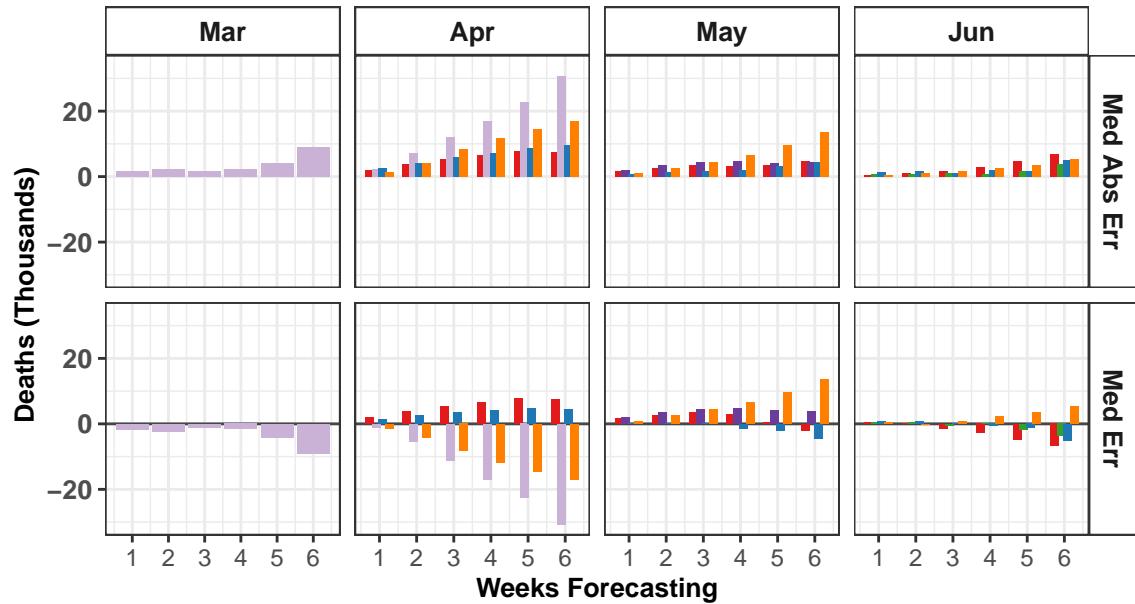
# United States

## Current Forecast

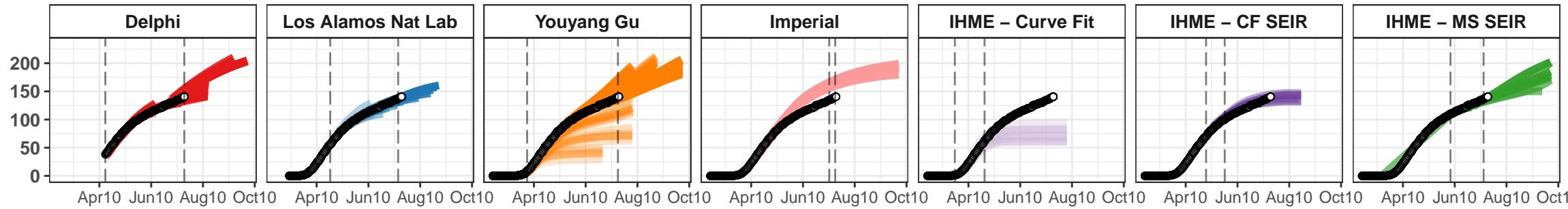
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



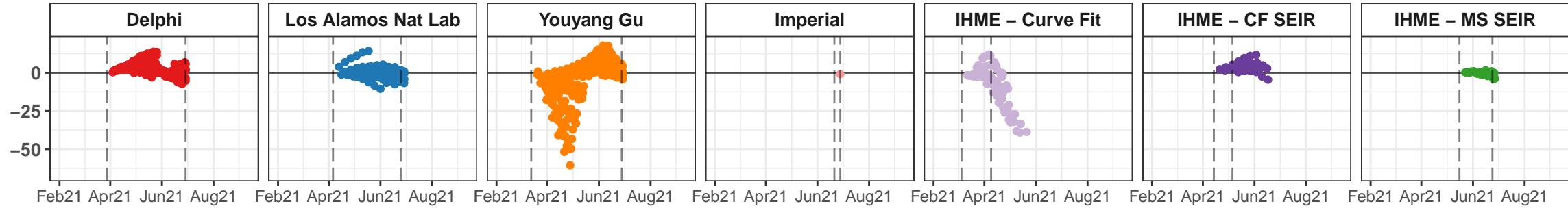
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

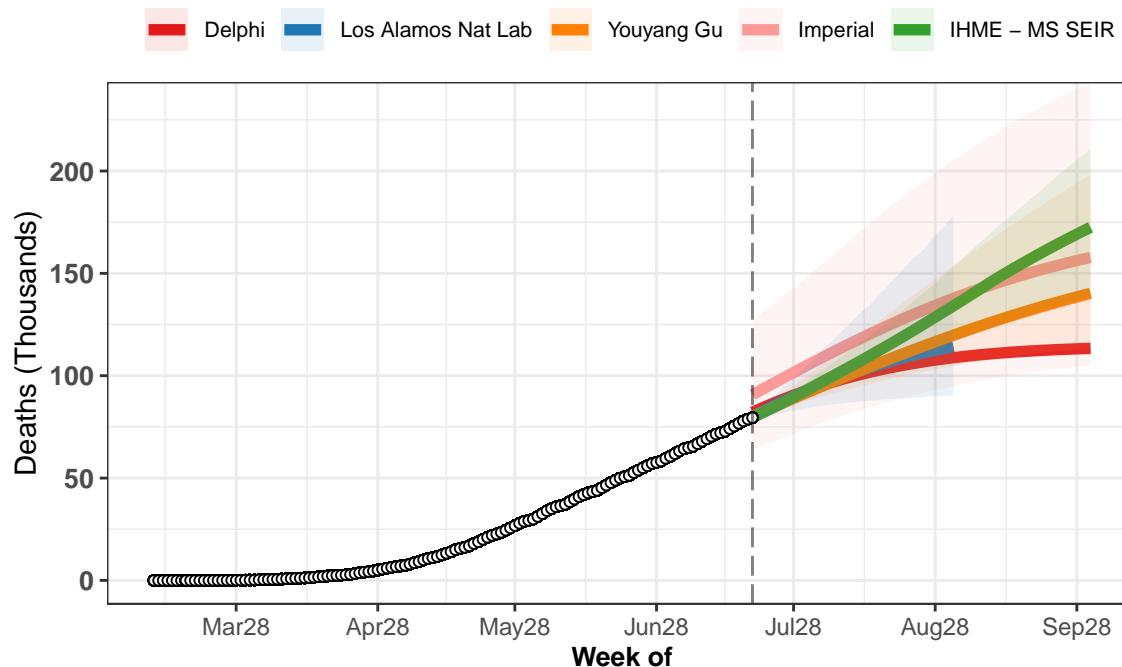


## All Cumulative Errors

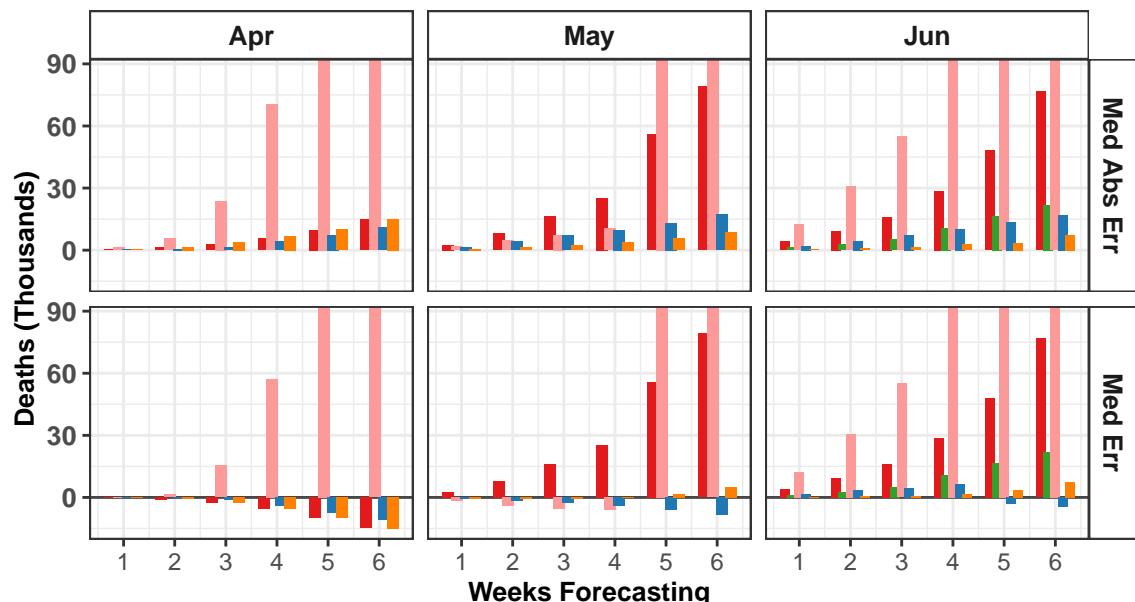


# Brazil

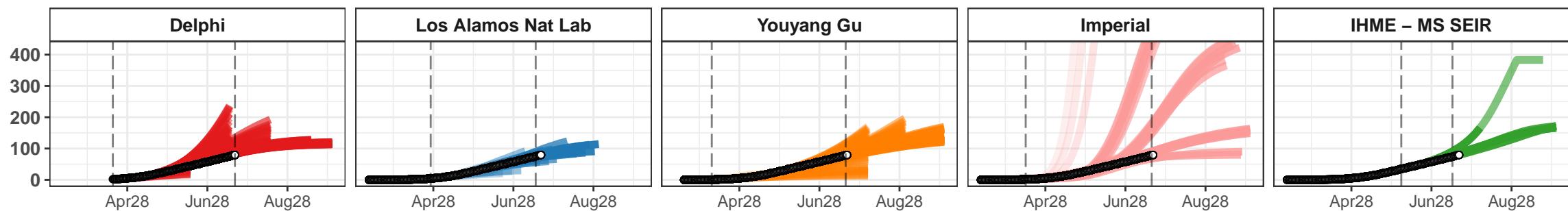
## Current Forecast



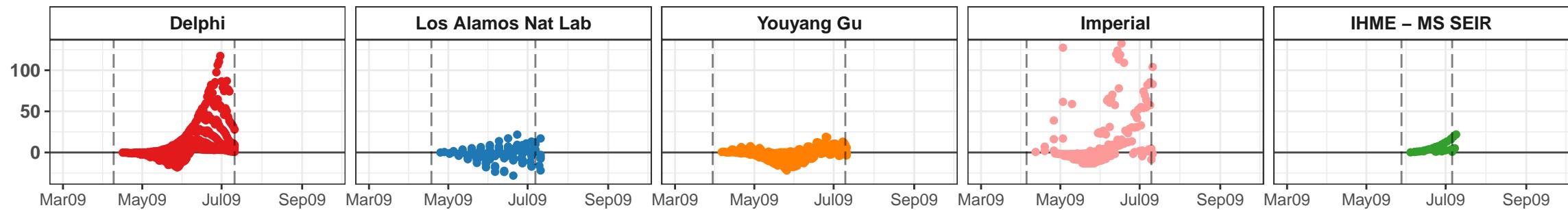
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

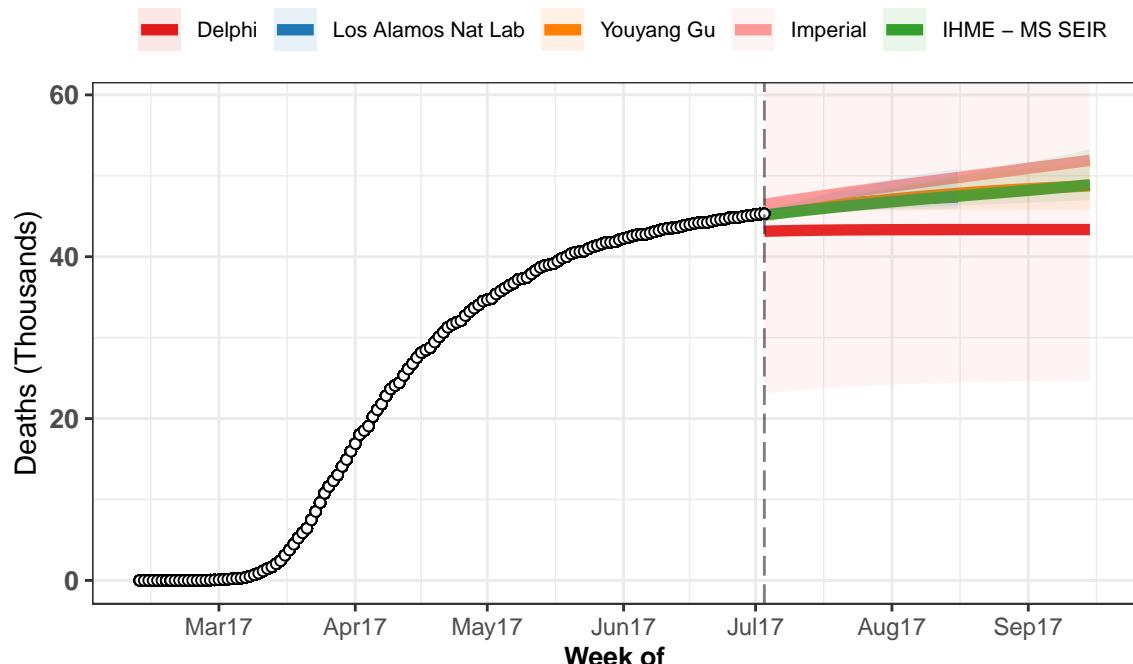


## All Cumulative Errors

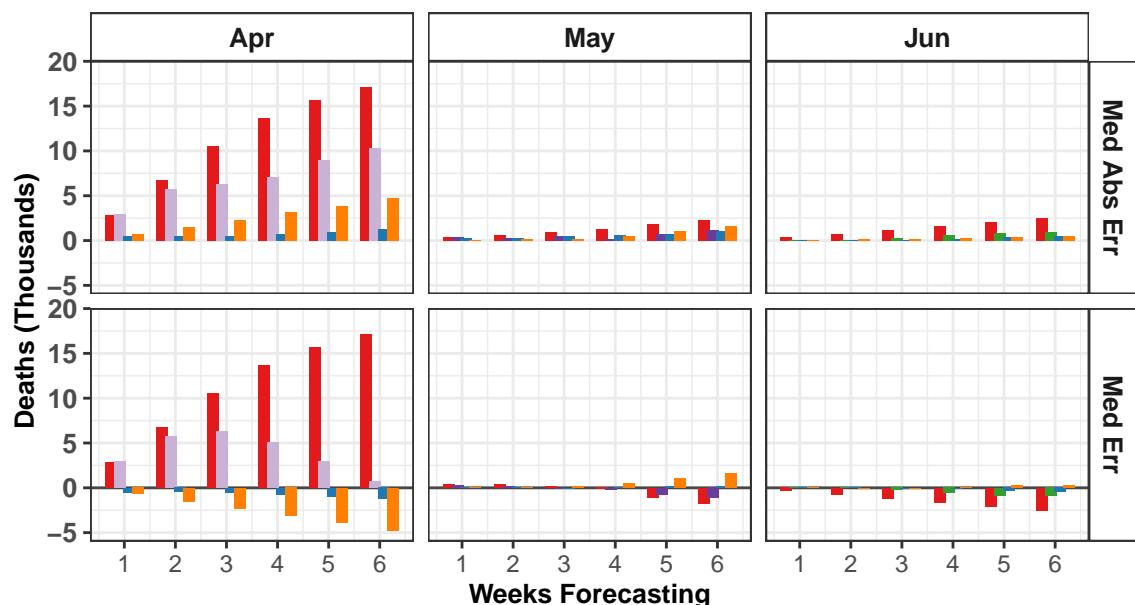


# United Kingdom

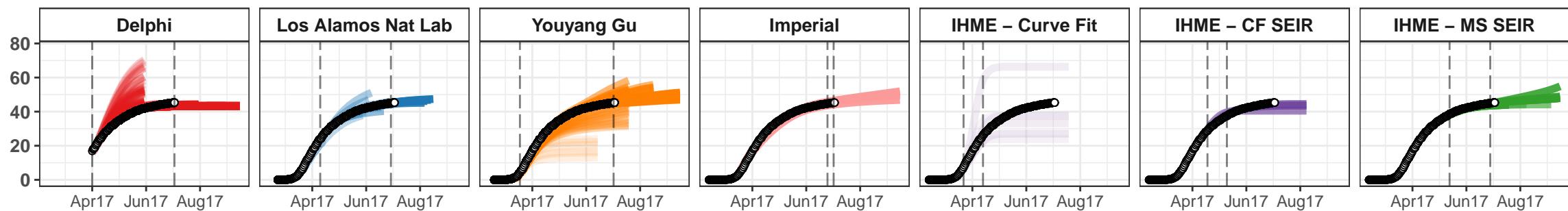
## Current Forecast



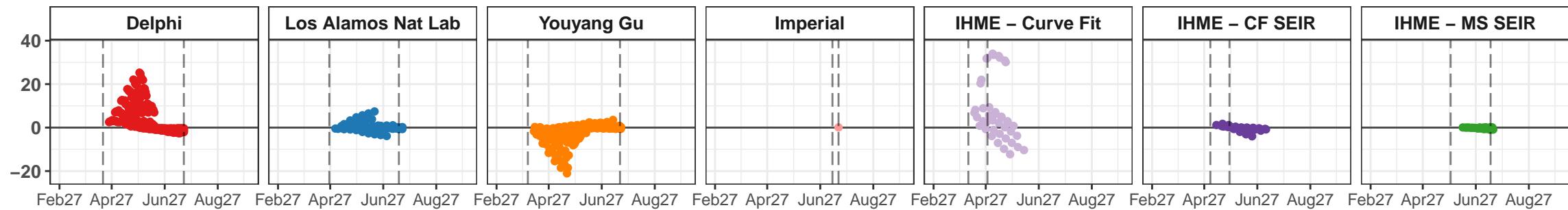
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

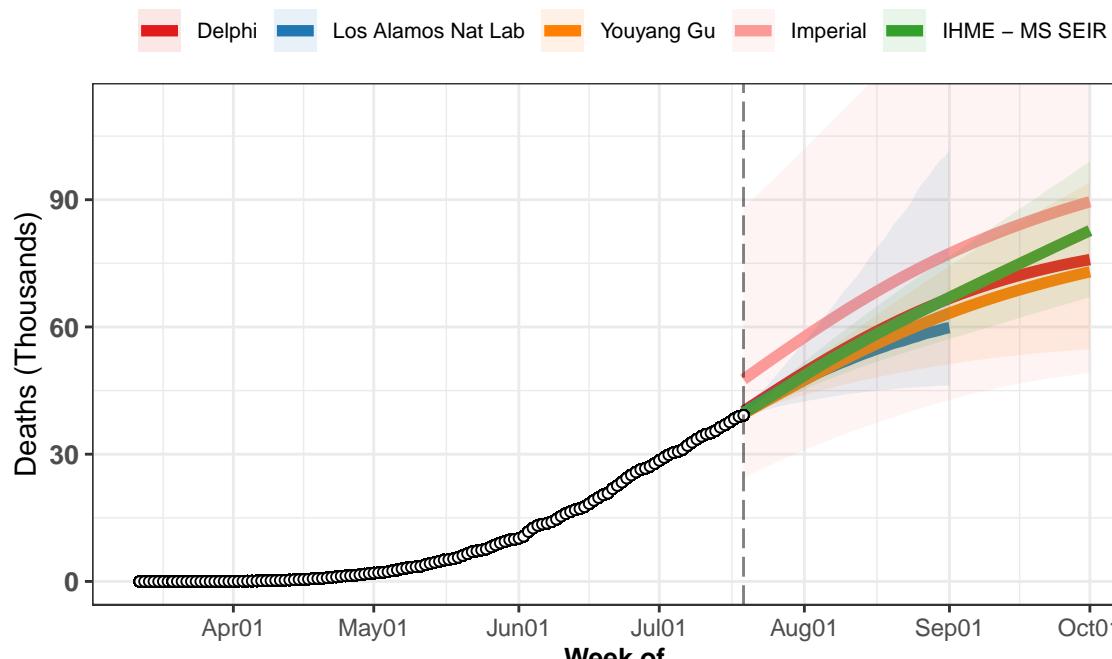


## All Cumulative Errors

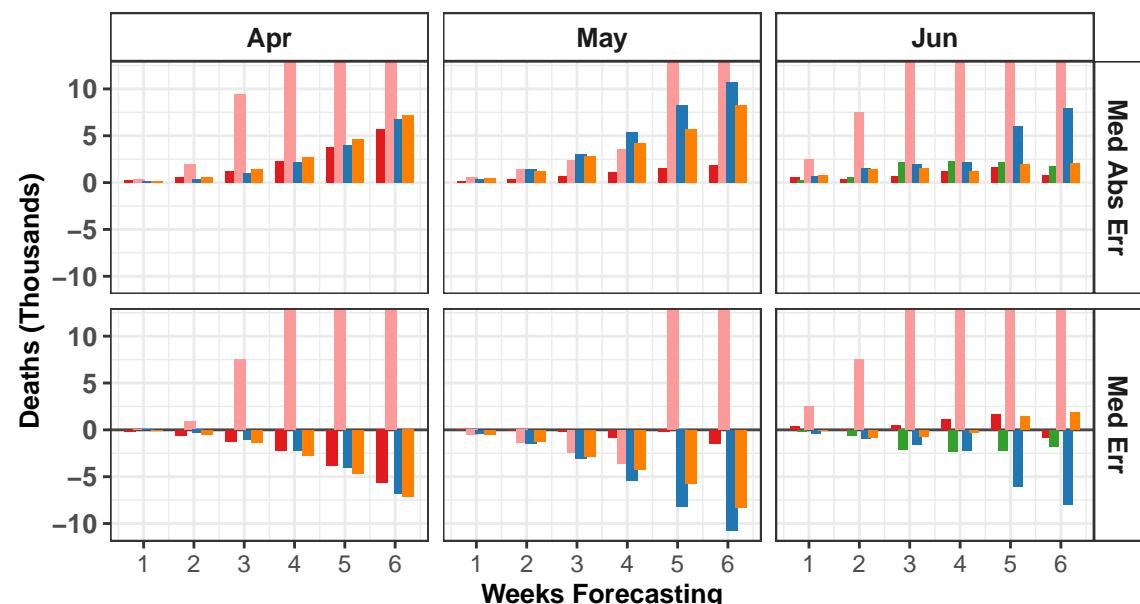


# Mexico

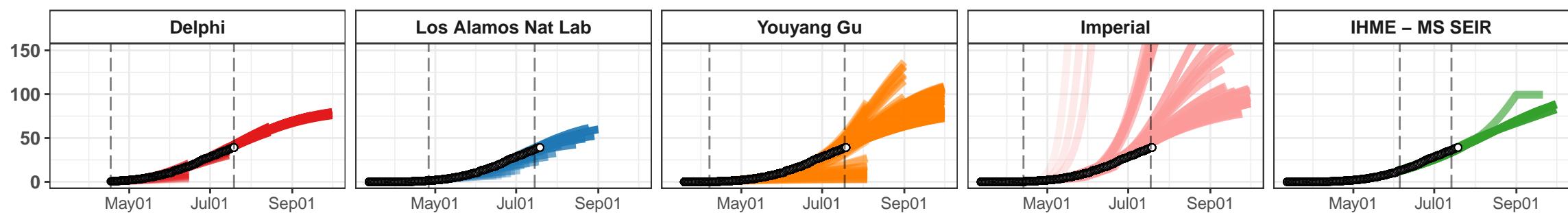
## Current Forecast



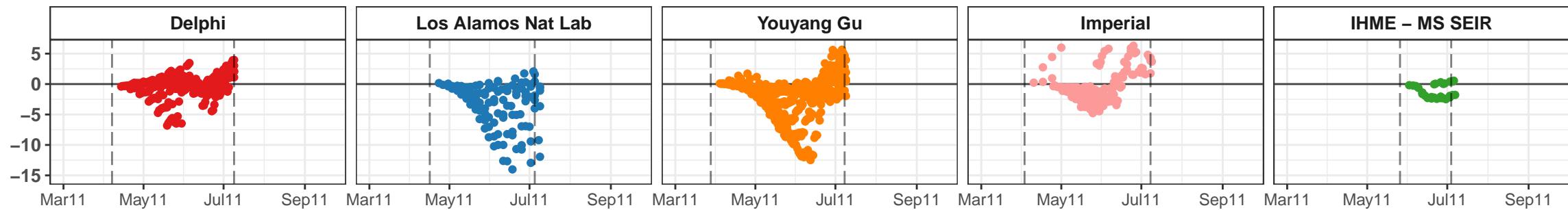
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

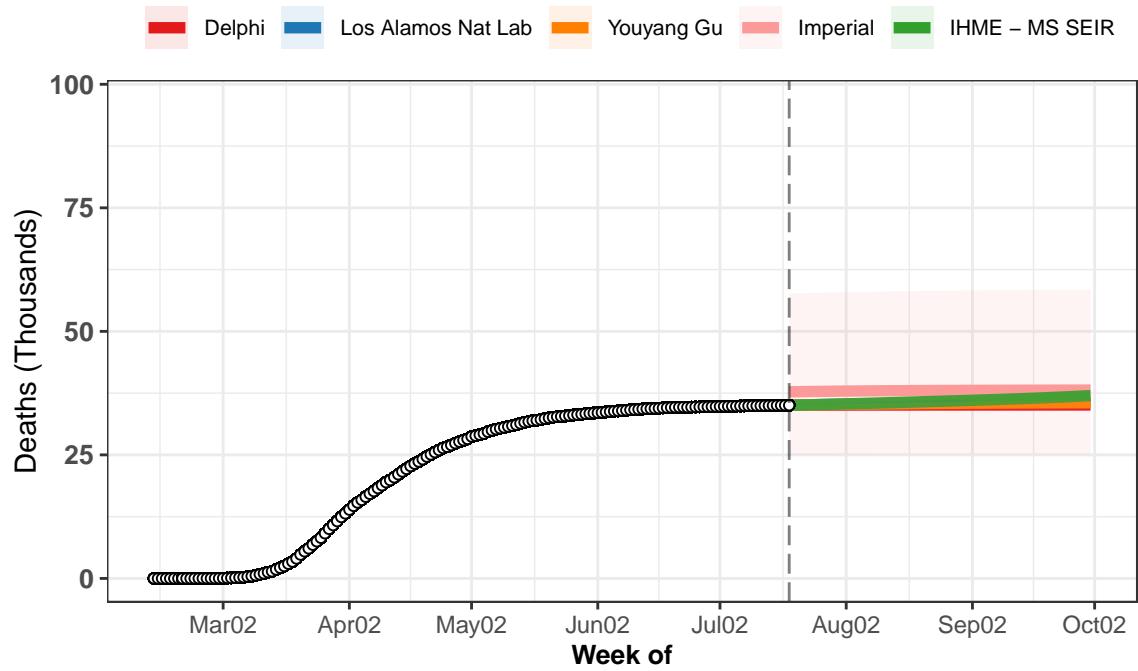


## All Cumulative Errors

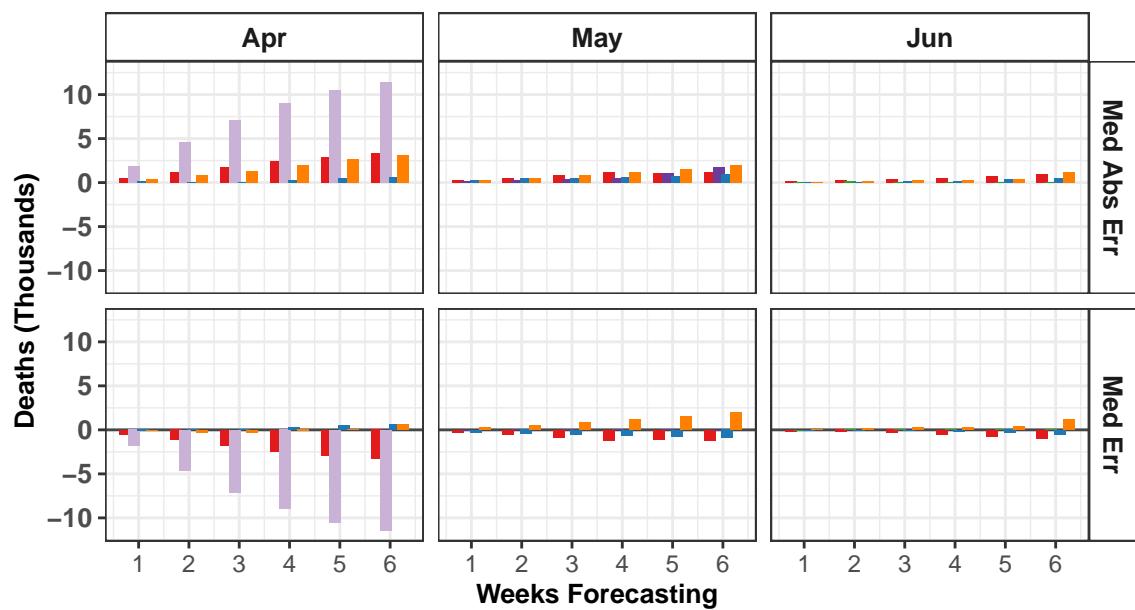


# Italy

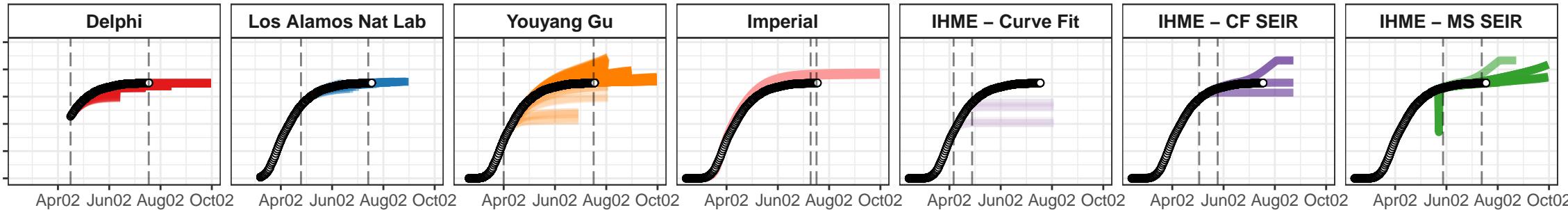
## Current Forecast



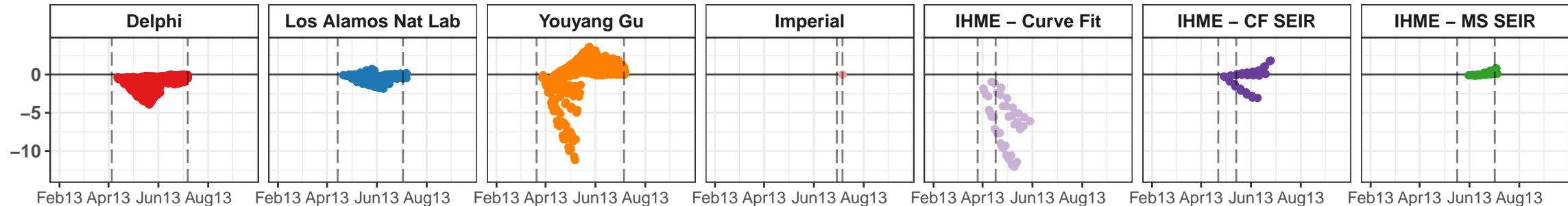
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



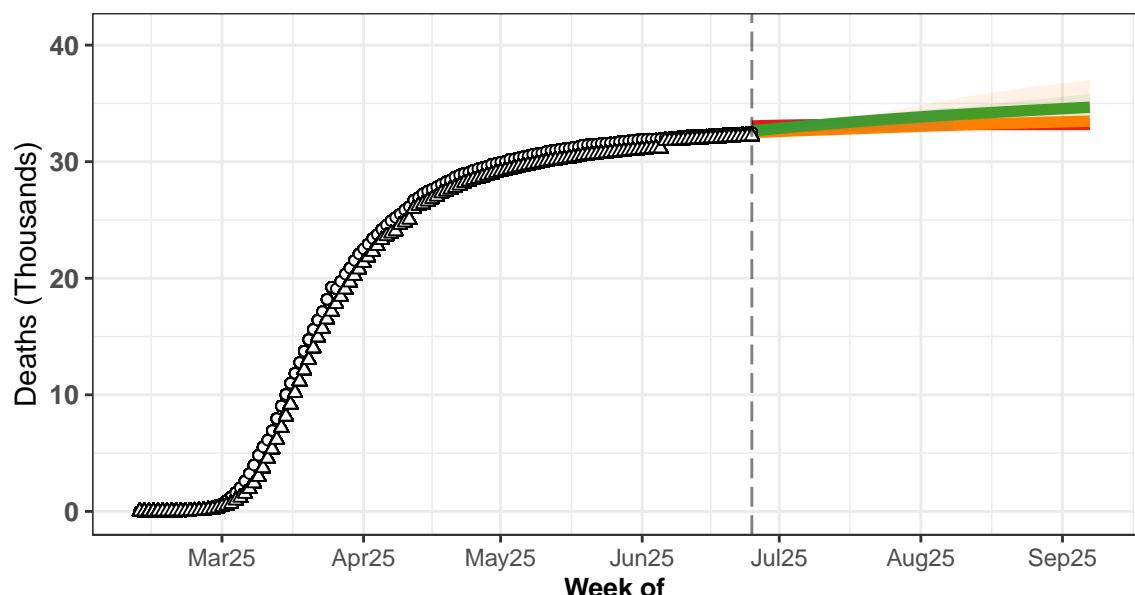
## All Cumulative Errors



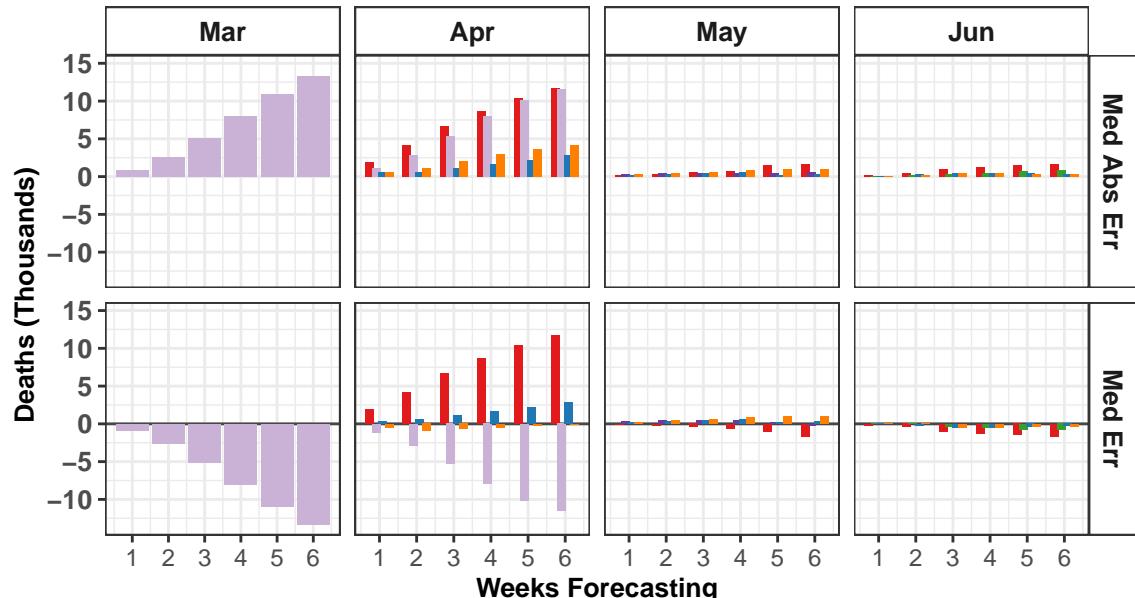
# New York

## Current Forecast

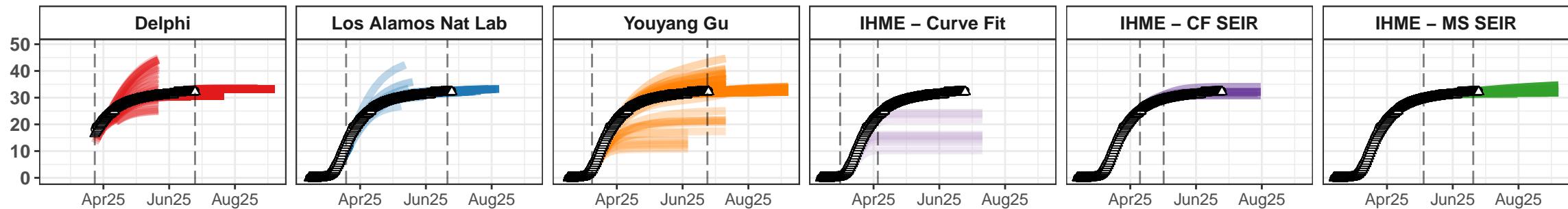
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



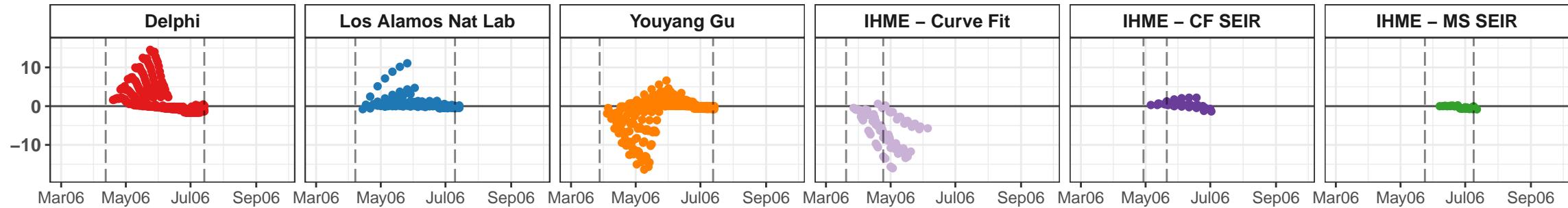
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

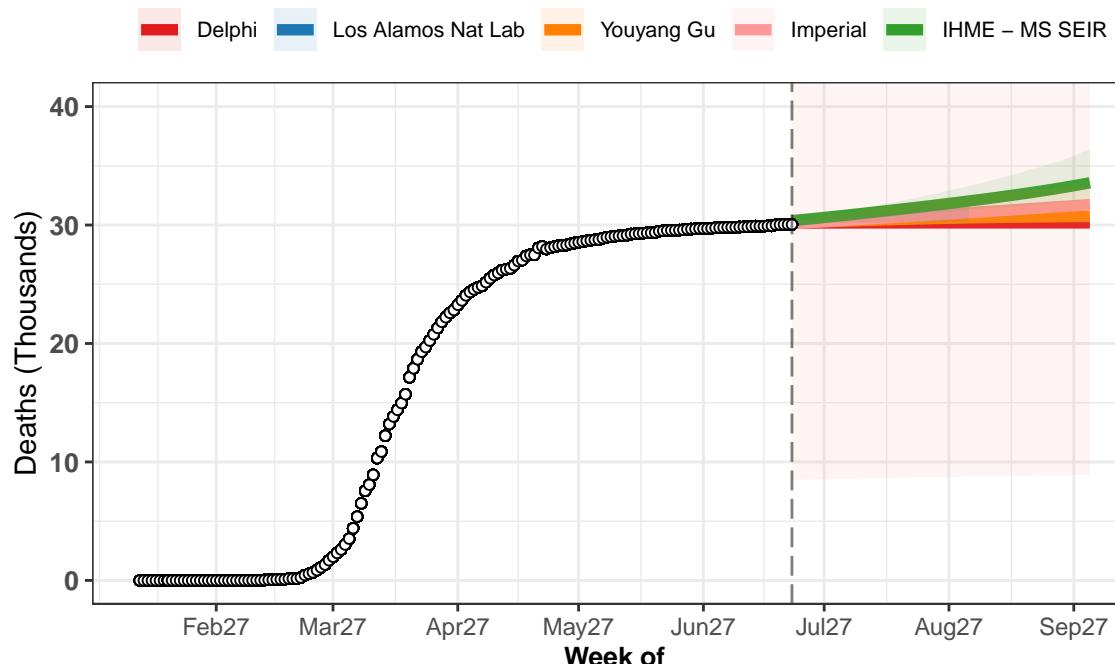


## All Cumulative Errors

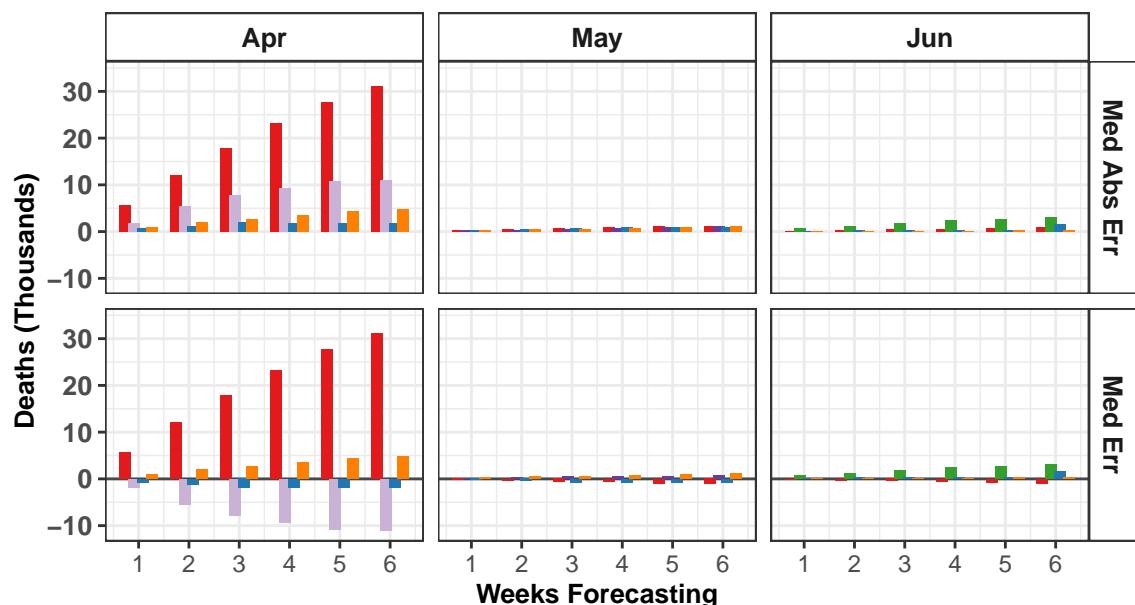


# France

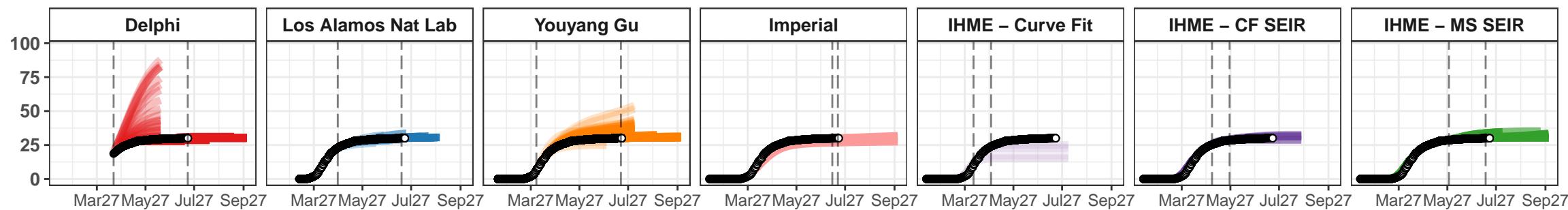
## Current Forecast



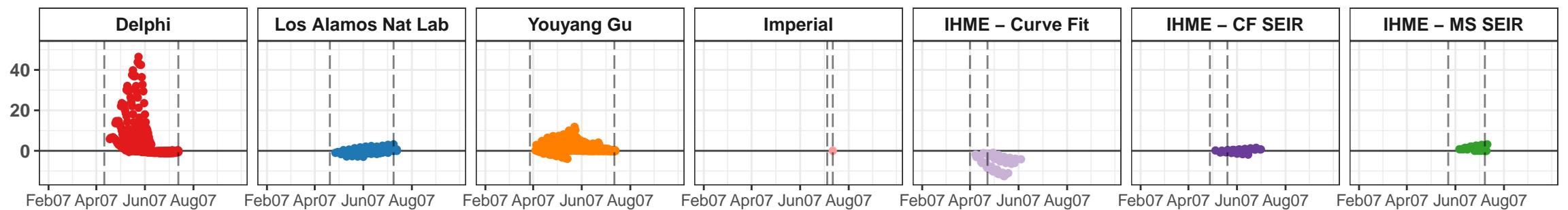
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

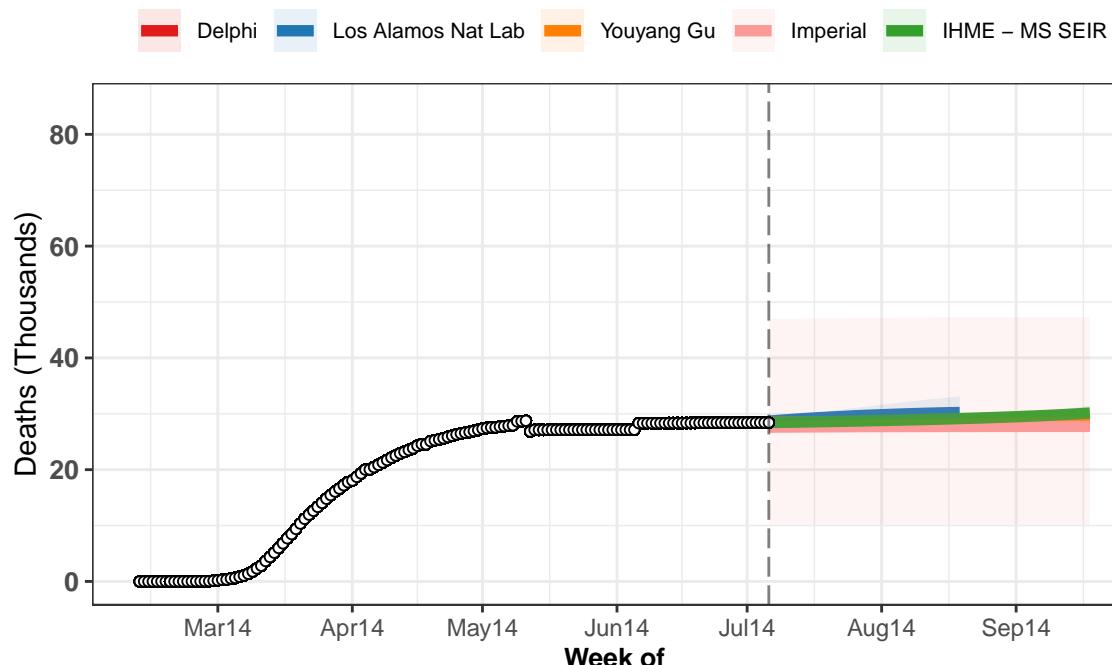


## All Cumulative Errors

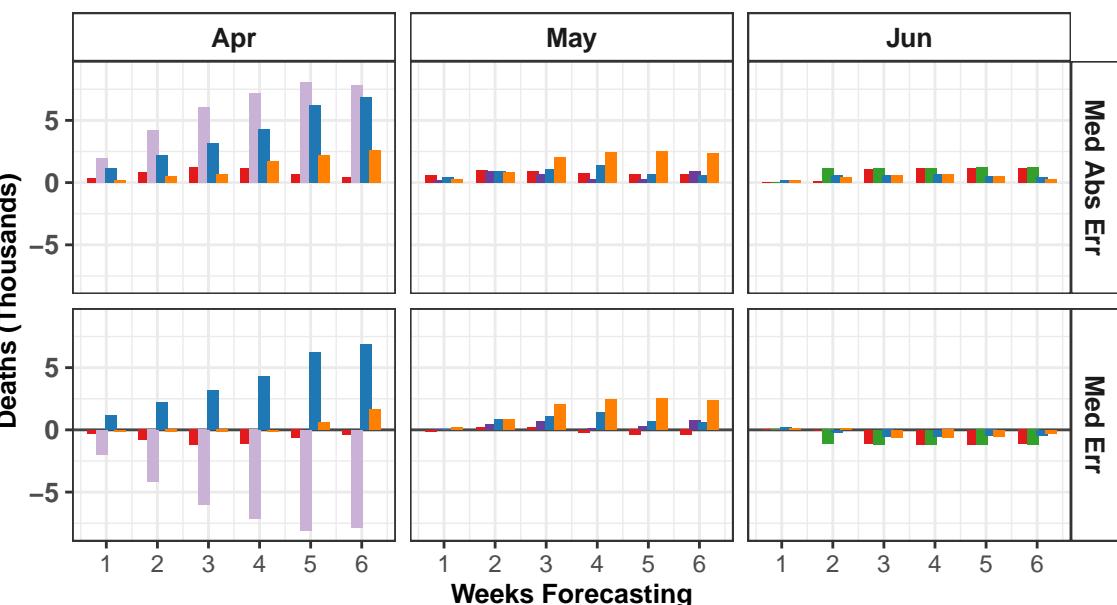


# Spain

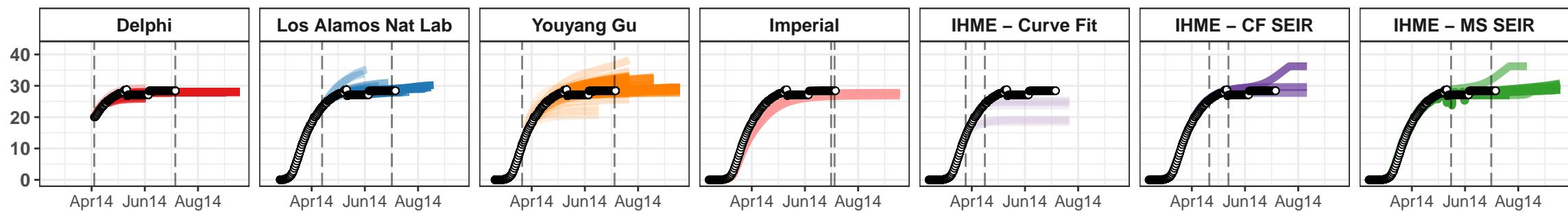
## Current Forecast



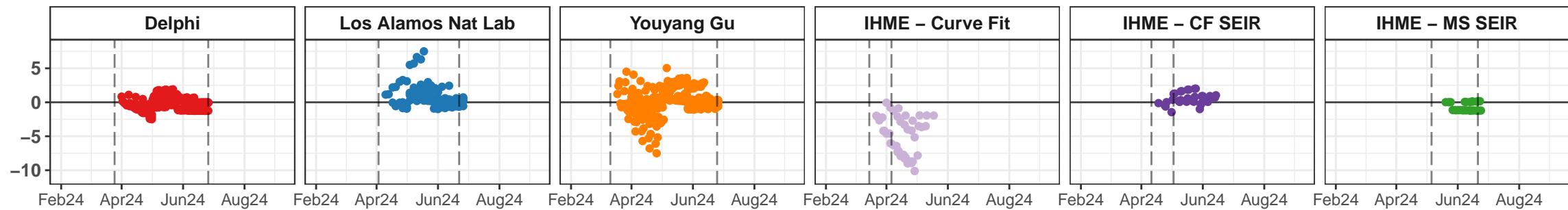
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



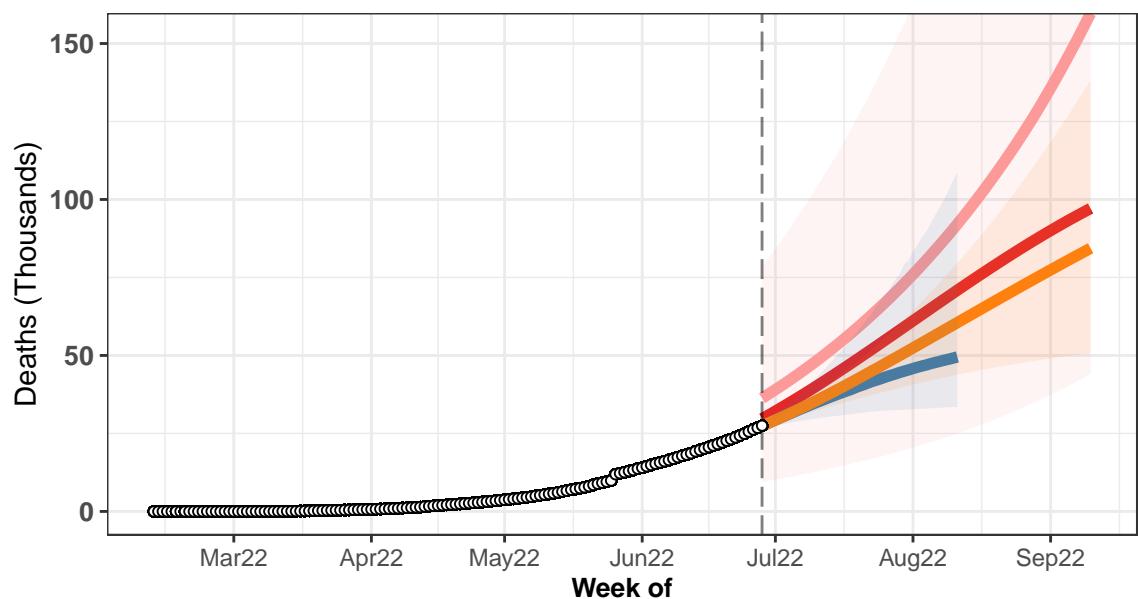
## All Cumulative Errors



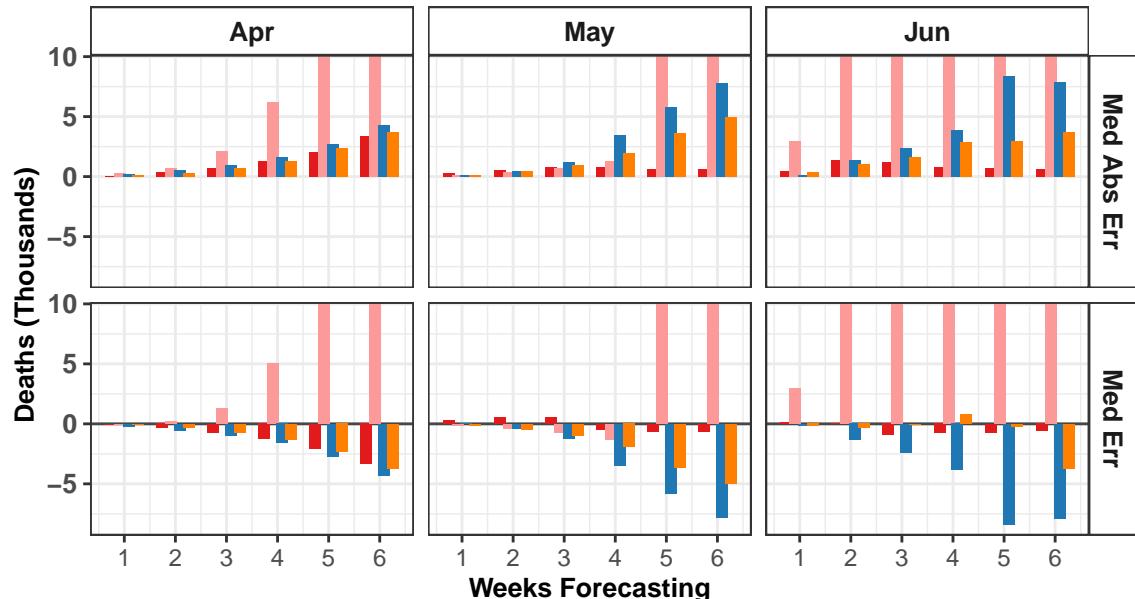
# India

## Current Forecast

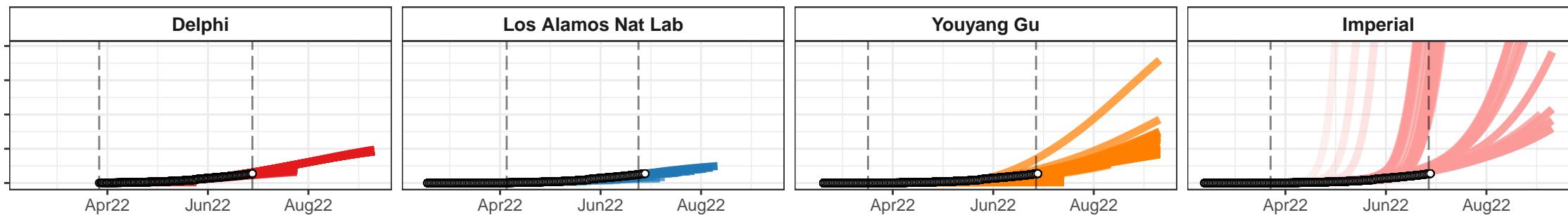
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial



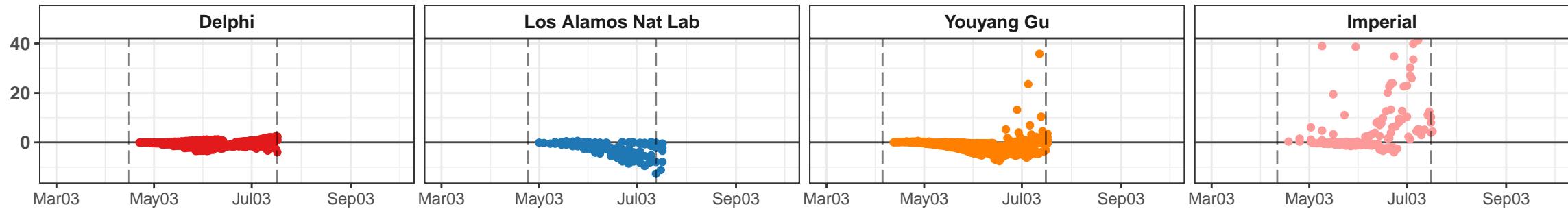
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



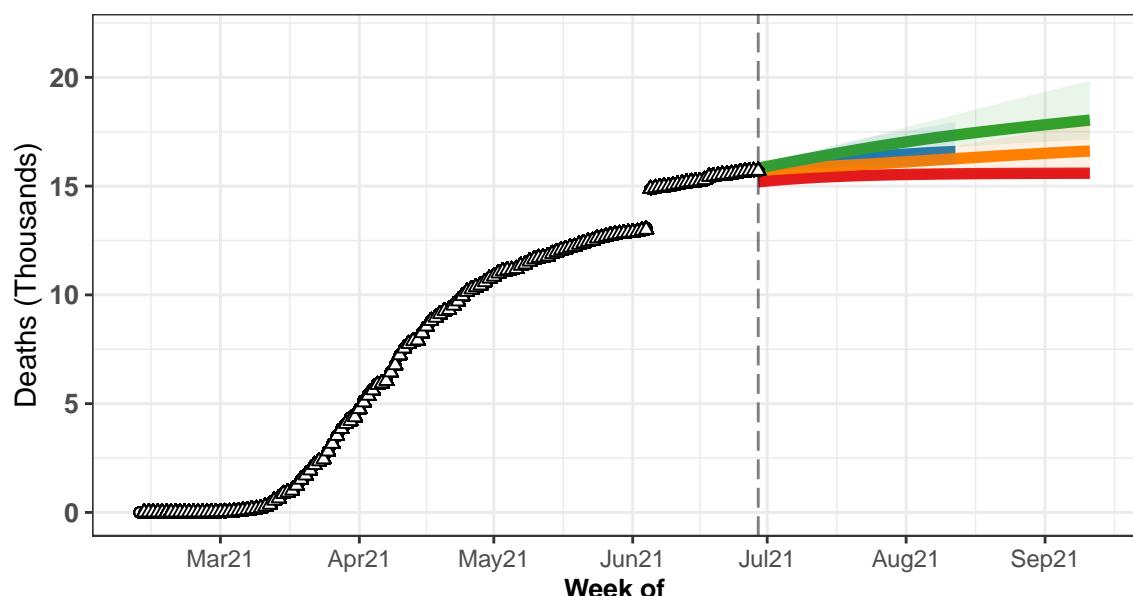
## All Cumulative Errors



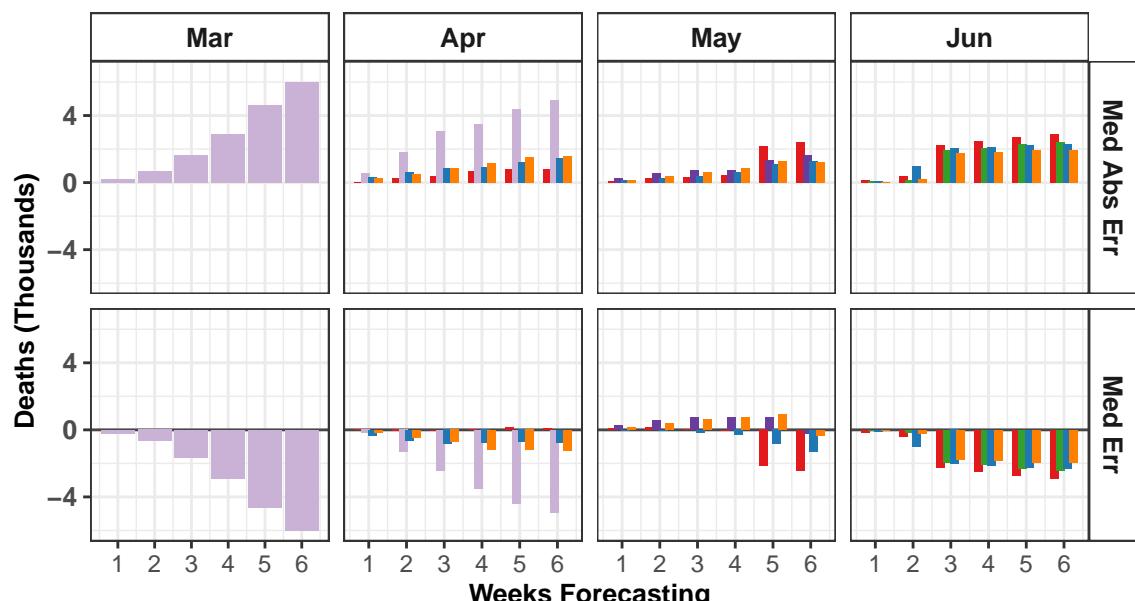
# New Jersey

## Current Forecast

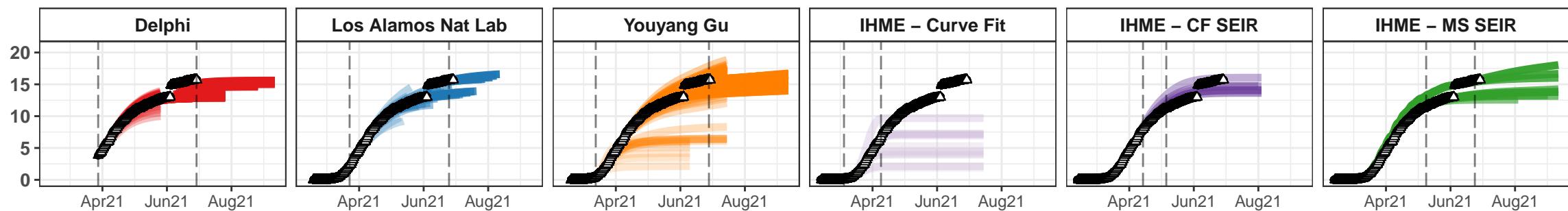
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



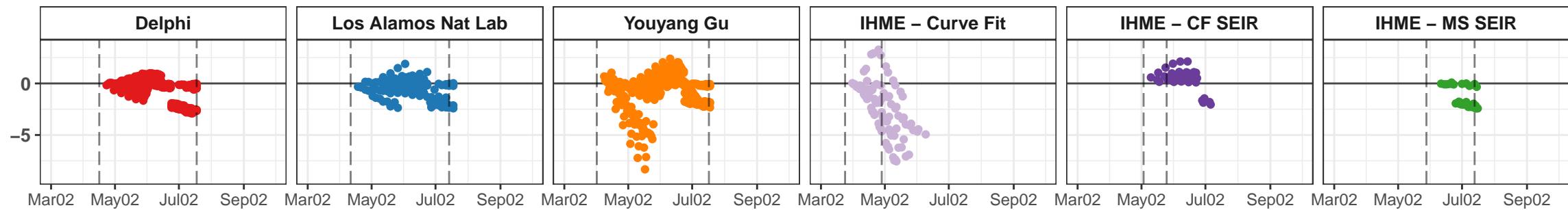
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

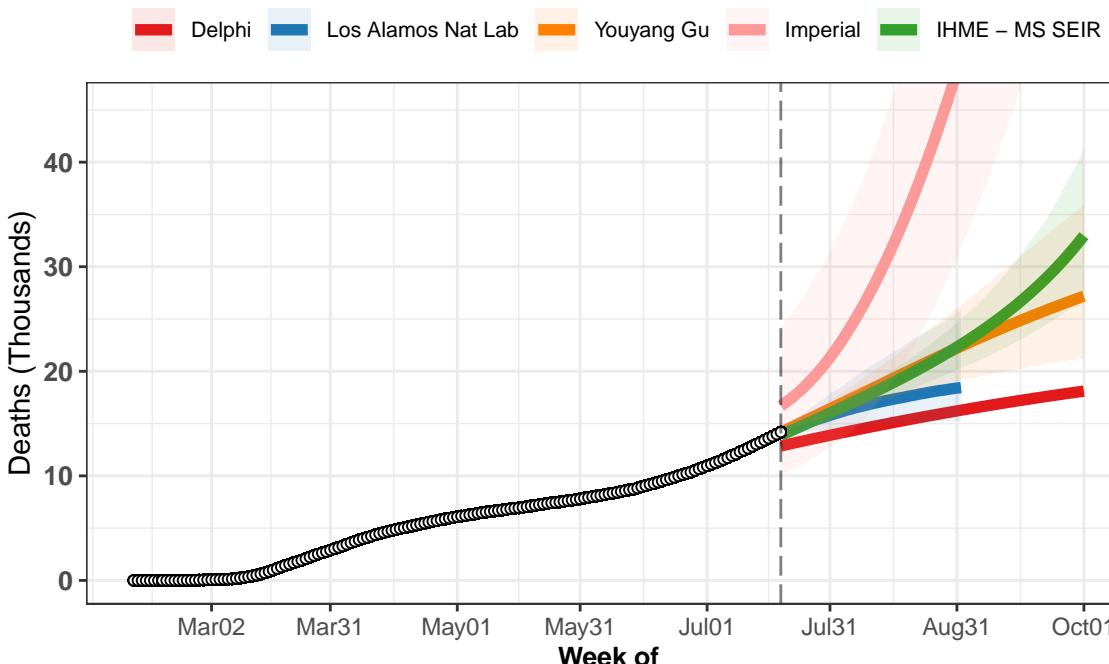


## All Cumulative Errors

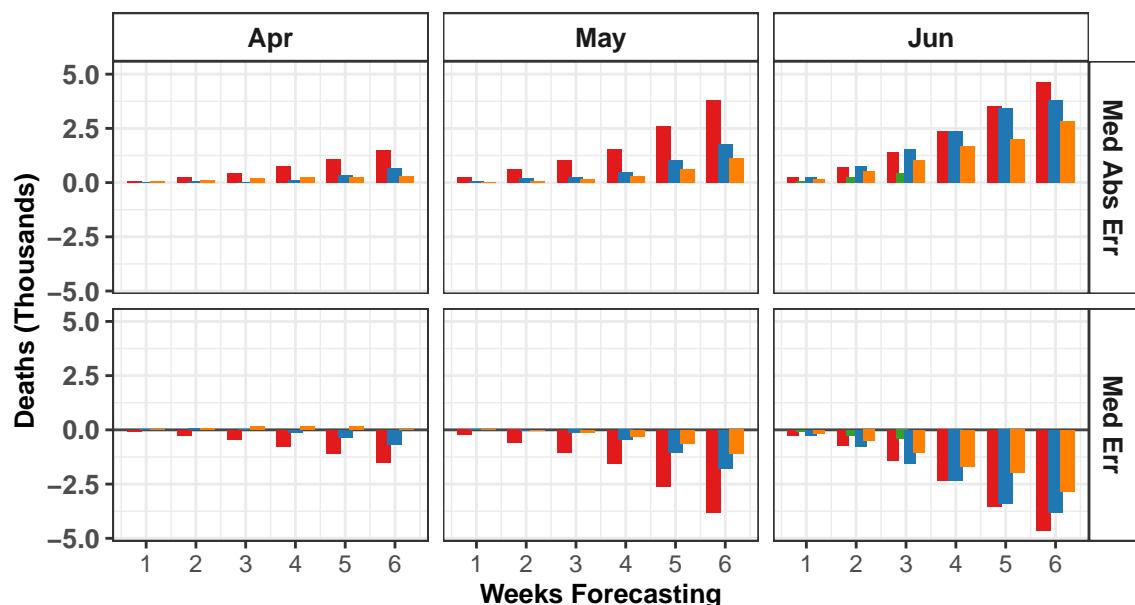


# Iran

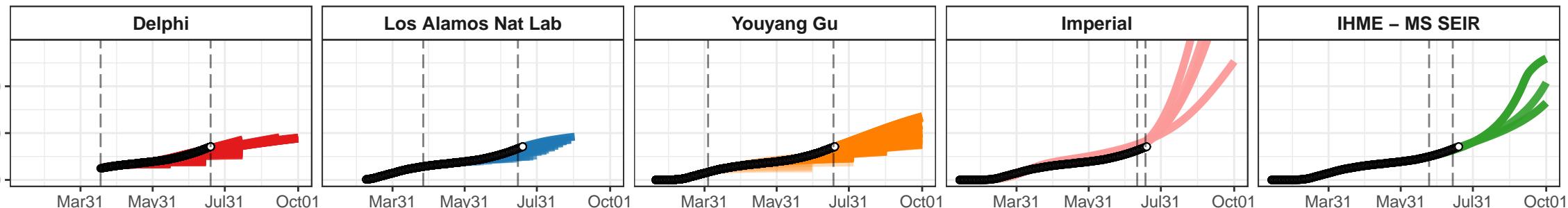
## Current Forecast



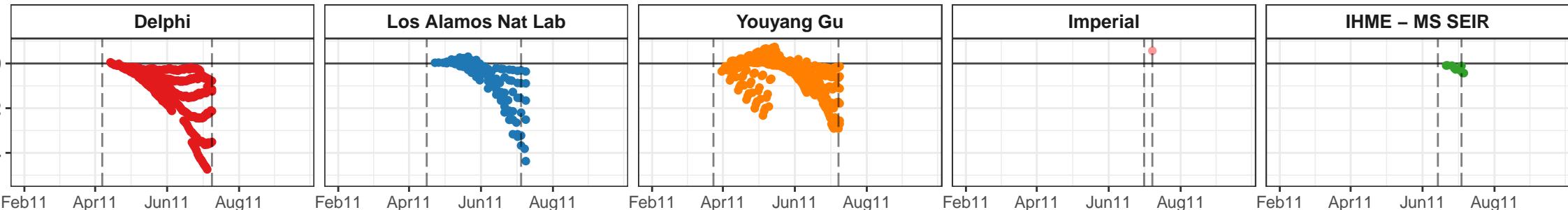
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

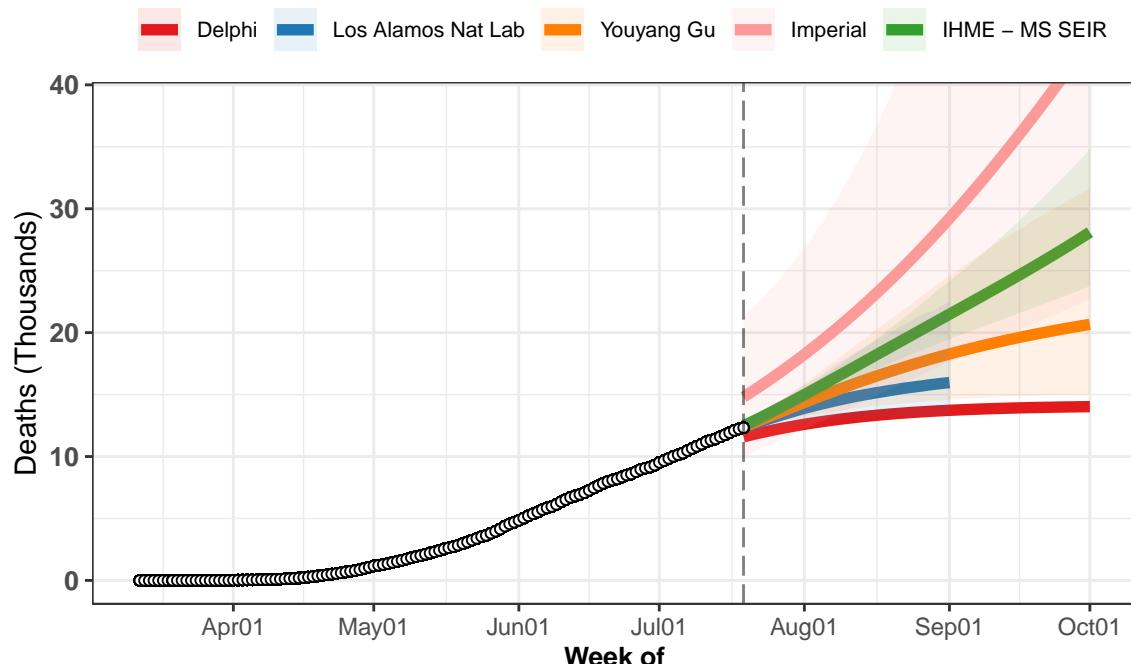


## All Cumulative Errors

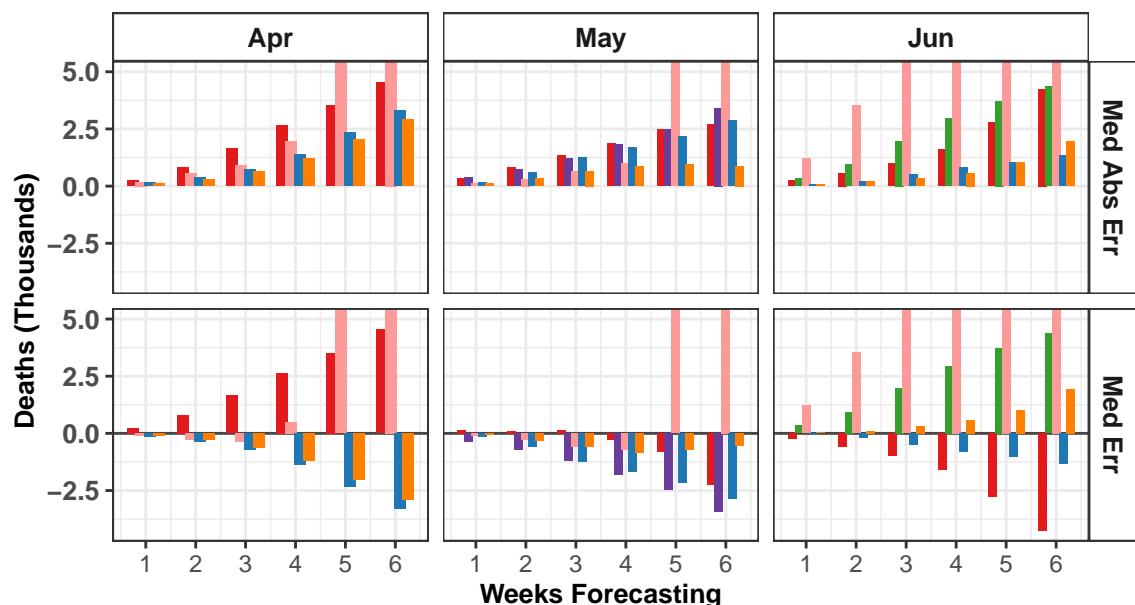


# Russian Federation

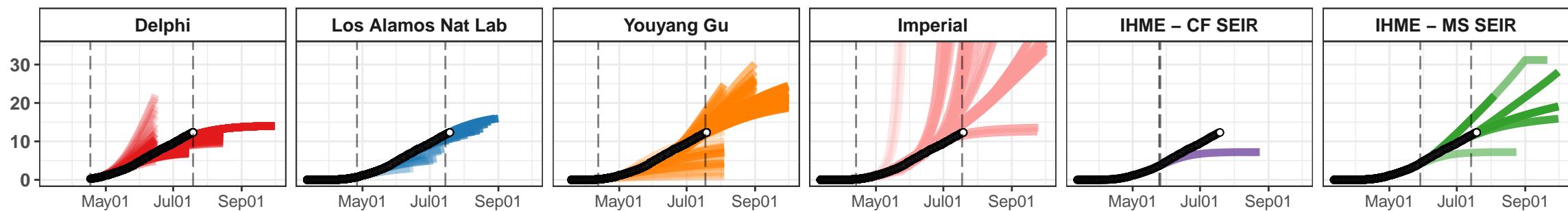
## Current Forecast



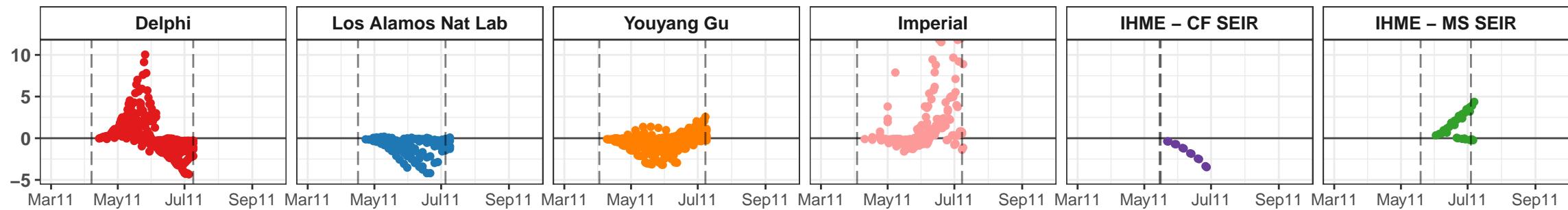
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



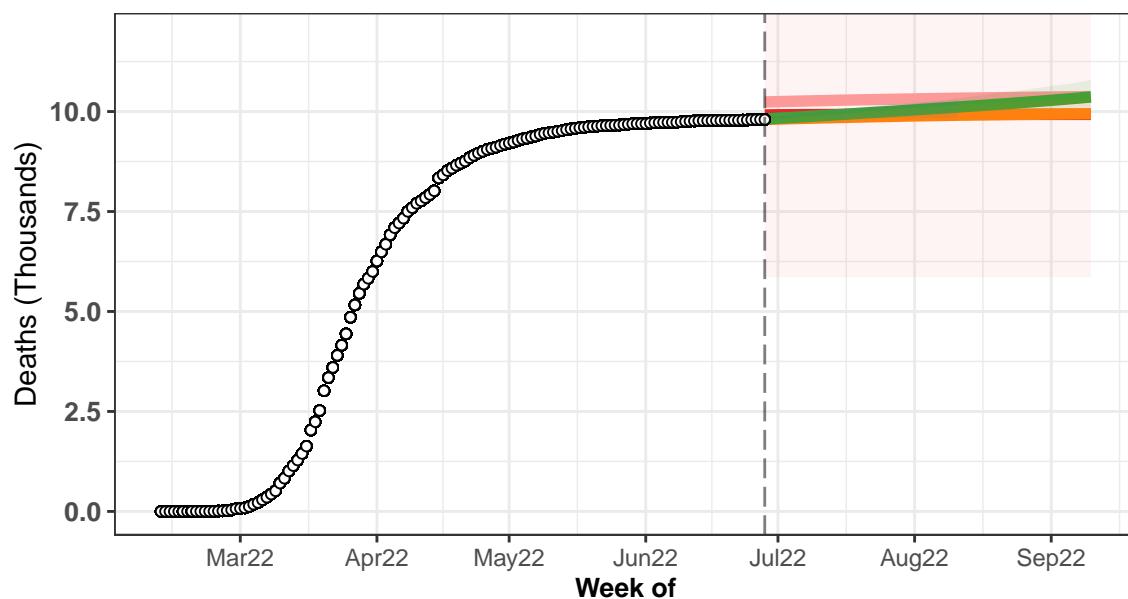
## All Cumulative Errors



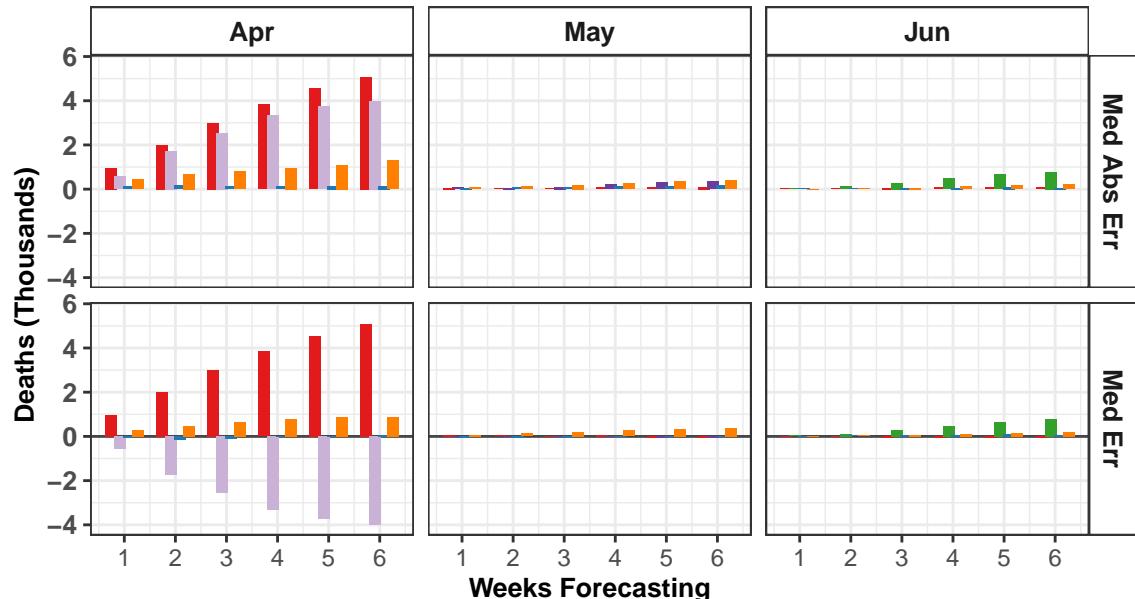
# Belgium

## Current Forecast

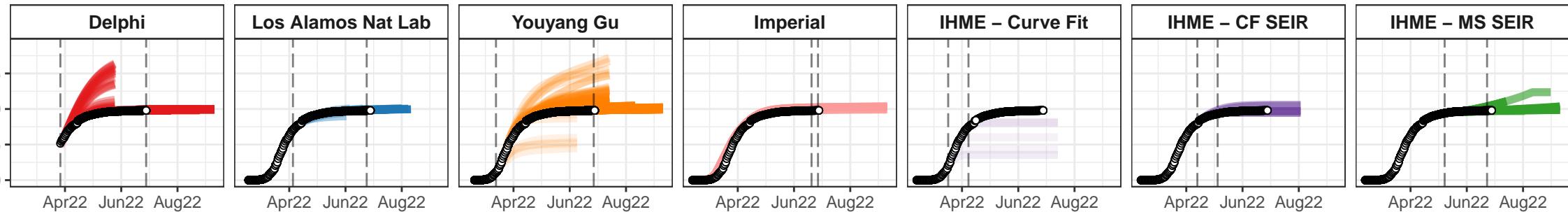
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



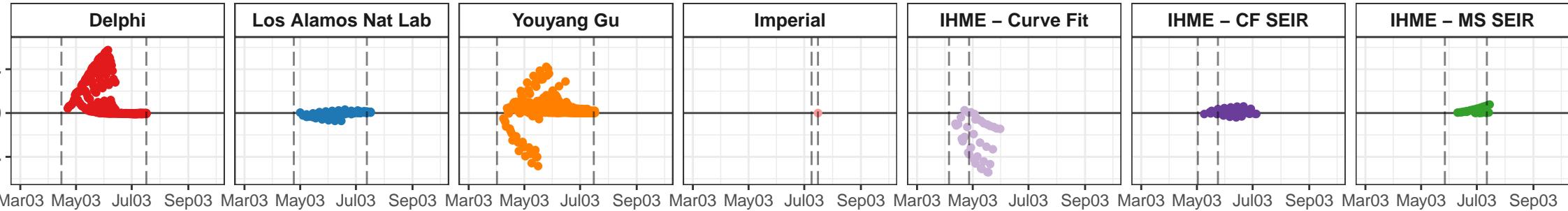
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



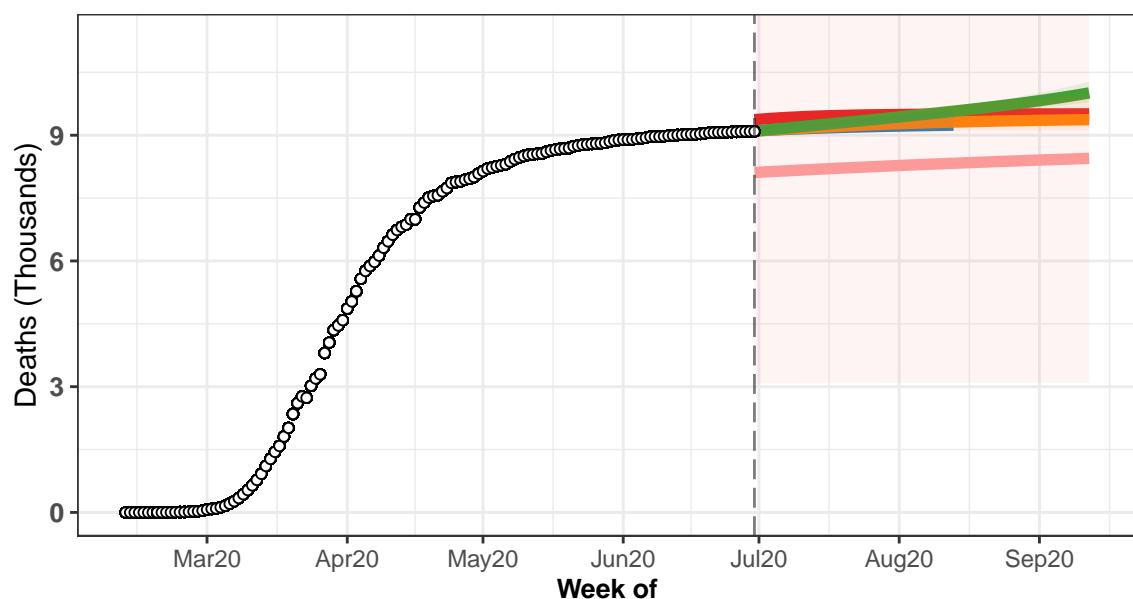
## All Cumulative Errors



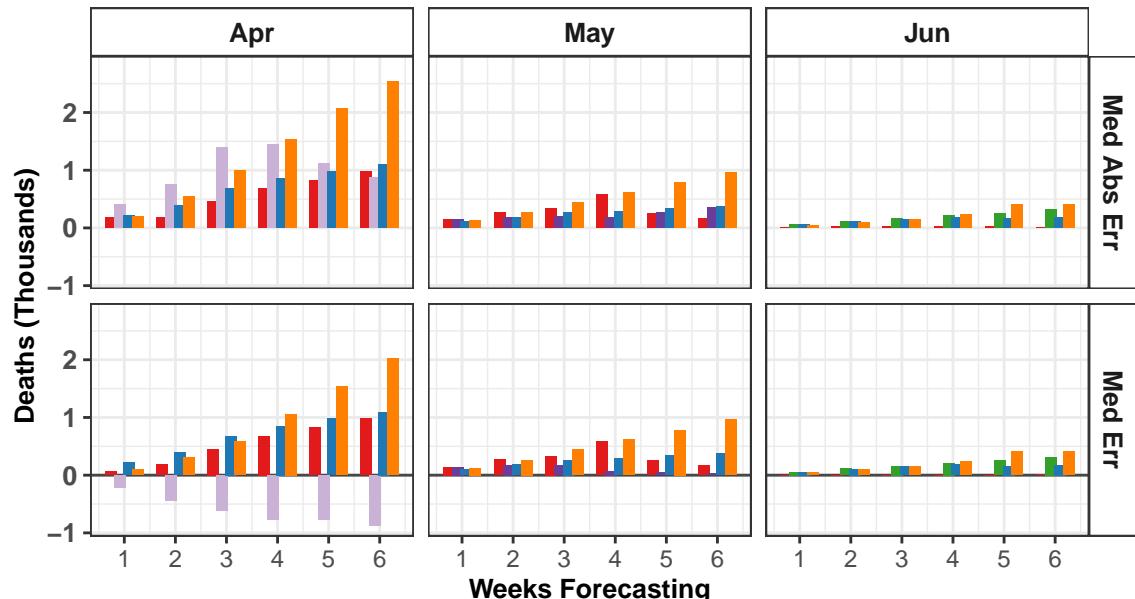
# Germany

## Current Forecast

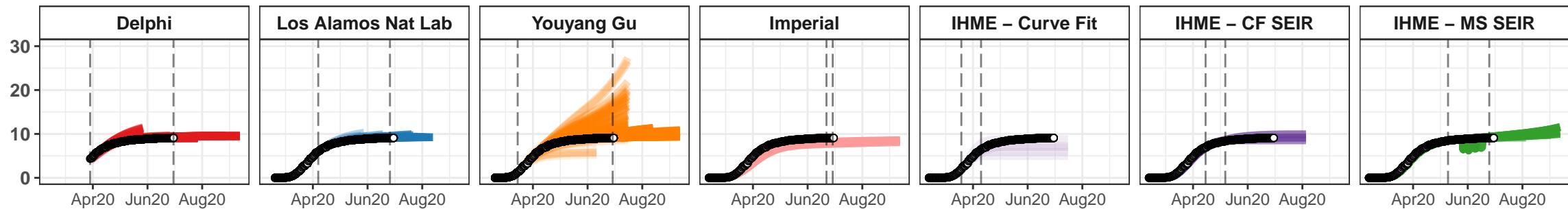
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



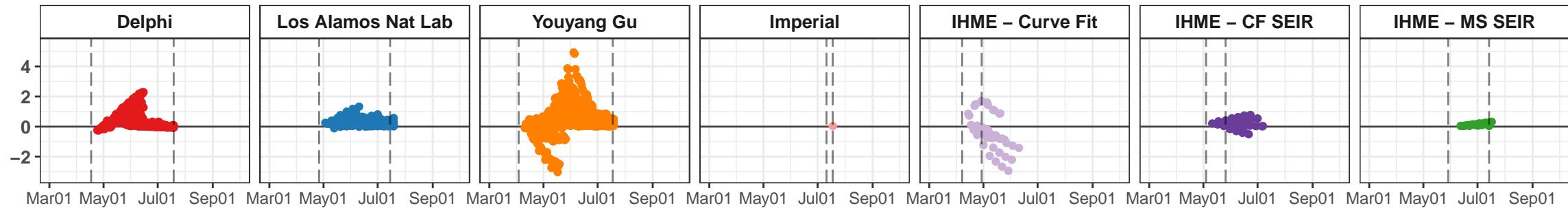
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



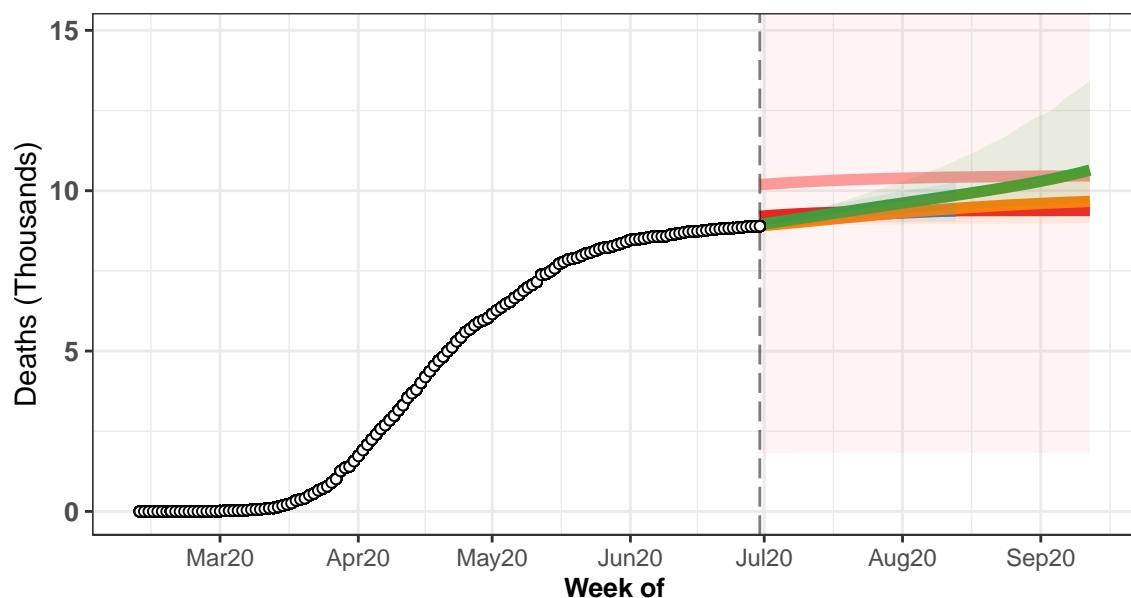
## All Cumulative Errors



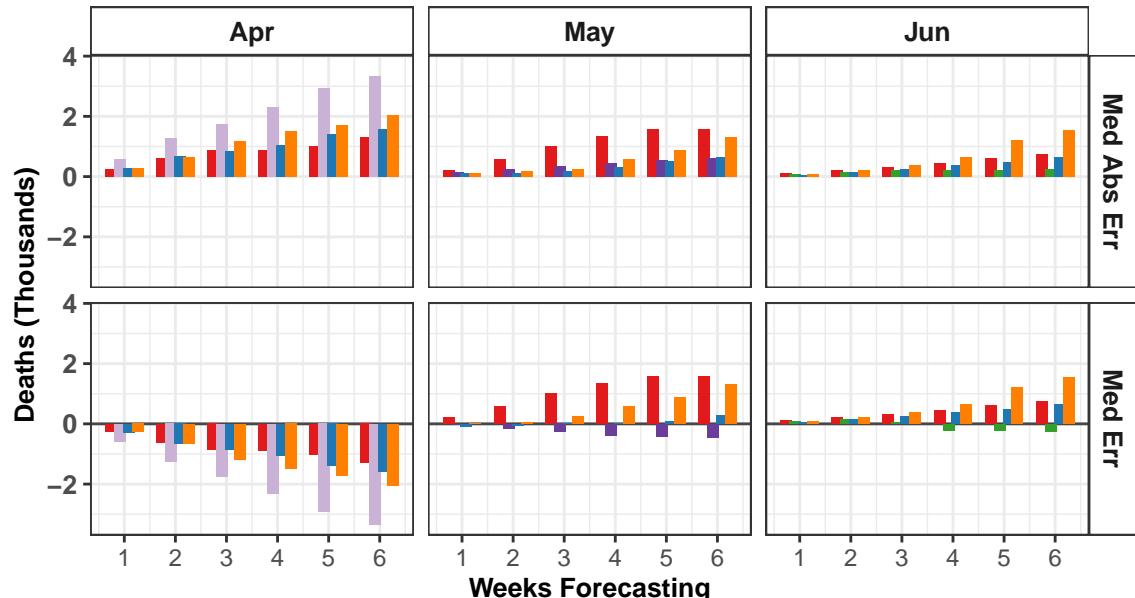
# Canada

## Current Forecast

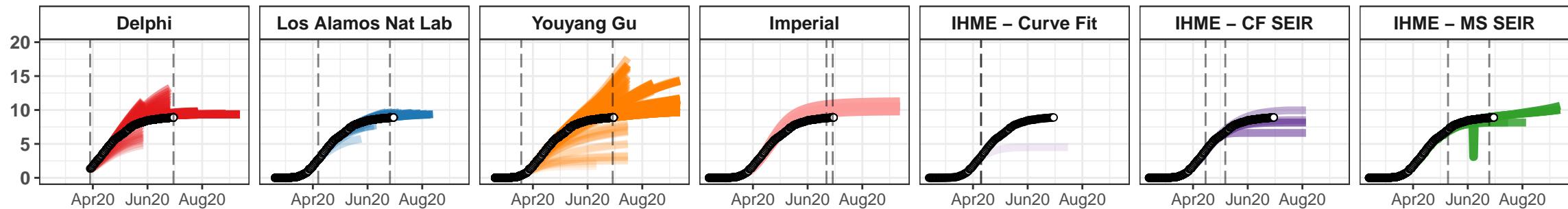
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



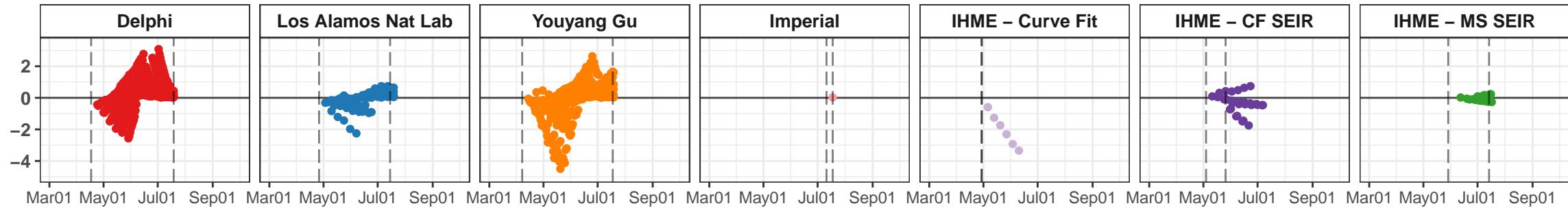
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

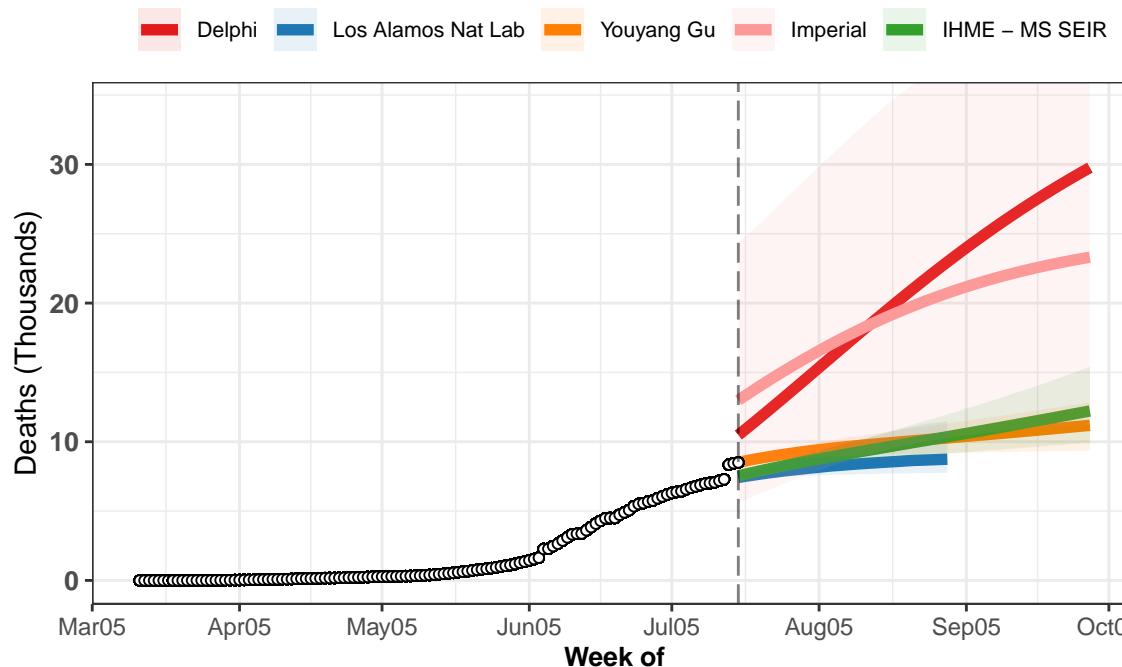


## All Cumulative Errors

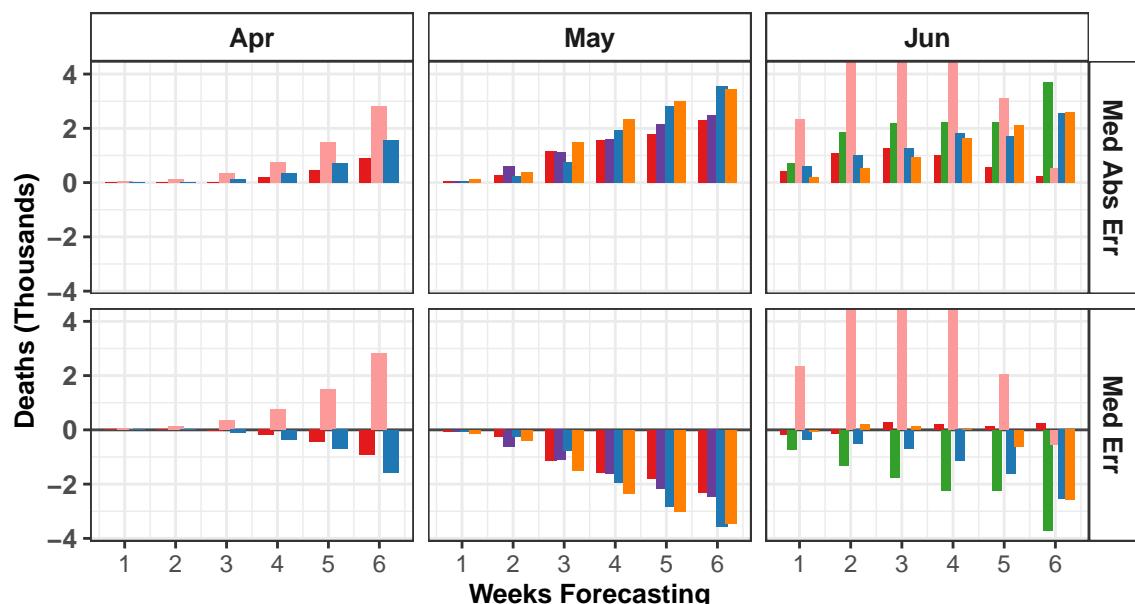


# Chile

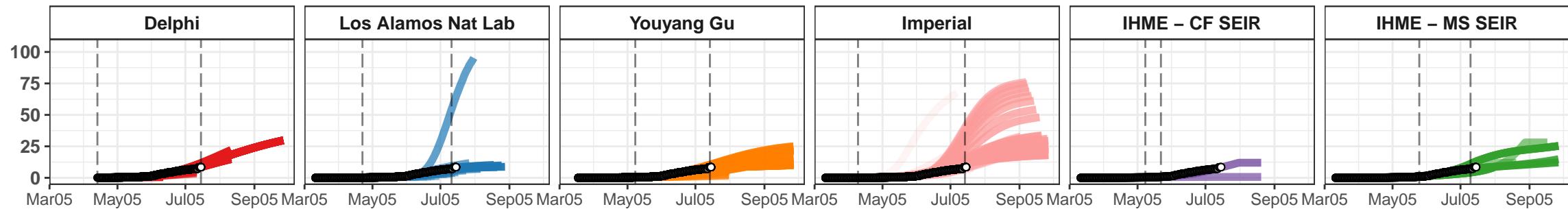
## Current Forecast



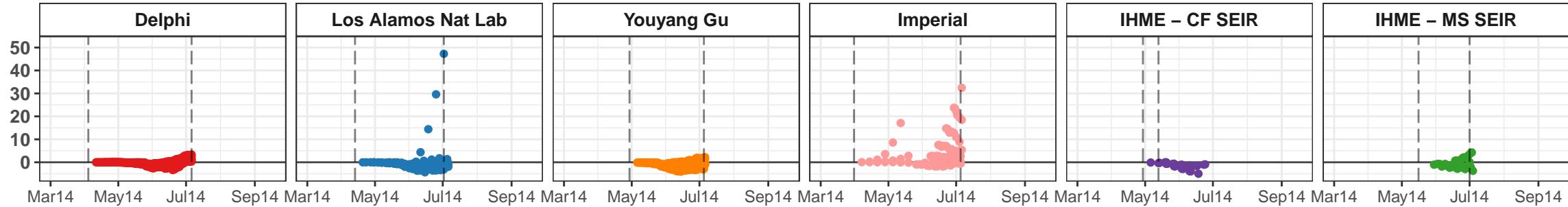
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



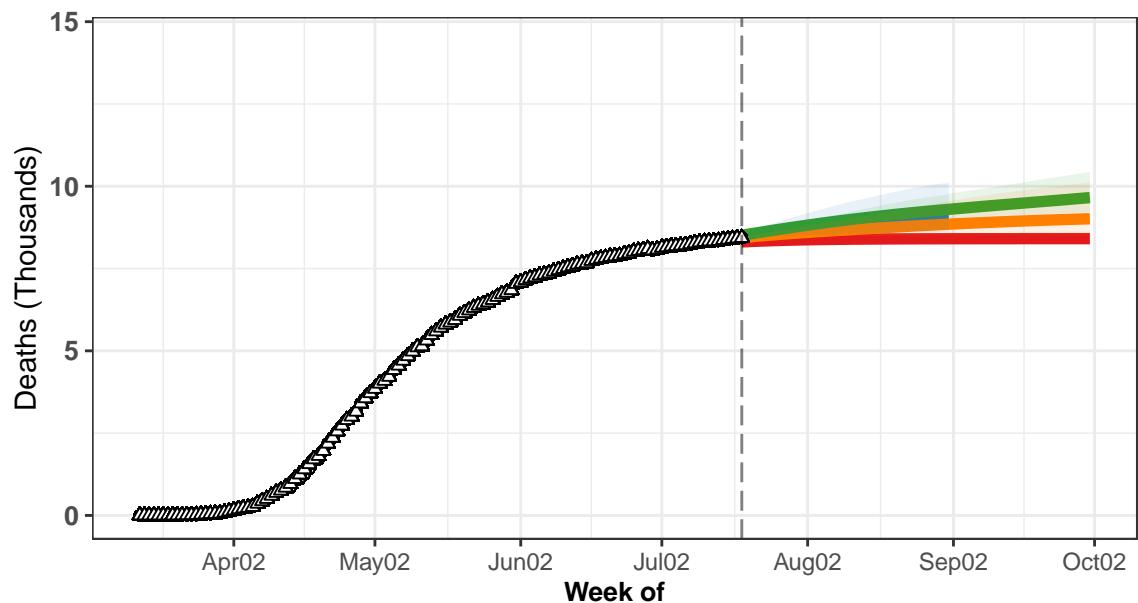
## All Cumulative Errors



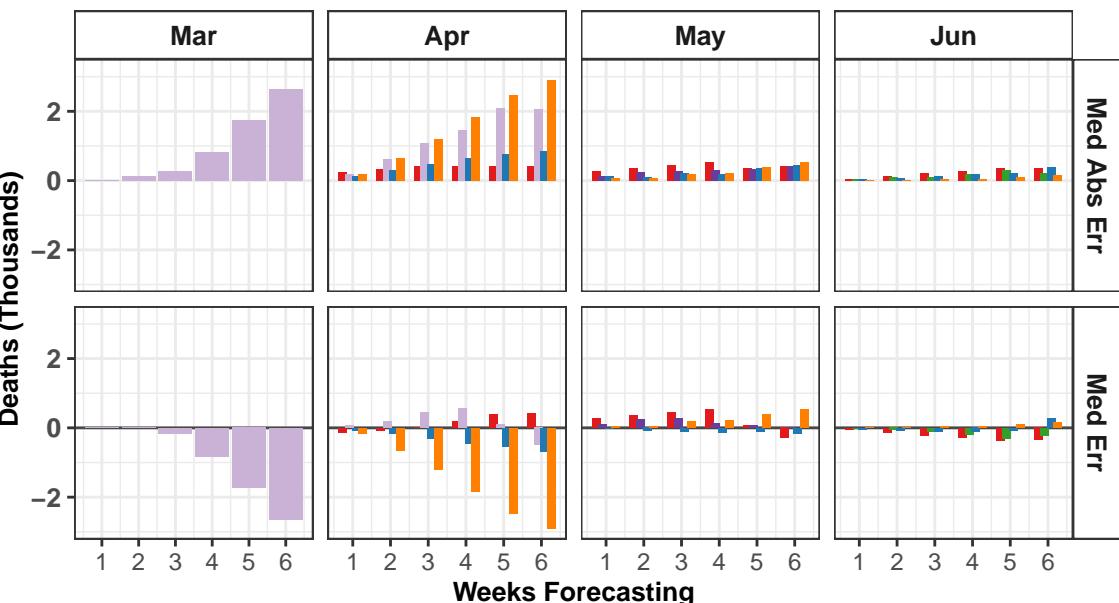
# Massachusetts

## Current Forecast

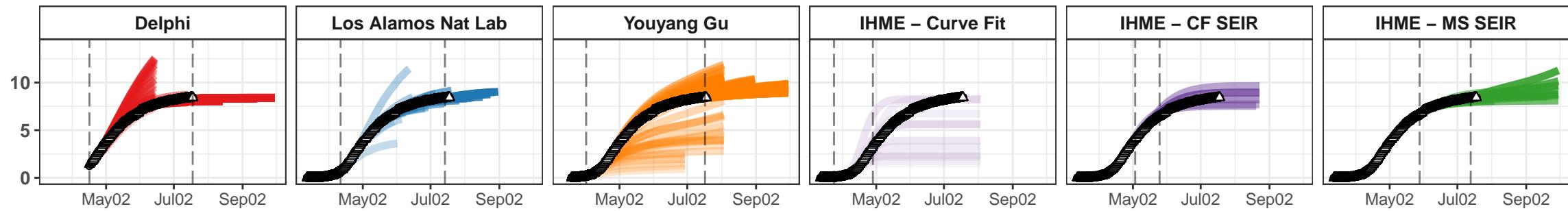
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



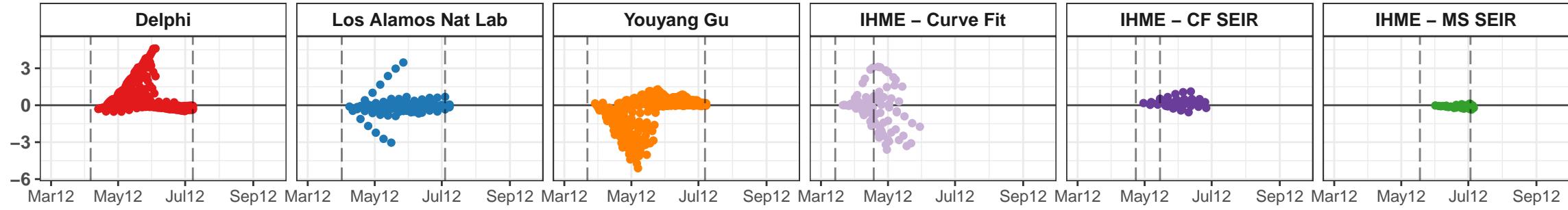
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



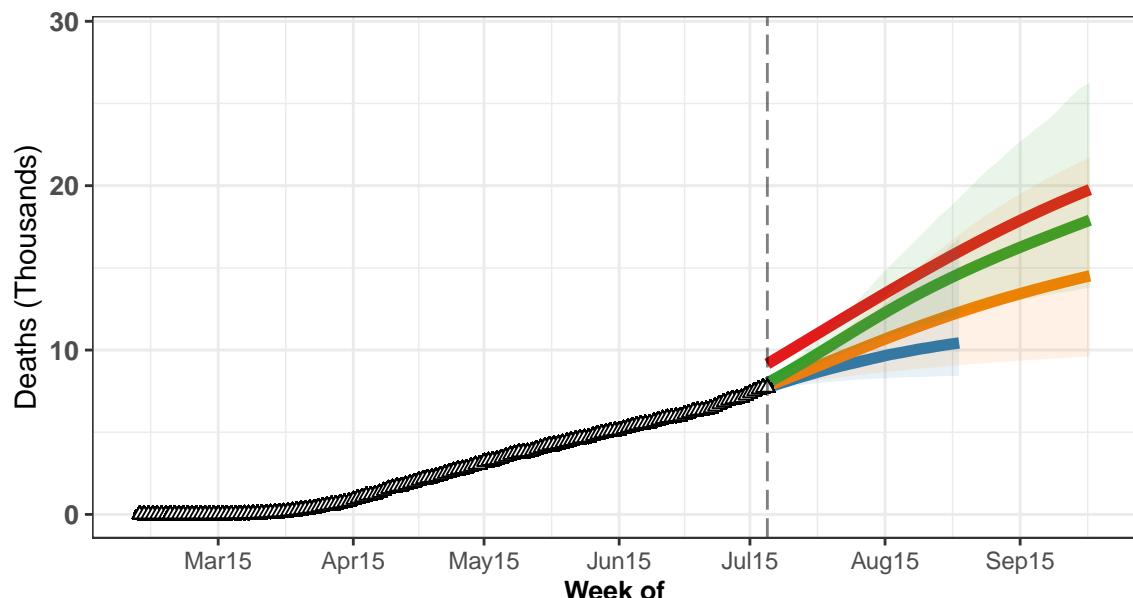
## All Cumulative Errors



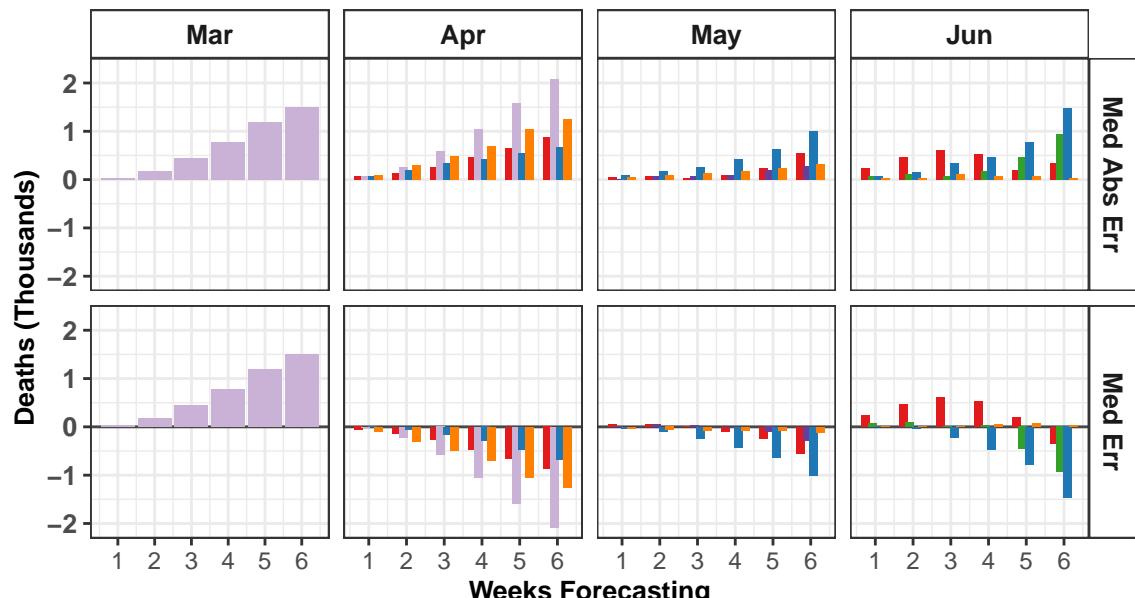
# California

## Current Forecast

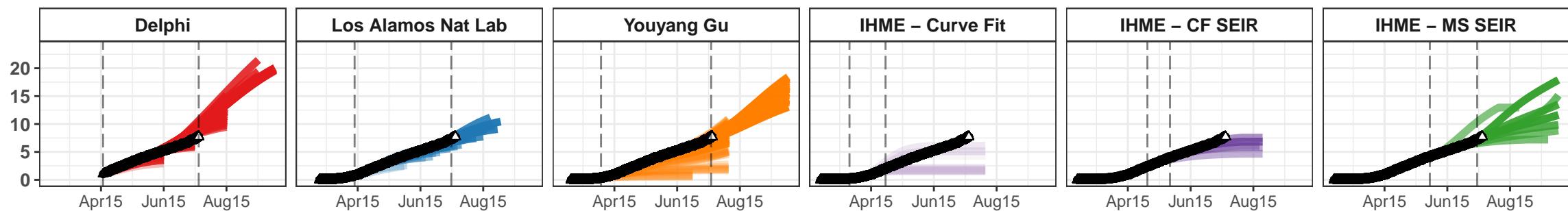
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



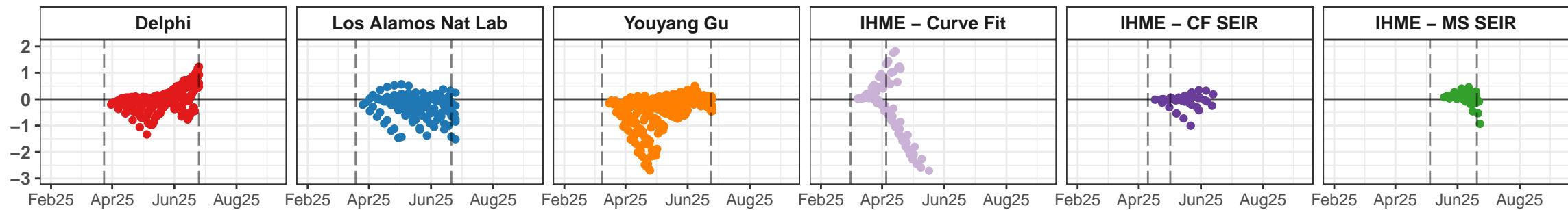
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



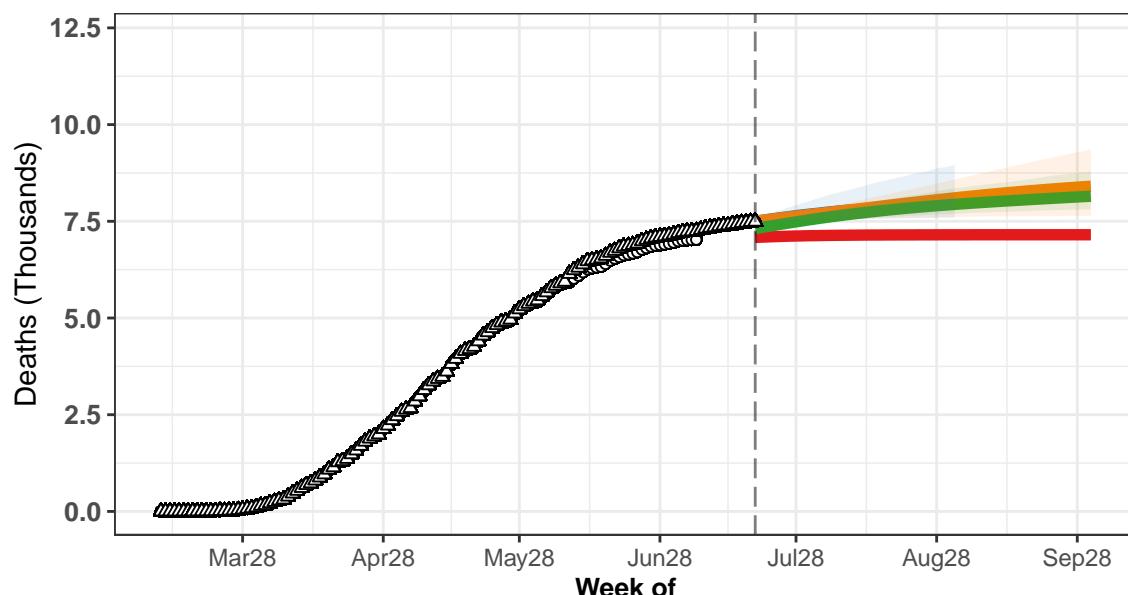
## All Cumulative Errors



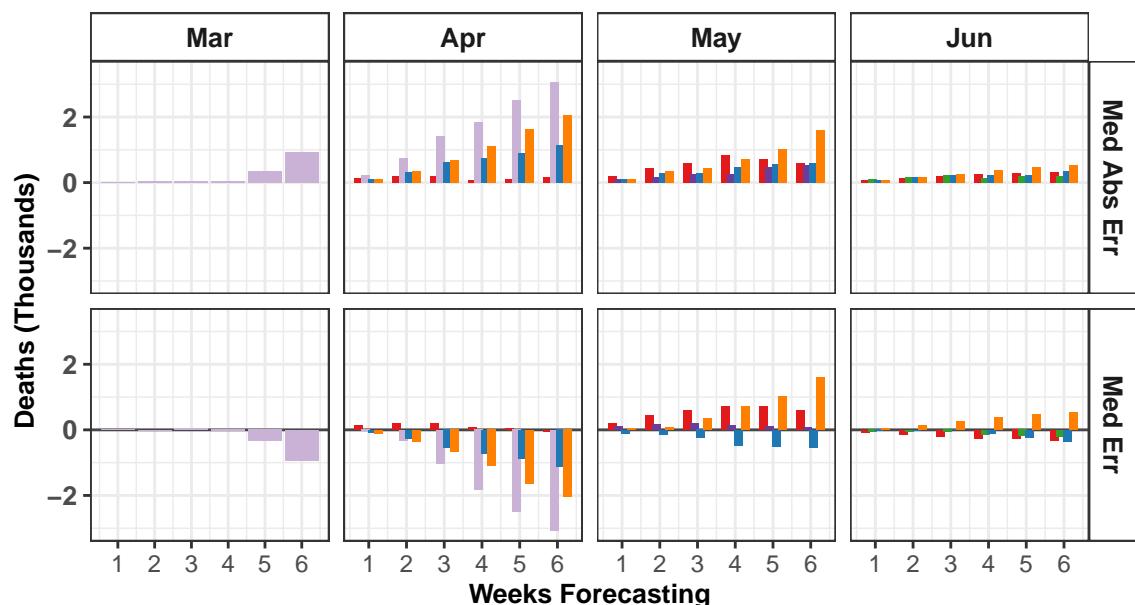
# Illinois

## Current Forecast

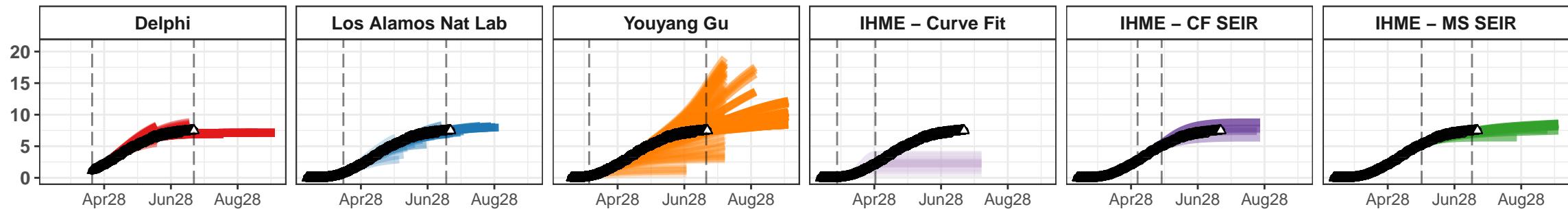
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NY



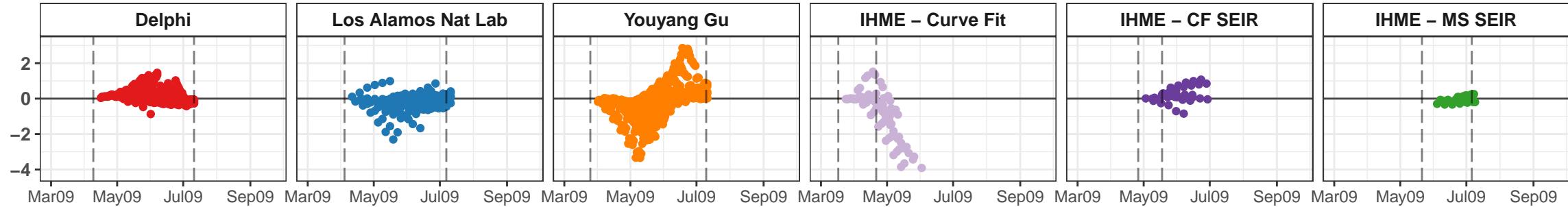
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



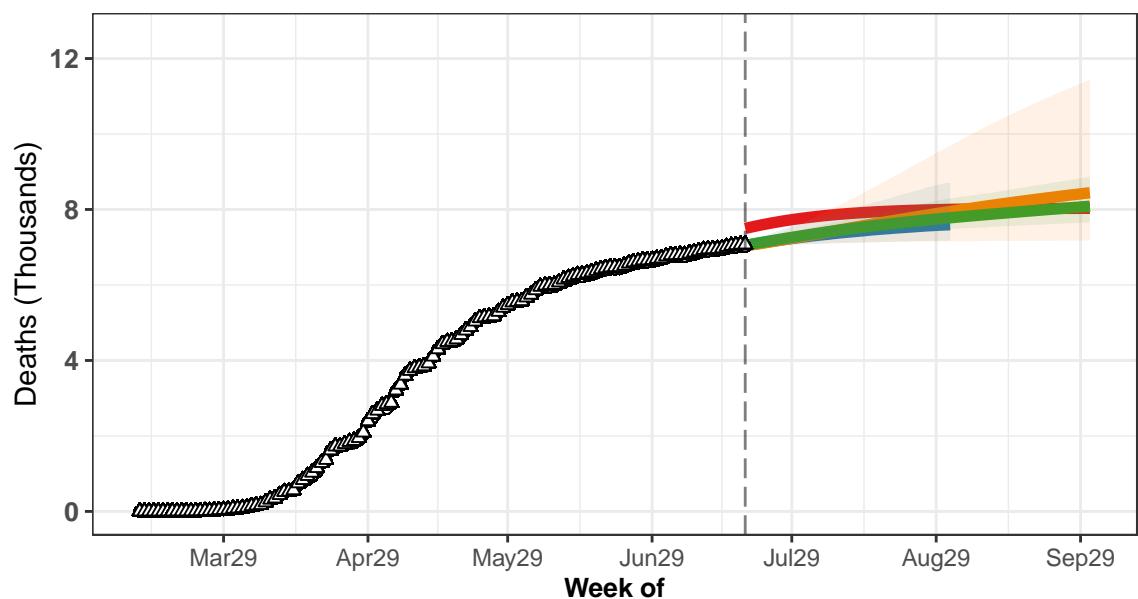
## All Cumulative Errors



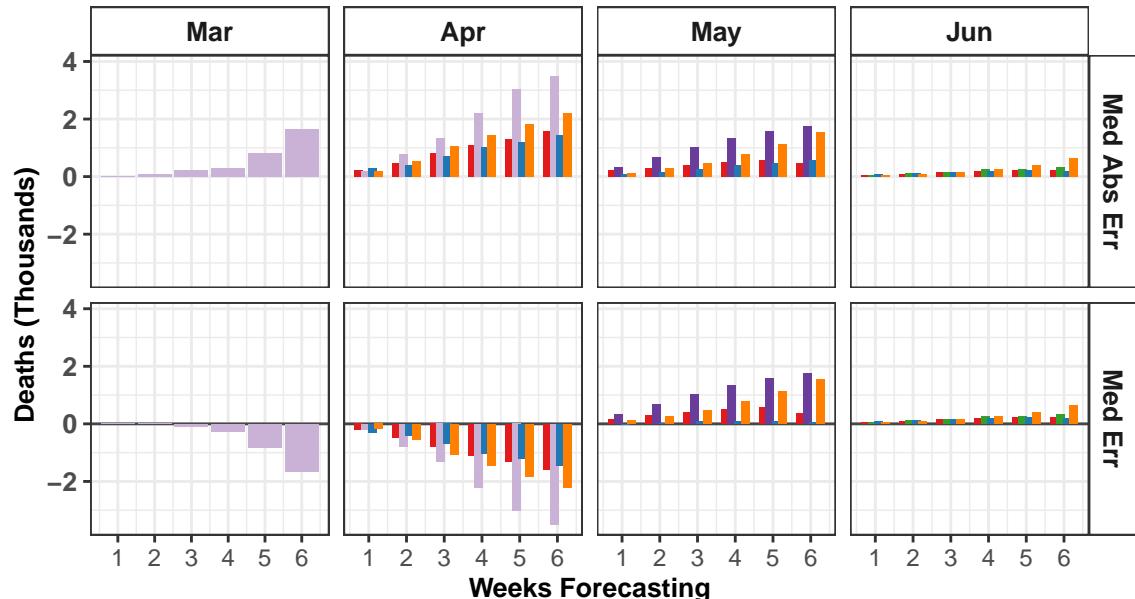
# Pennsylvania

## Current Forecast

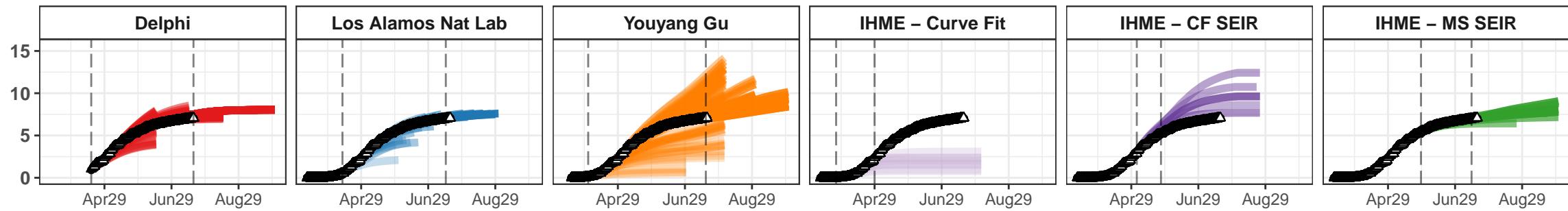
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



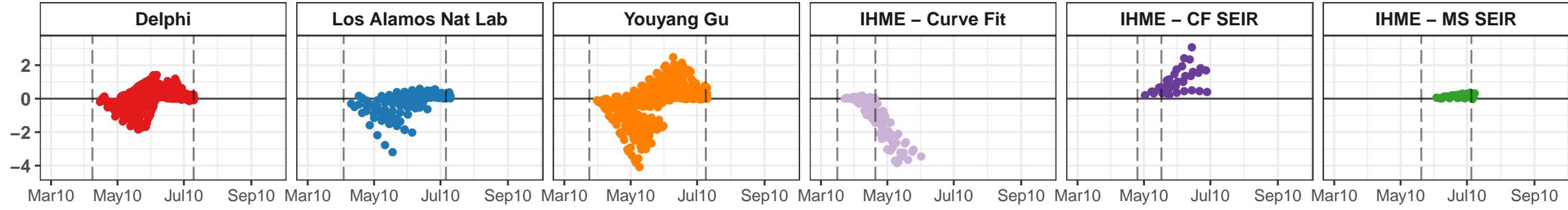
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

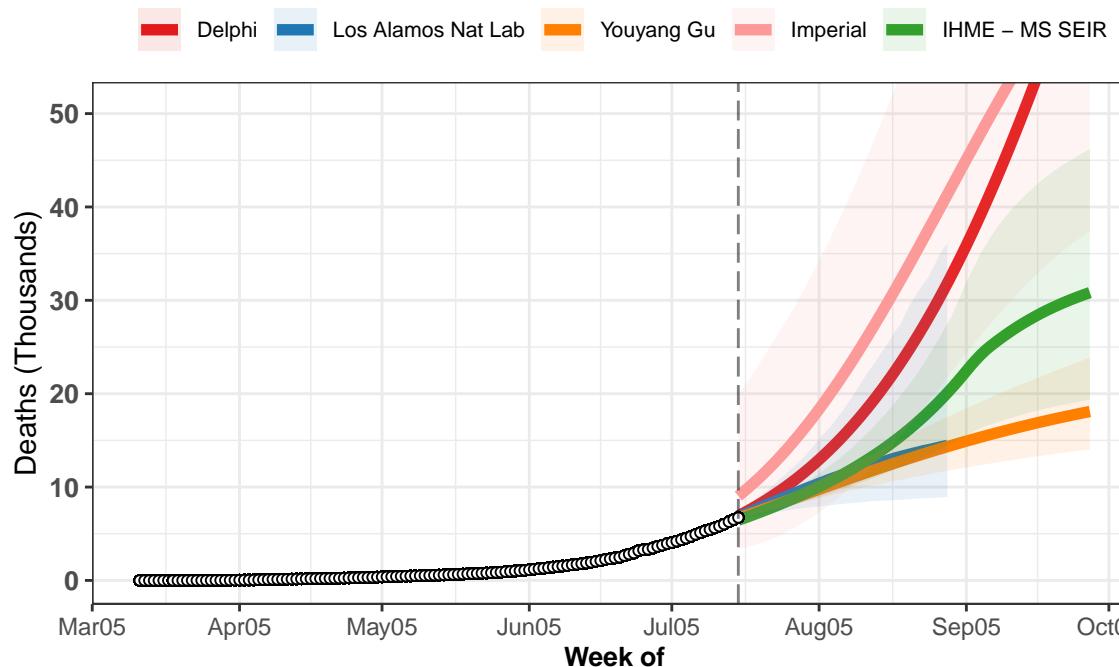


## All Cumulative Errors

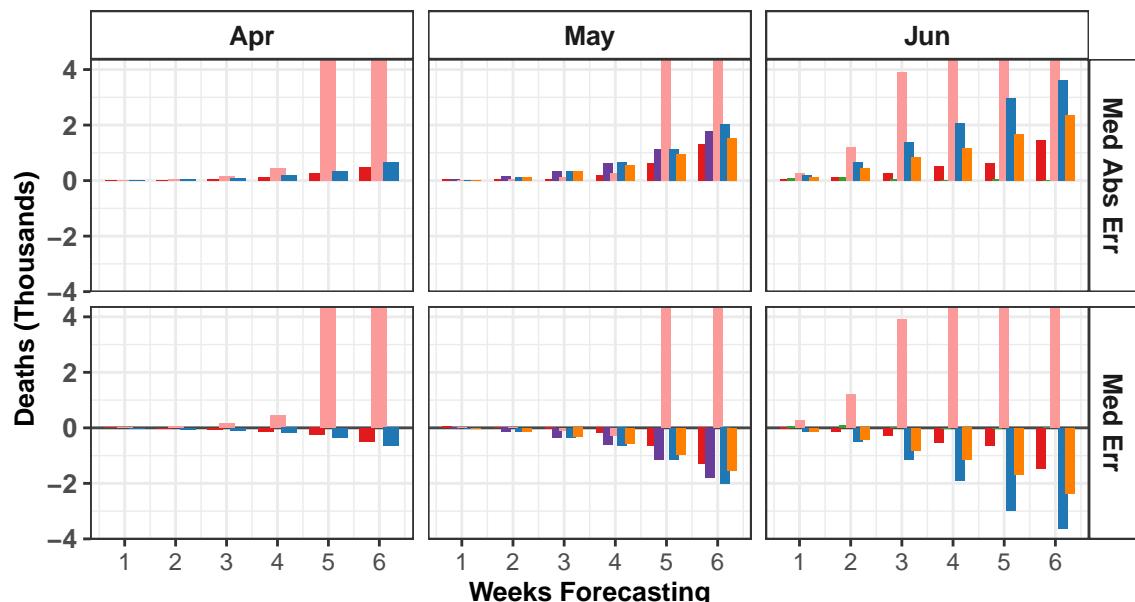


# Colombia

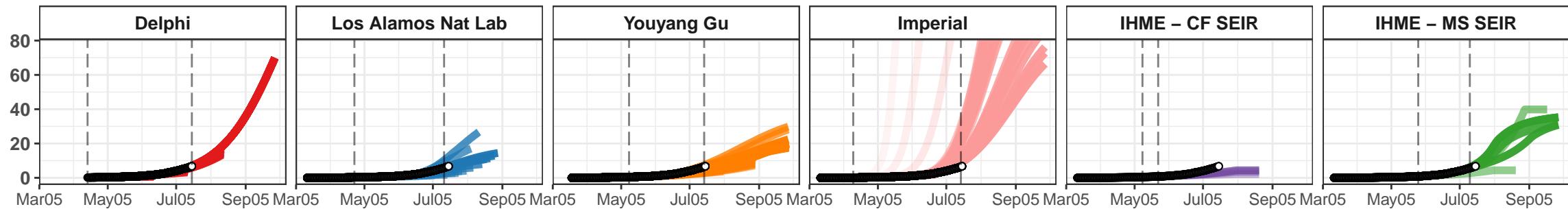
## Current Forecast



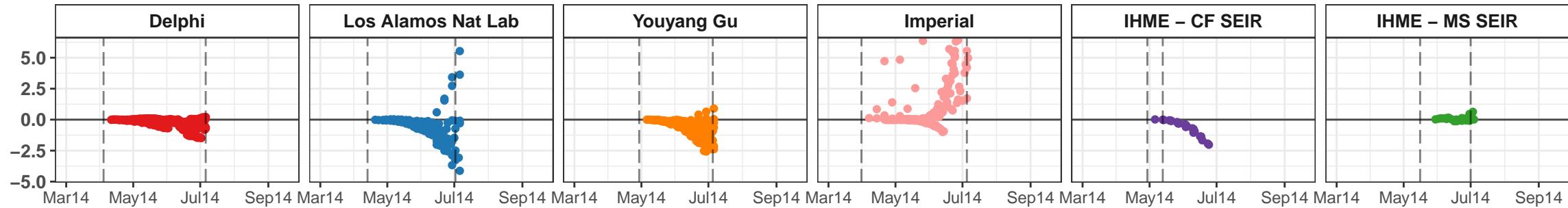
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



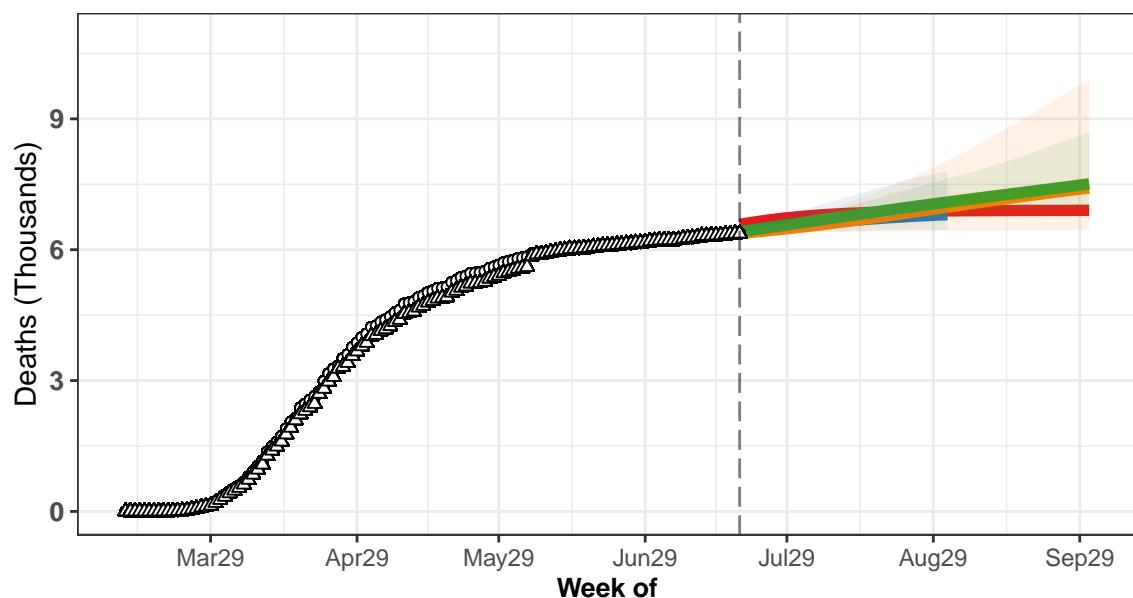
## All Cumulative Errors



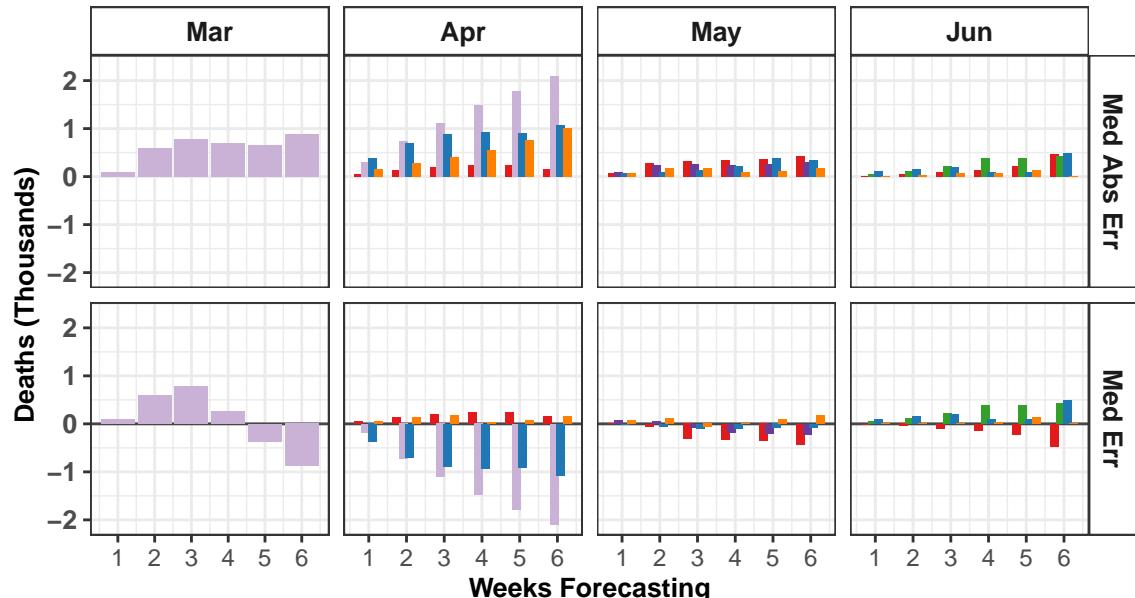
# Michigan

## Current Forecast

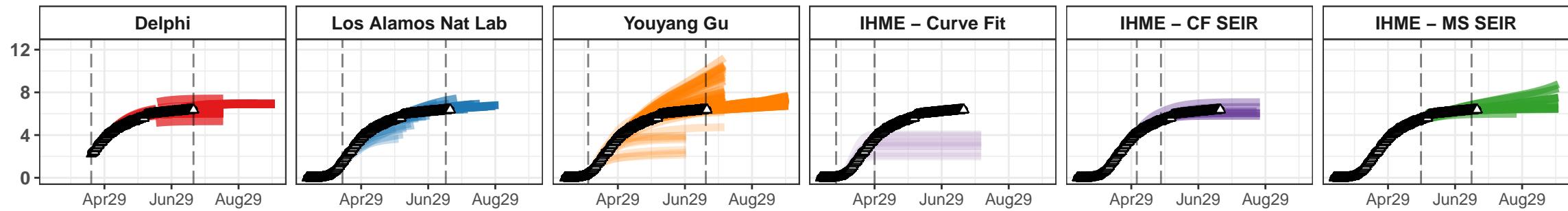
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



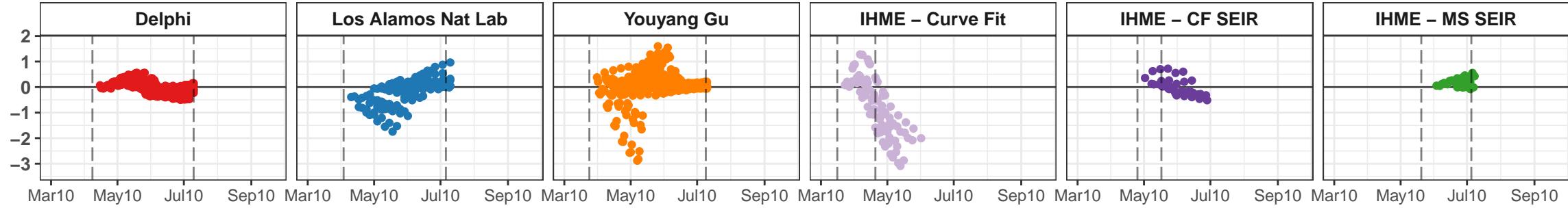
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



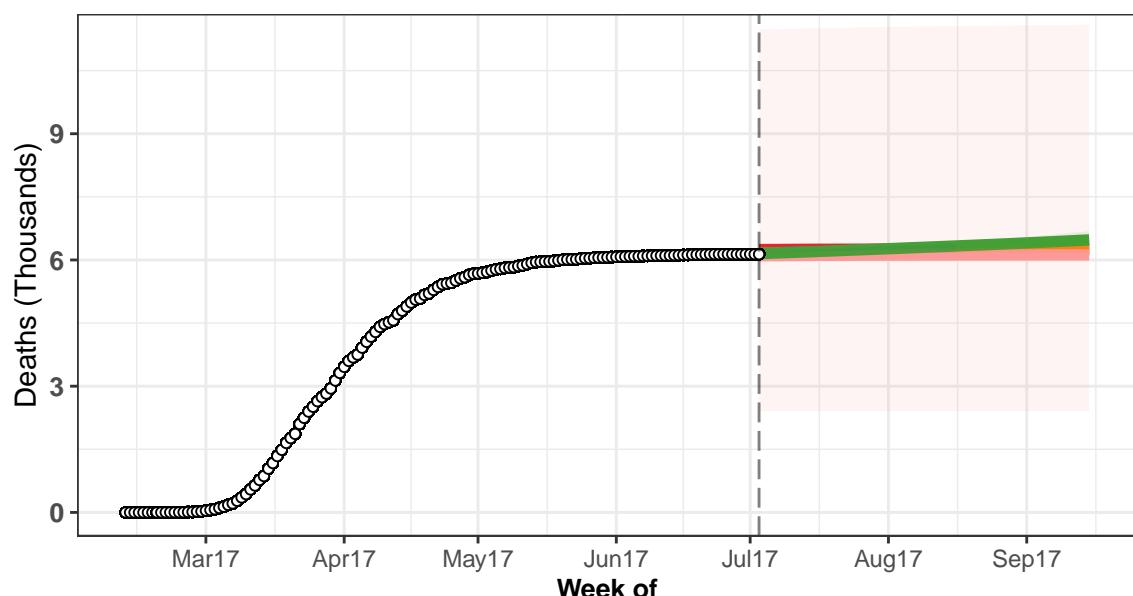
## All Cumulative Errors



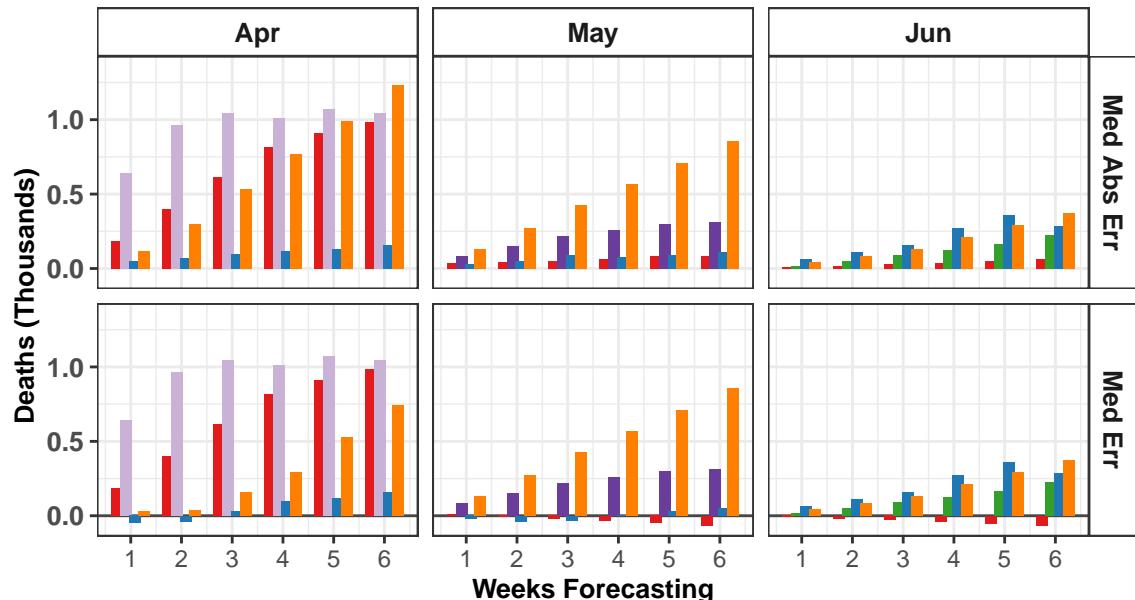
# Netherlands

## Current Forecast

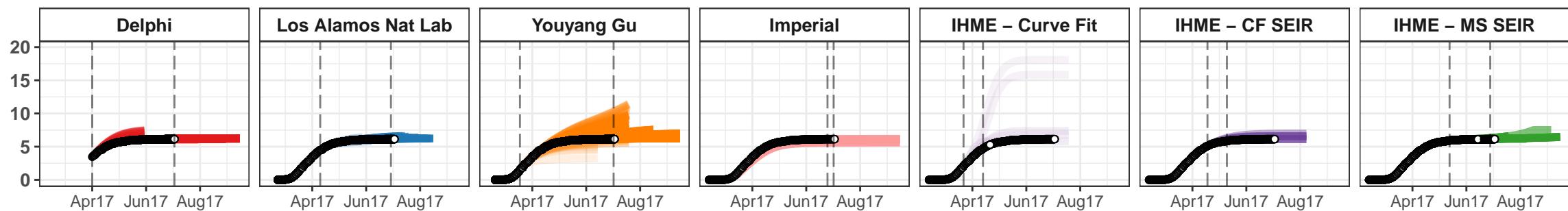
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



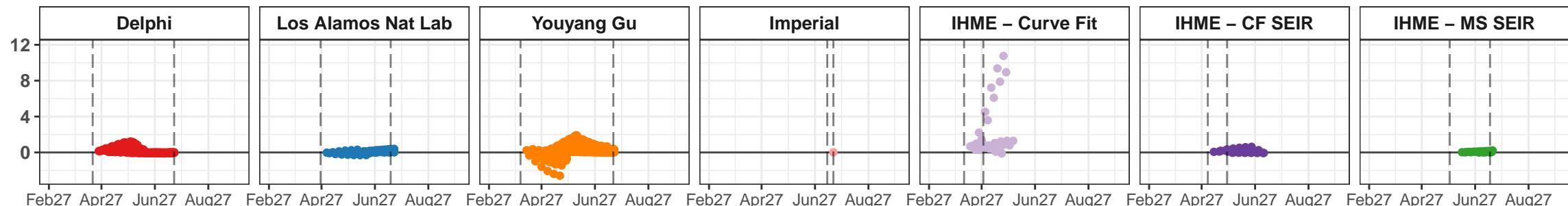
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

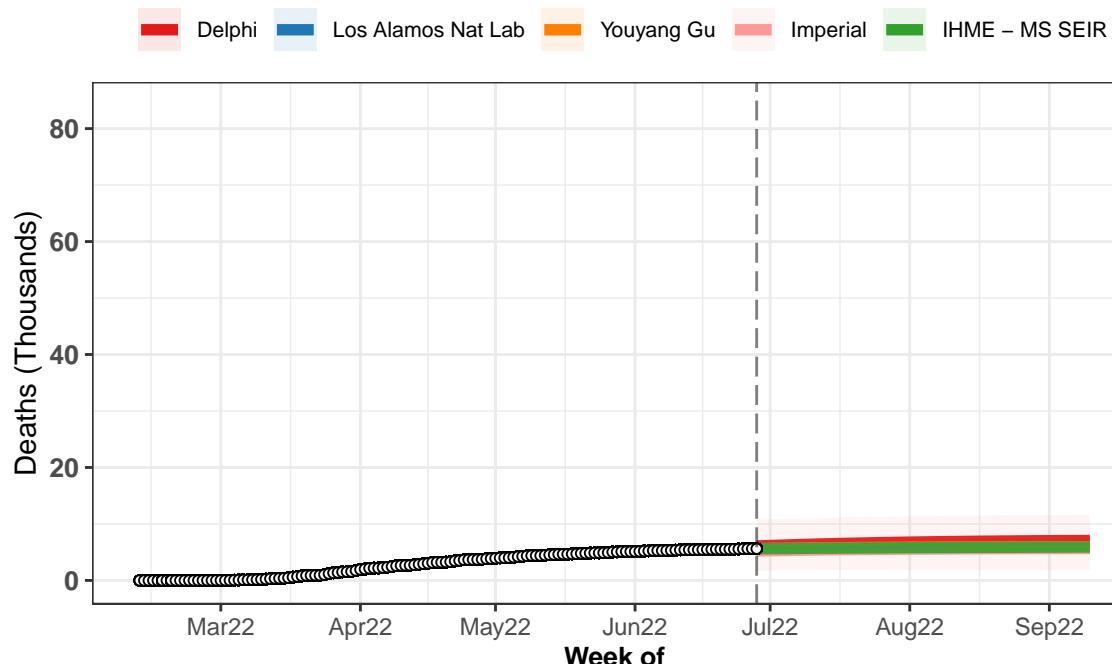


## All Cumulative Errors

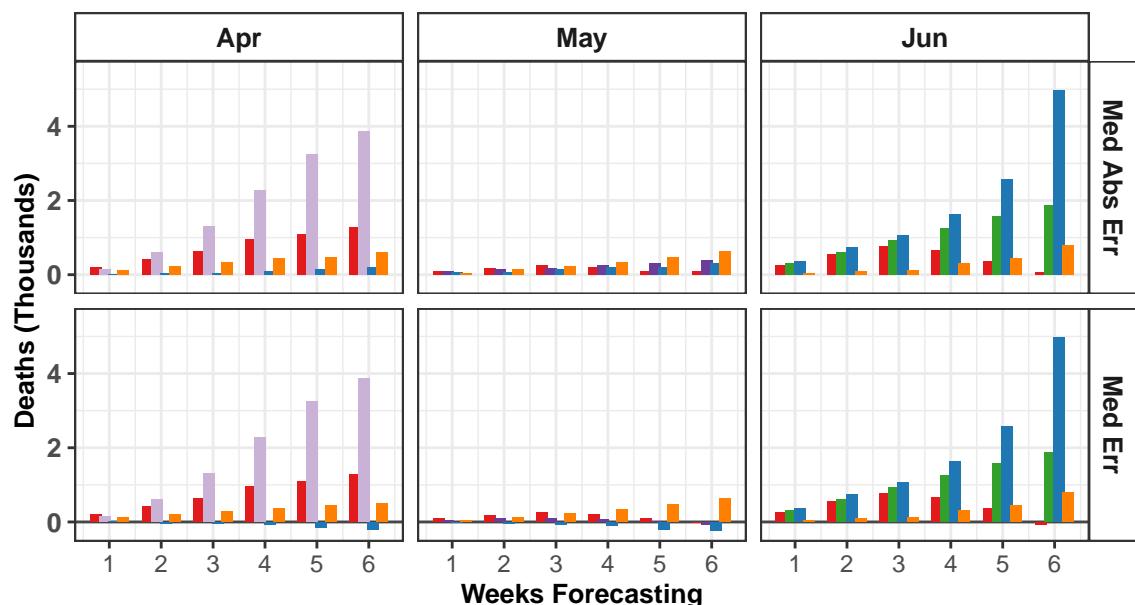


# Sweden

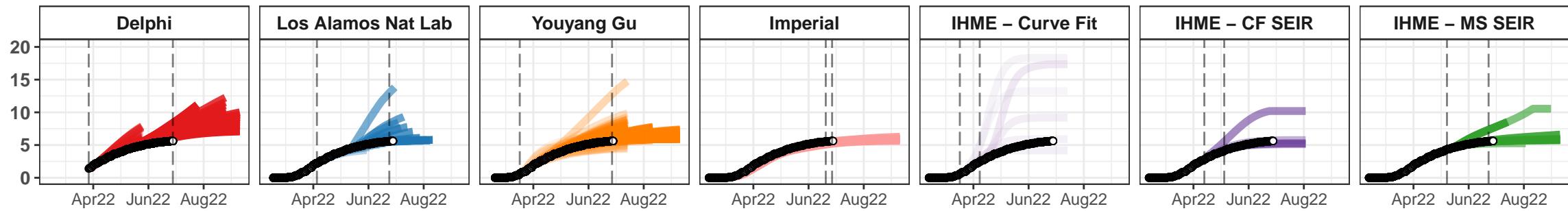
## Current Forecast



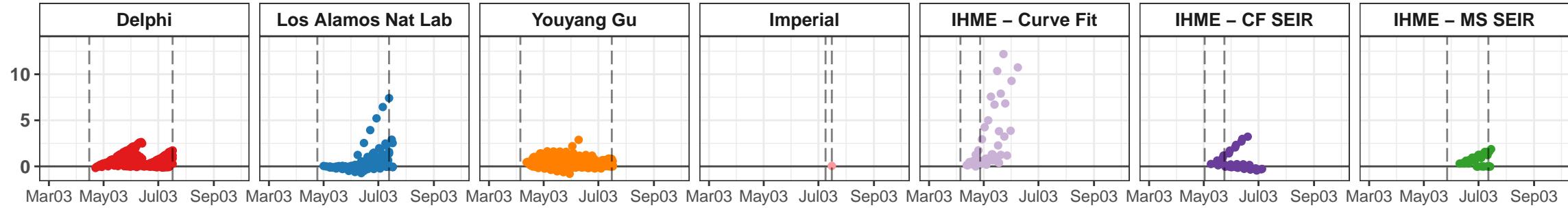
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

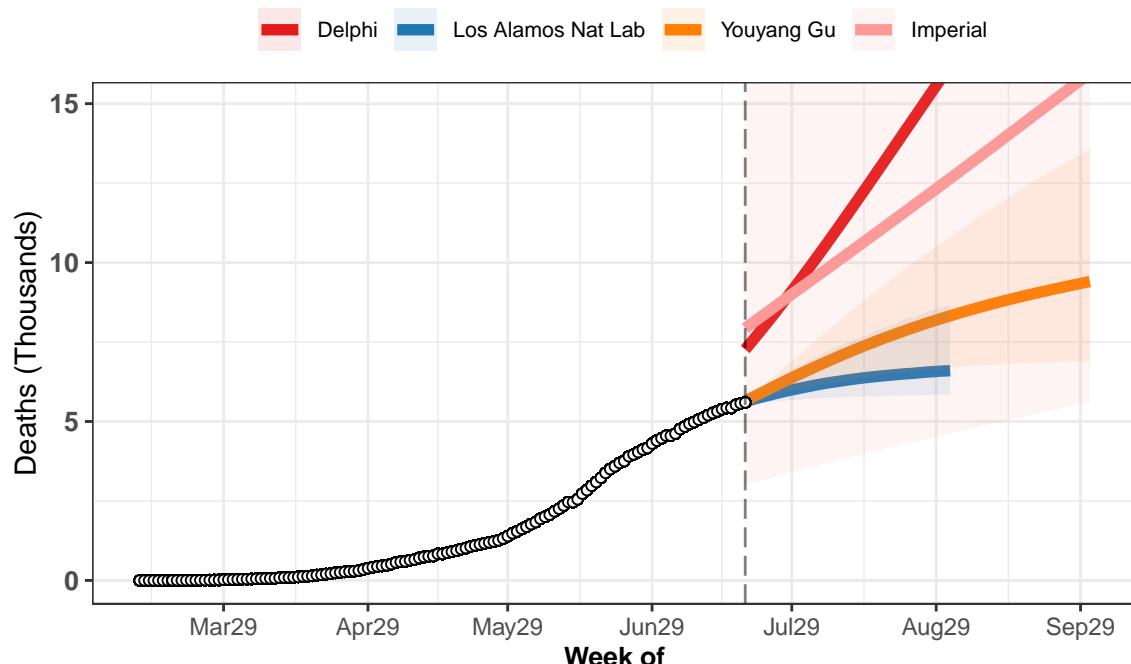


## All Cumulative Errors

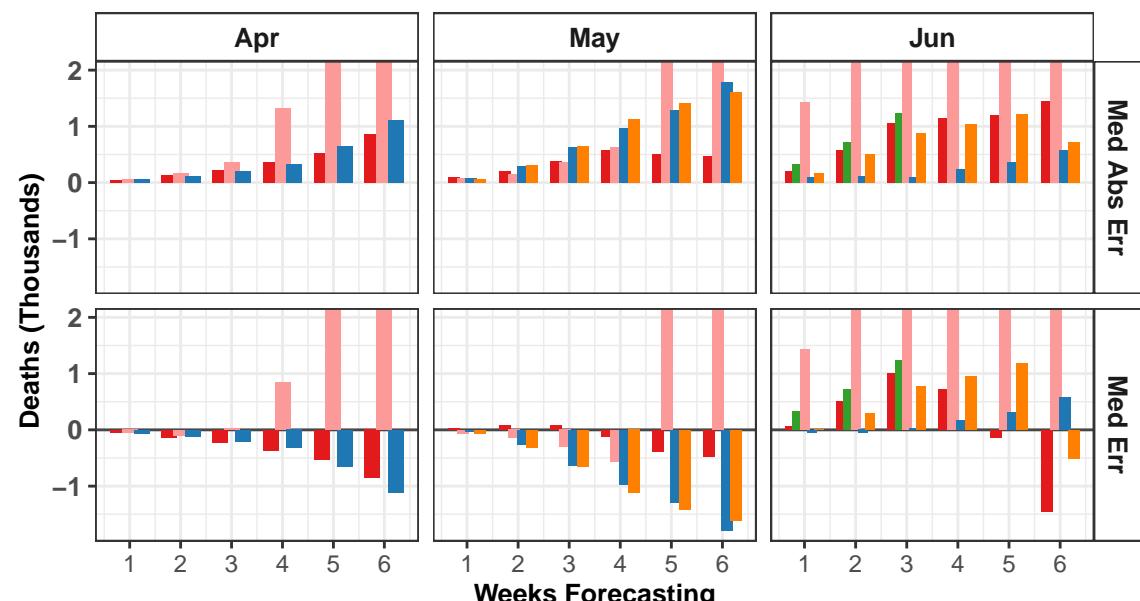


# Pakistan

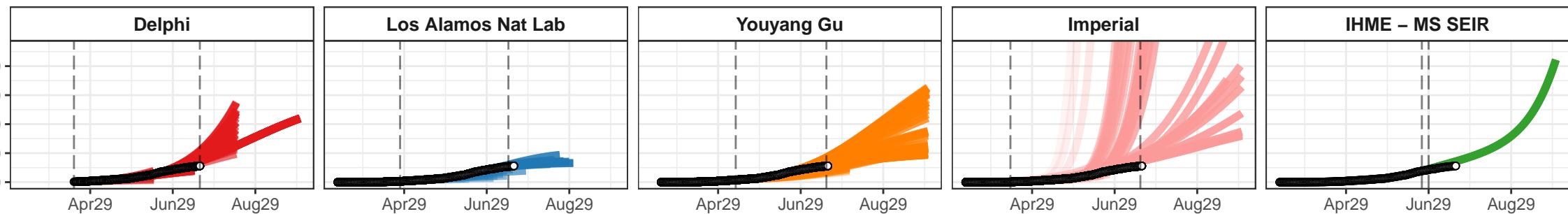
## Current Forecast



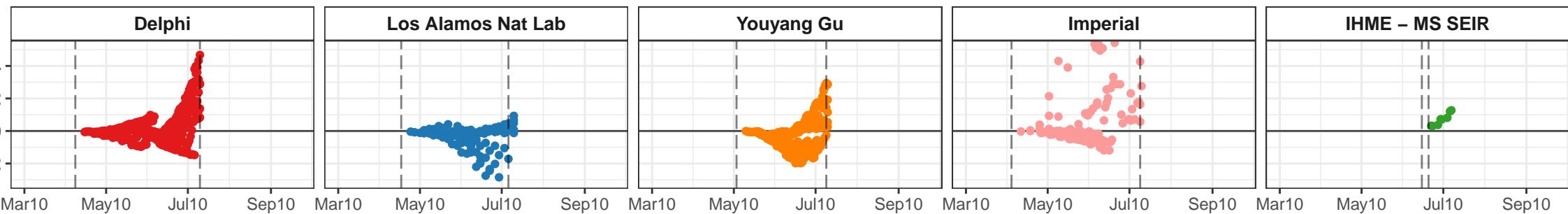
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



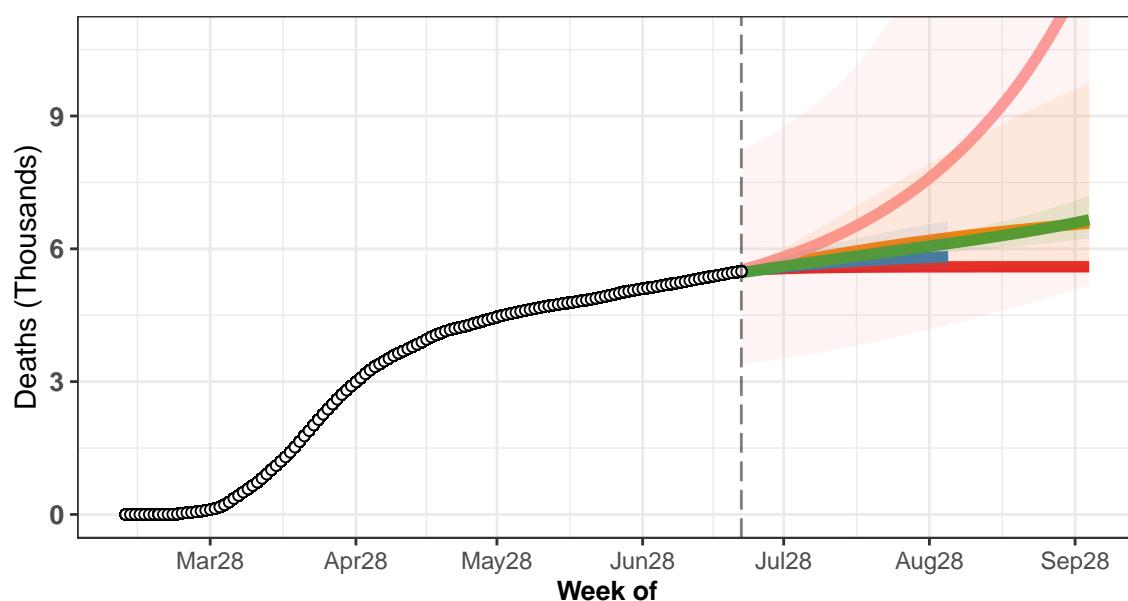
## All Cumulative Errors



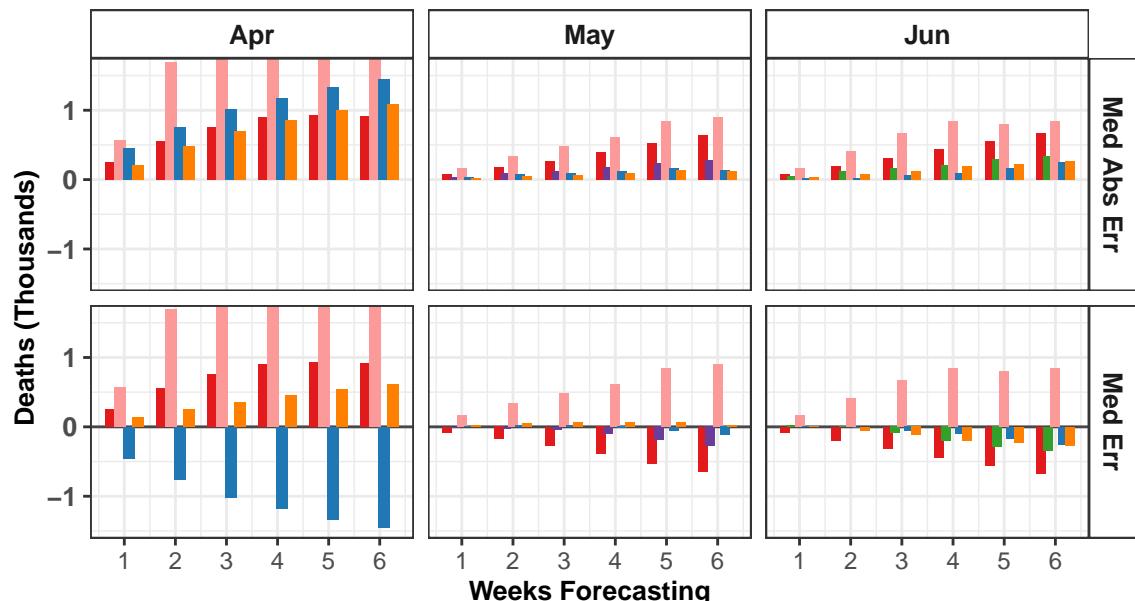
# Turkey

## Current Forecast

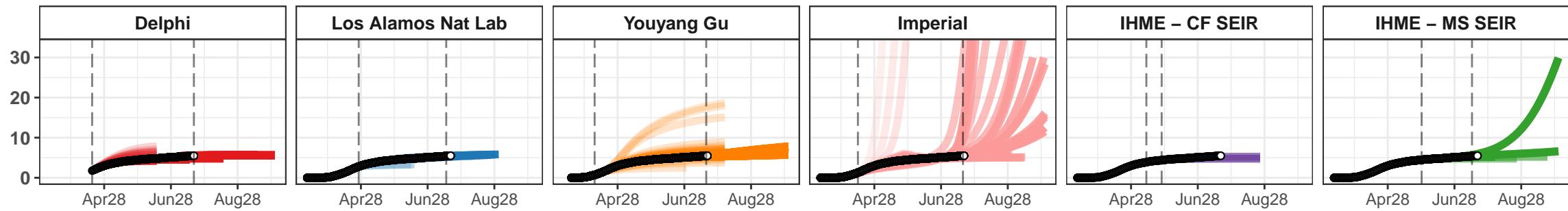
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



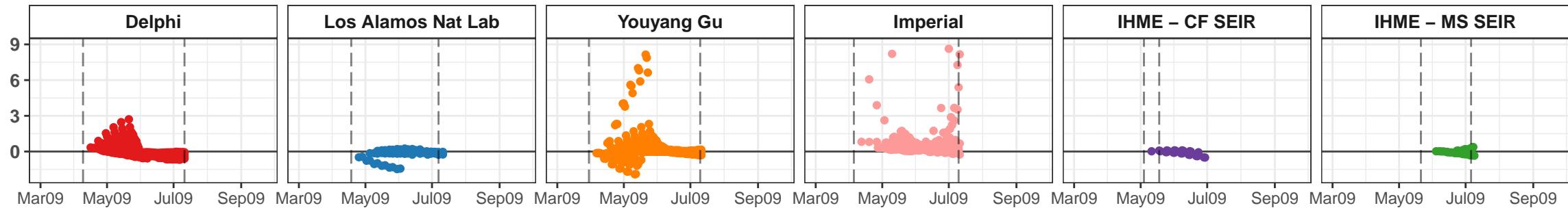
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



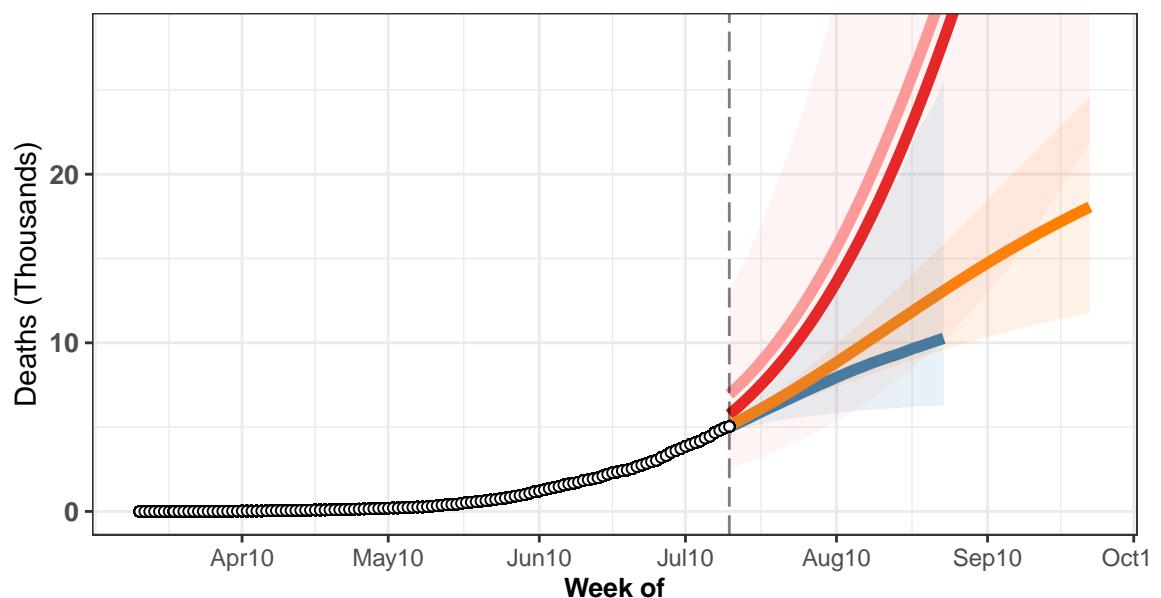
## All Cumulative Errors



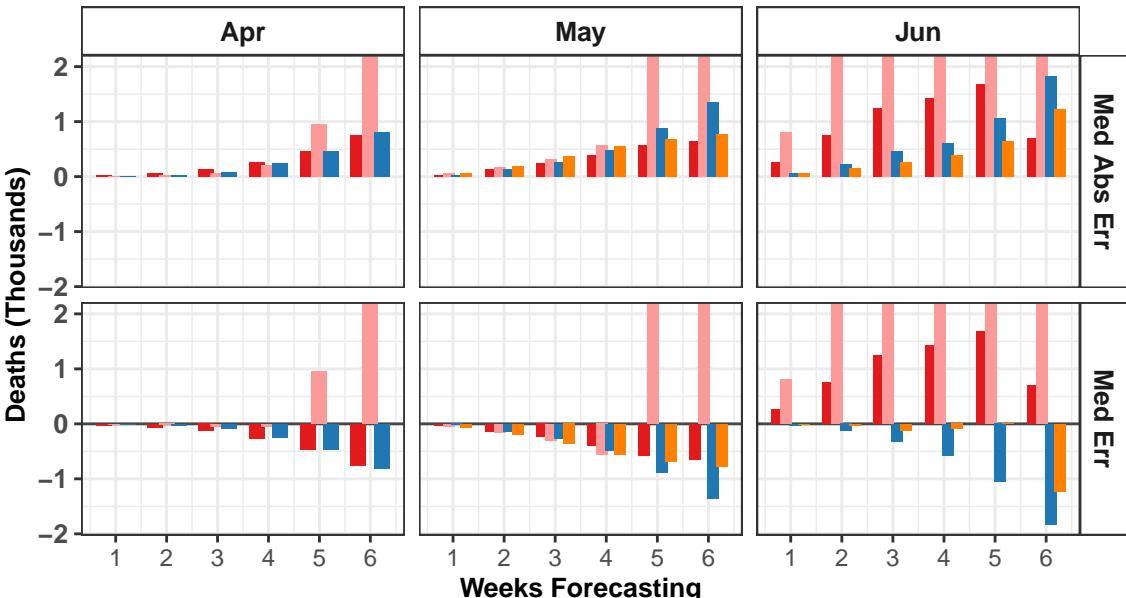
# South Africa

## Current Forecast

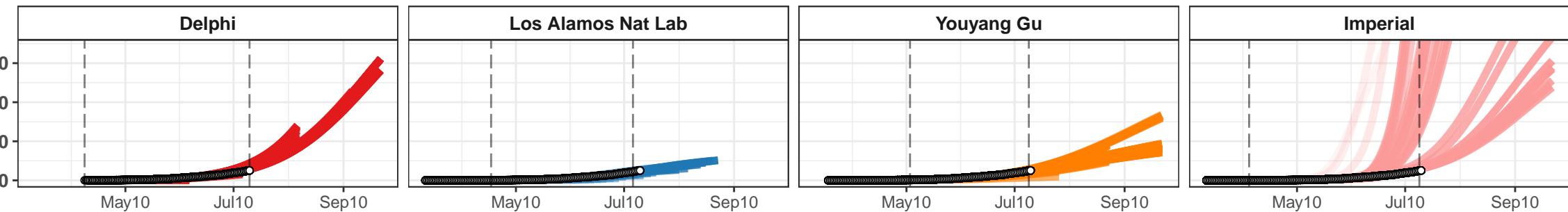
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial



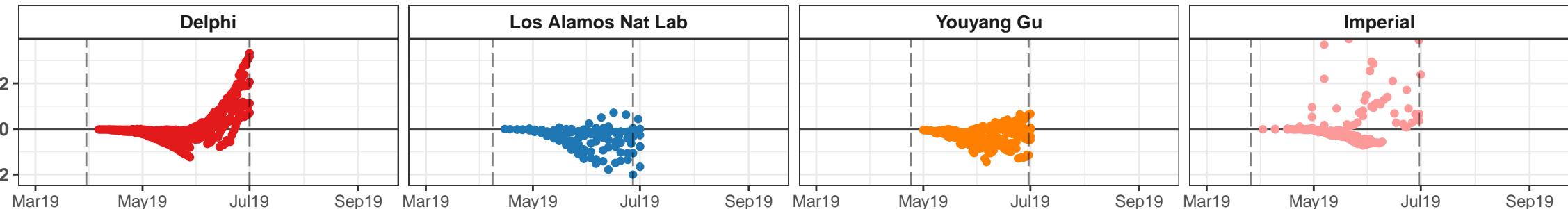
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



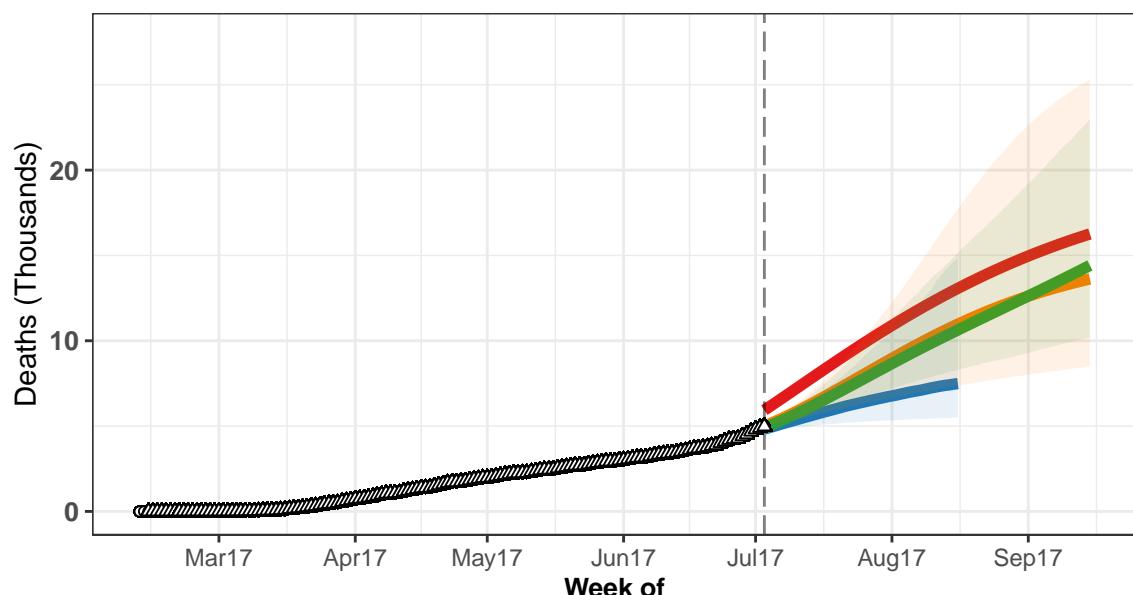
## All Cumulative Errors



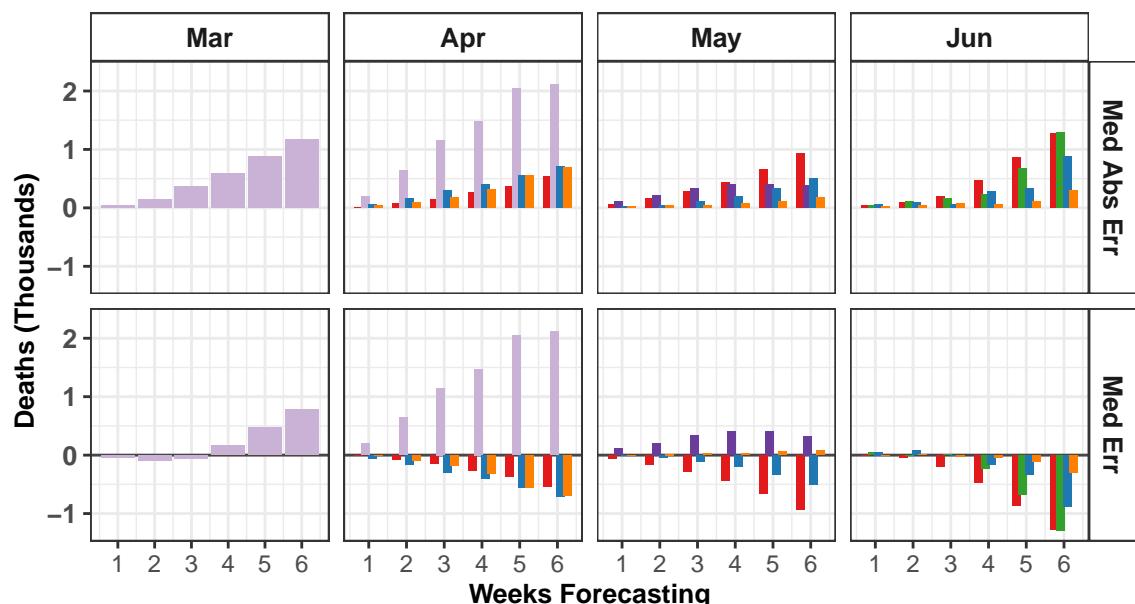
# Florida

## Current Forecast

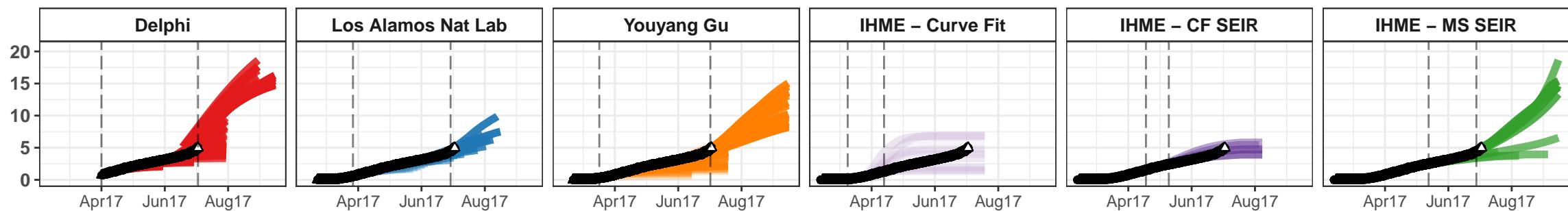
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



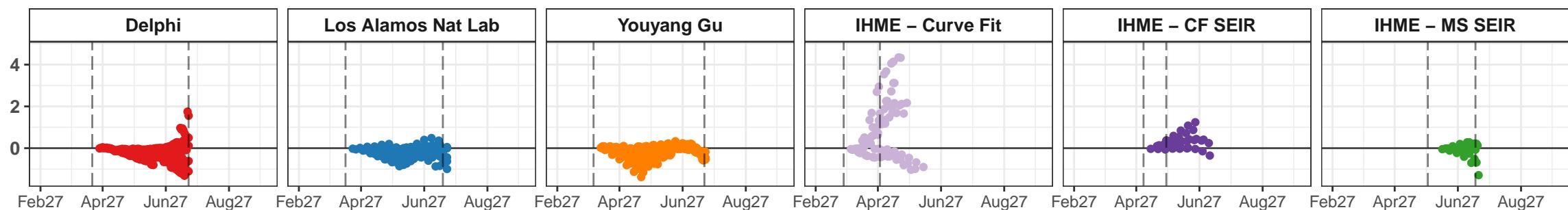
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



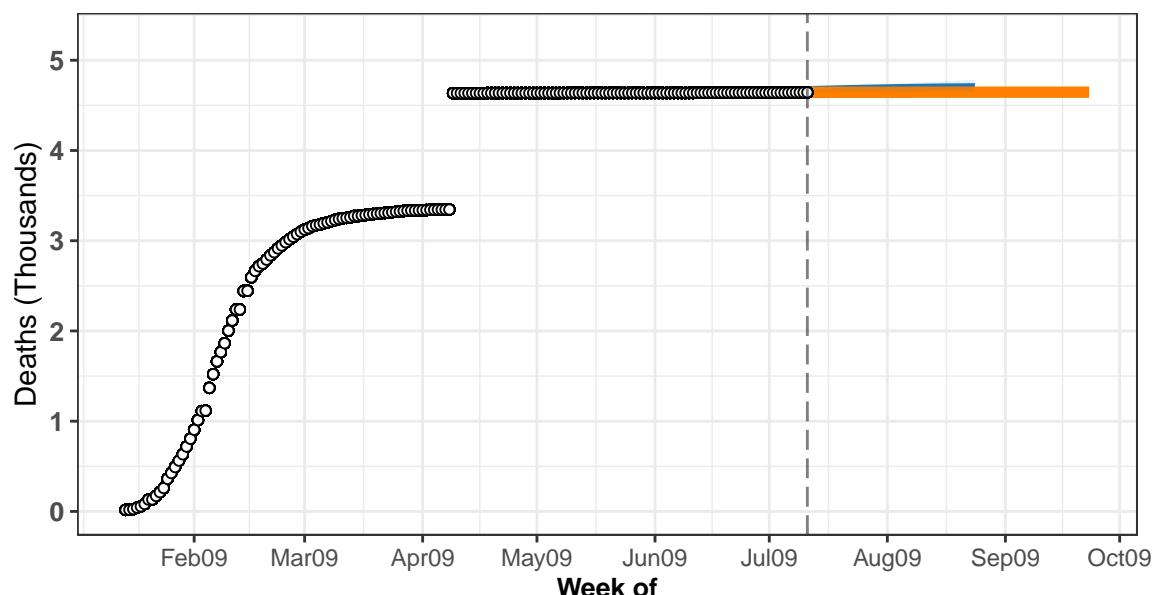
## All Cumulative Errors



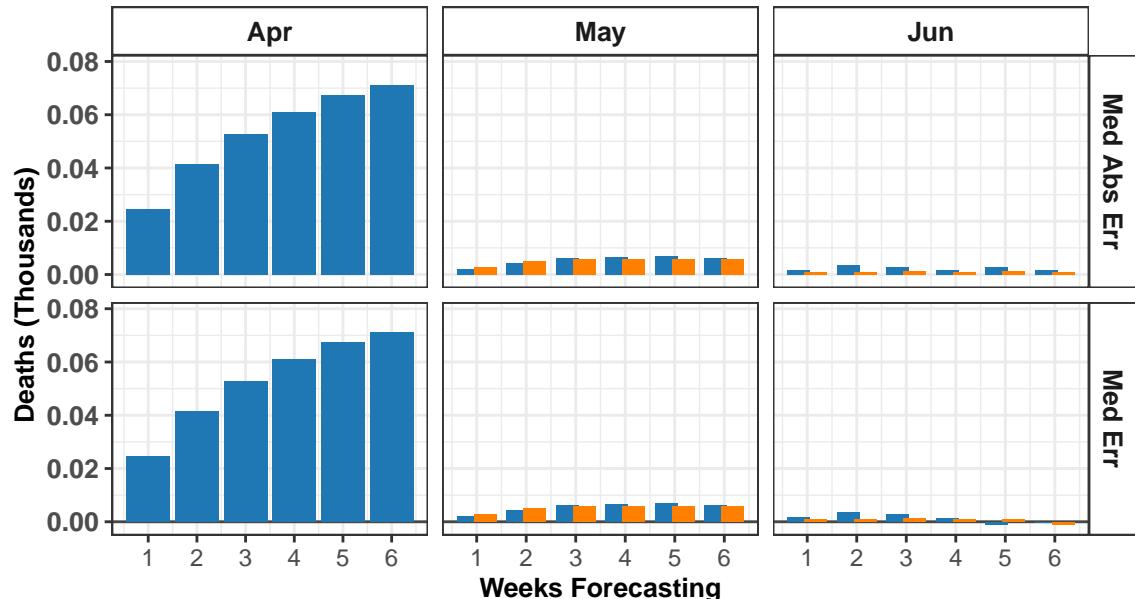
# China

## Current Forecast

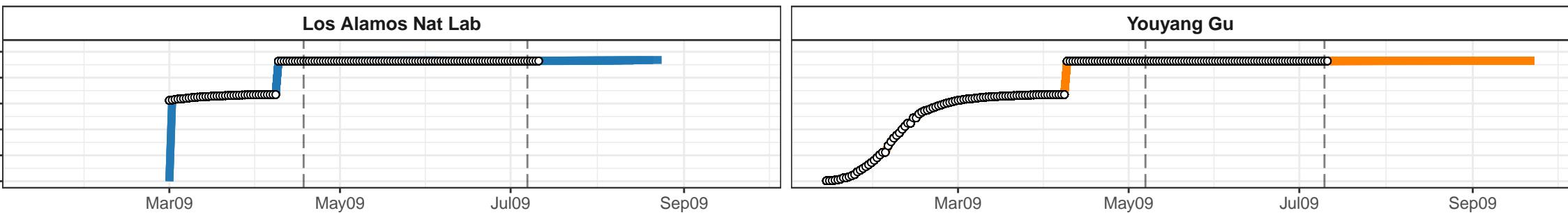
Los Alamos Nat Lab   Youyang Gu



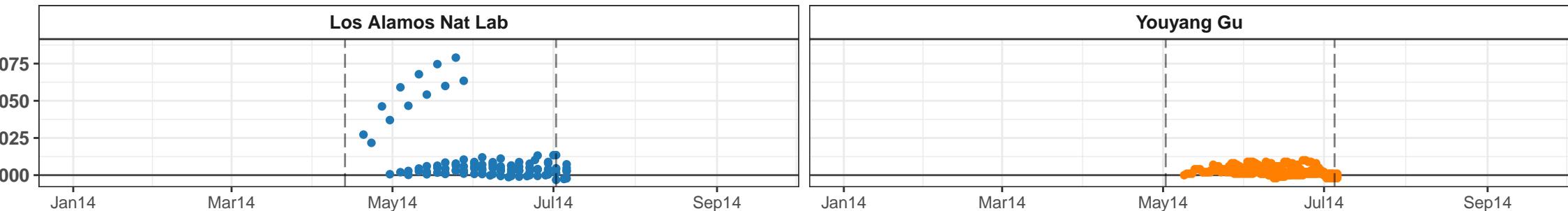
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



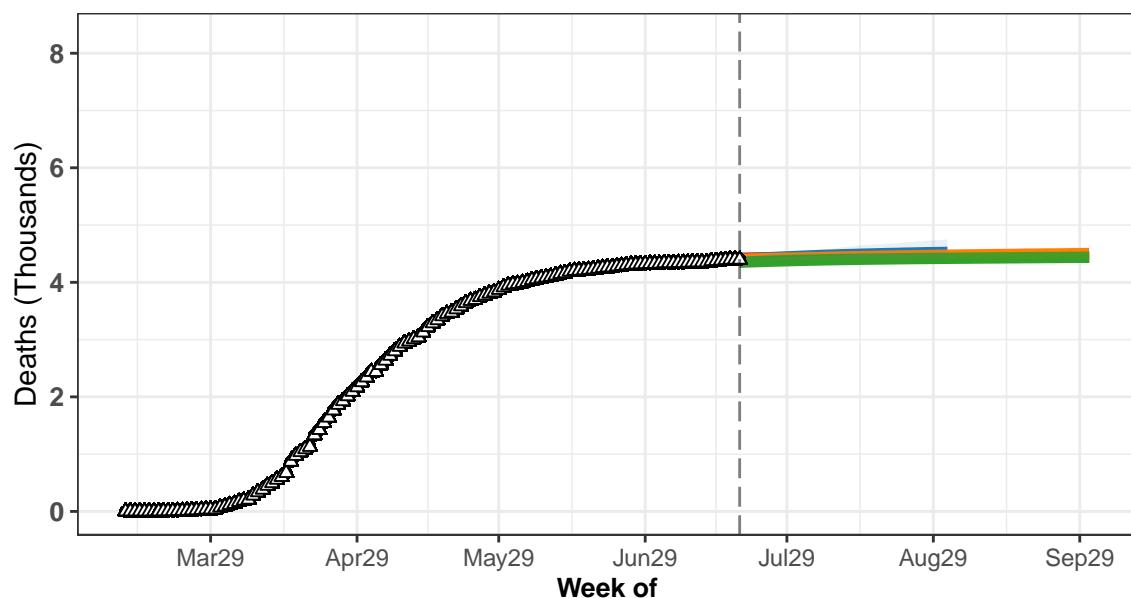
## All Cumulative Errors



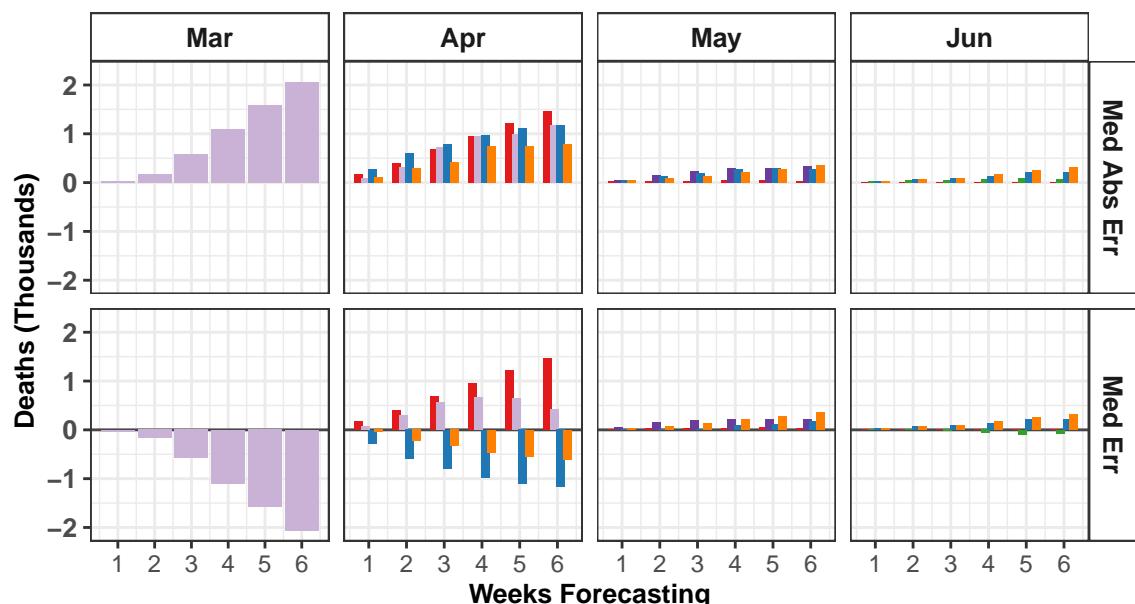
# Connecticut

## Current Forecast

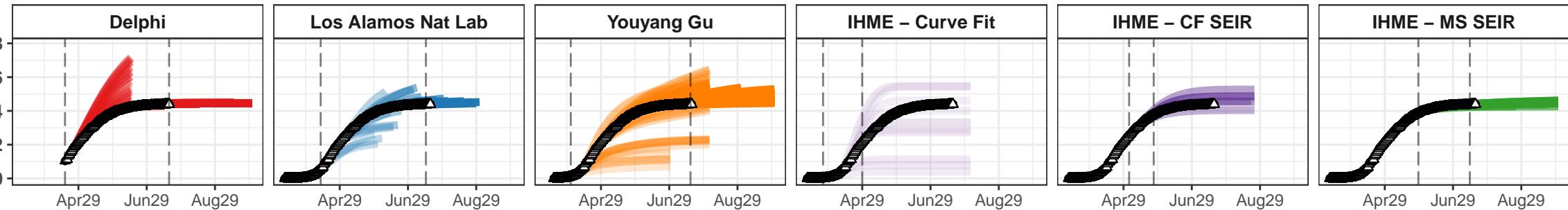
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



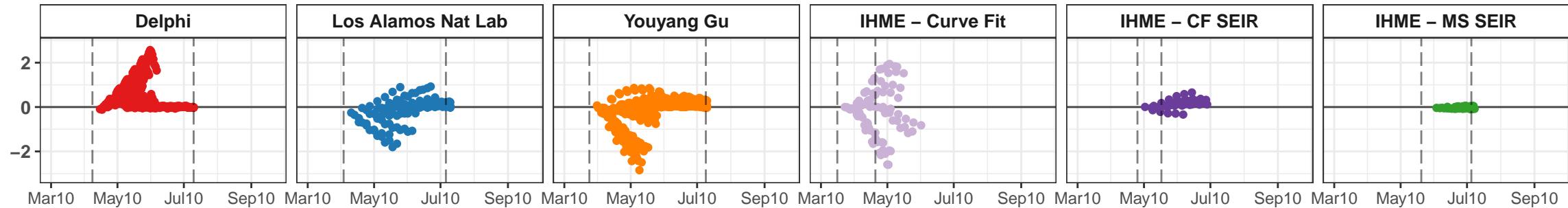
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

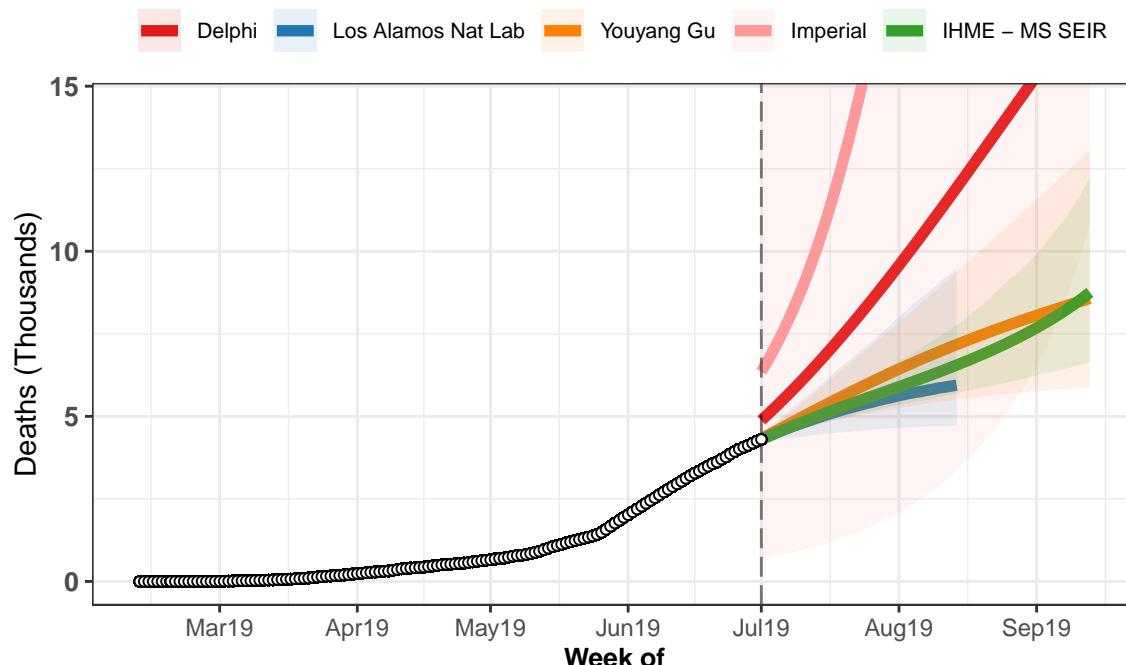


## All Cumulative Errors

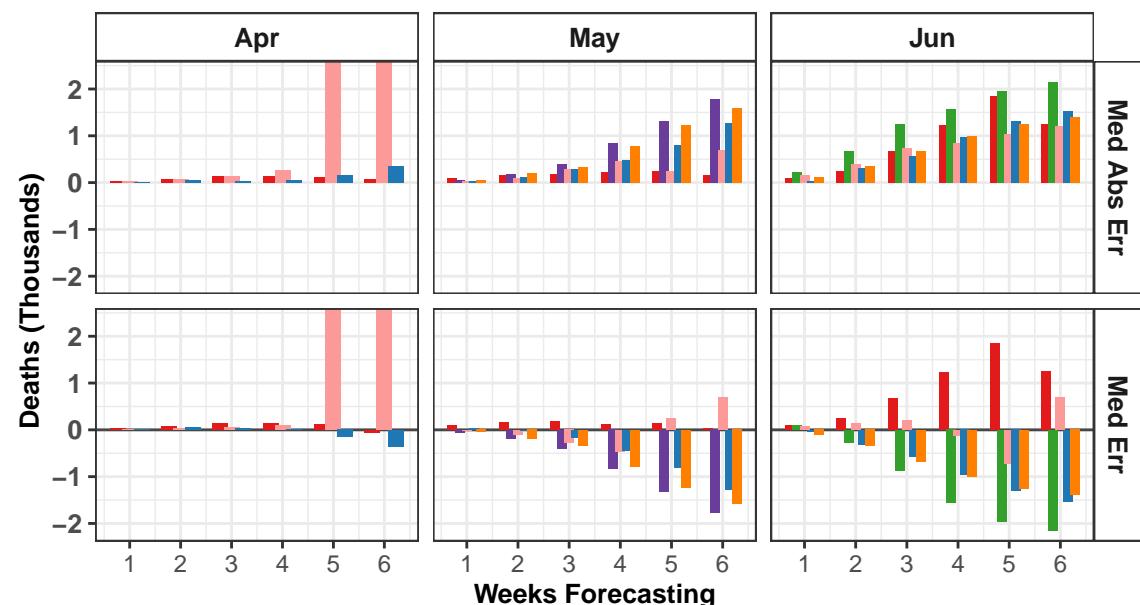


# Egypt

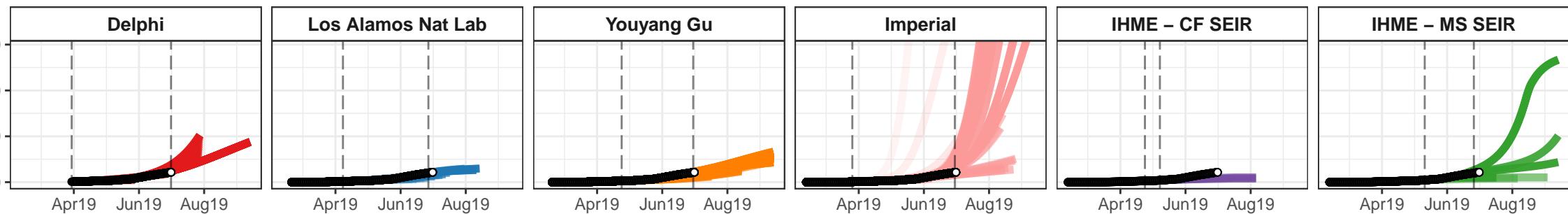
## Current Forecast



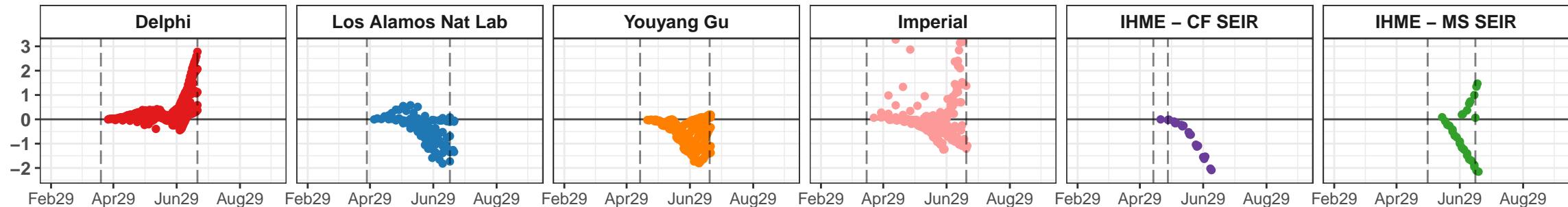
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

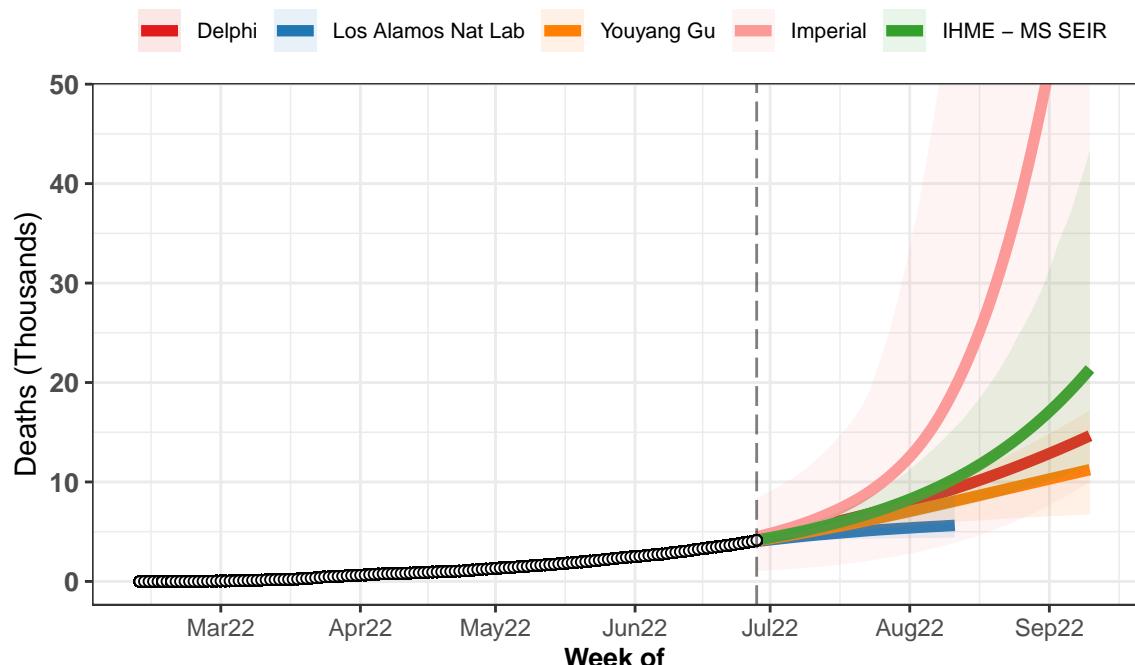


## All Cumulative Errors

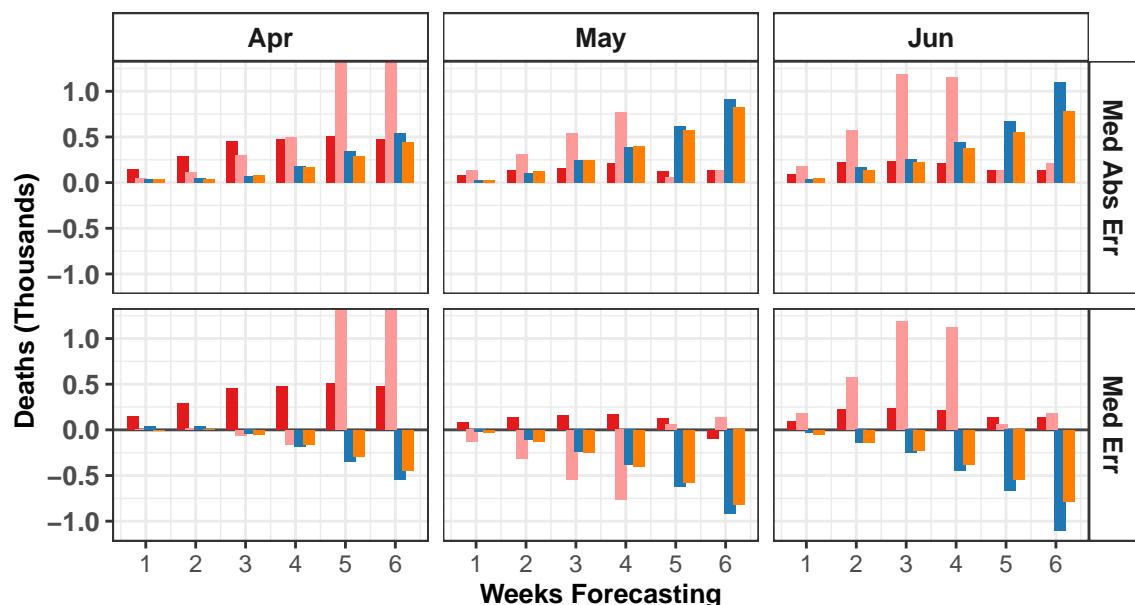


# Indonesia

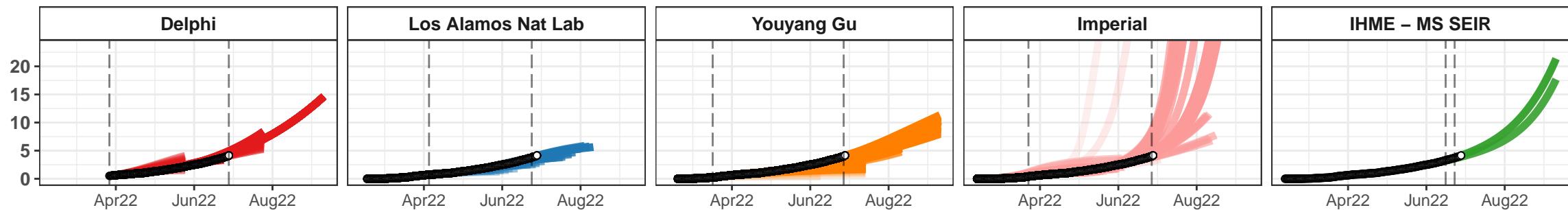
## Current Forecast



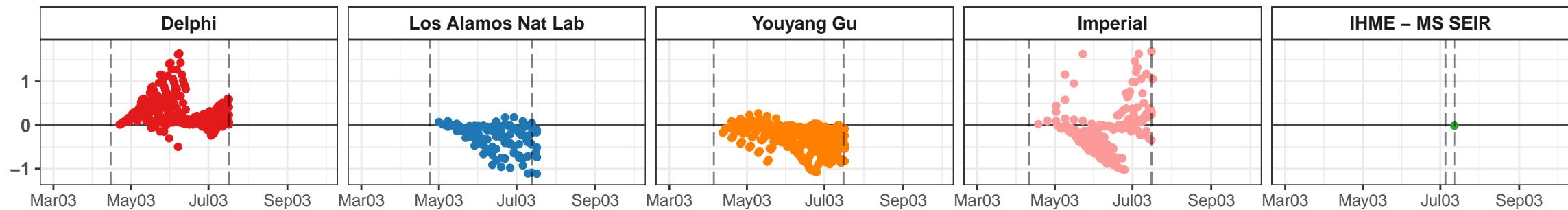
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



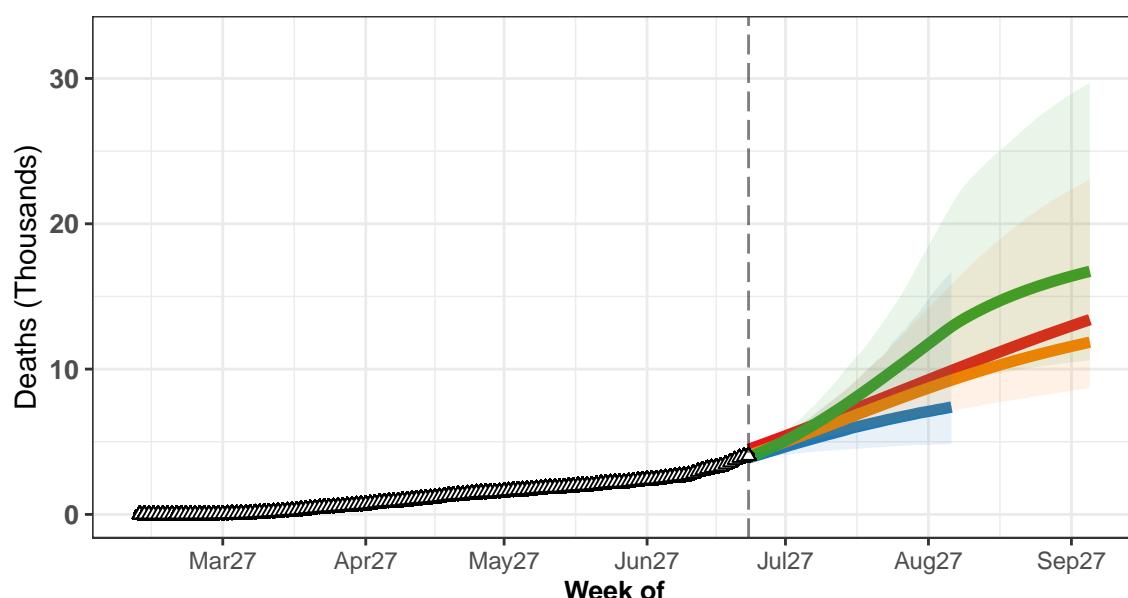
## All Cumulative Errors



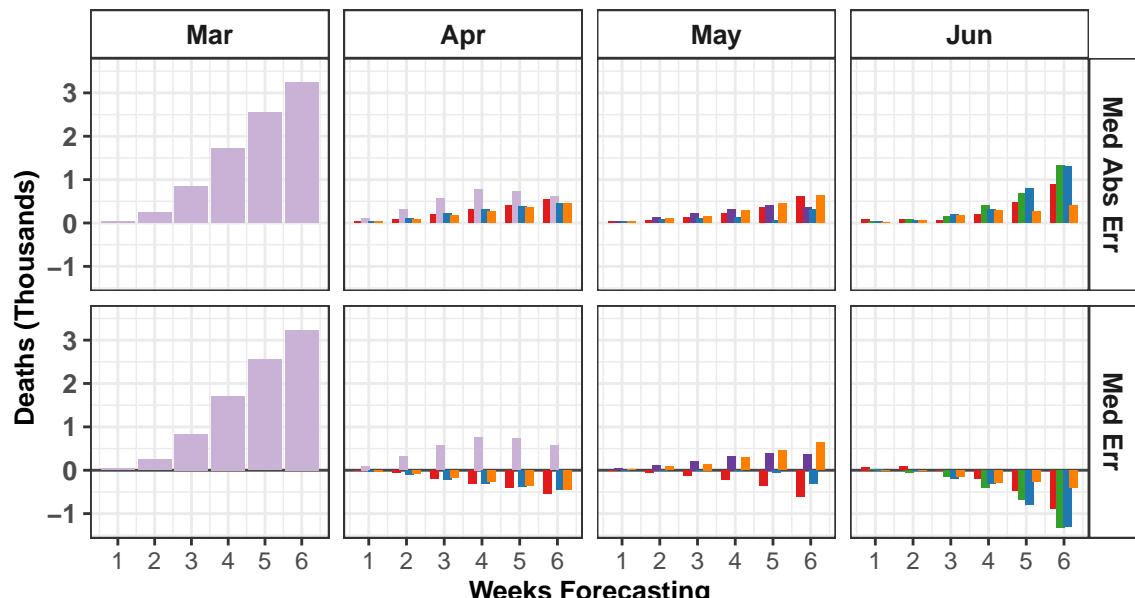
# Texas

## Current Forecast

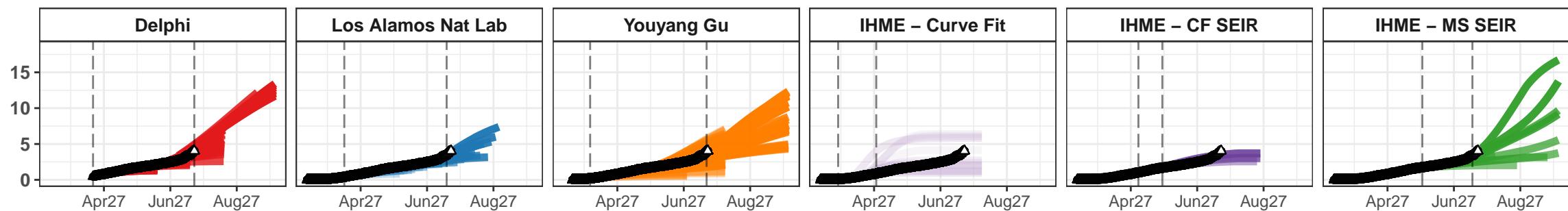
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



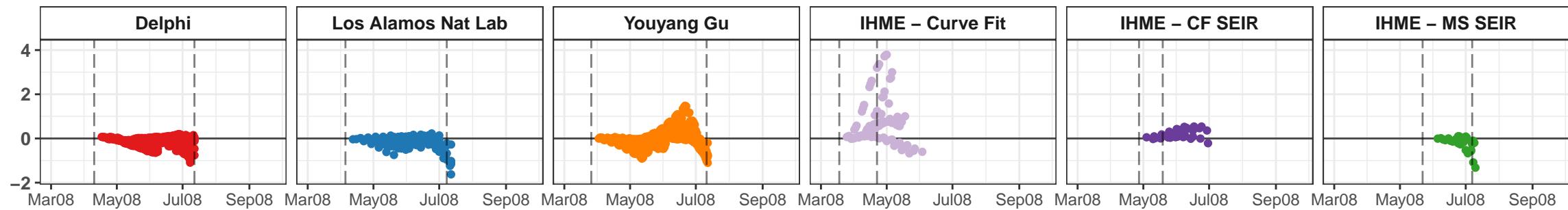
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



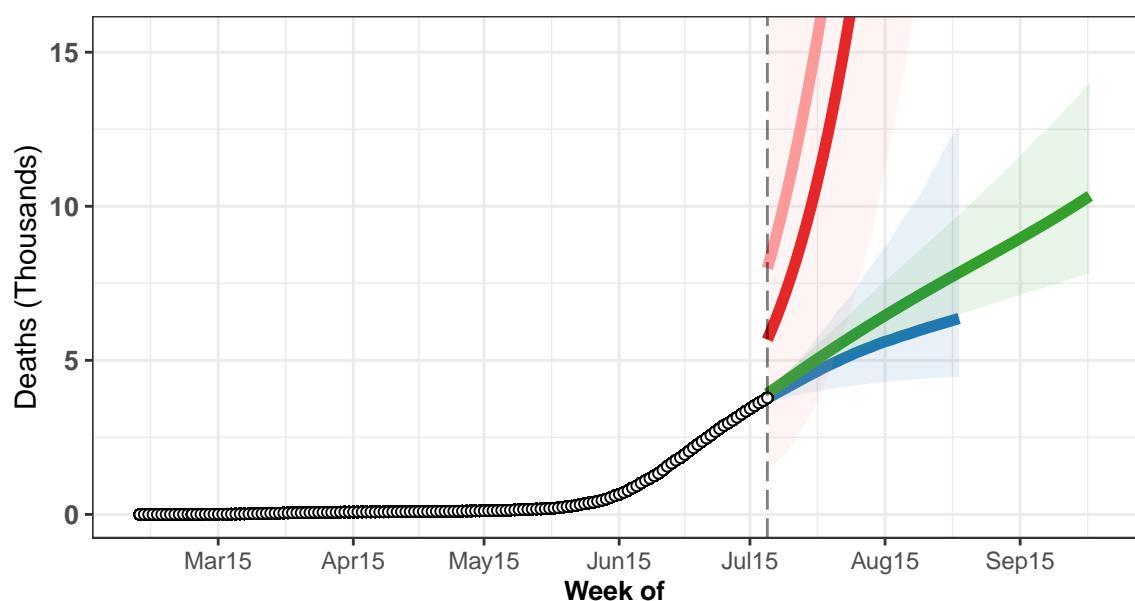
## All Cumulative Errors



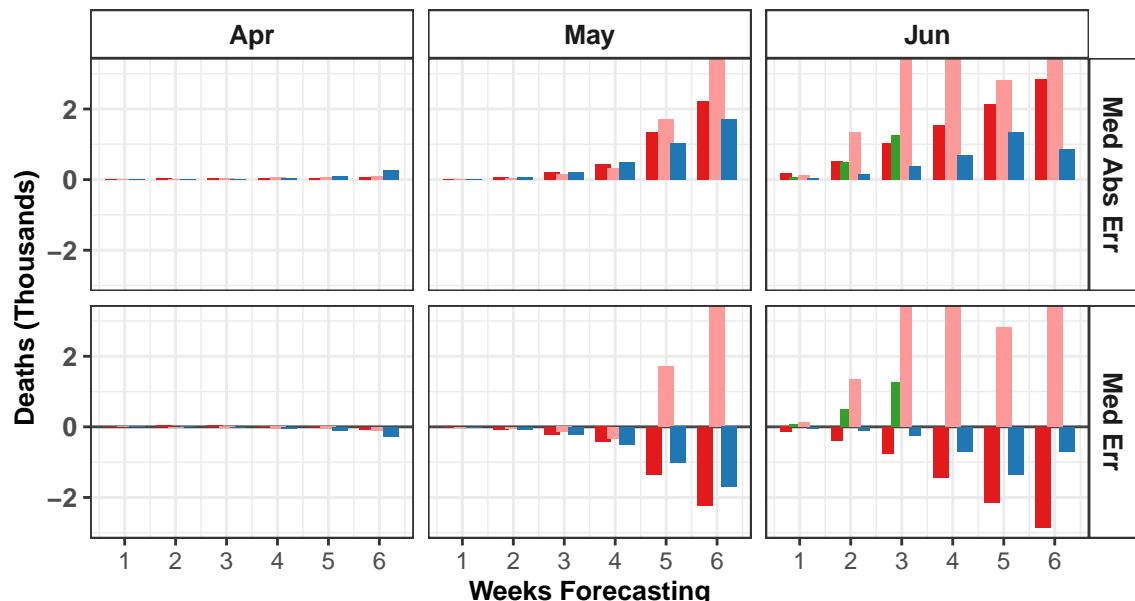
# Iraq

## Current Forecast

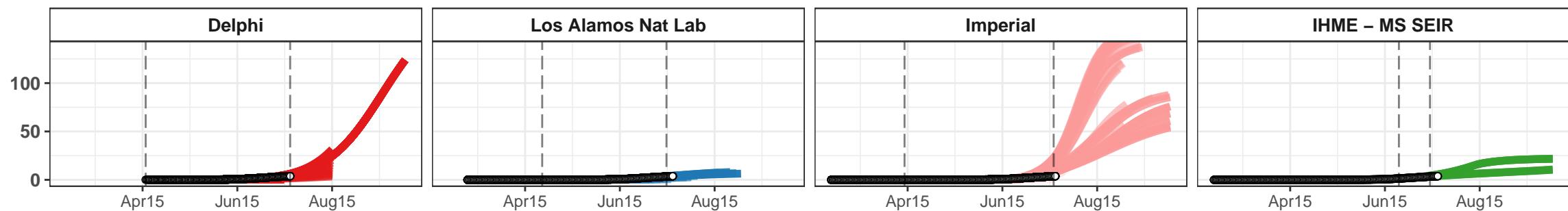
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



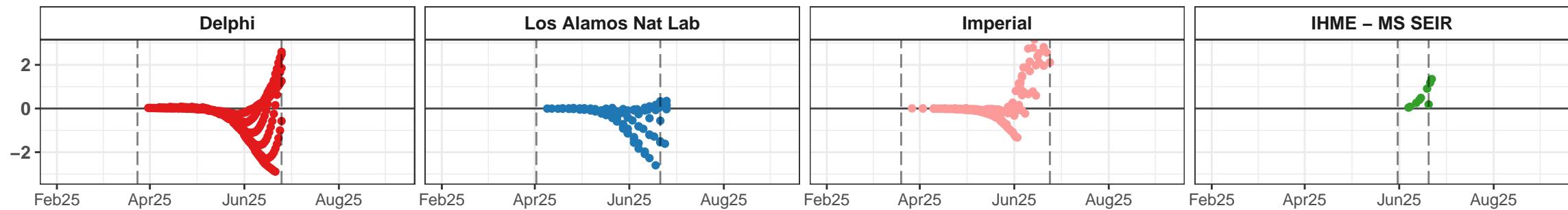
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

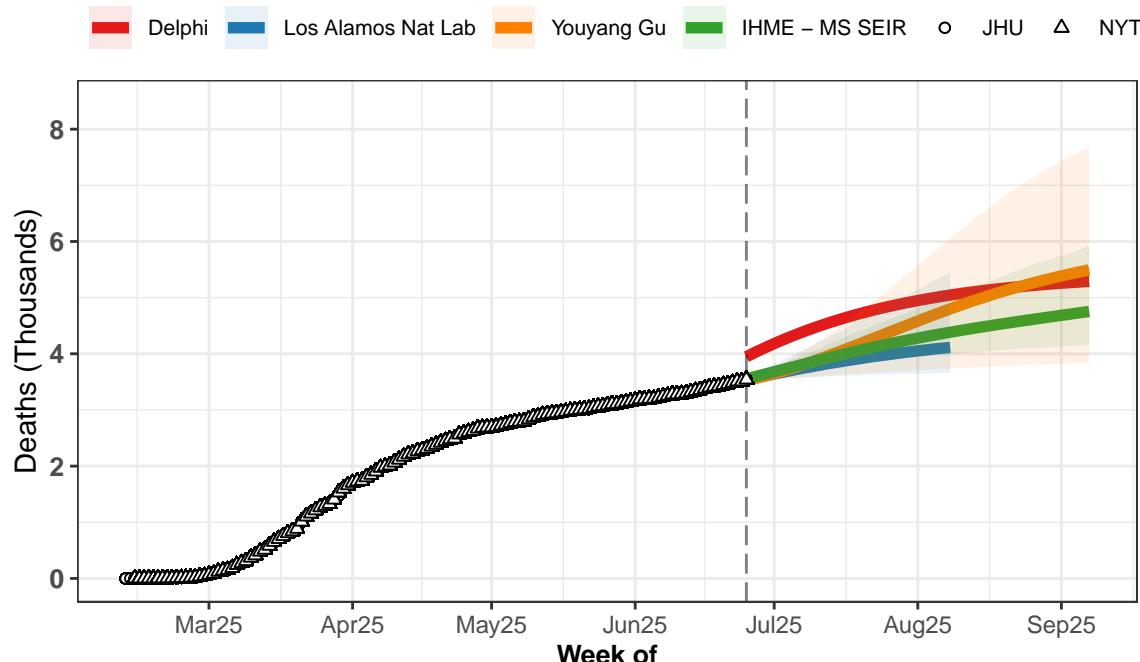


## All Cumulative Errors

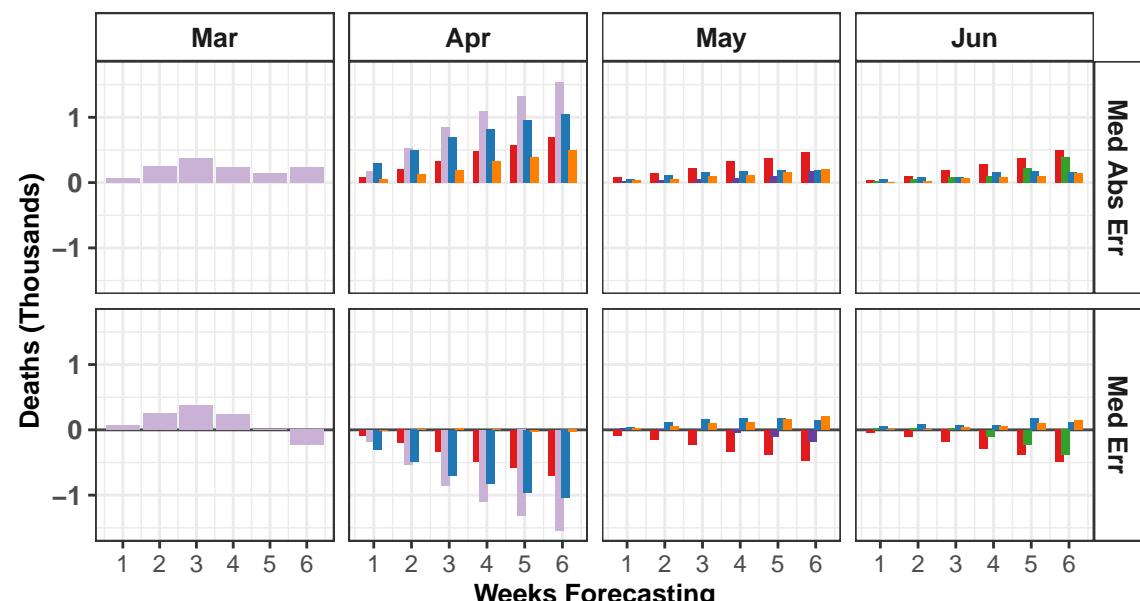


# Louisiana

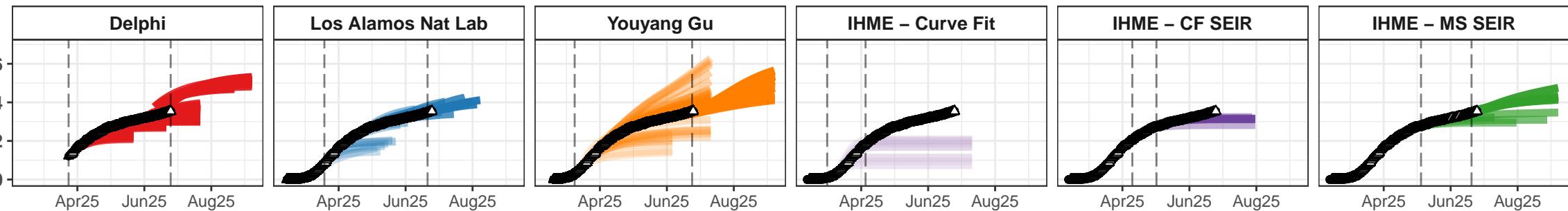
## Current Forecast



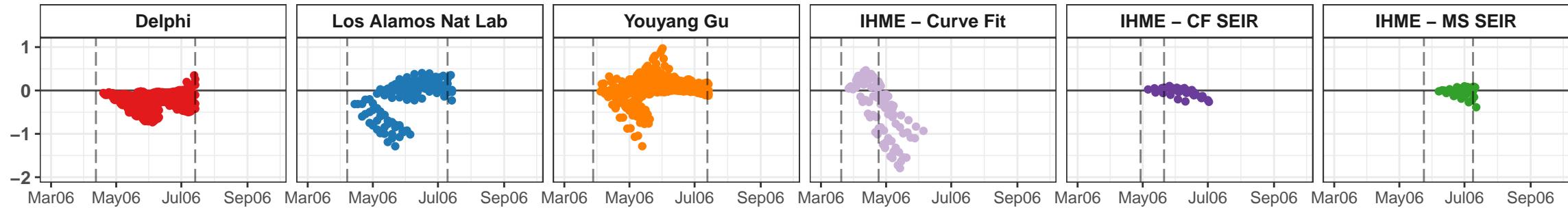
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

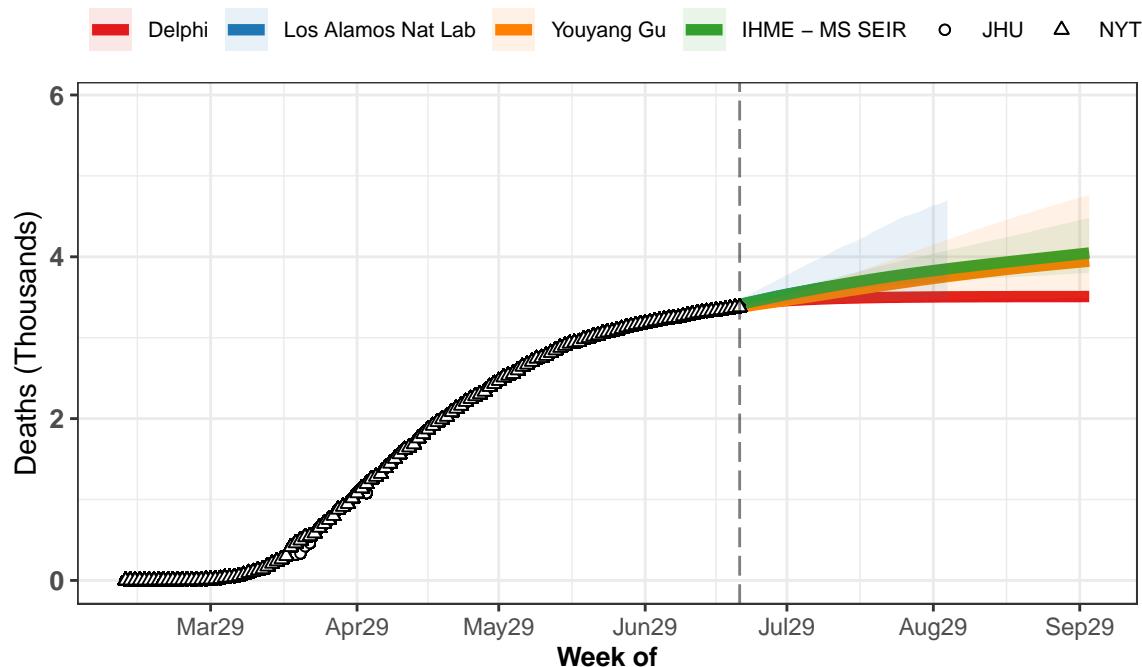


## All Cumulative Errors

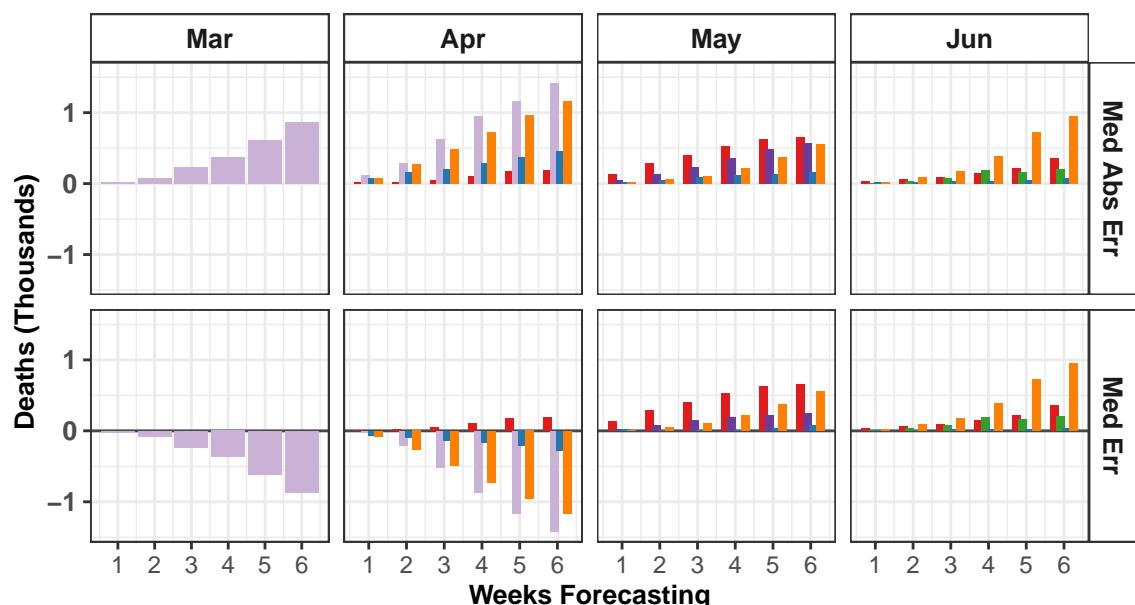


# Maryland

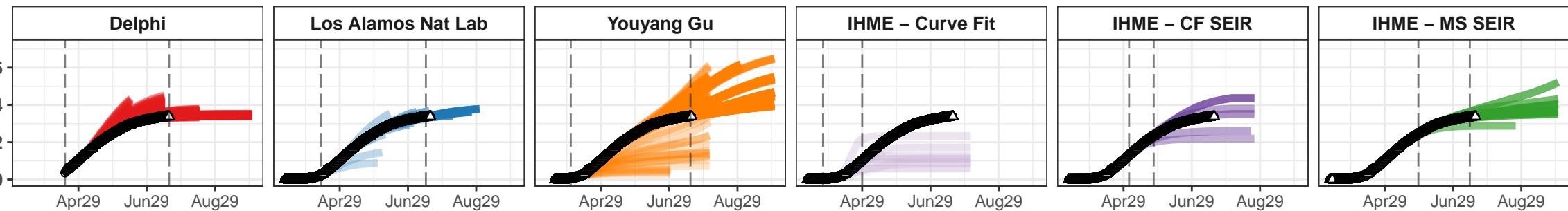
## Current Forecast



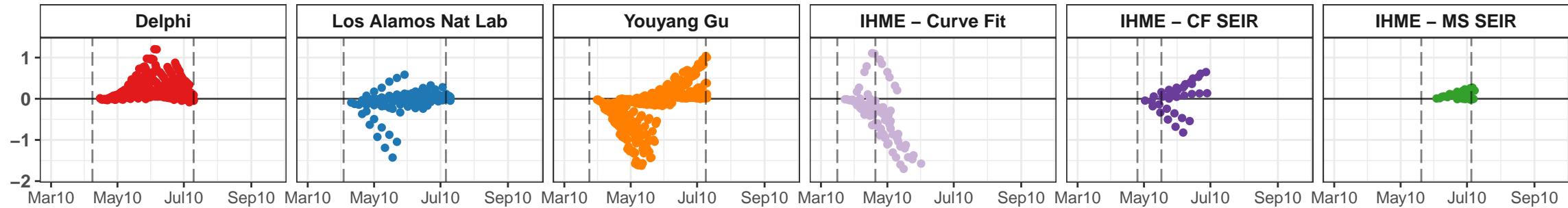
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



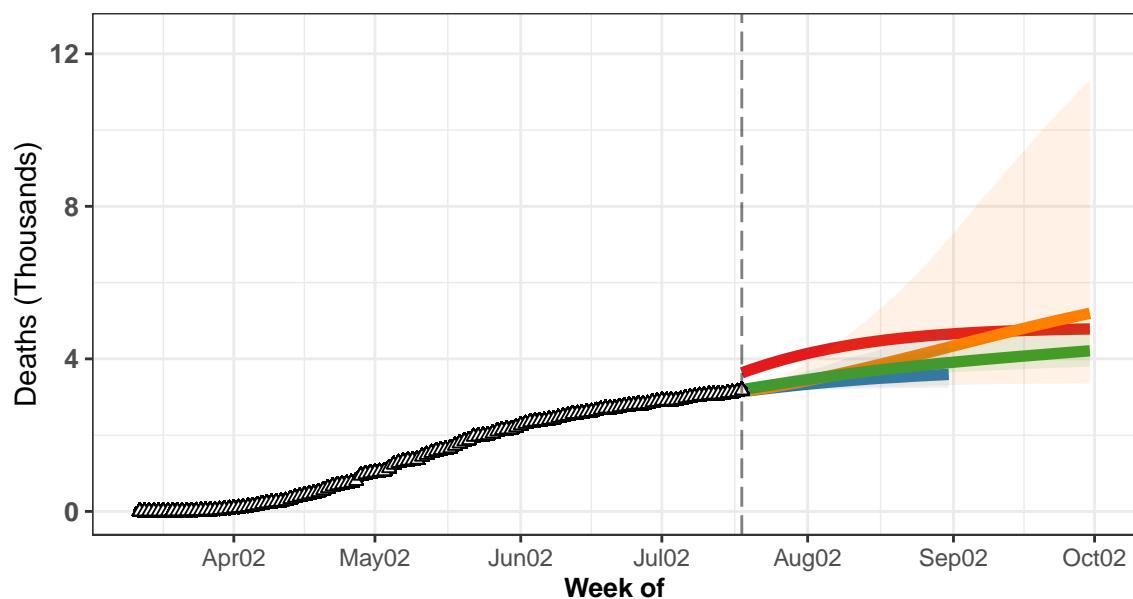
## All Cumulative Errors



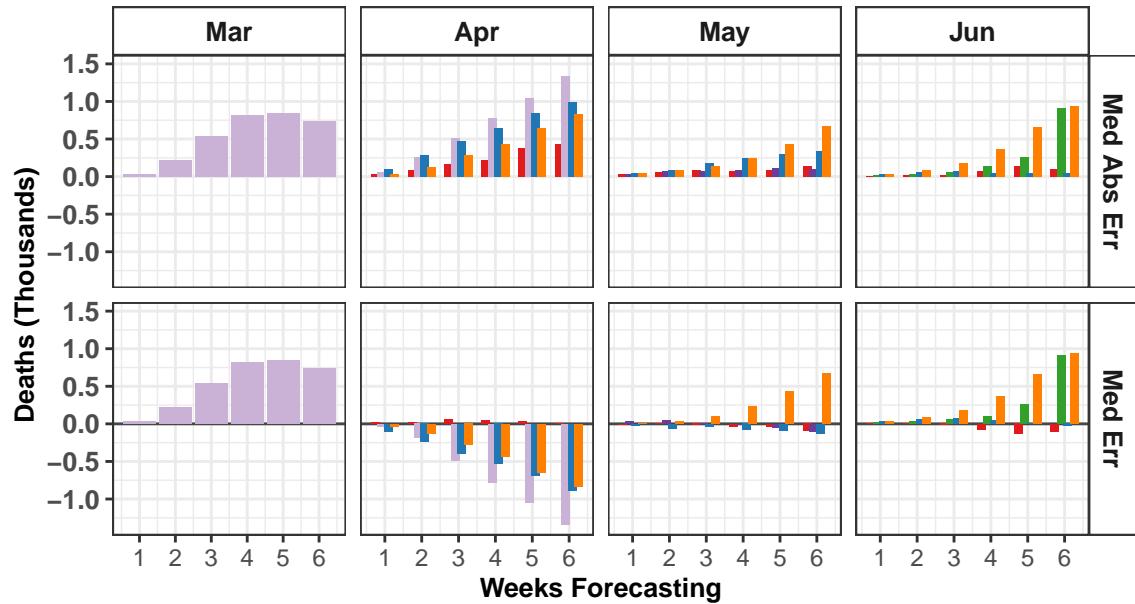
# Ohio

## Current Forecast

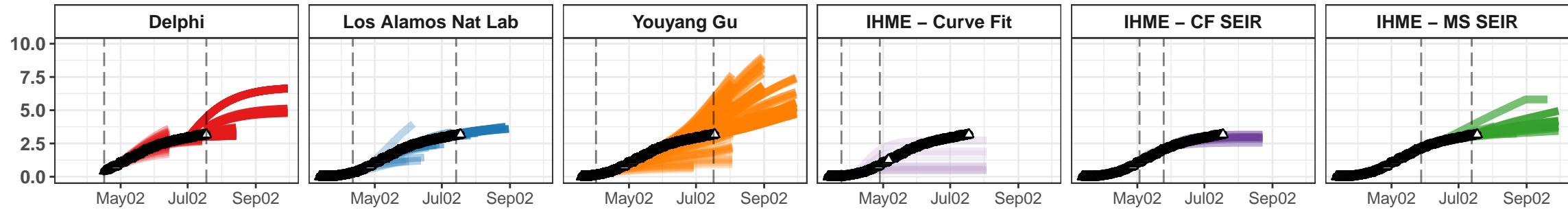
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



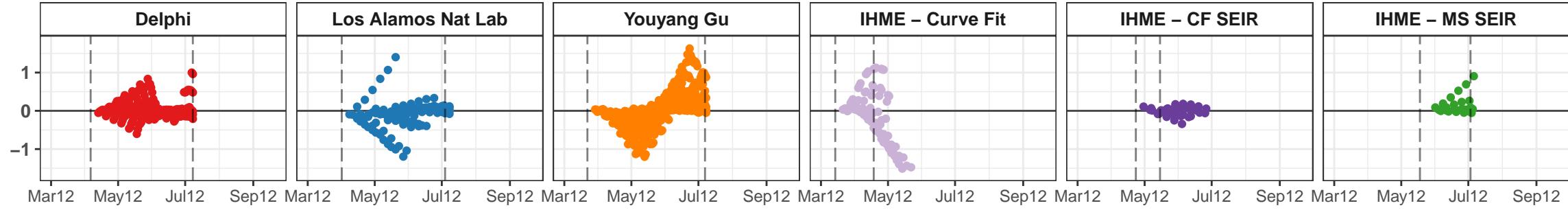
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



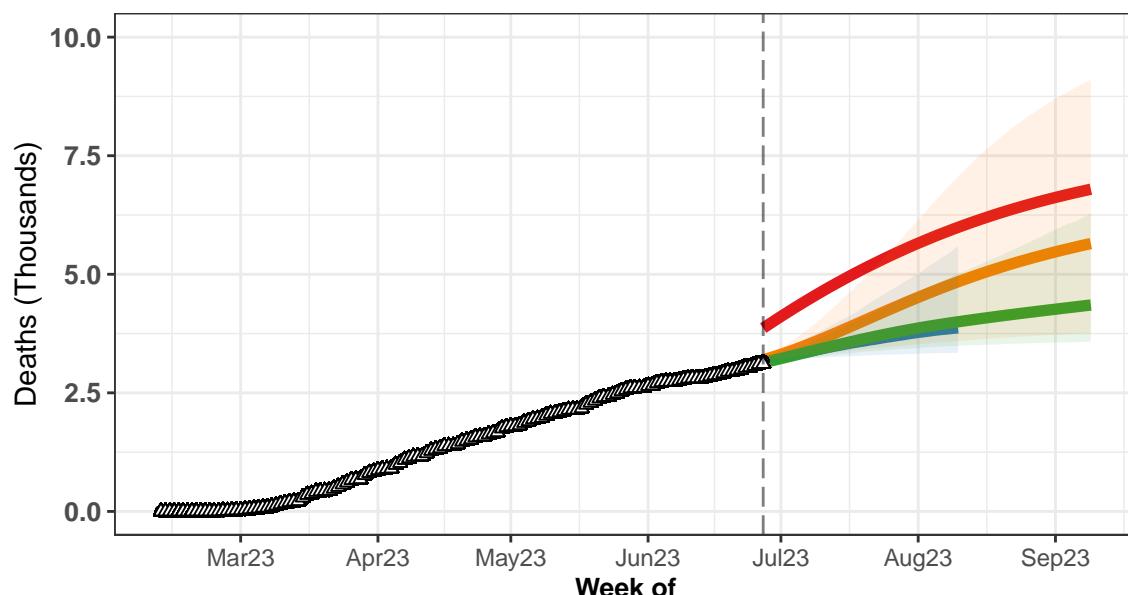
## All Cumulative Errors



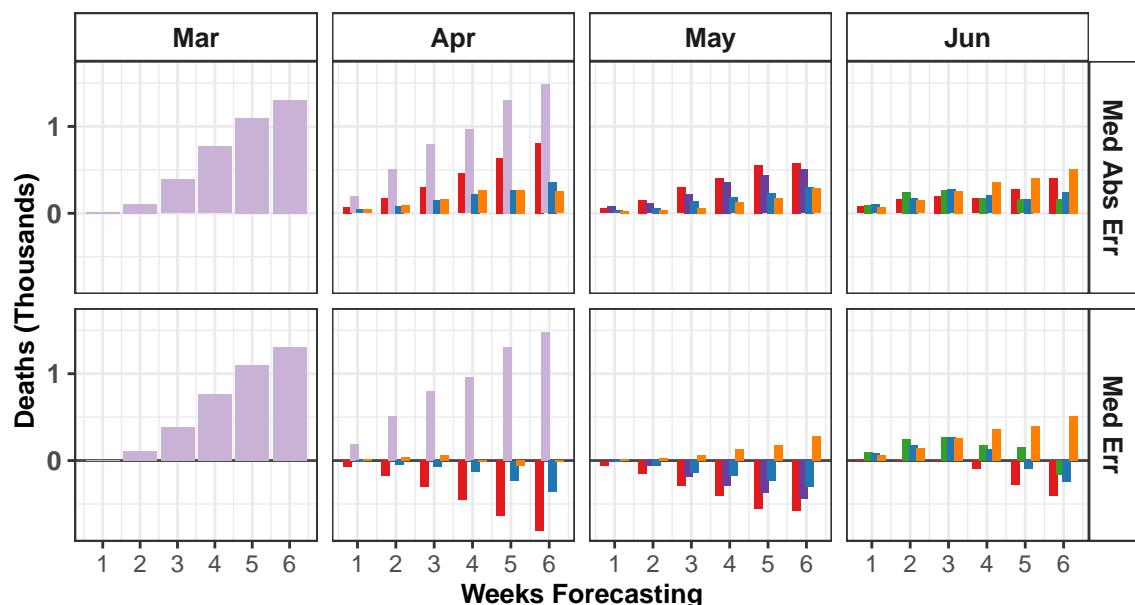
# Georgia

## Current Forecast

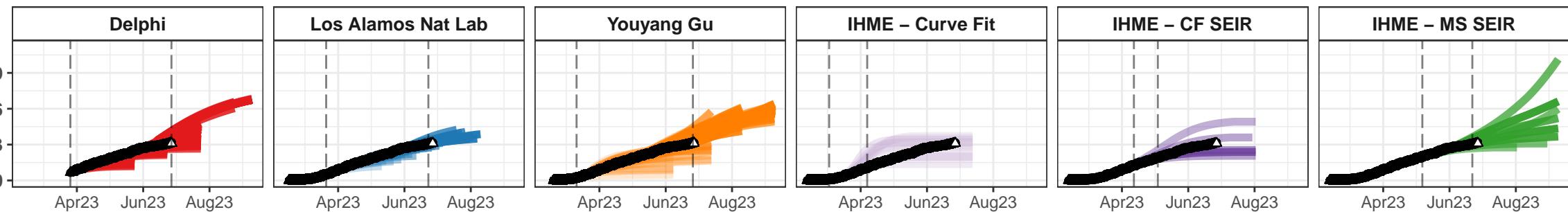
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NY



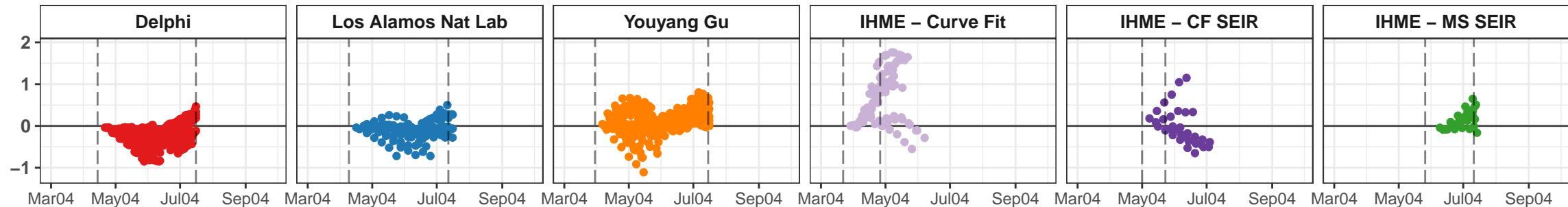
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



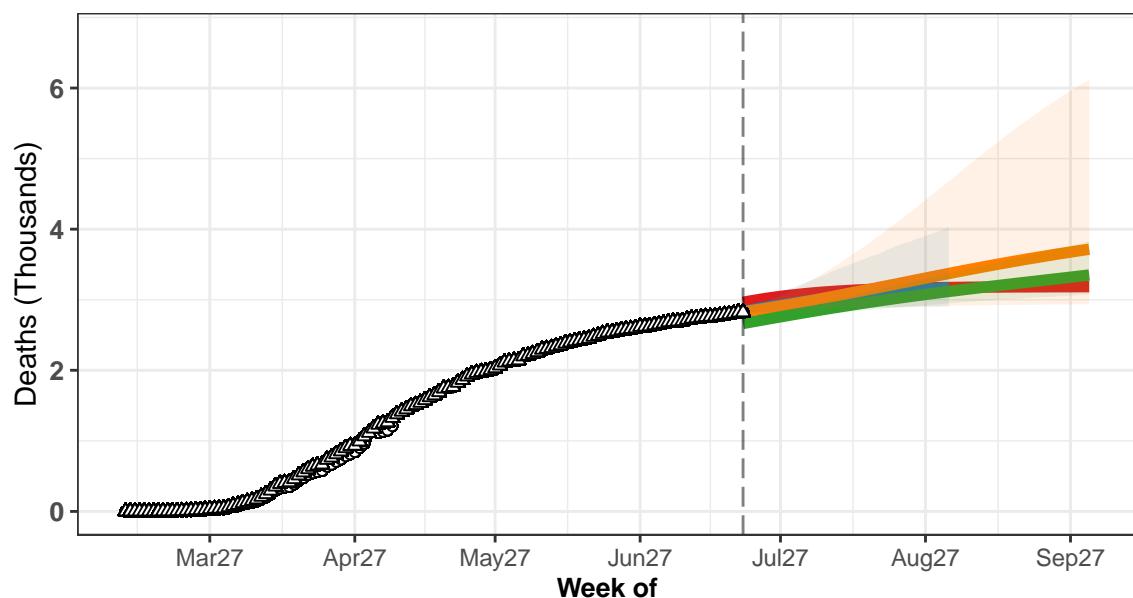
## All Cumulative Errors



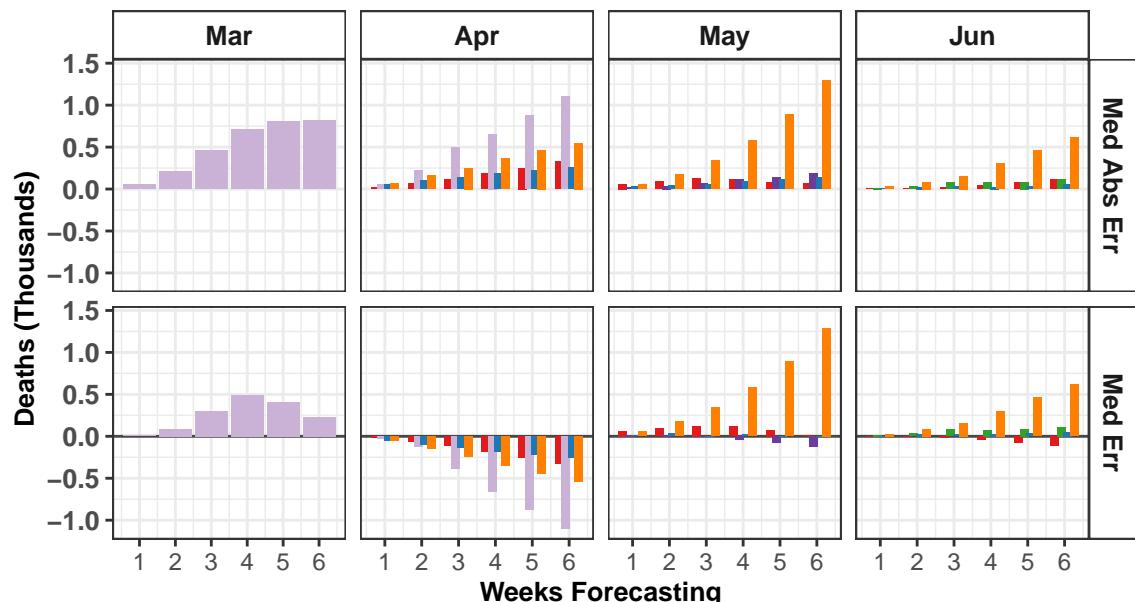
# Indiana

## Current Forecast

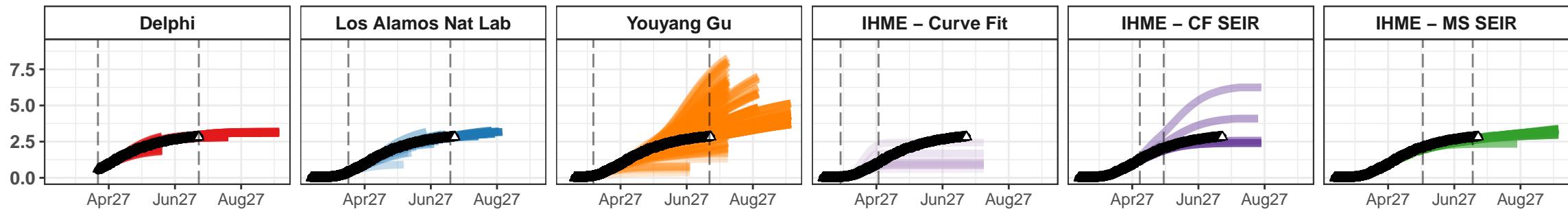
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



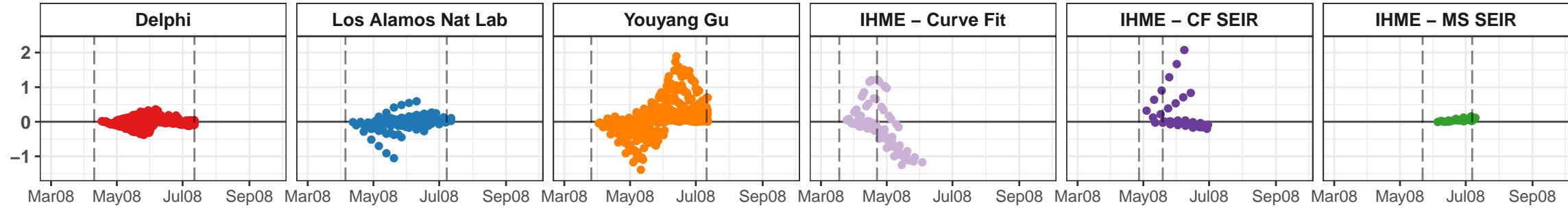
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



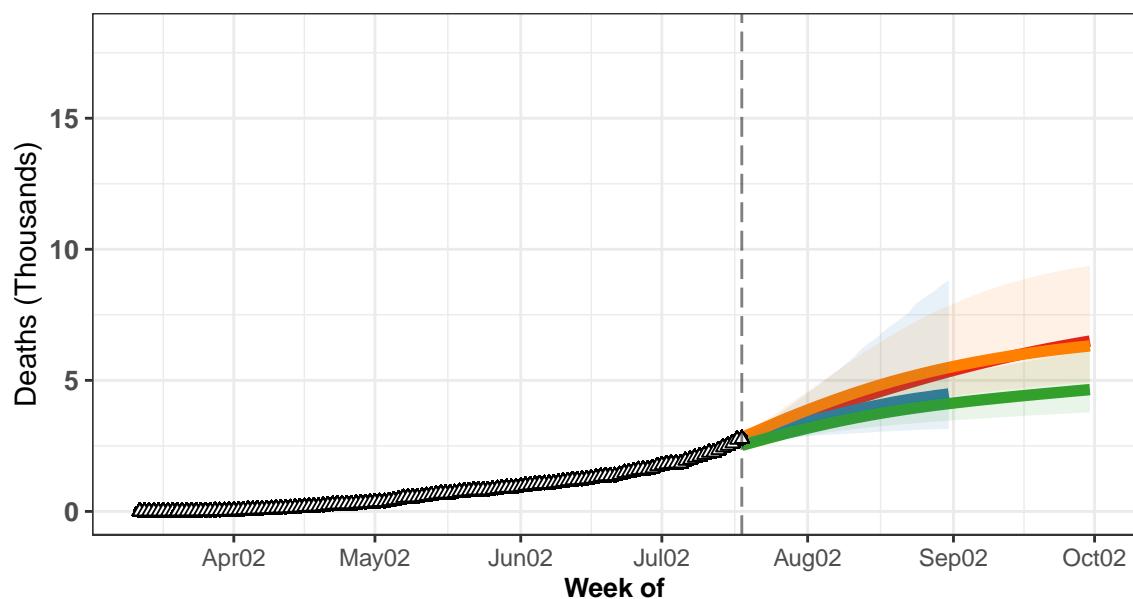
## All Cumulative Errors



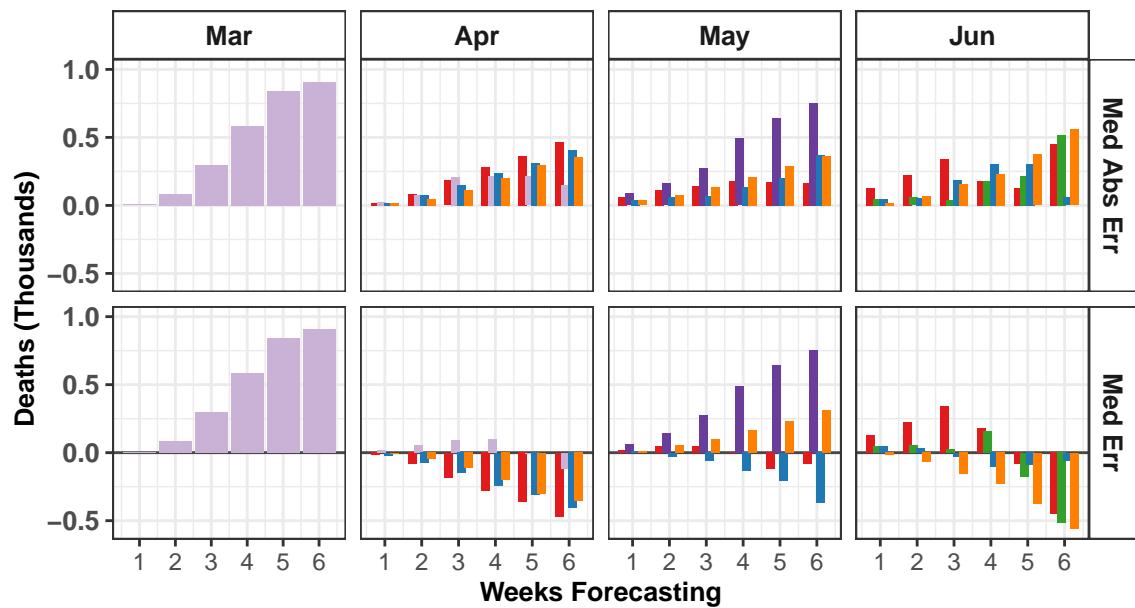
# Arizona

## Current Forecast

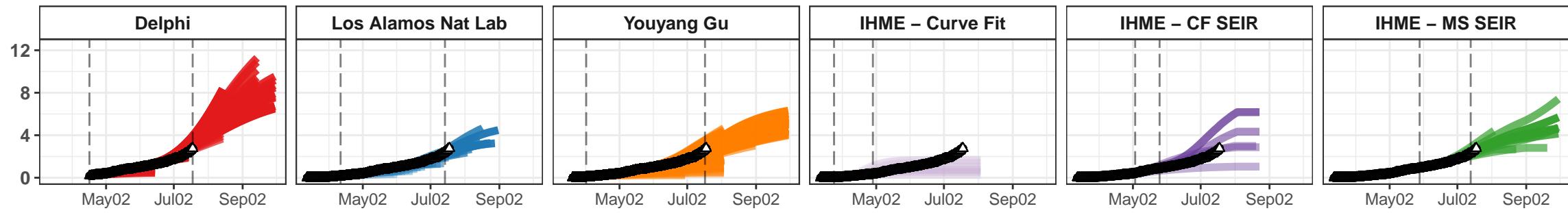
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



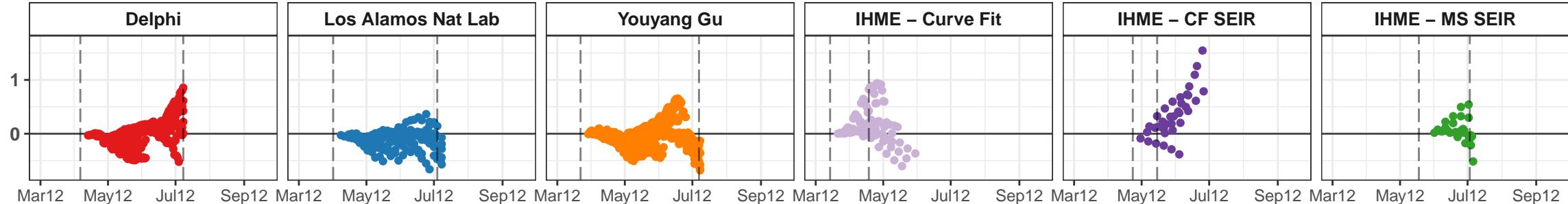
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



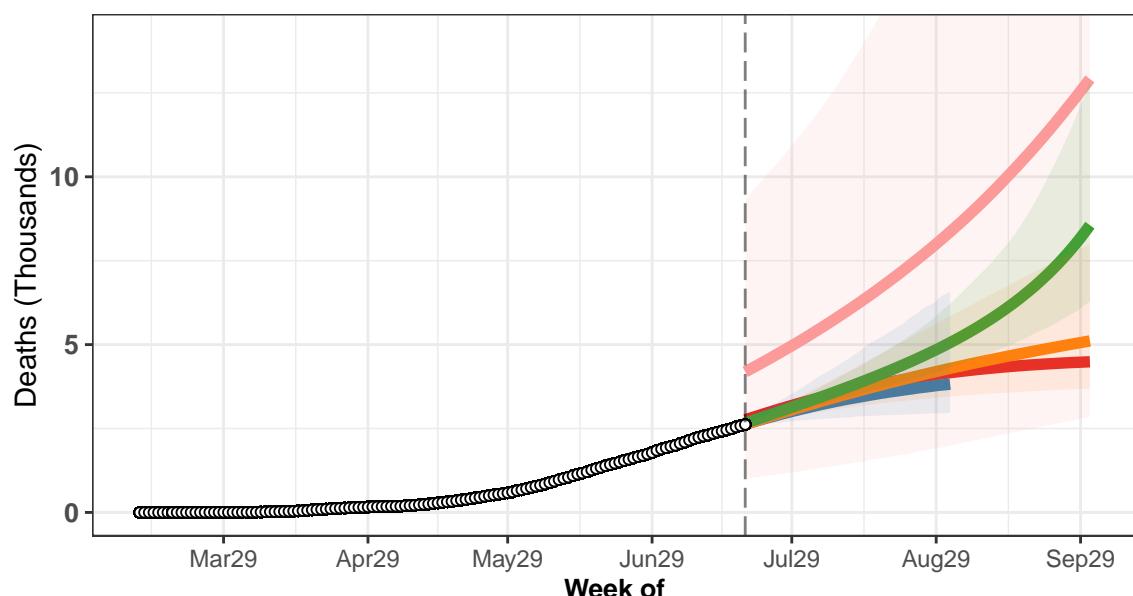
## All Cumulative Errors



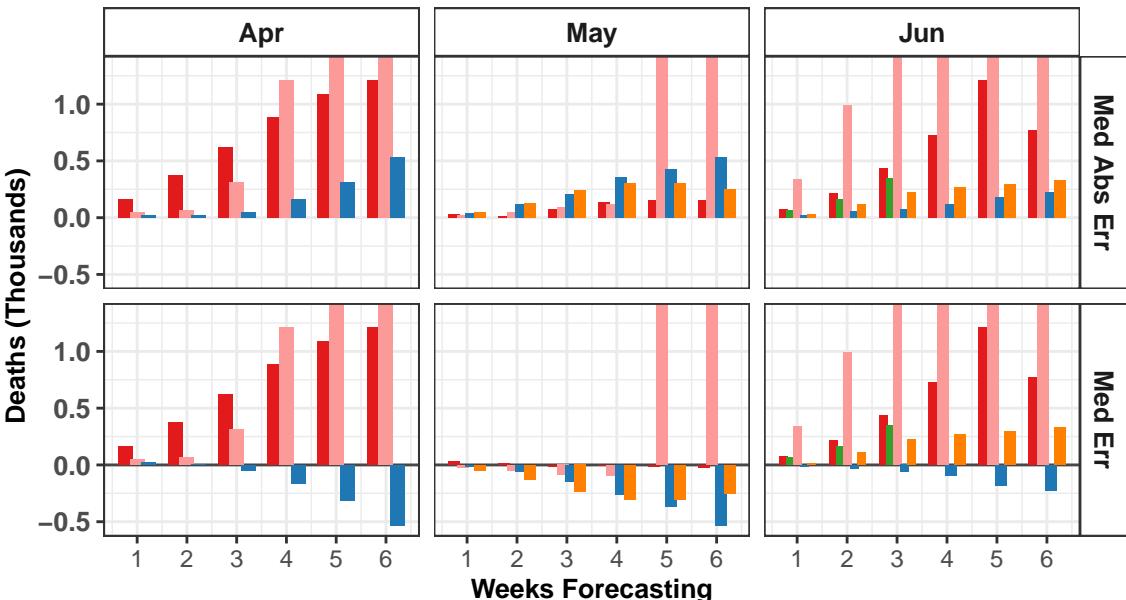
# Bangladesh

## Current Forecast

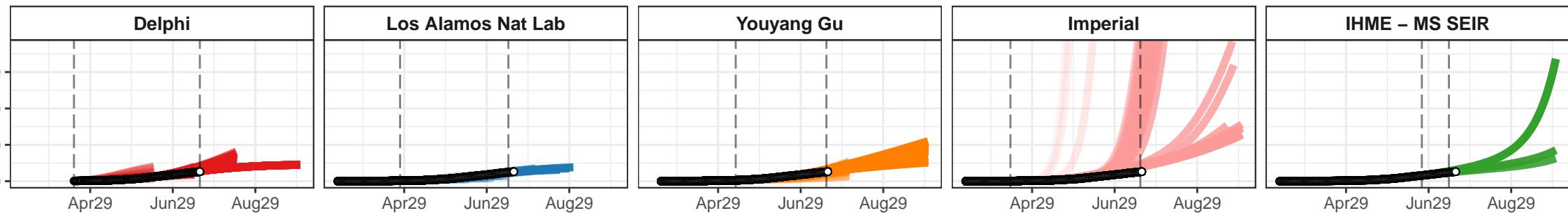
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



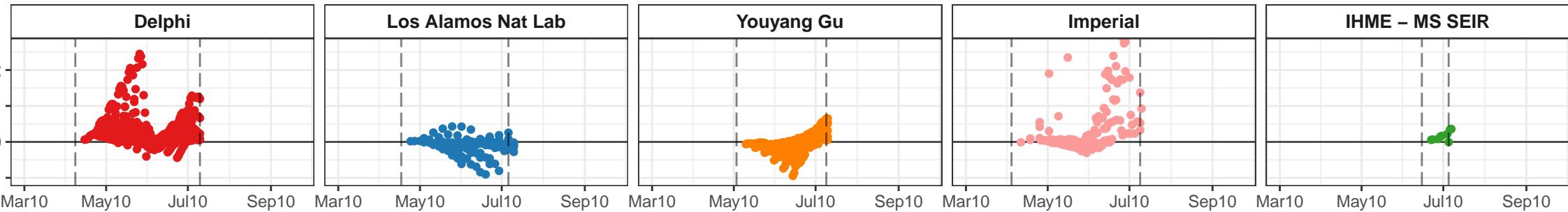
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

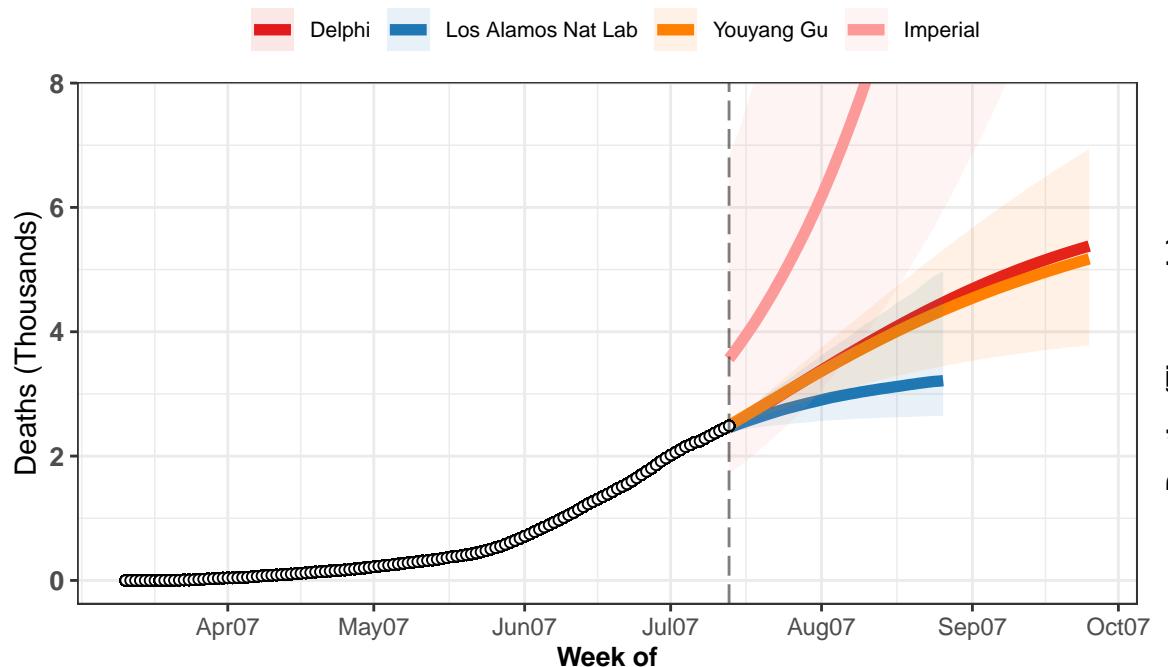


## All Cumulative Errors

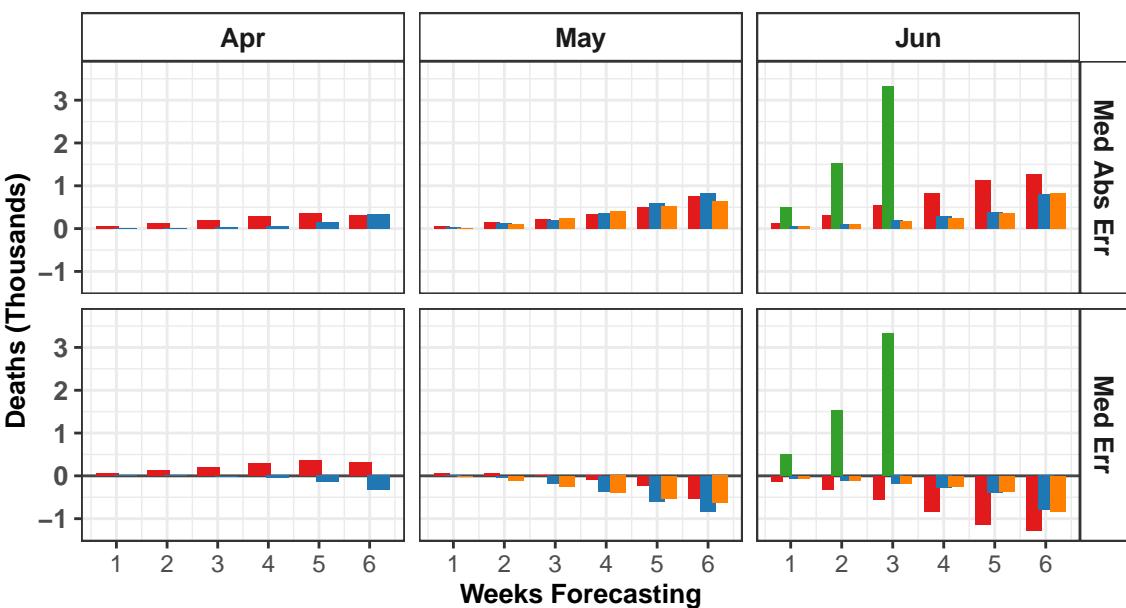


# Saudi Arabia

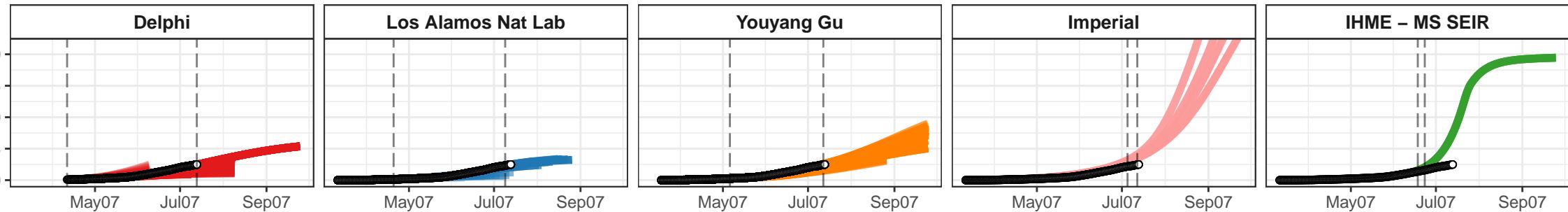
## Current Forecast



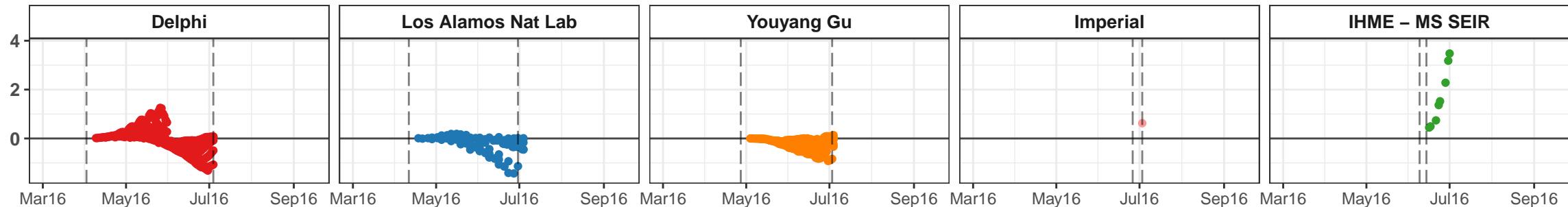
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



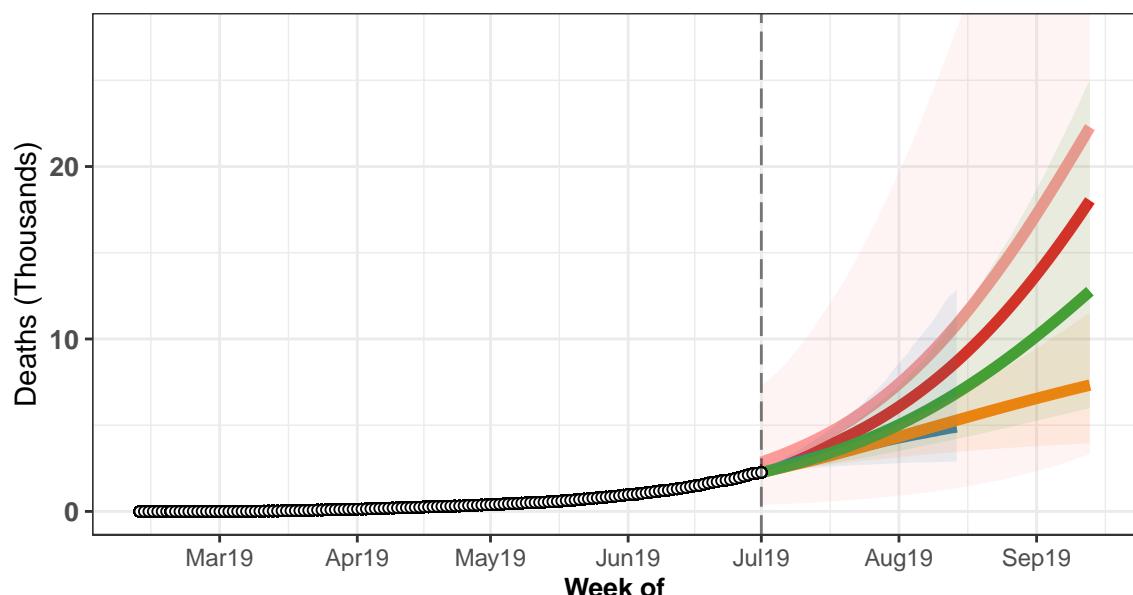
## All Cumulative Errors



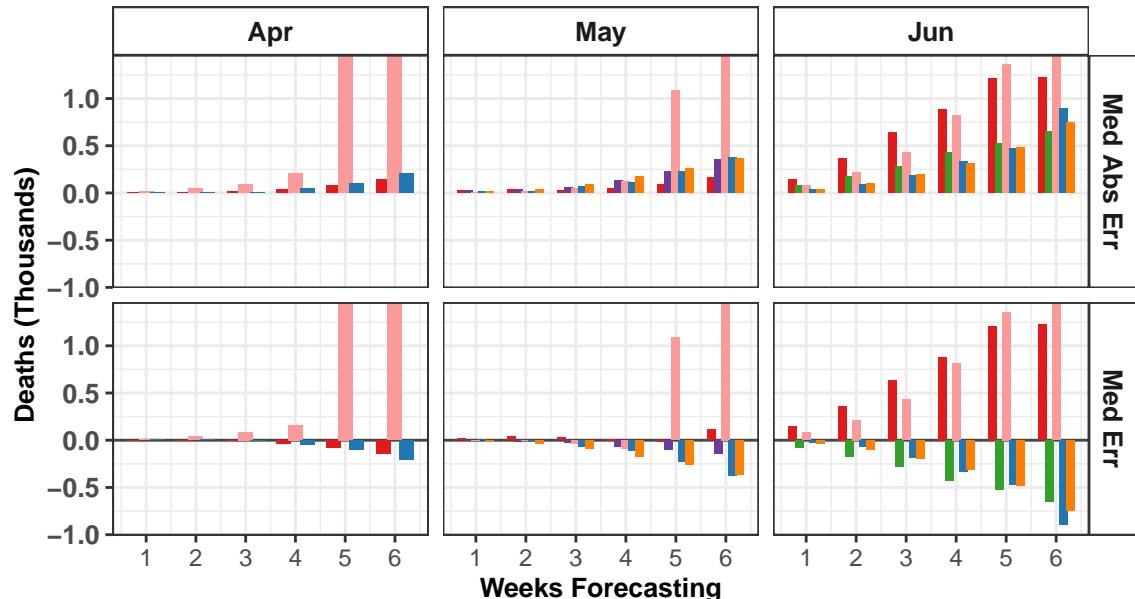
# Argentina

## Current Forecast

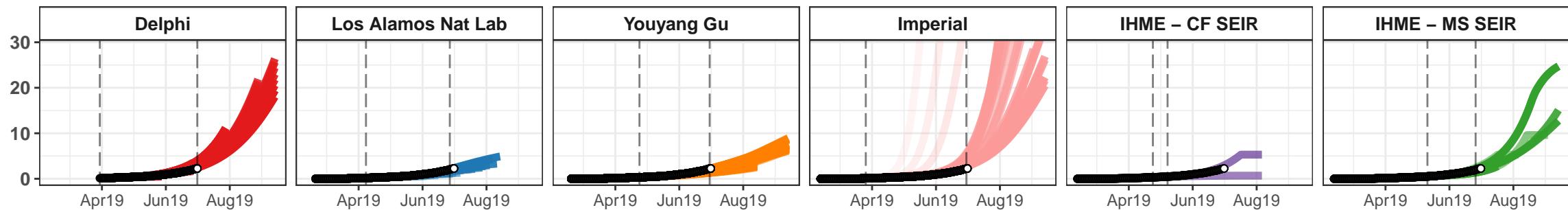
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



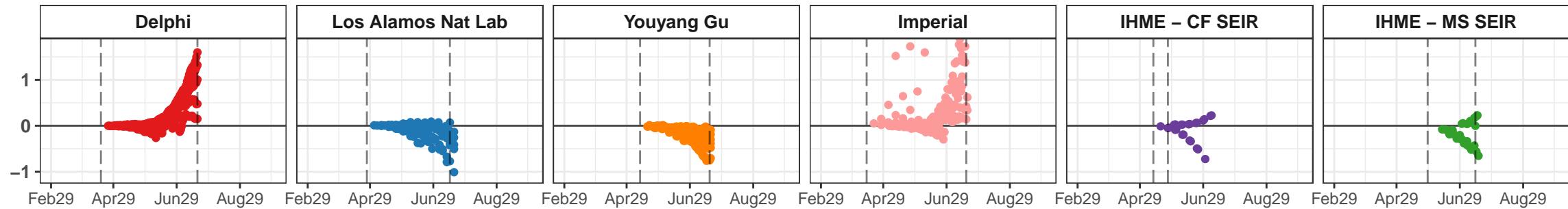
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

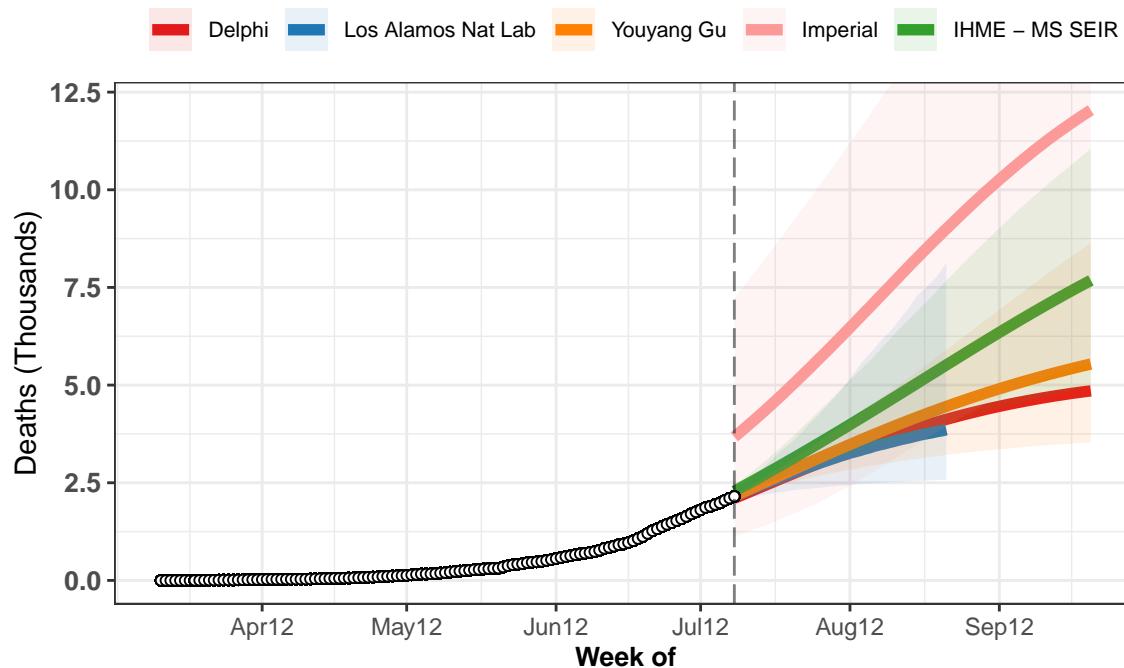


## All Cumulative Errors

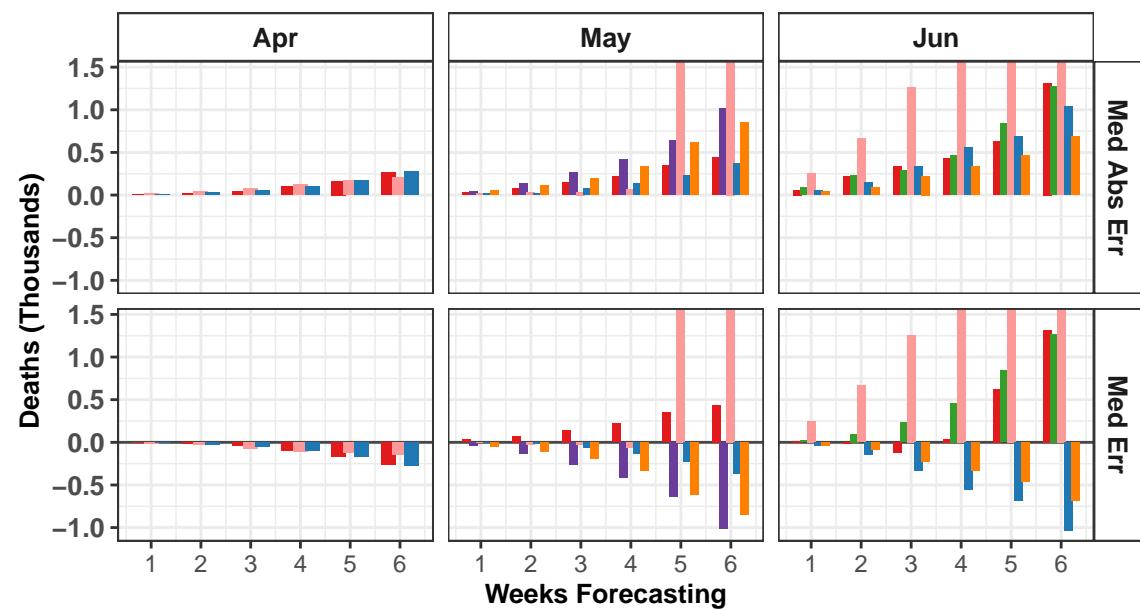


# Bolivia

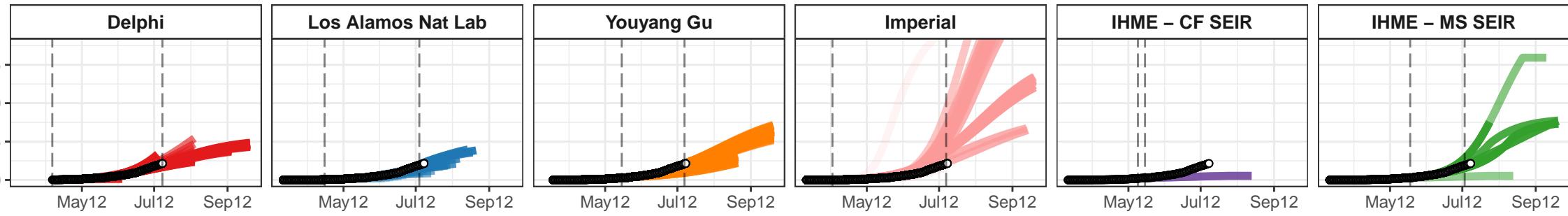
## Current Forecast



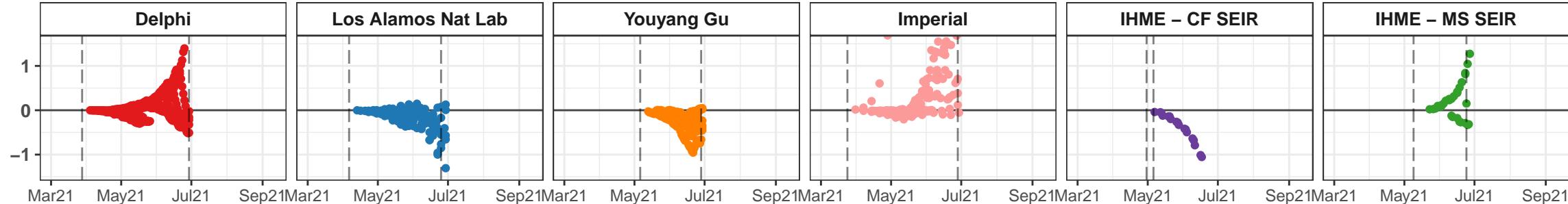
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



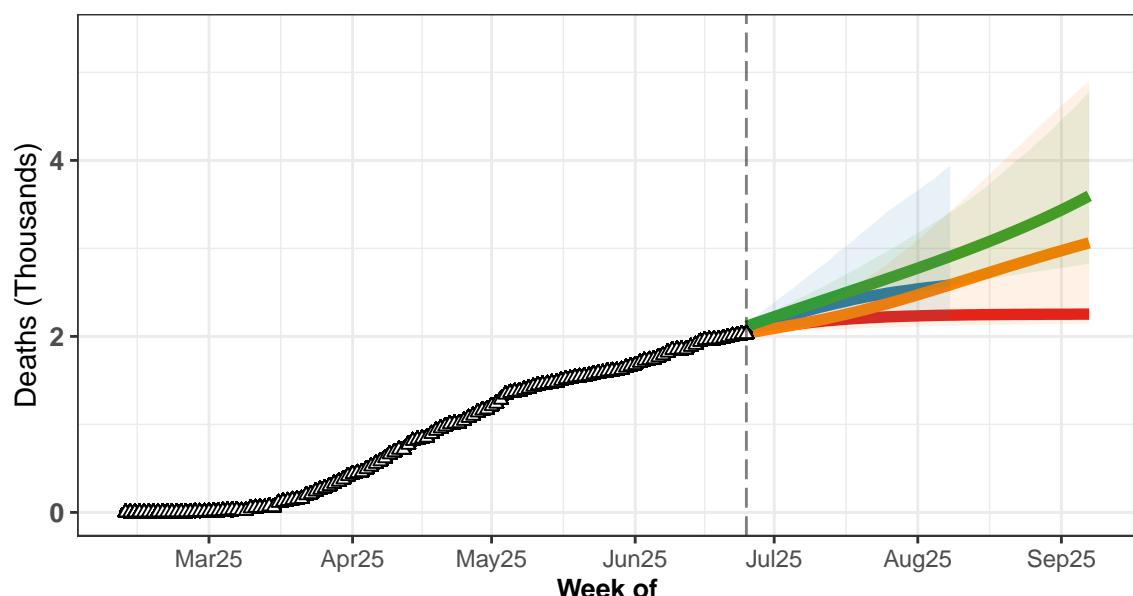
## All Cumulative Errors



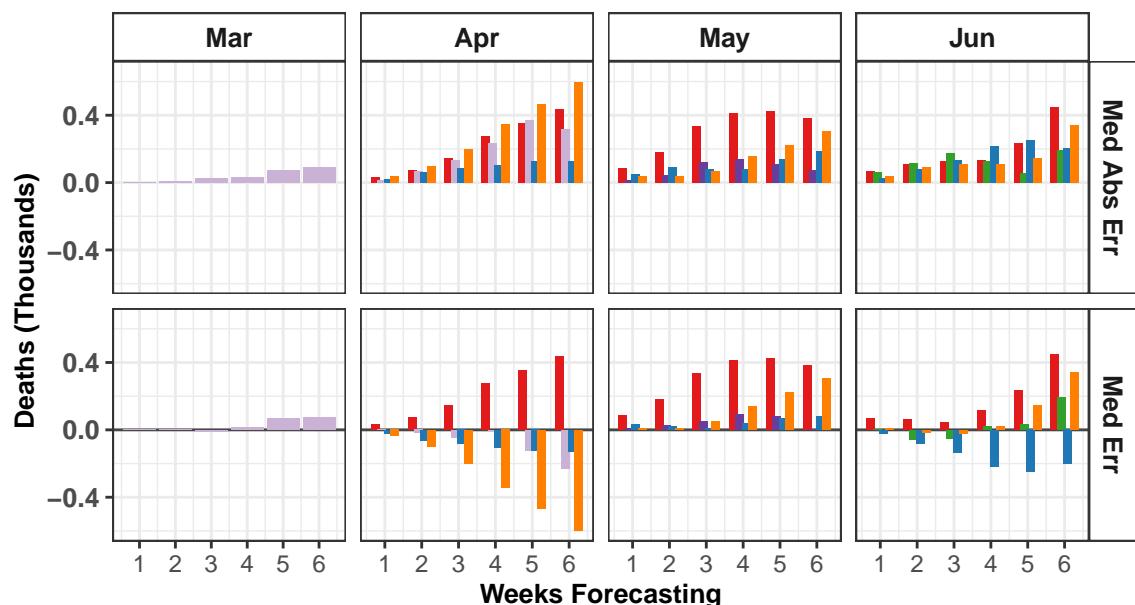
# Virginia

## Current Forecast

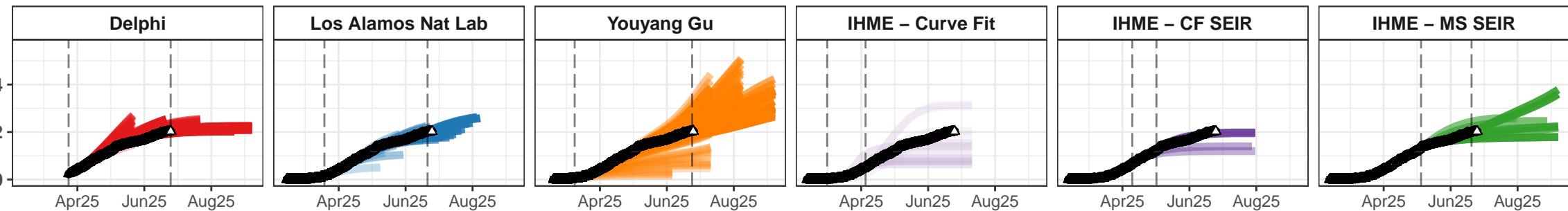
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



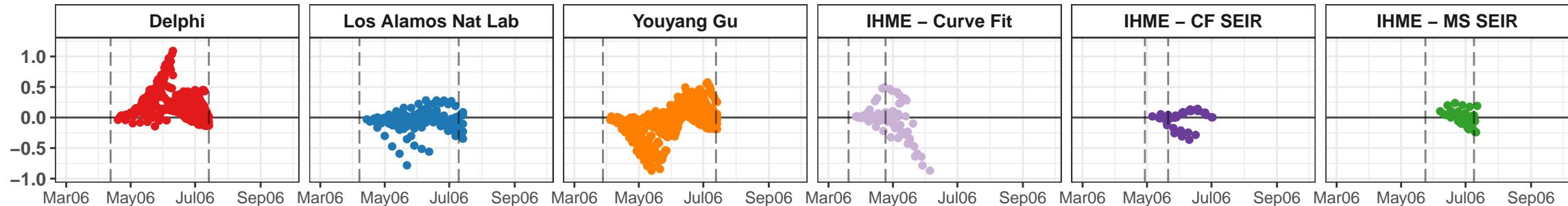
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

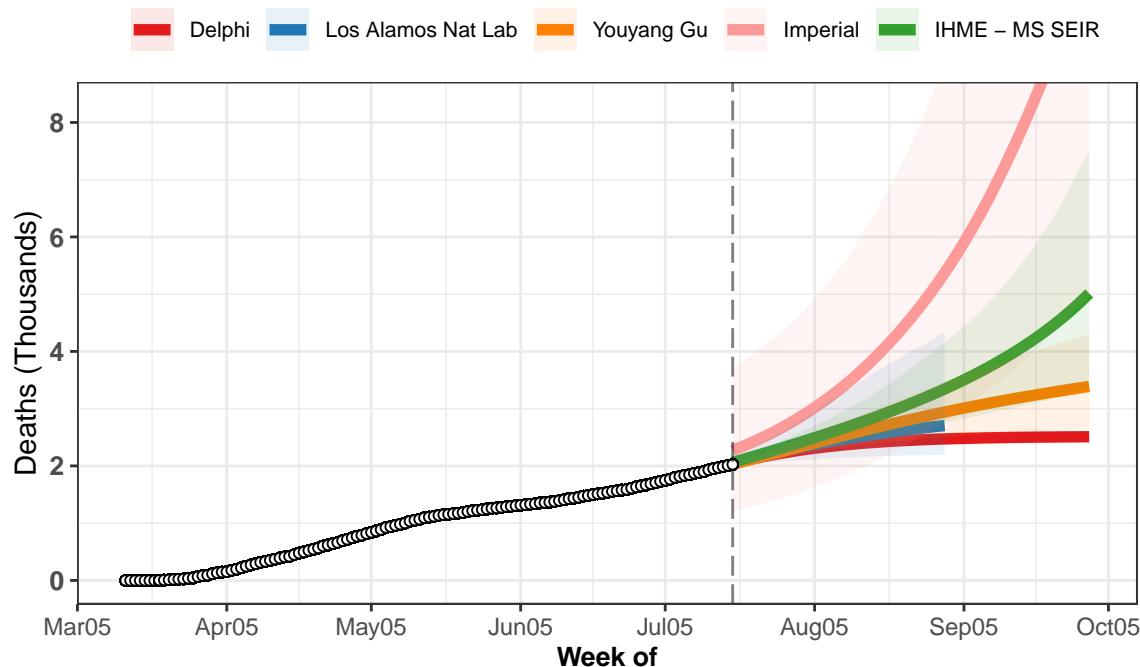


## All Cumulative Errors

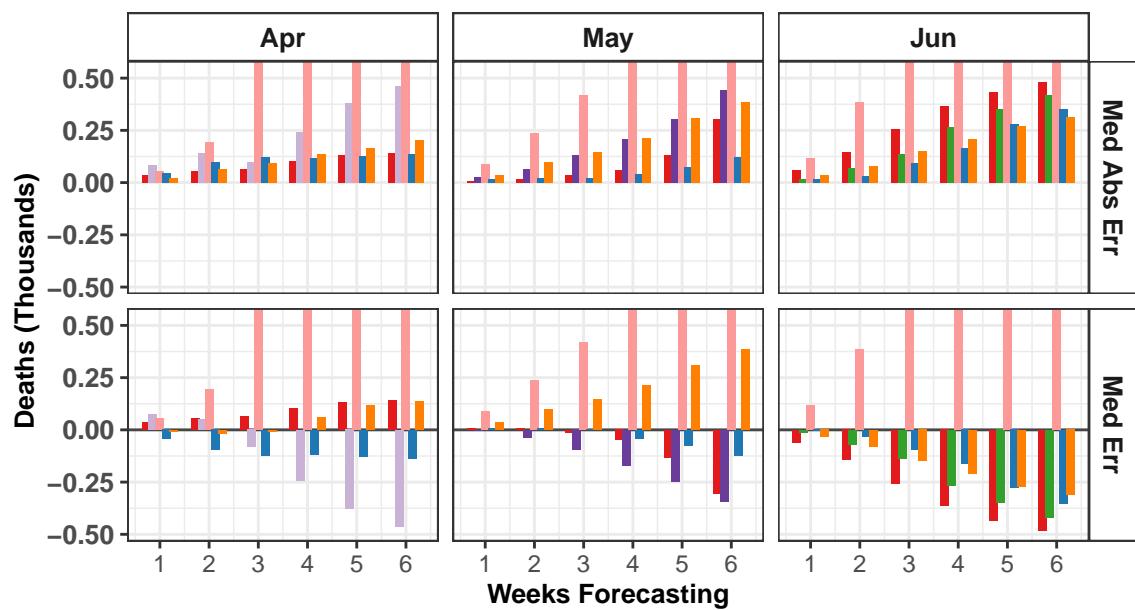


# Romania

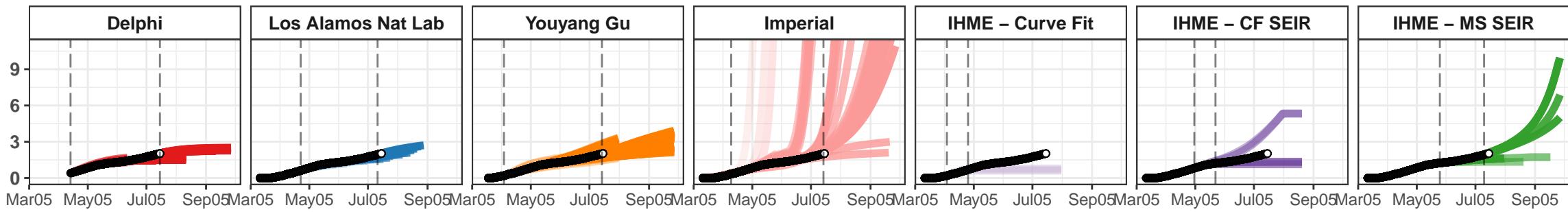
## Current Forecast



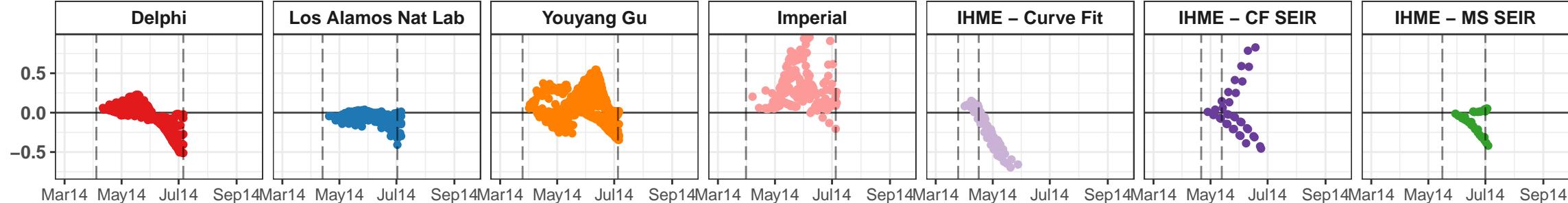
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



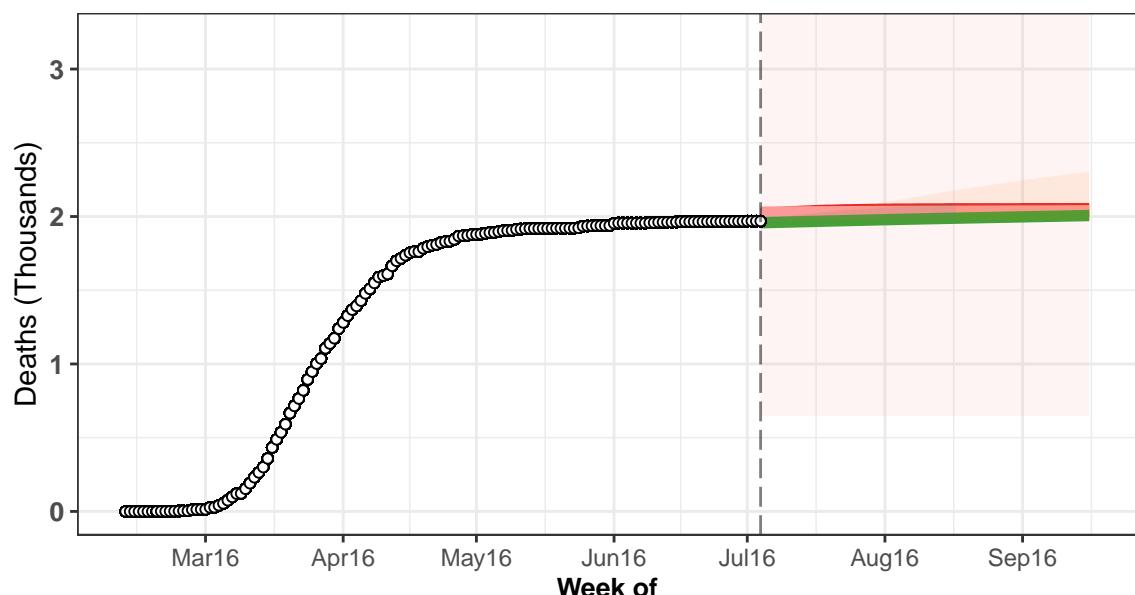
## All Cumulative Errors



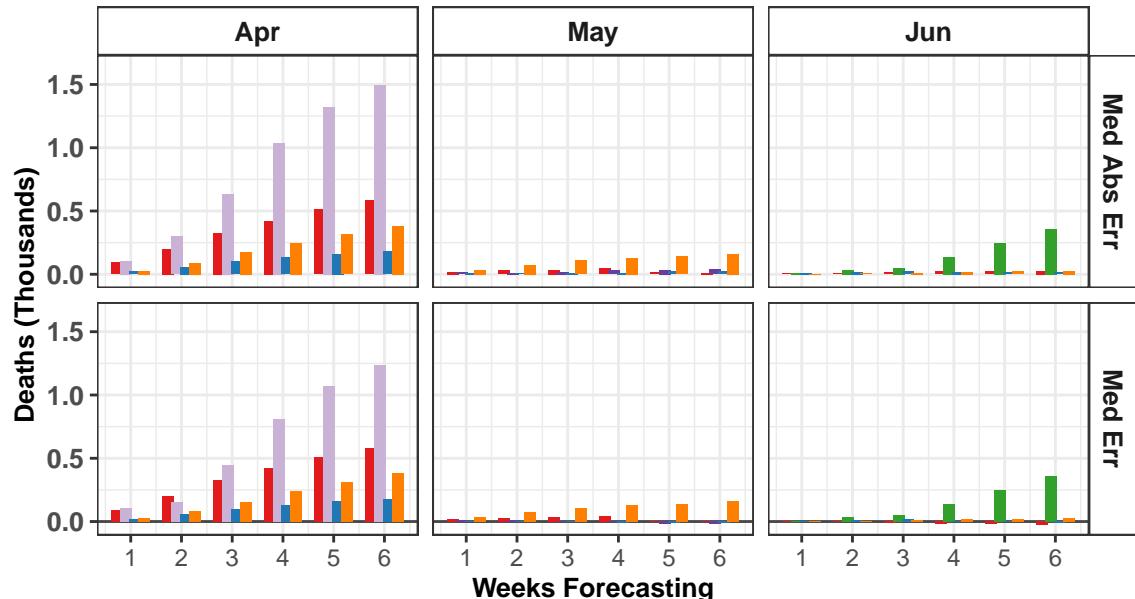
# Switzerland

## Current Forecast

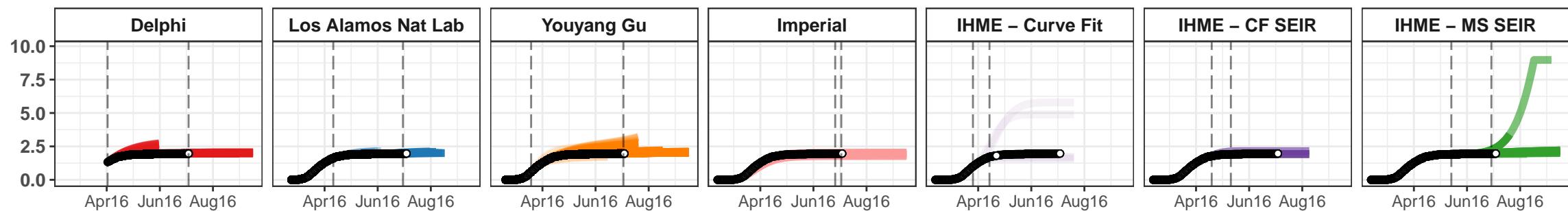
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



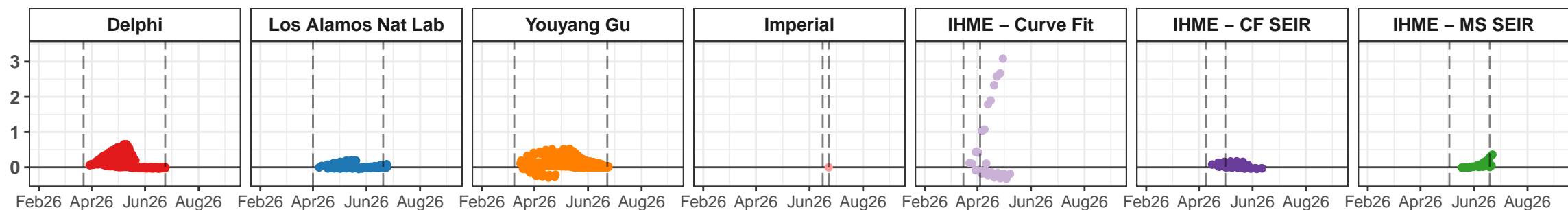
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

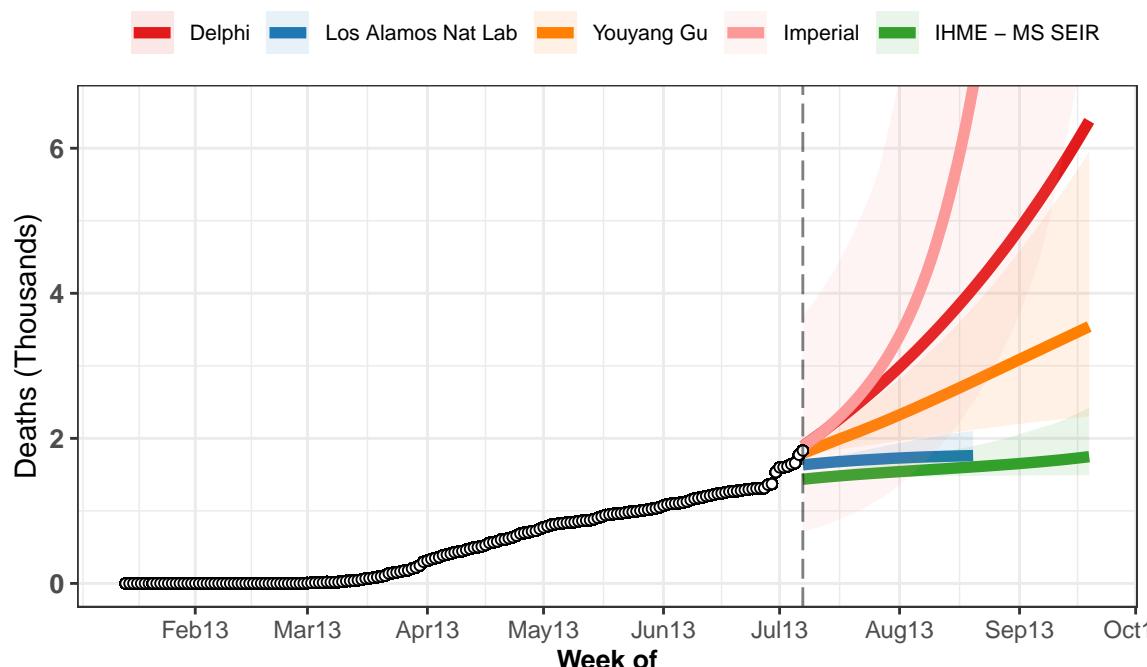


## All Cumulative Errors

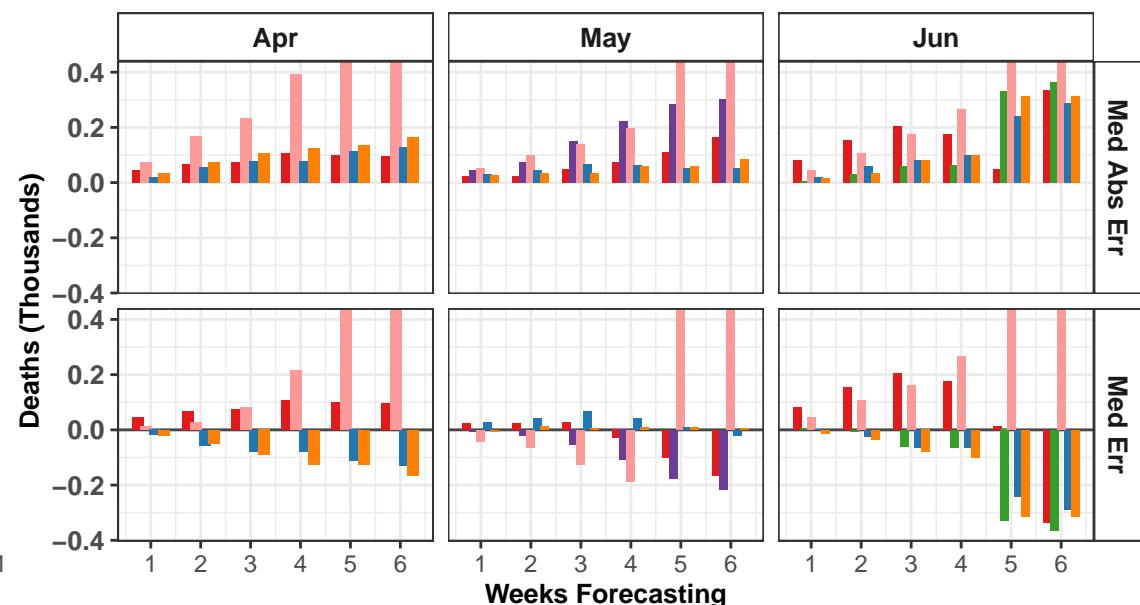


# Philippines

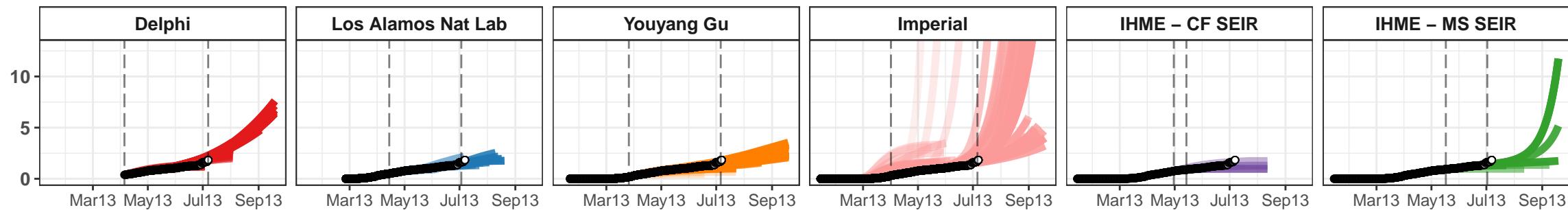
## Current Forecast



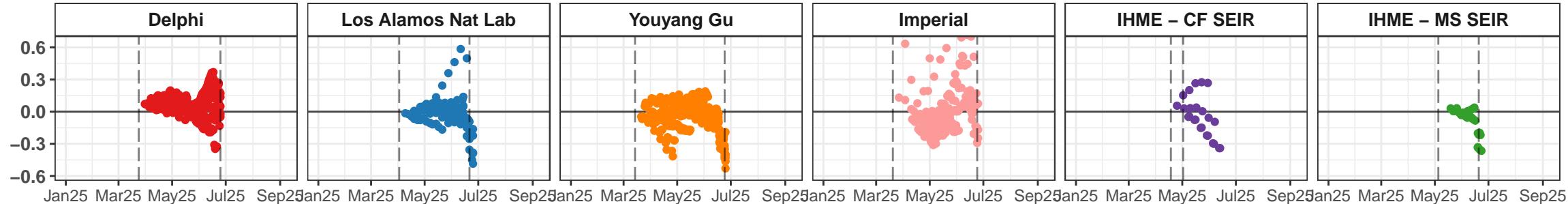
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

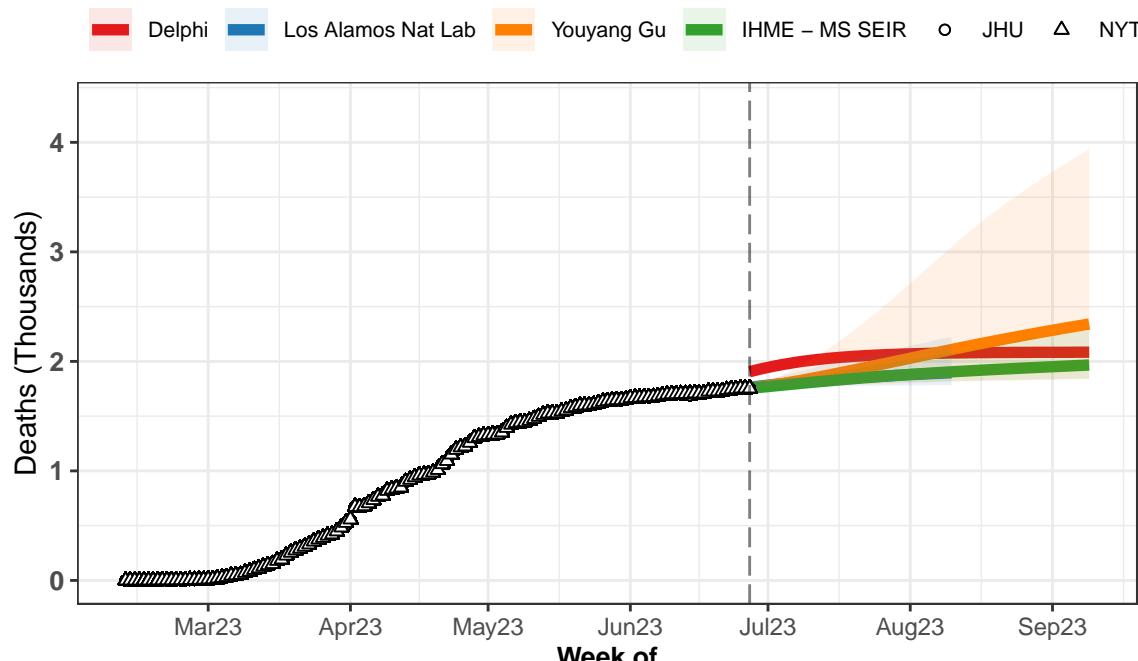


## All Cumulative Errors

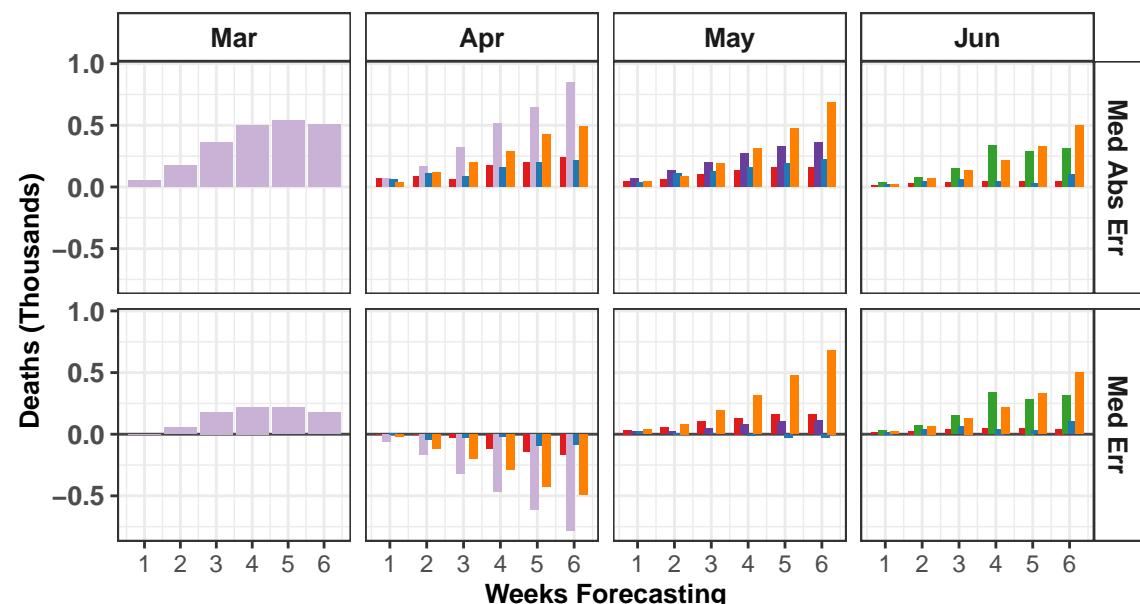


# Colorado

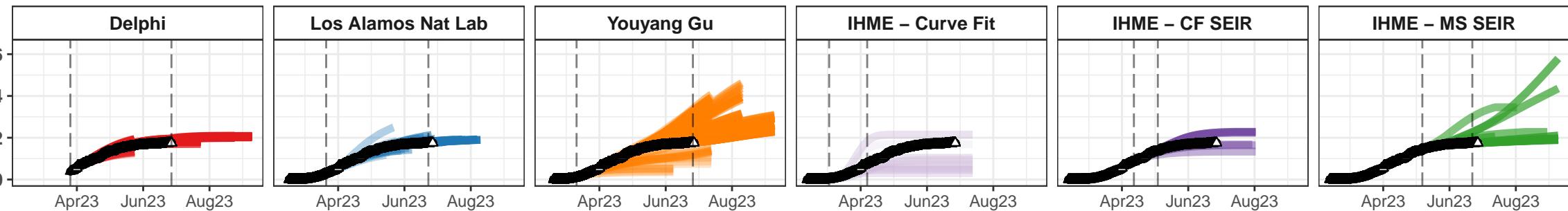
## Current Forecast



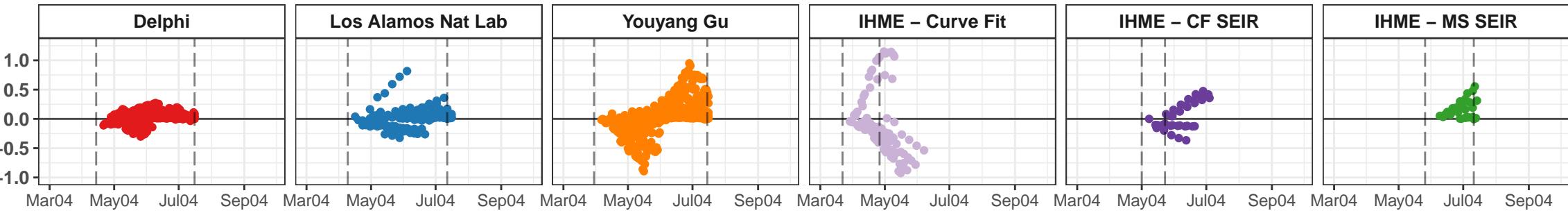
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

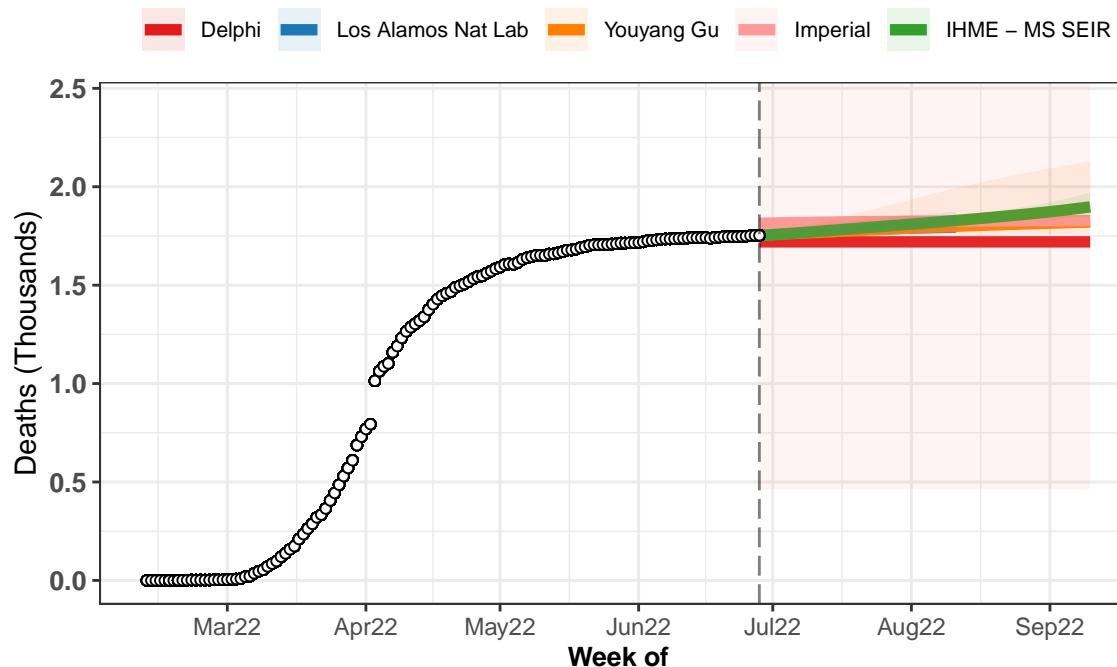


## All Cumulative Errors

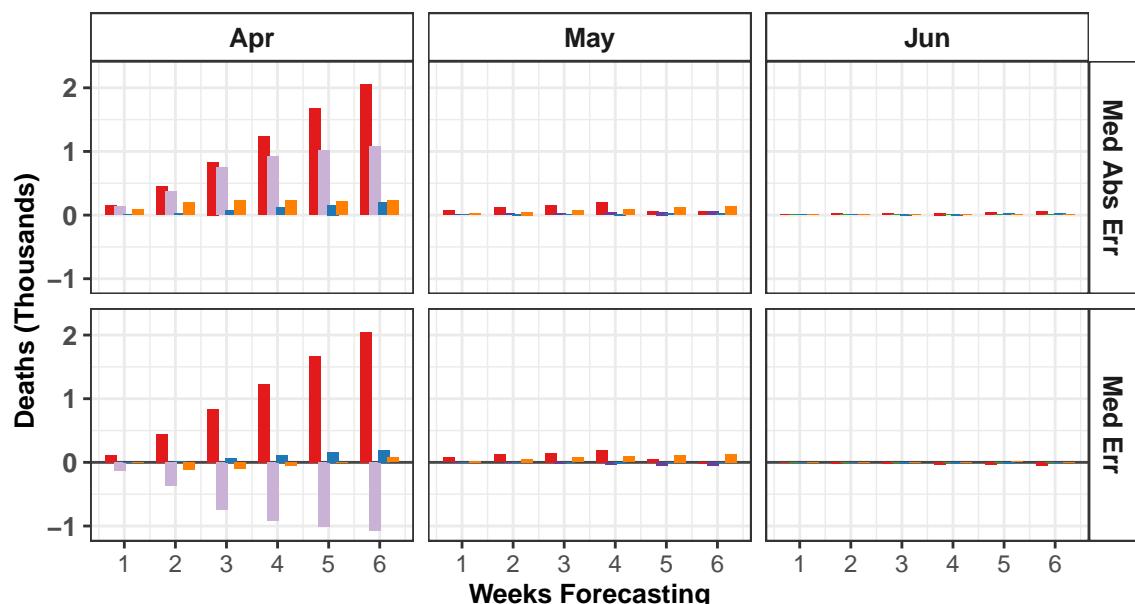


# Ireland

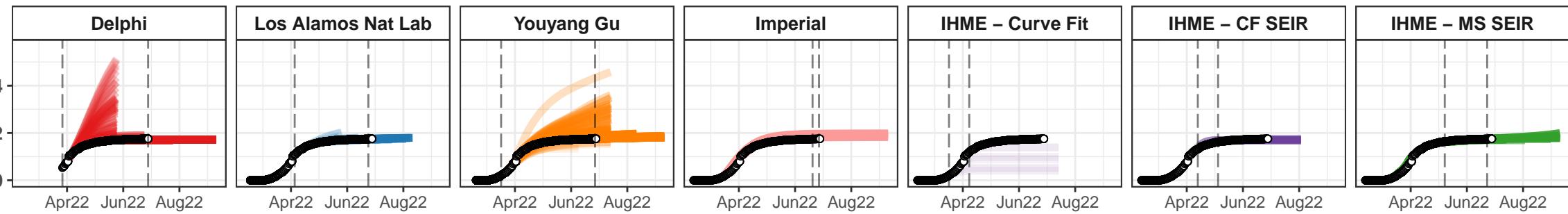
## Current Forecast



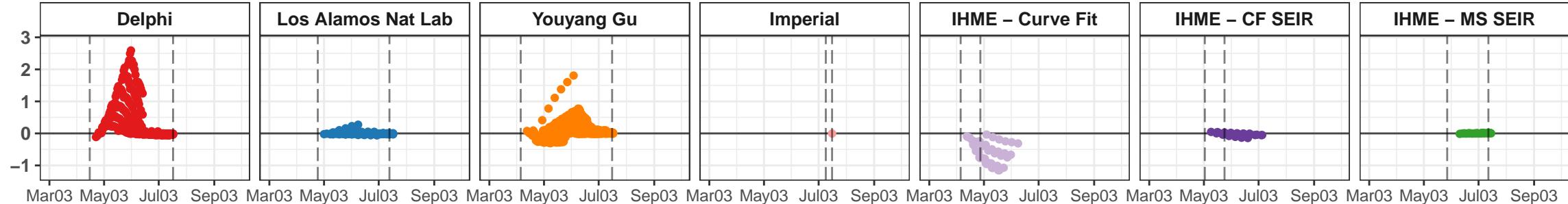
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

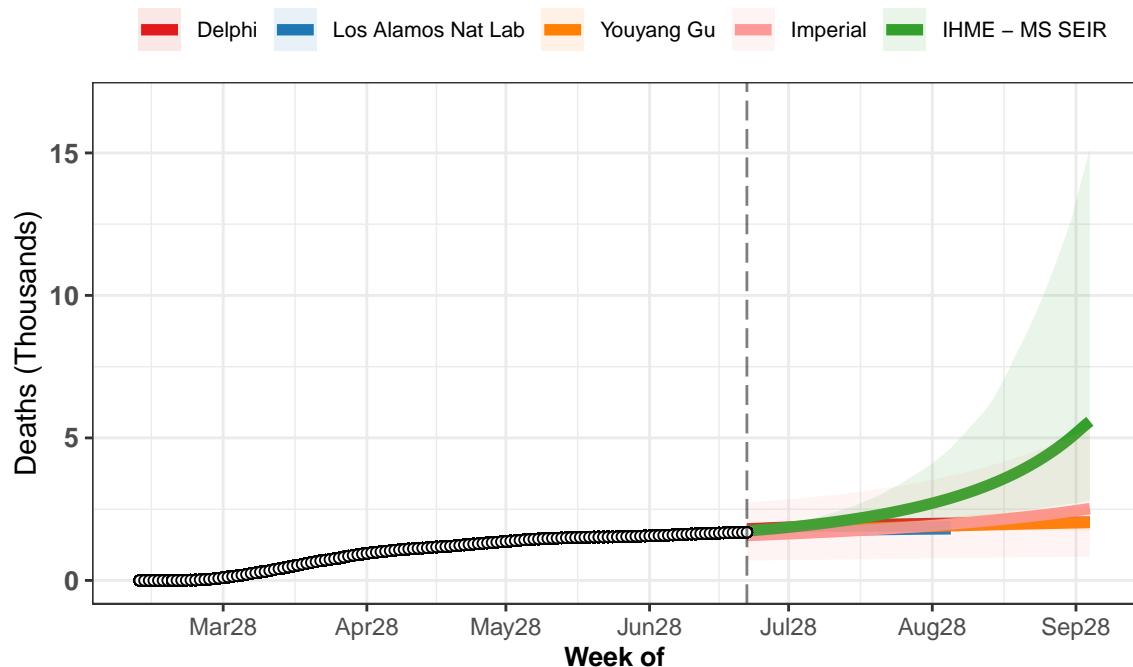


## All Cumulative Errors

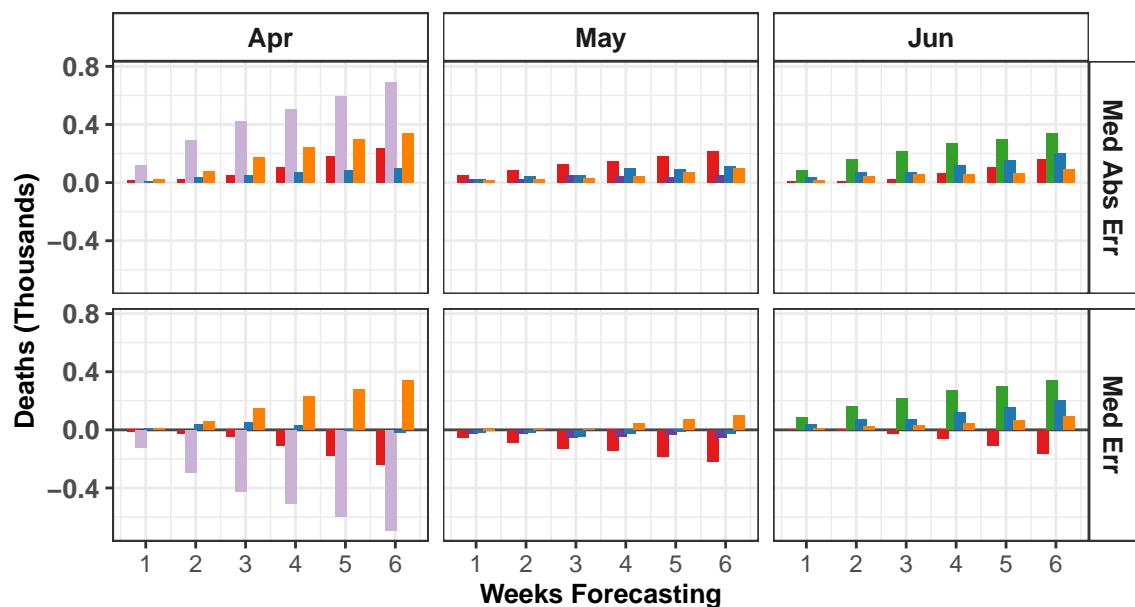


# Portugal

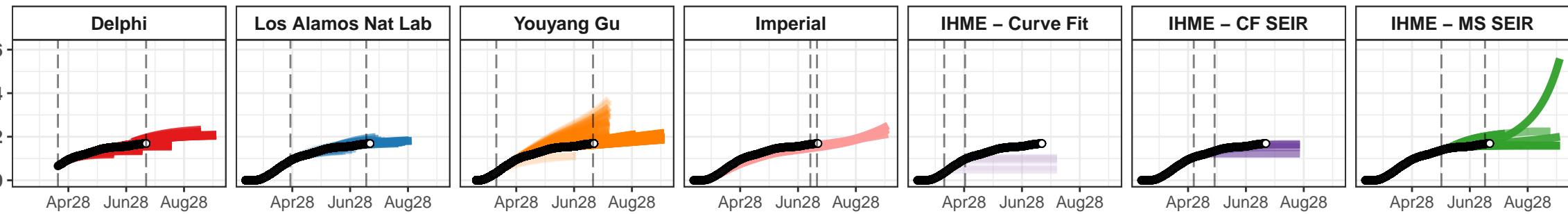
## Current Forecast



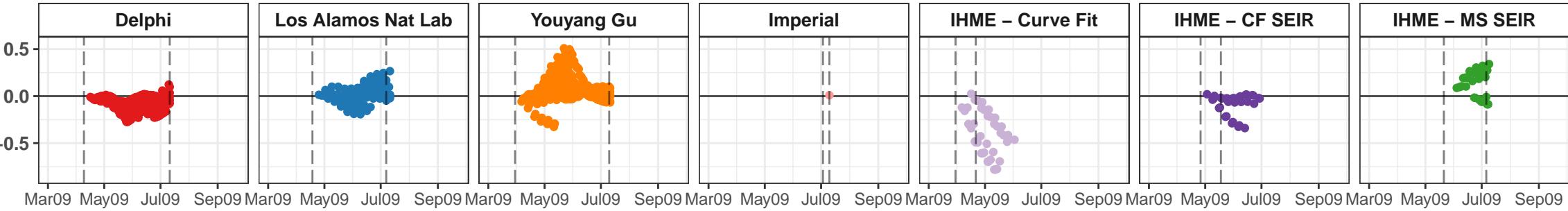
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

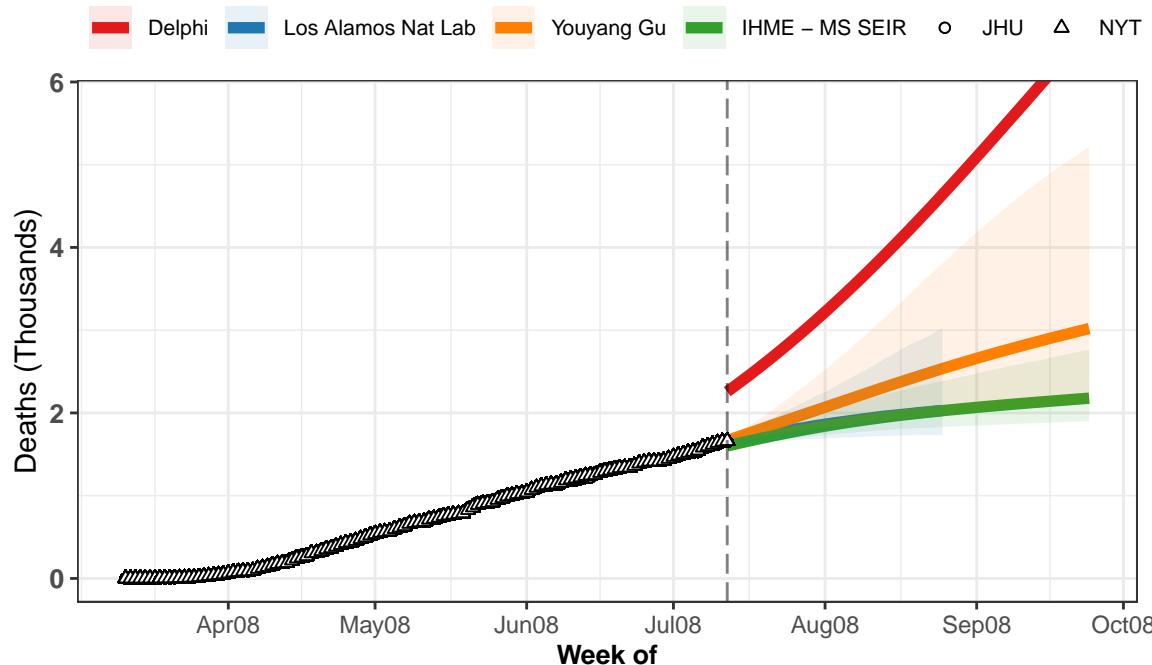


## All Cumulative Errors

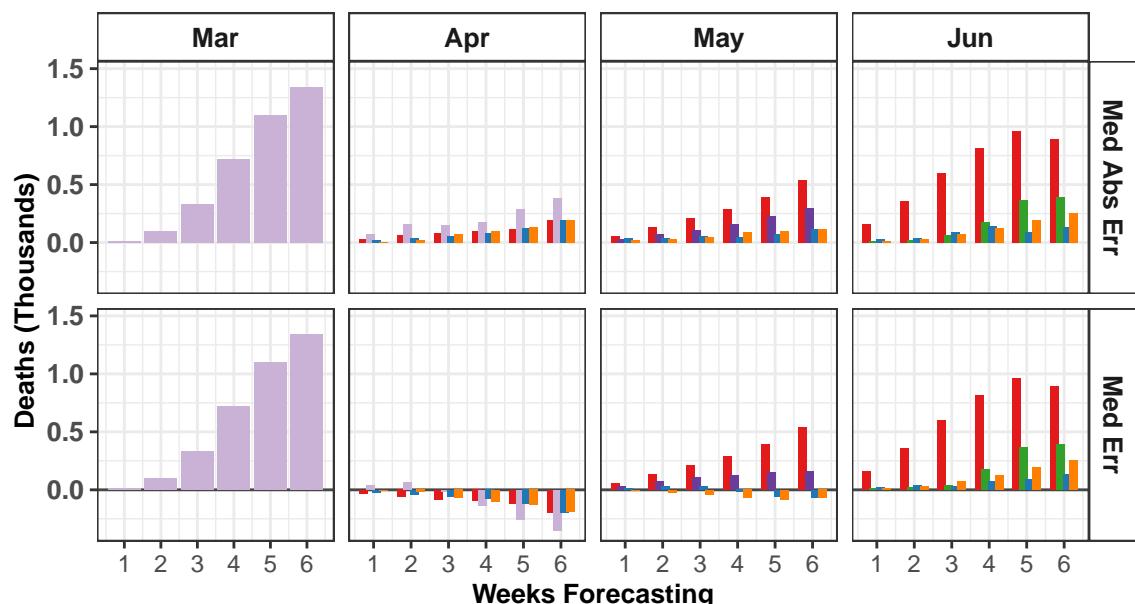


# North Carolina

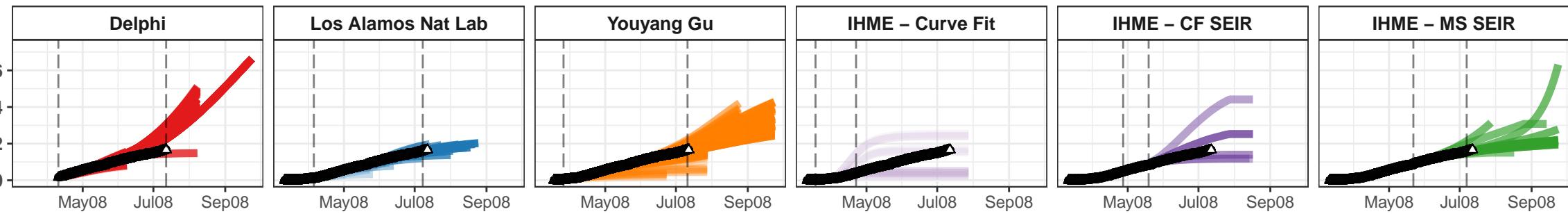
## Current Forecast



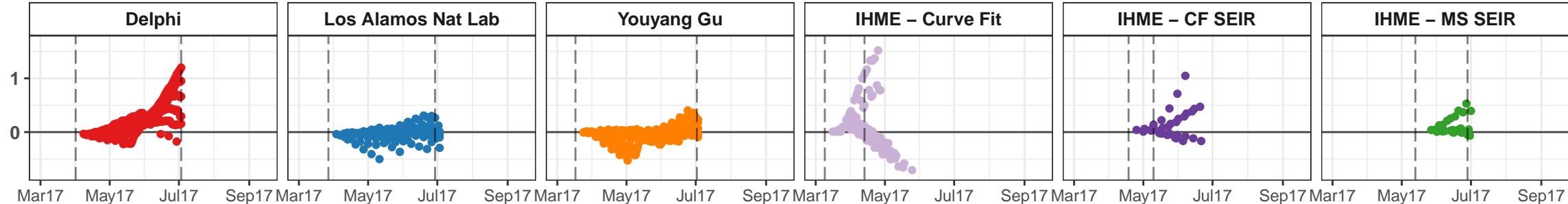
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

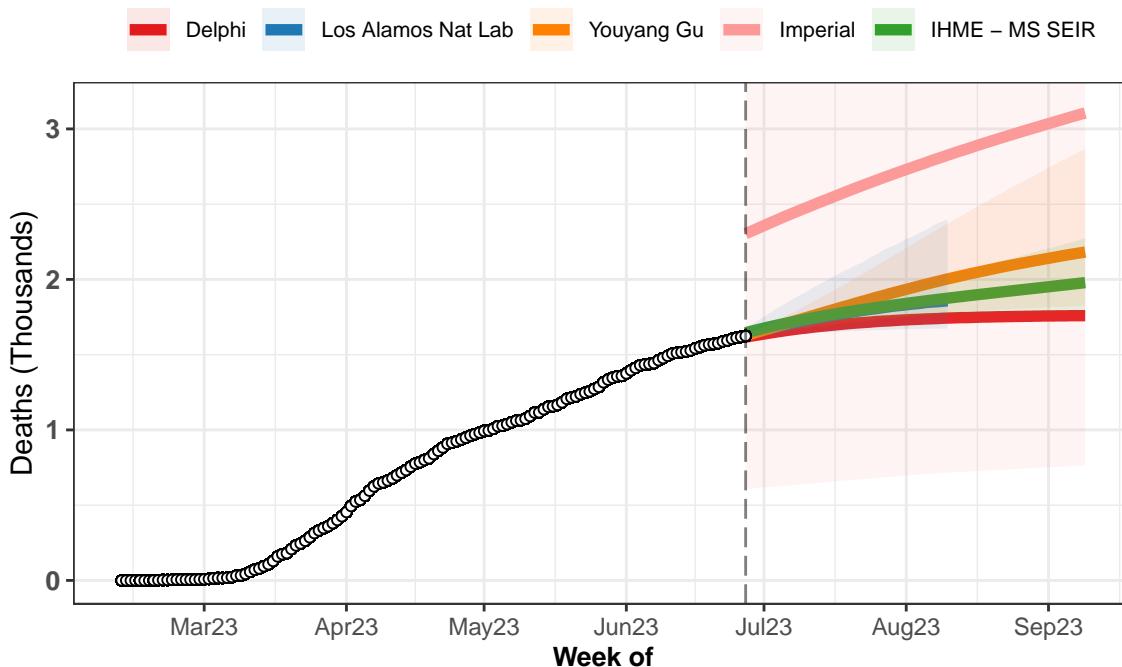


## All Cumulative Errors

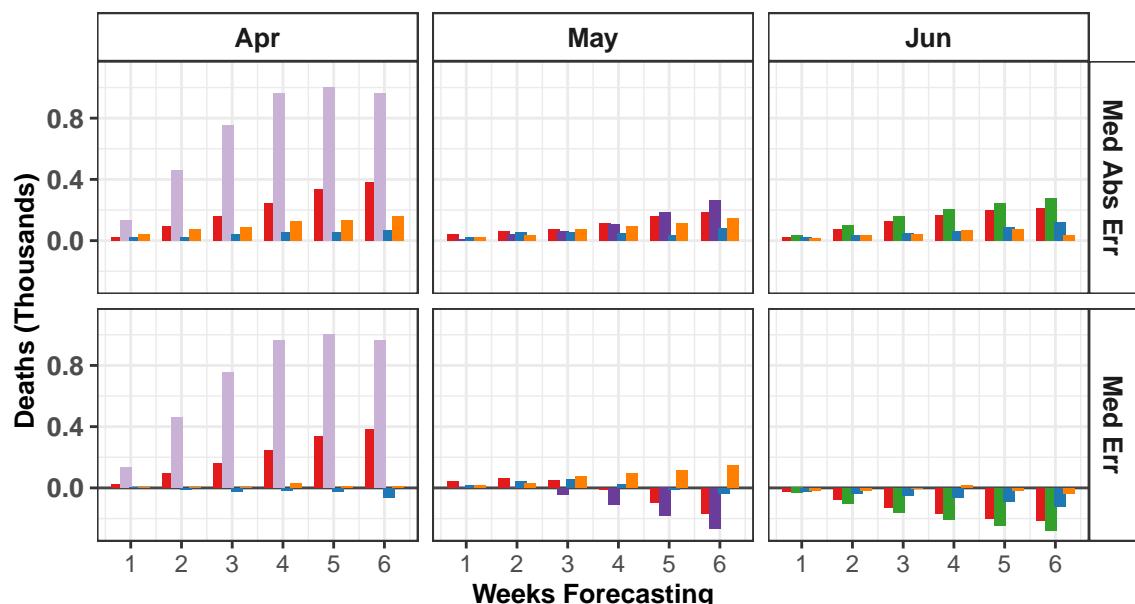


# Poland

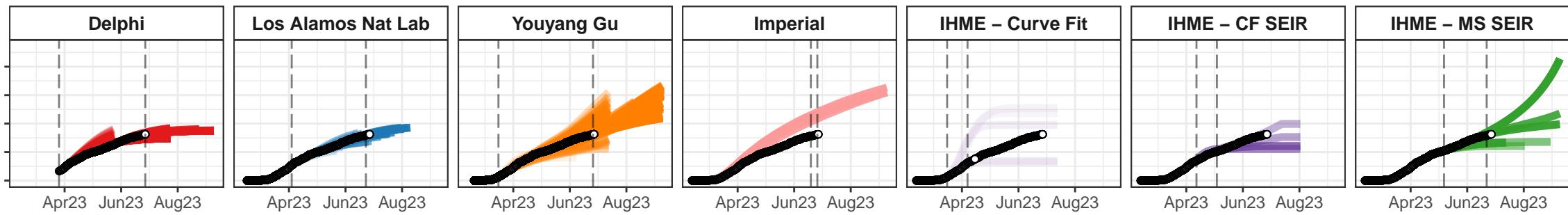
## Current Forecast



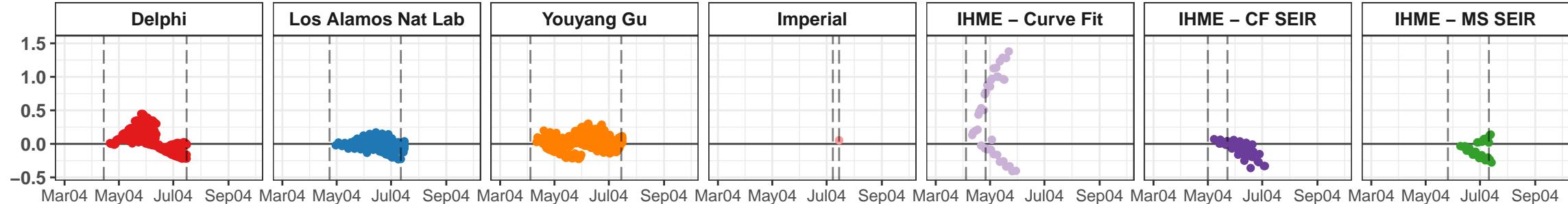
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

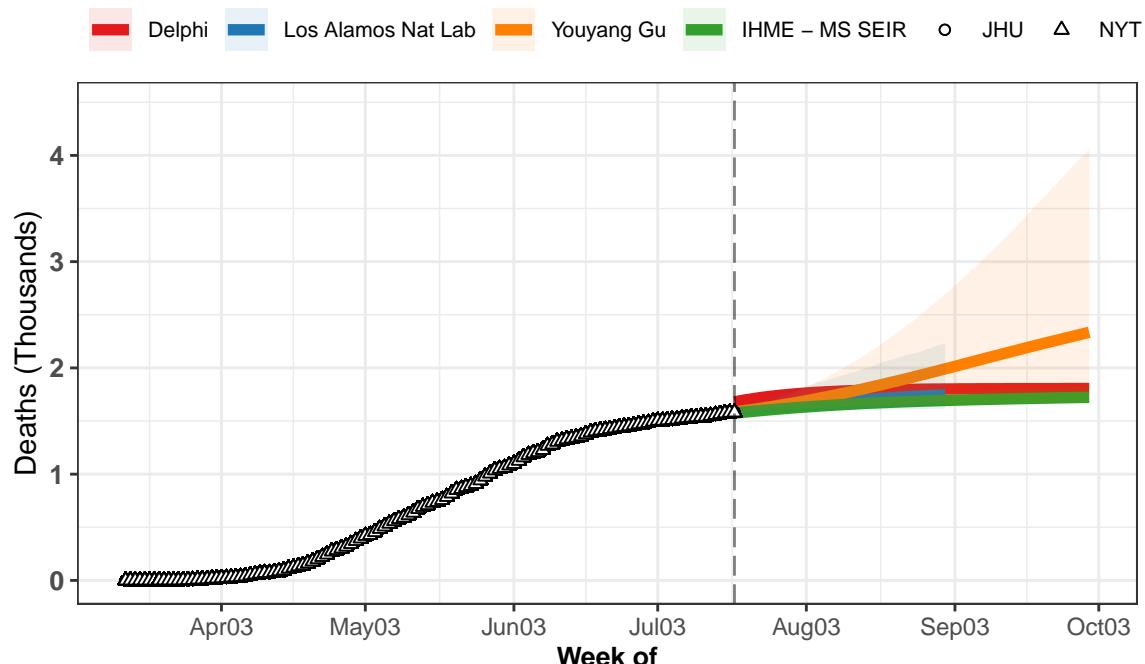


## All Cumulative Errors

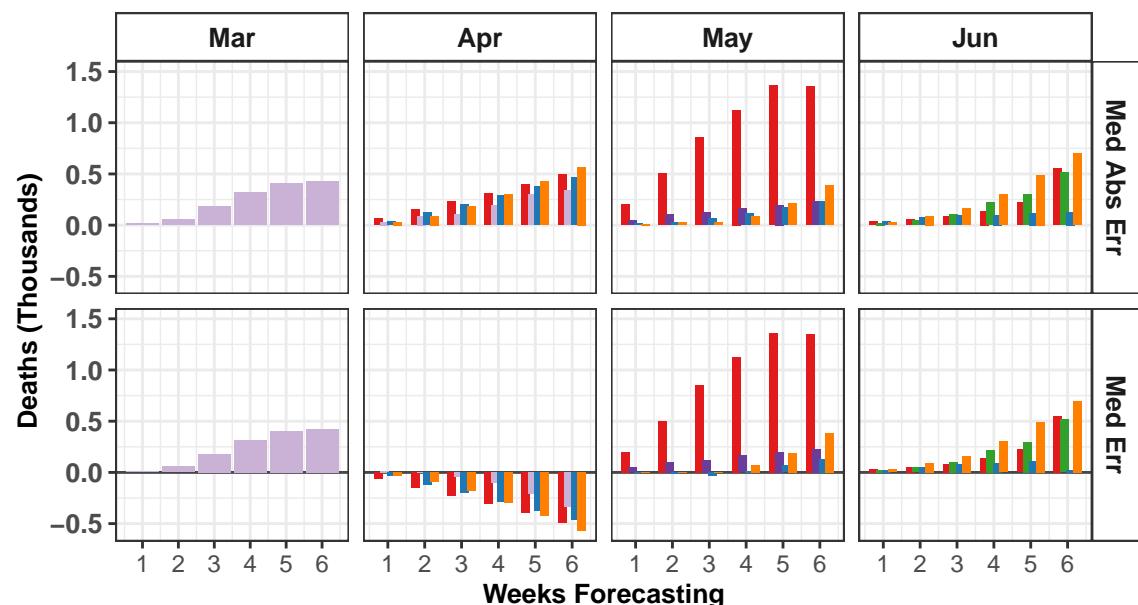


# Minnesota

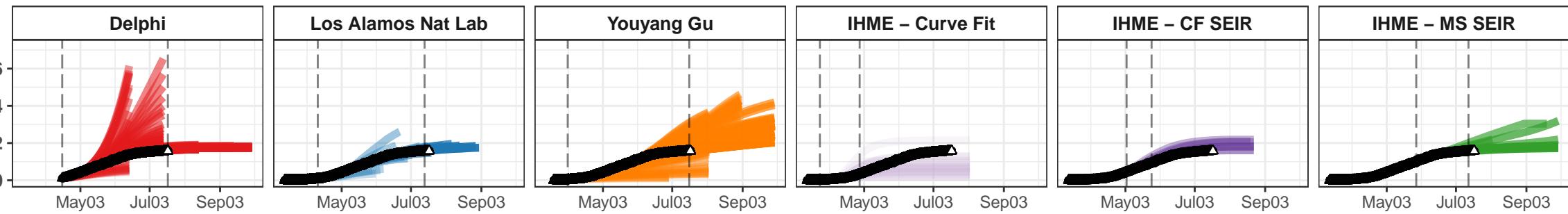
## Current Forecast



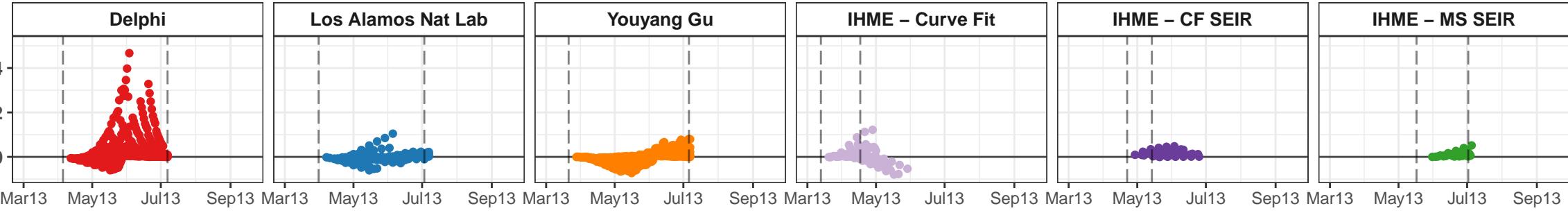
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



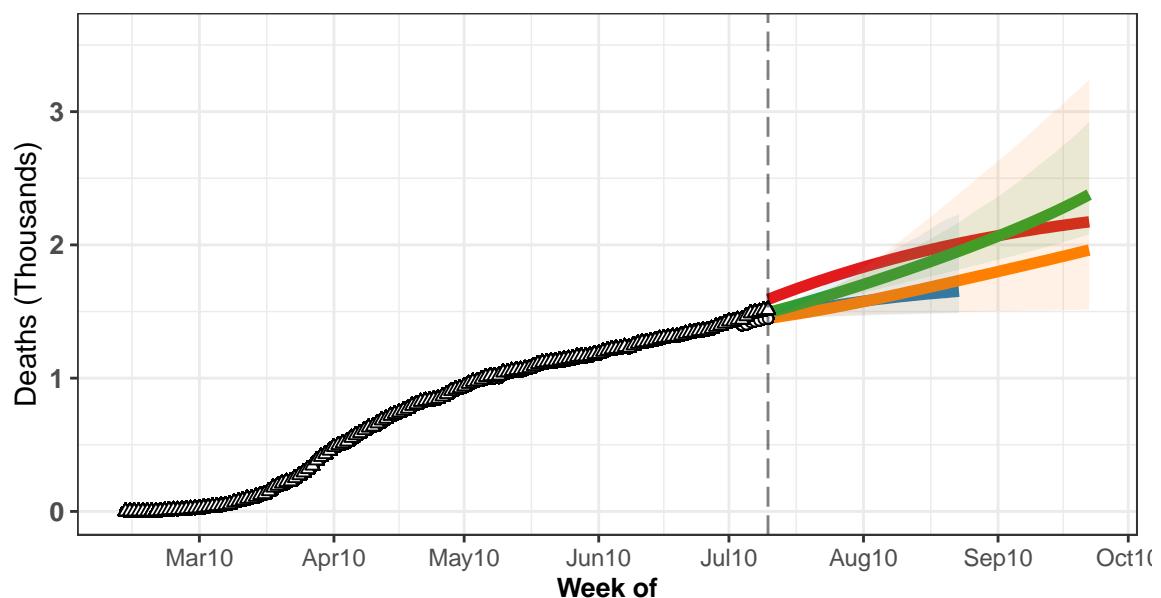
## All Cumulative Errors



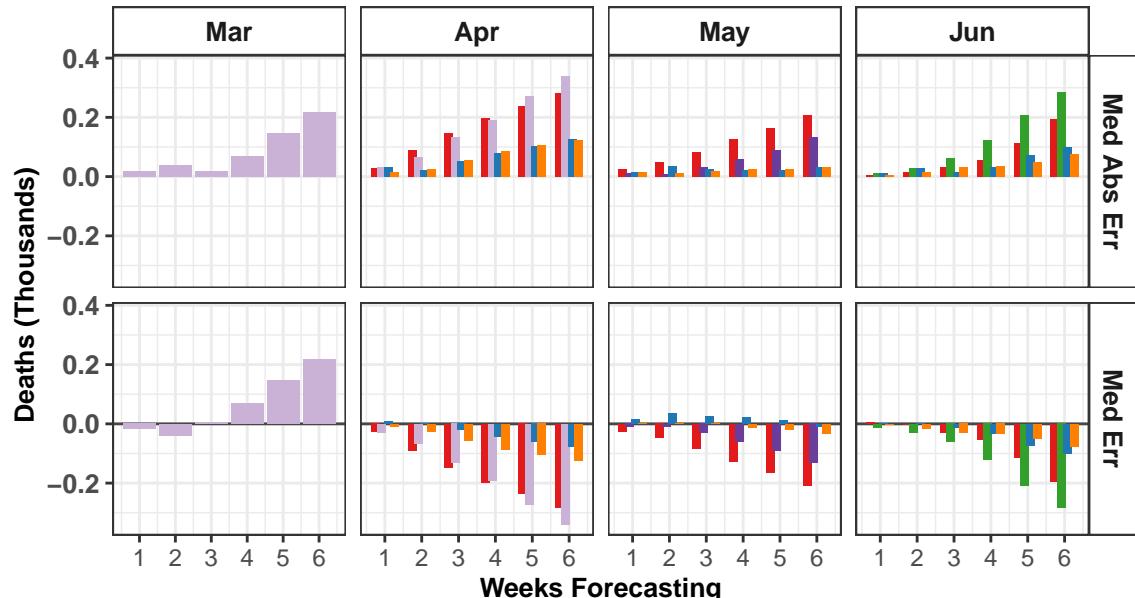
# Washington

## Current Forecast

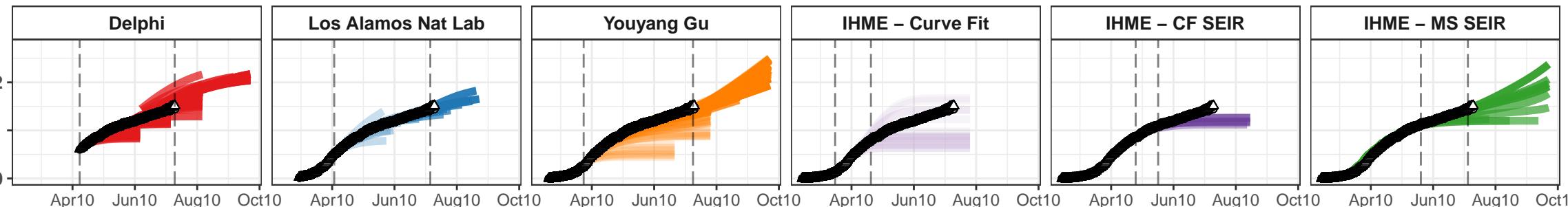
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



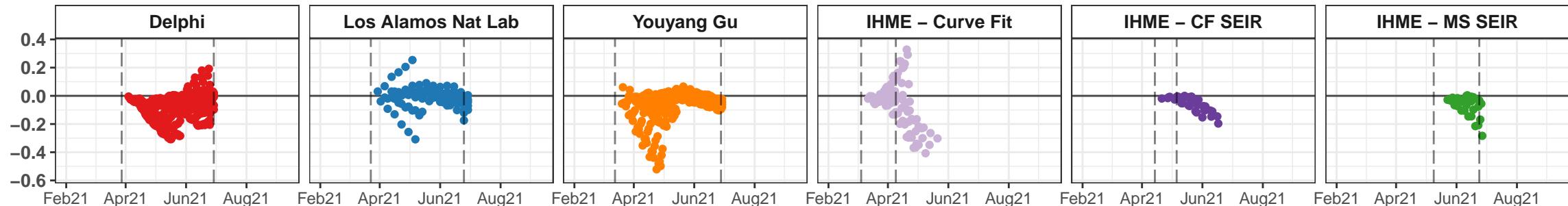
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



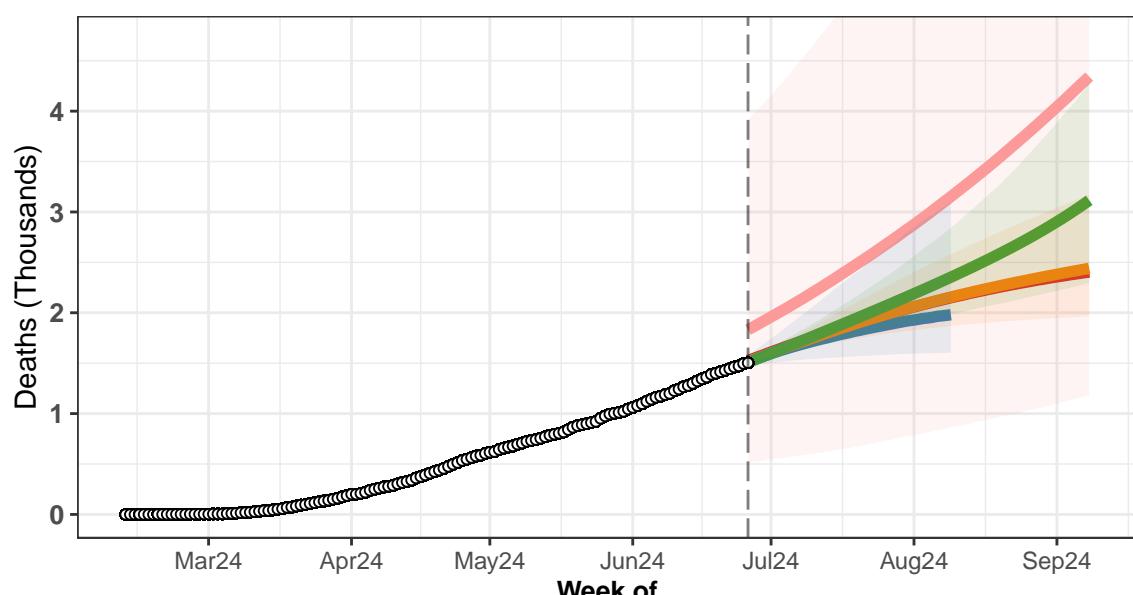
## All Cumulative Errors



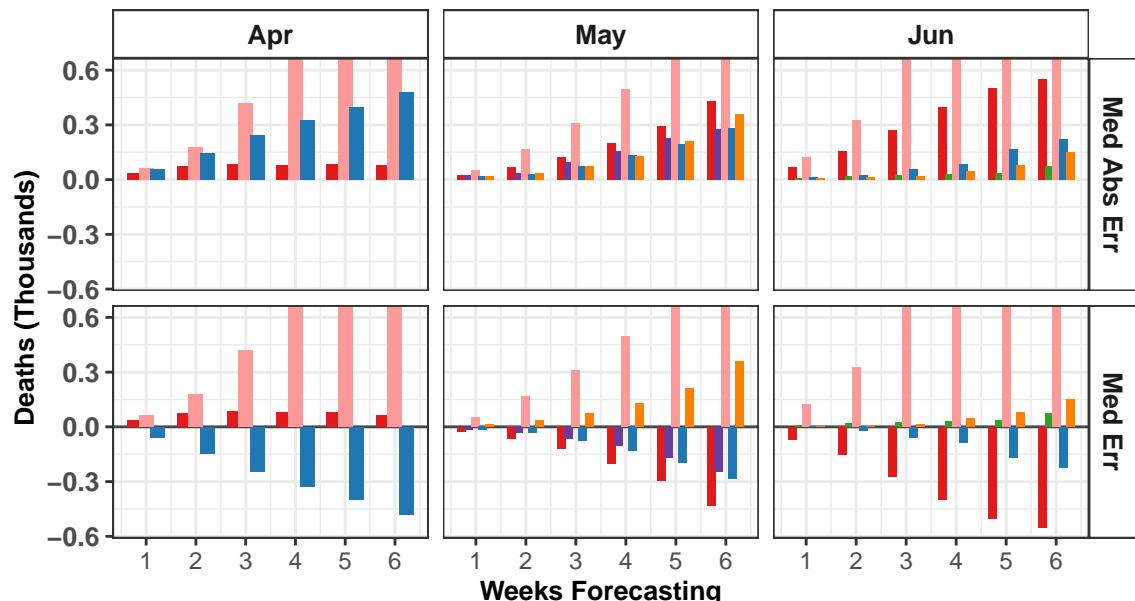
# Ukraine

## Current Forecast

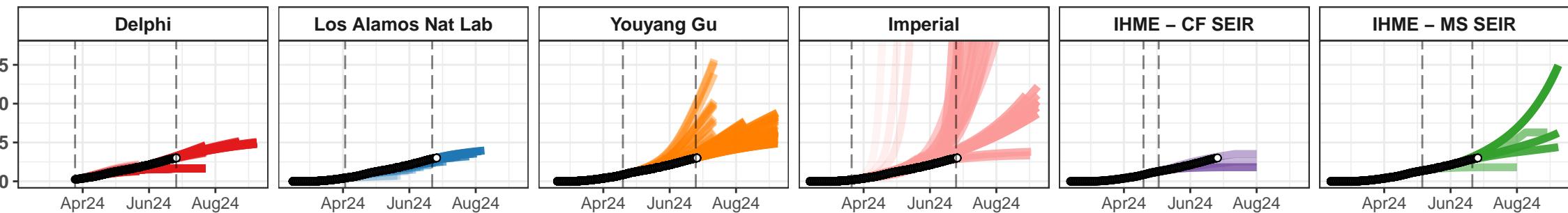
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



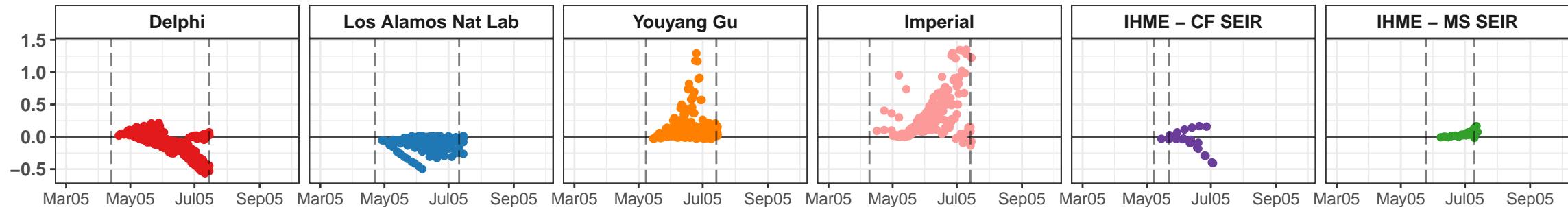
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

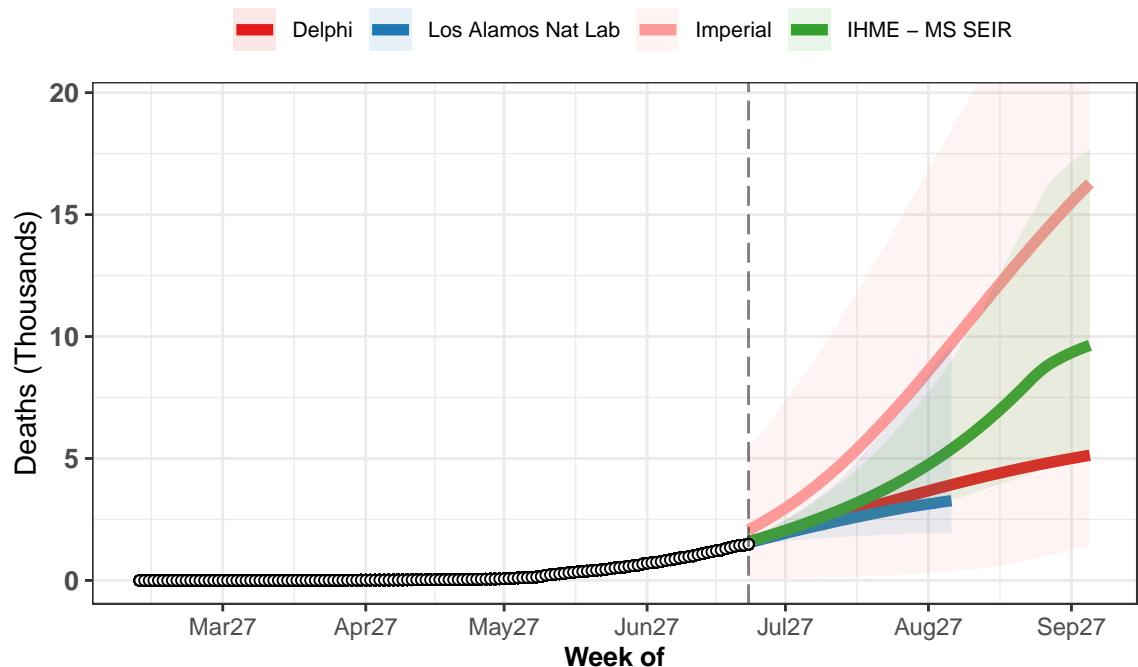


## All Cumulative Errors

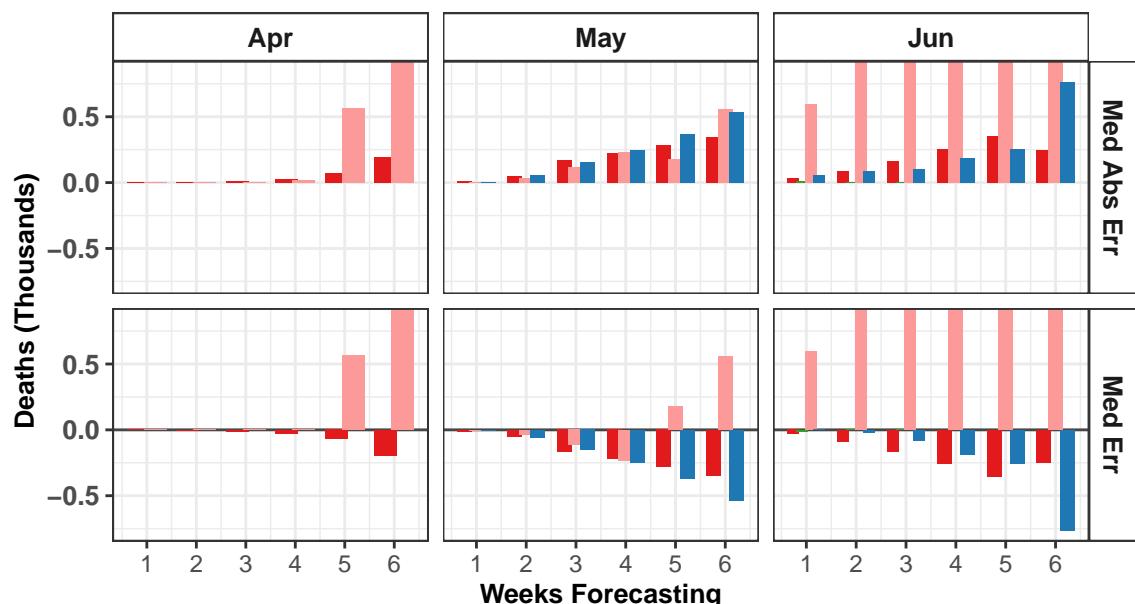


# Guatemala

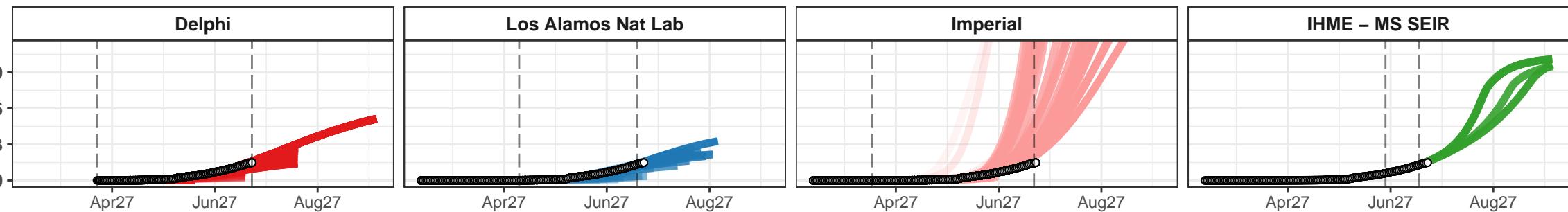
## Current Forecast



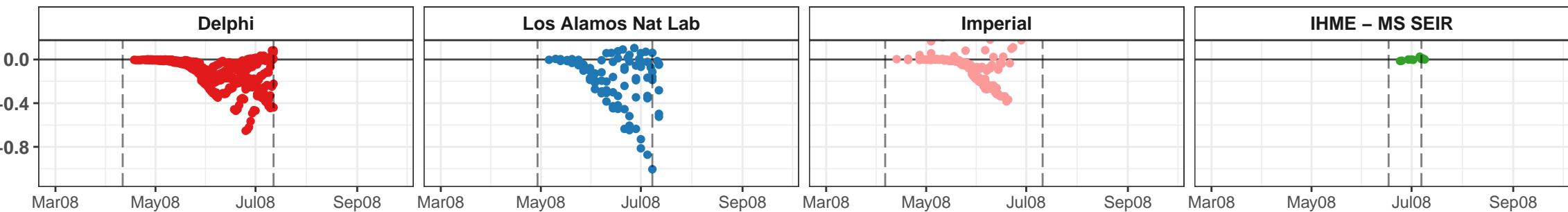
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

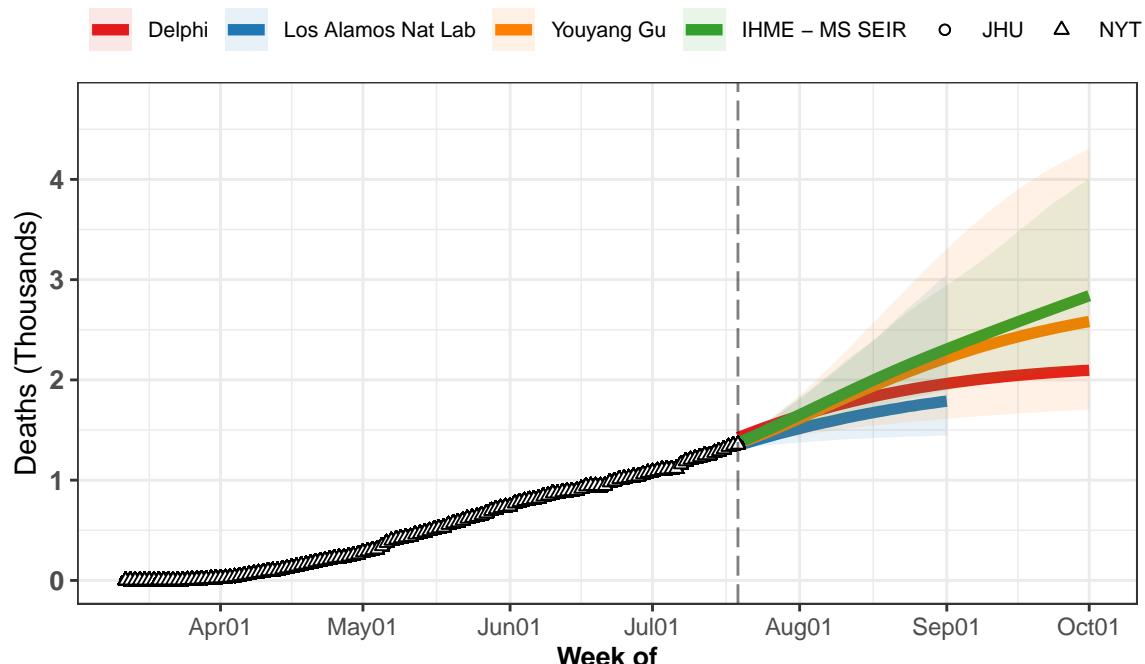


## All Cumulative Errors

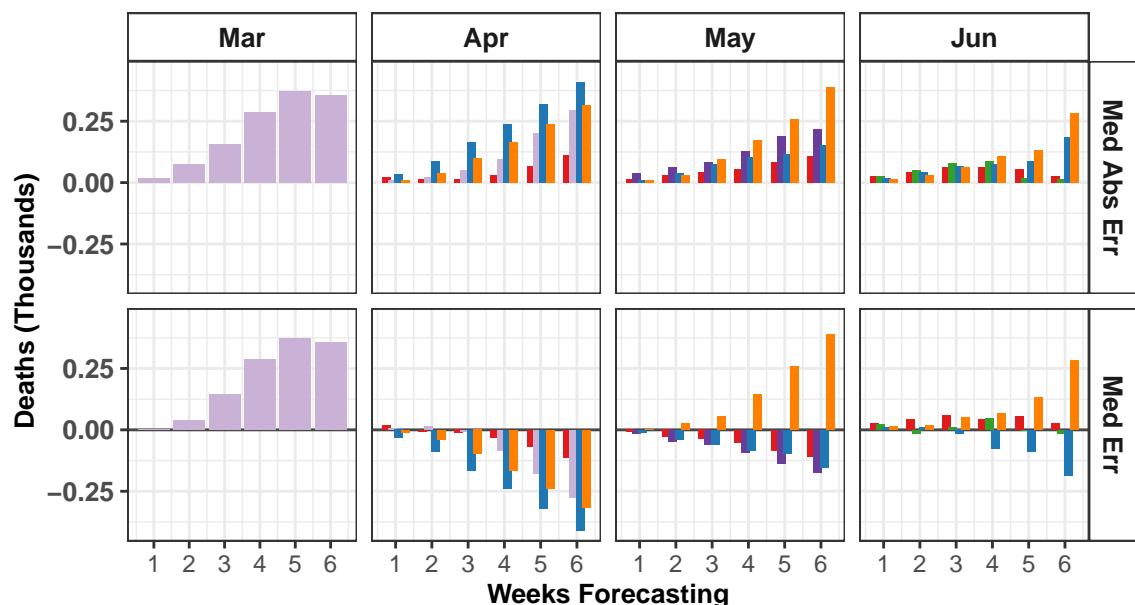


# Mississippi

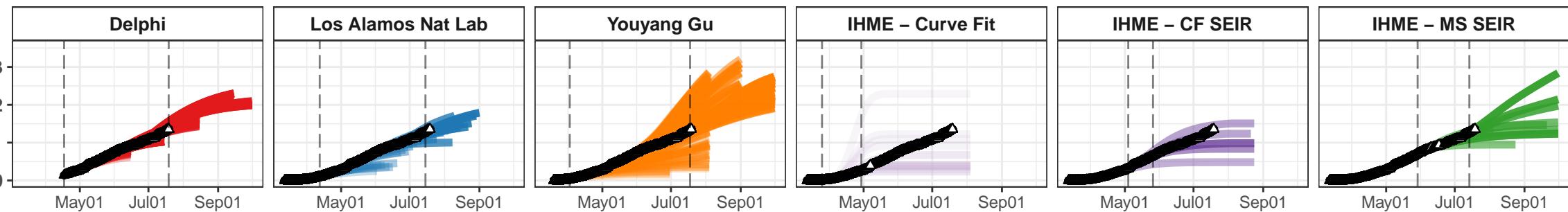
## Current Forecast



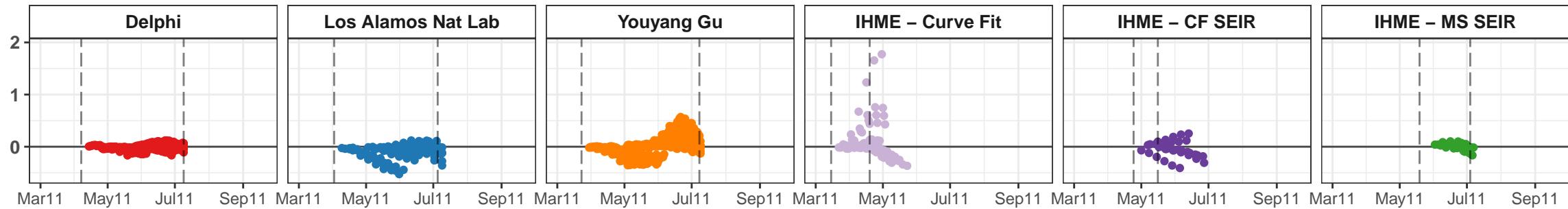
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

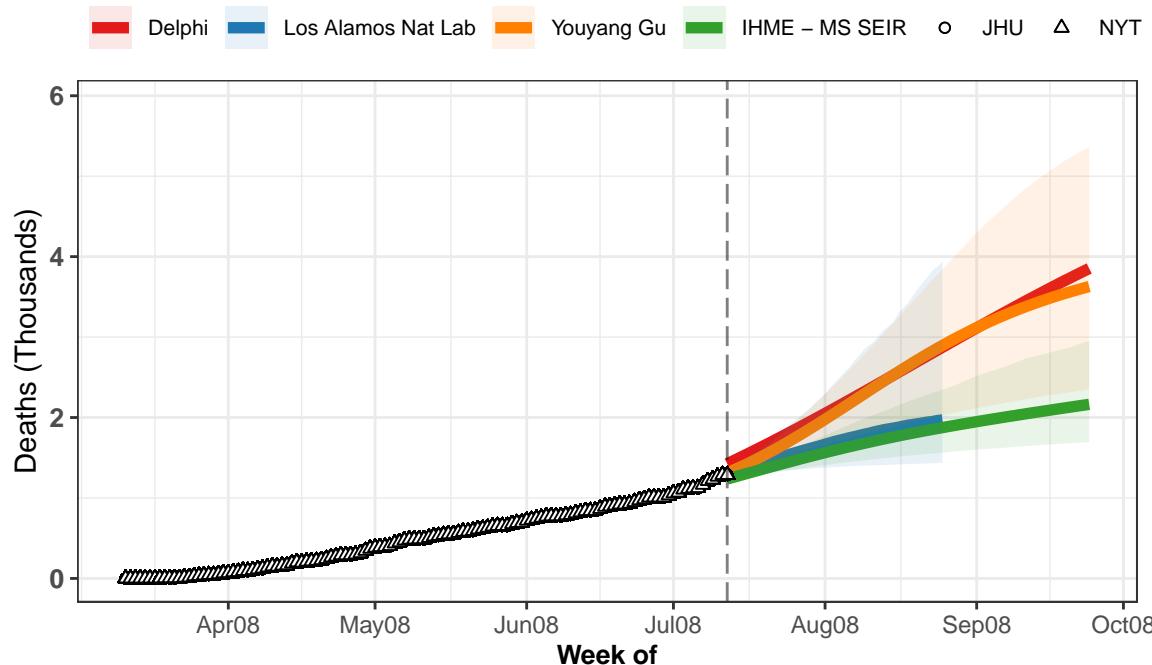


## All Cumulative Errors

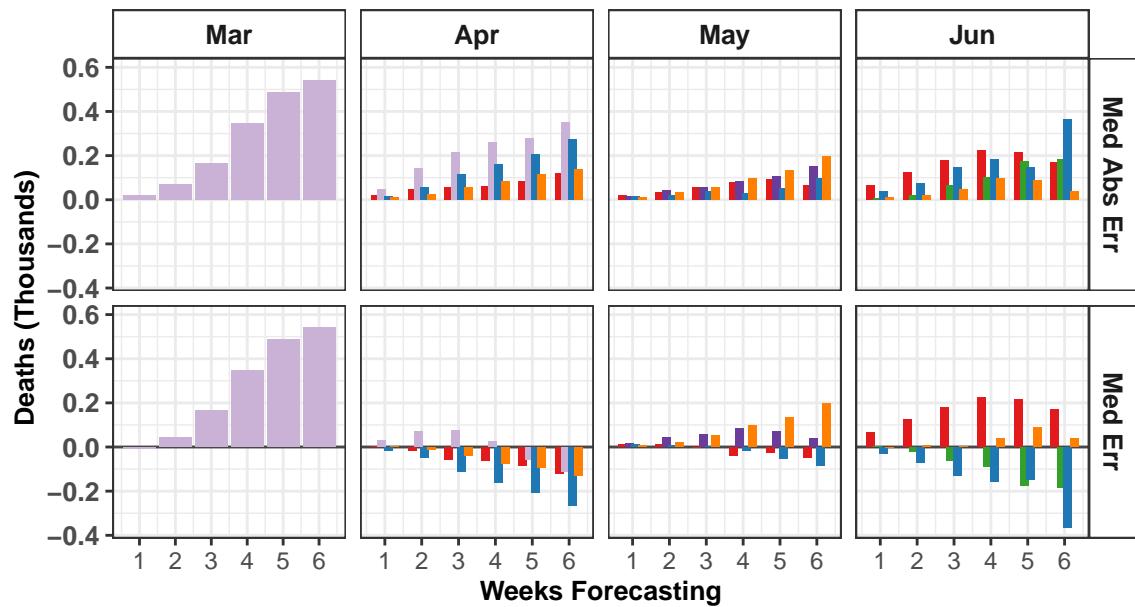


# Alabama

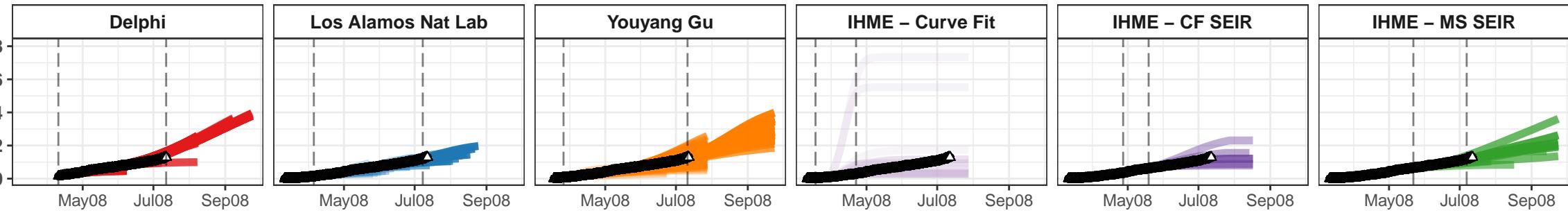
## Current Forecast



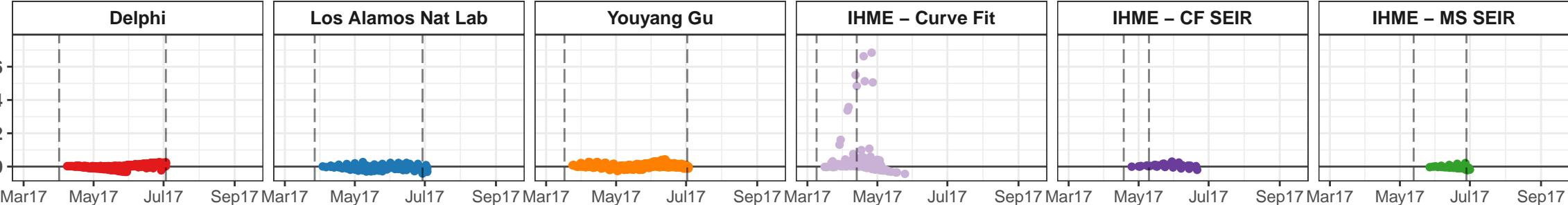
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

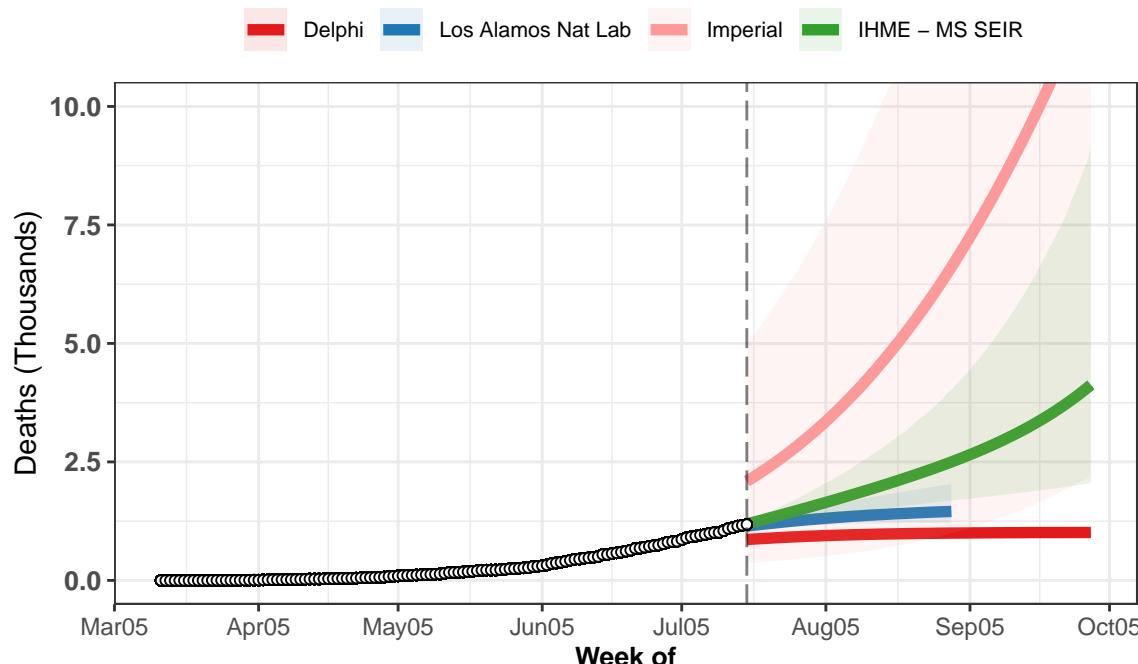


## All Cumulative Errors

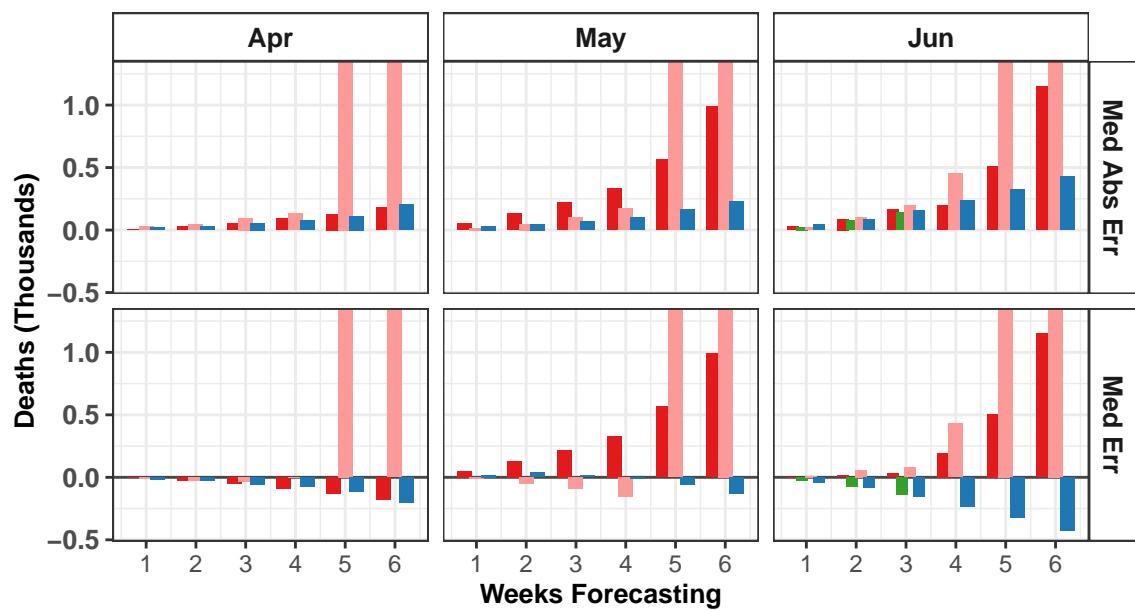


# Afghanistan

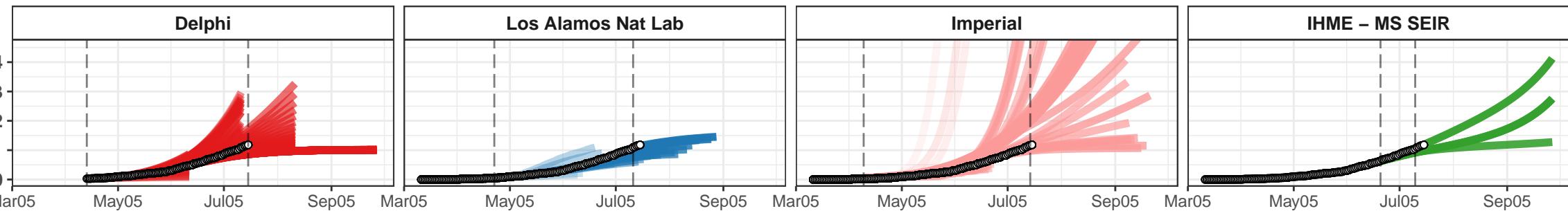
## Current Forecast



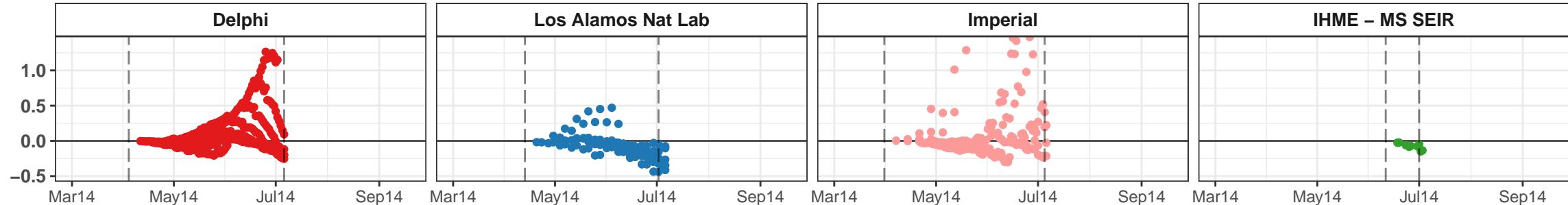
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

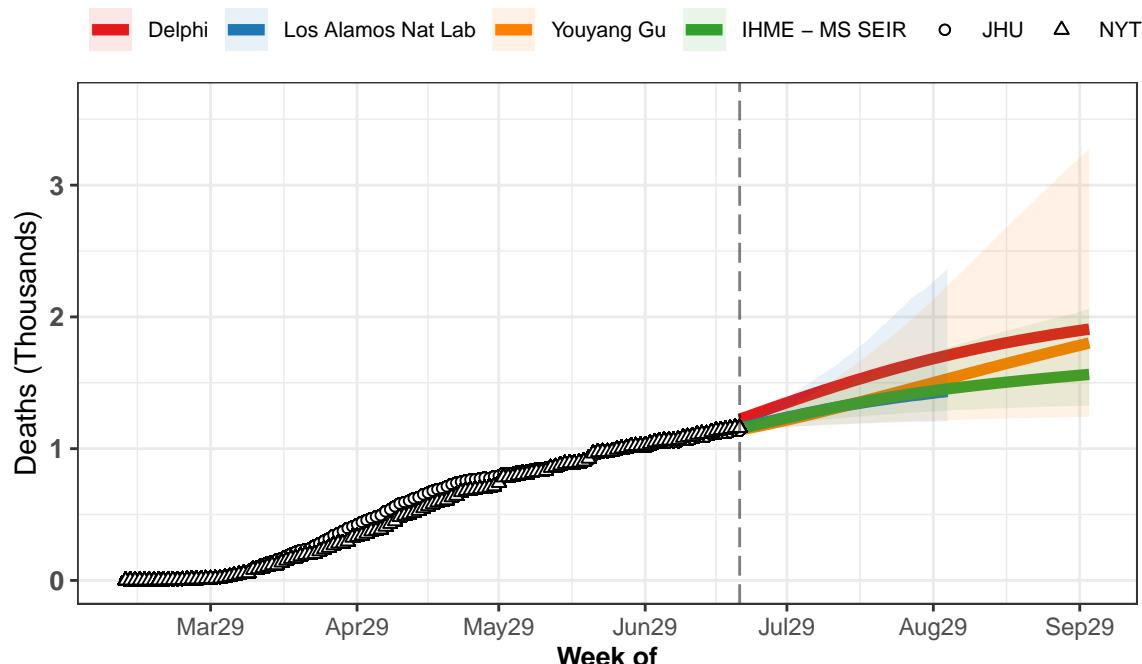


## All Cumulative Errors

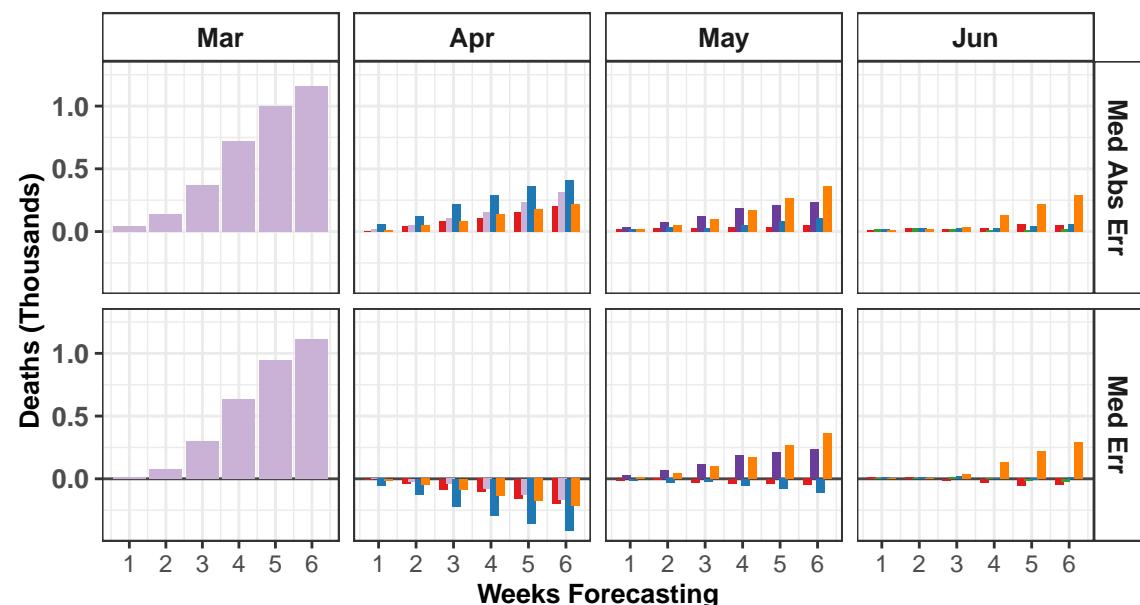


# Missouri

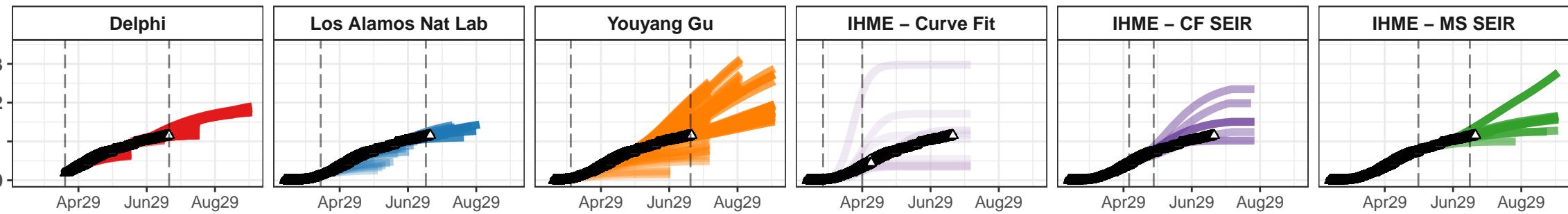
## Current Forecast



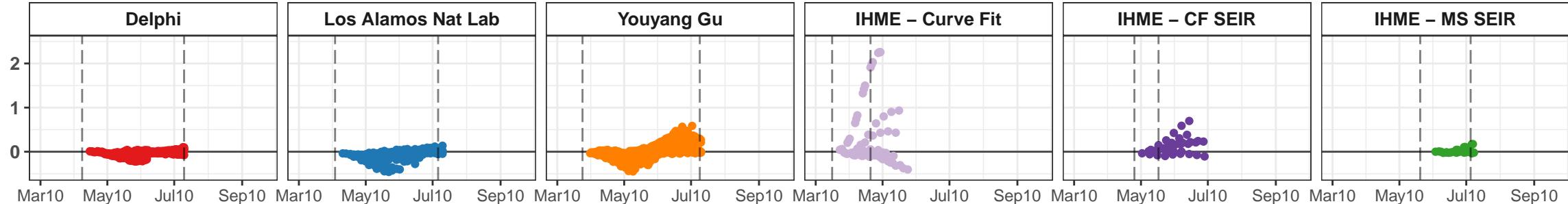
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

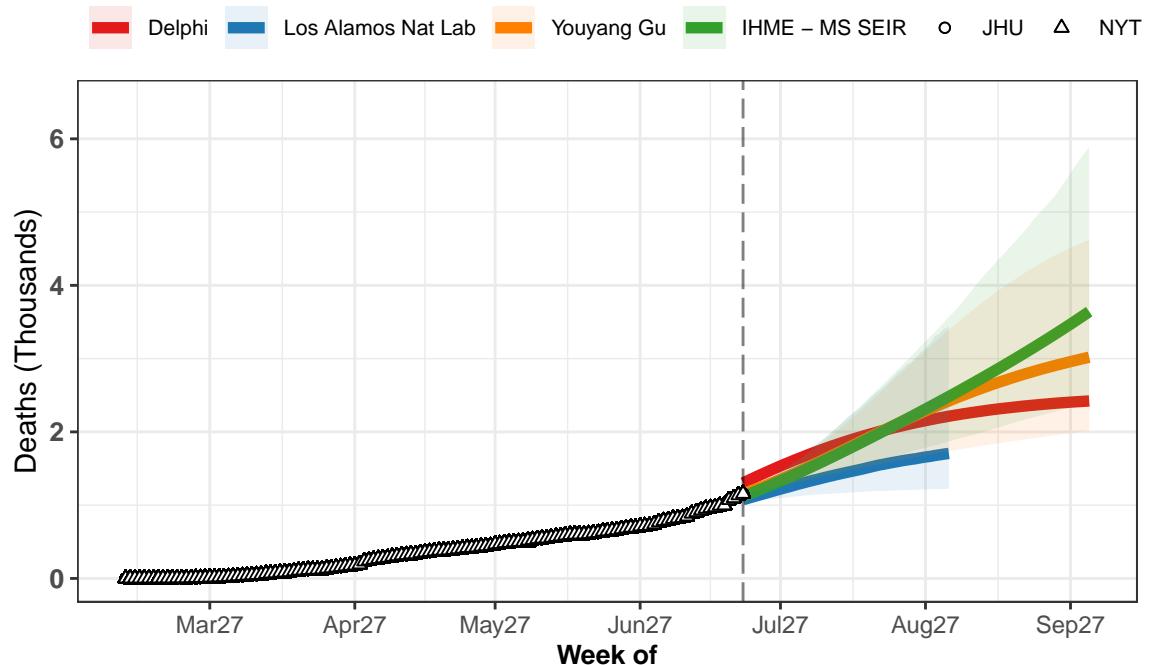


## All Cumulative Errors

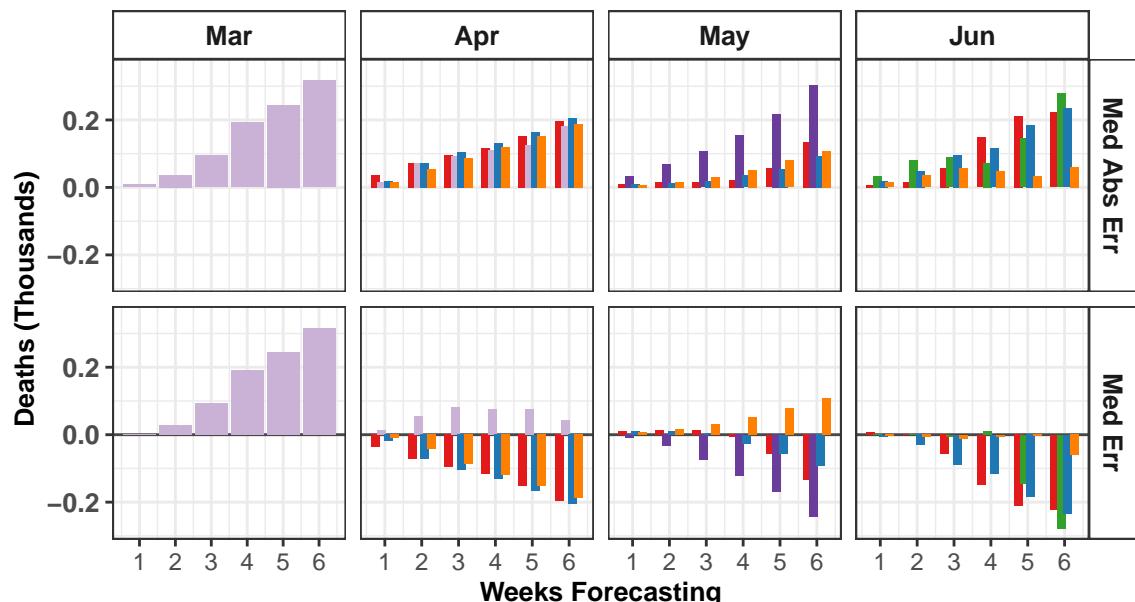


# South Carolina

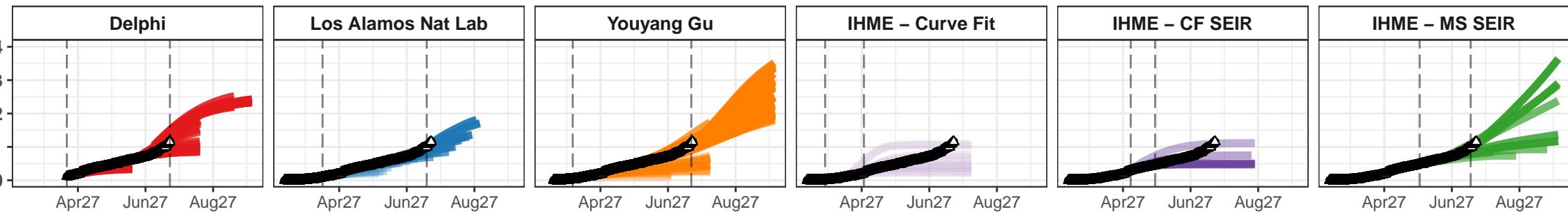
## Current Forecast



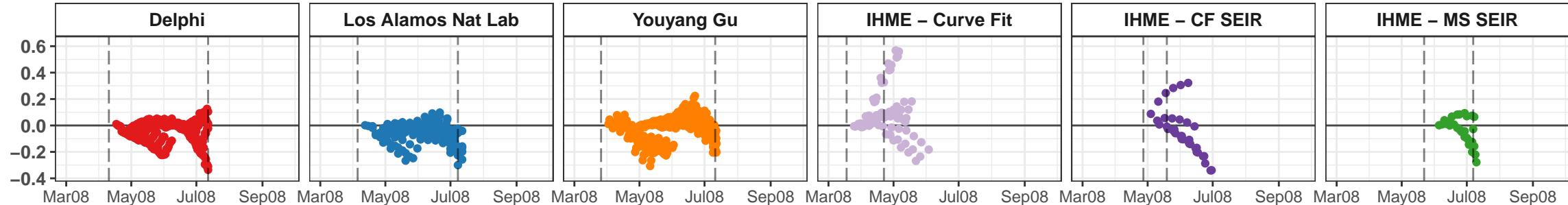
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



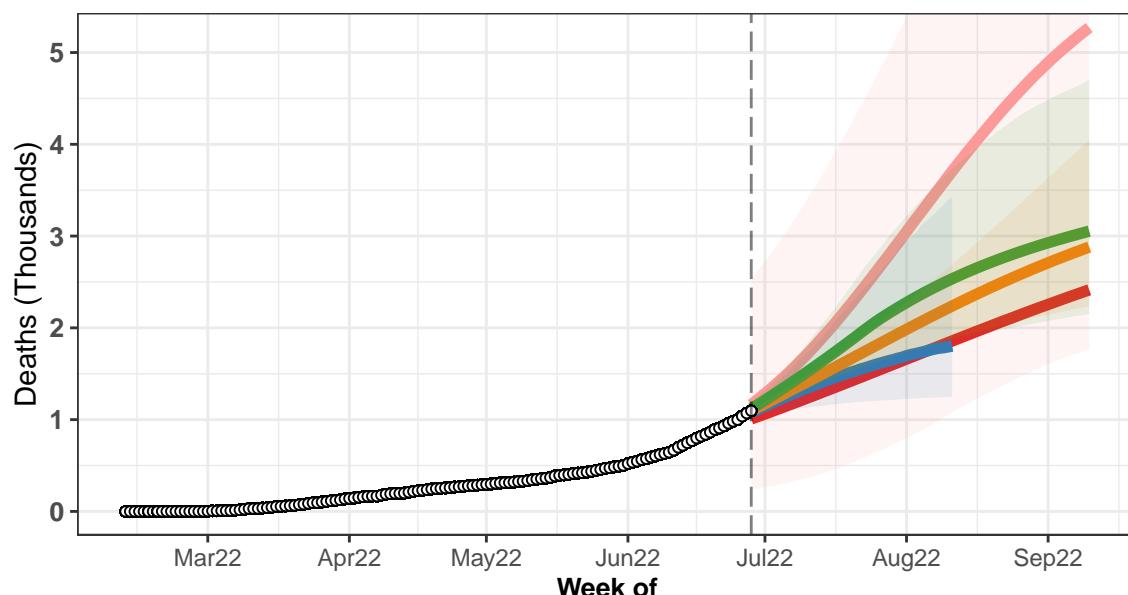
## All Cumulative Errors



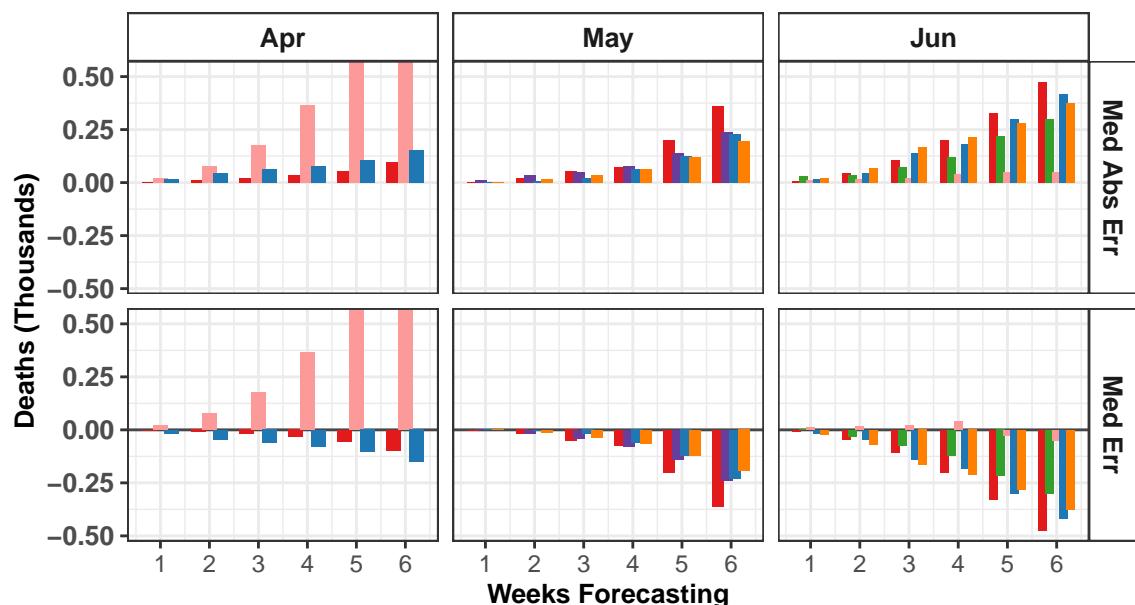
# Panama

## Current Forecast

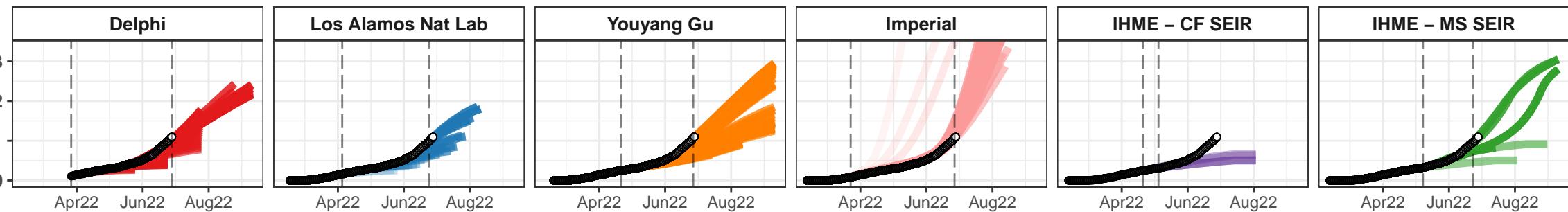
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



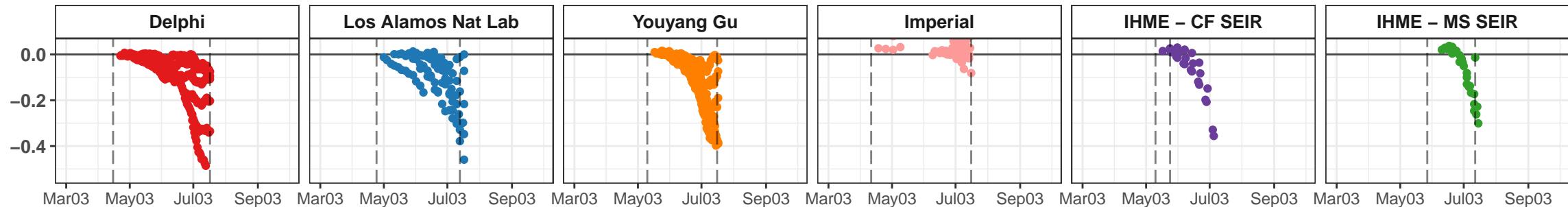
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



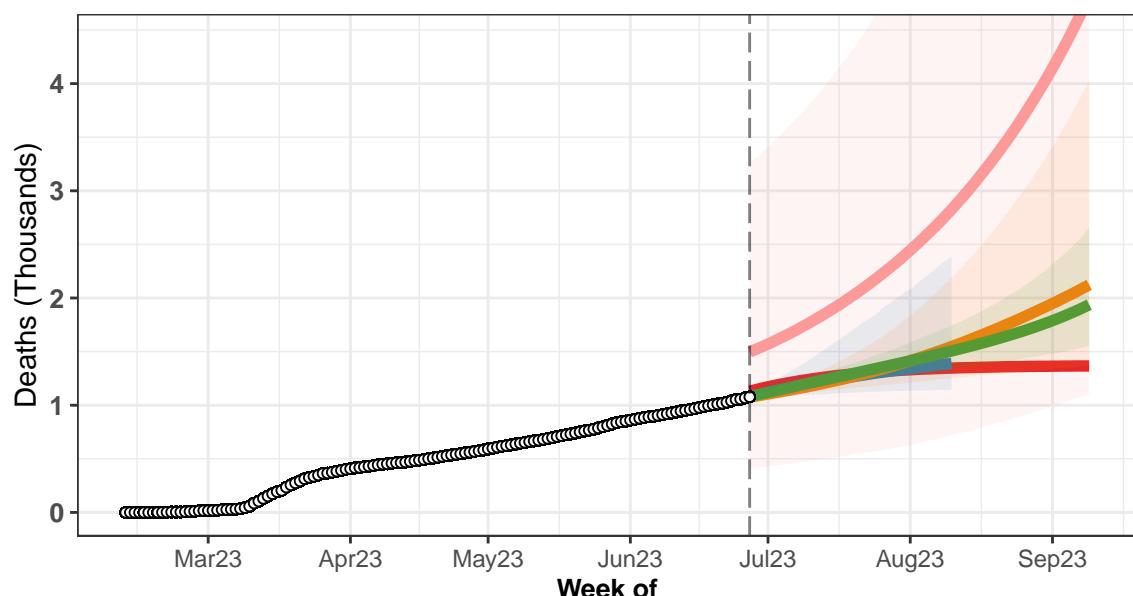
## All Cumulative Errors



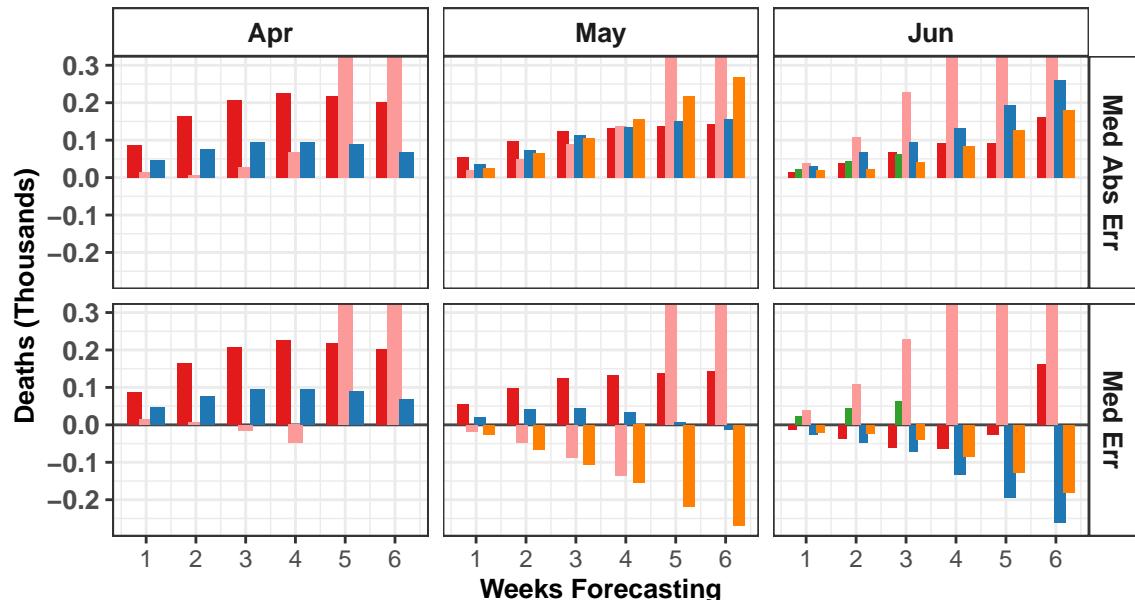
# Algeria

## Current Forecast

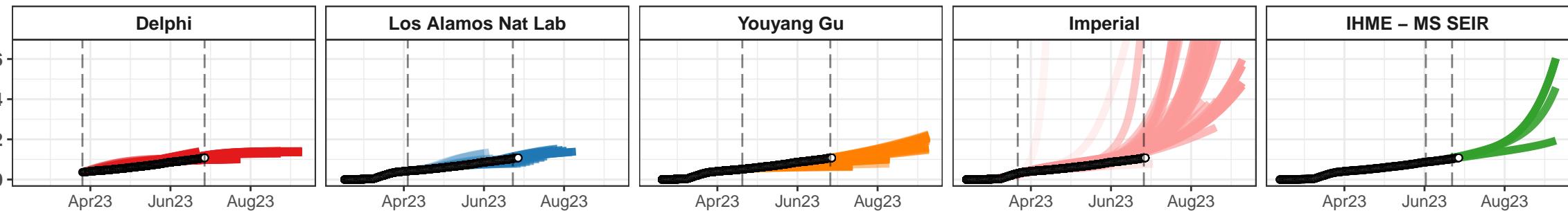
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



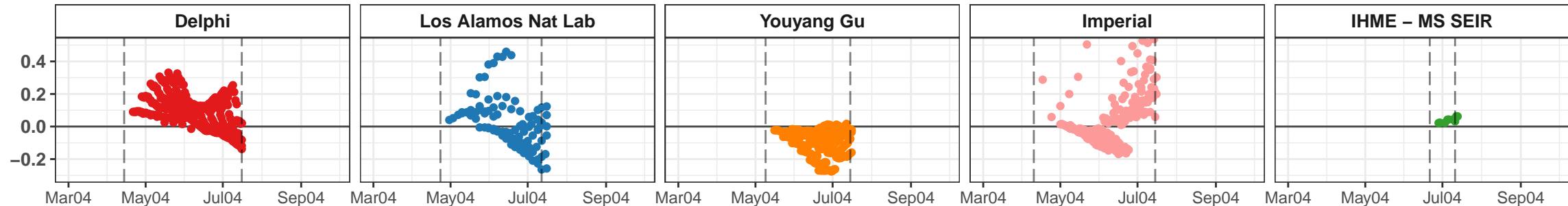
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

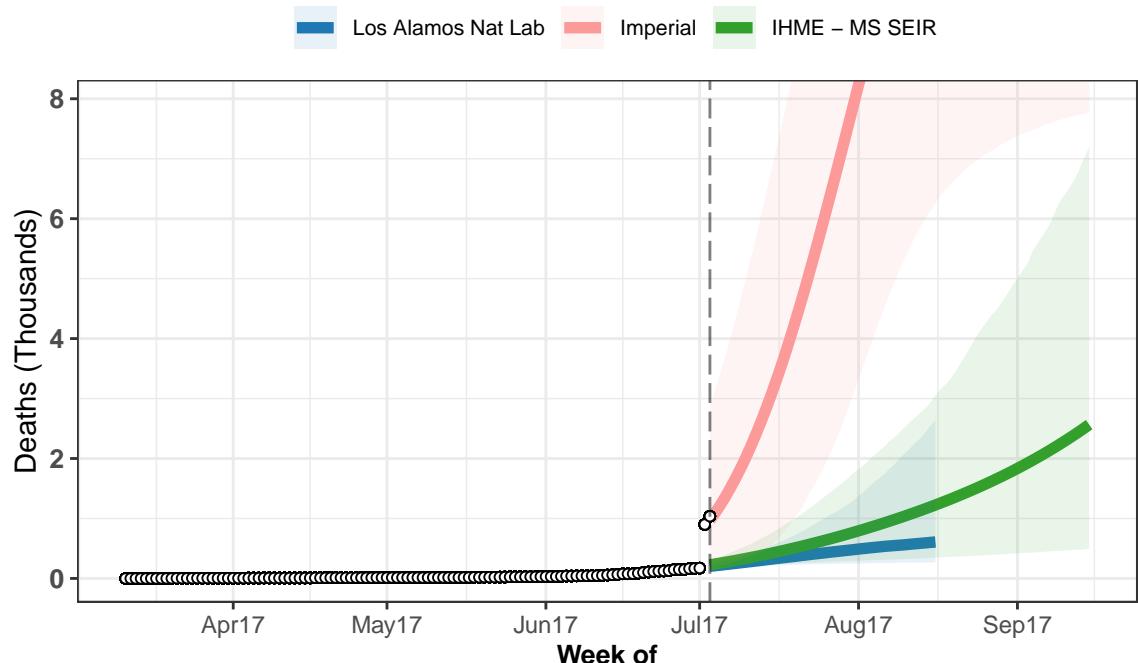


## All Cumulative Errors

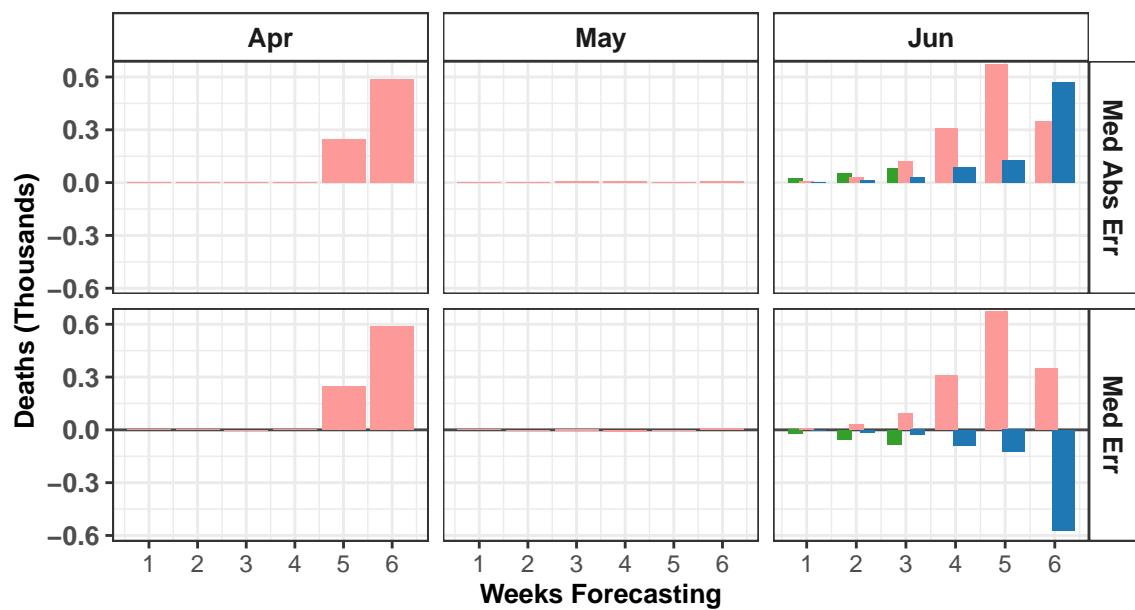


# Kyrgyzstan

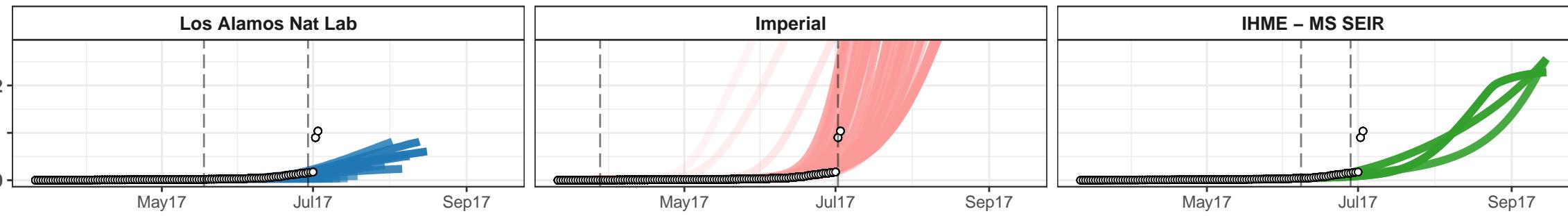
## Current Forecast



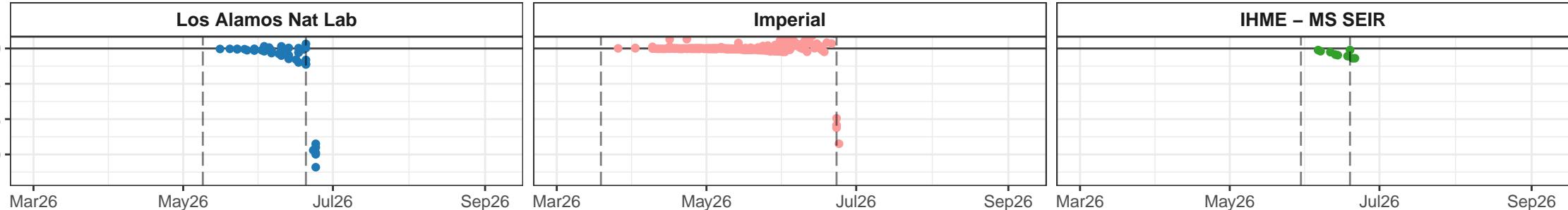
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



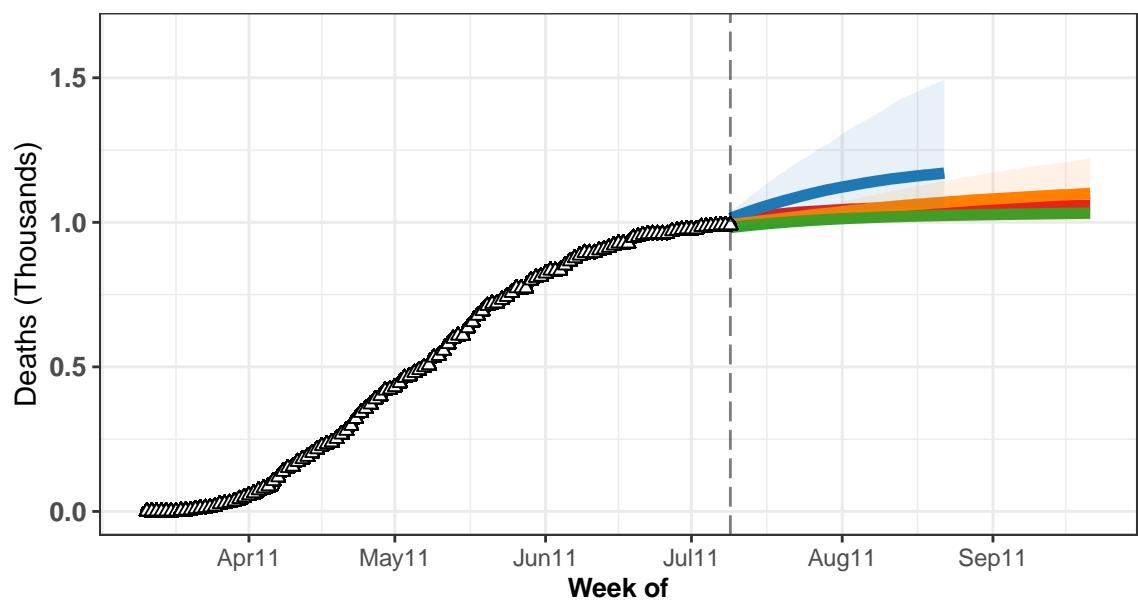
## All Cumulative Errors



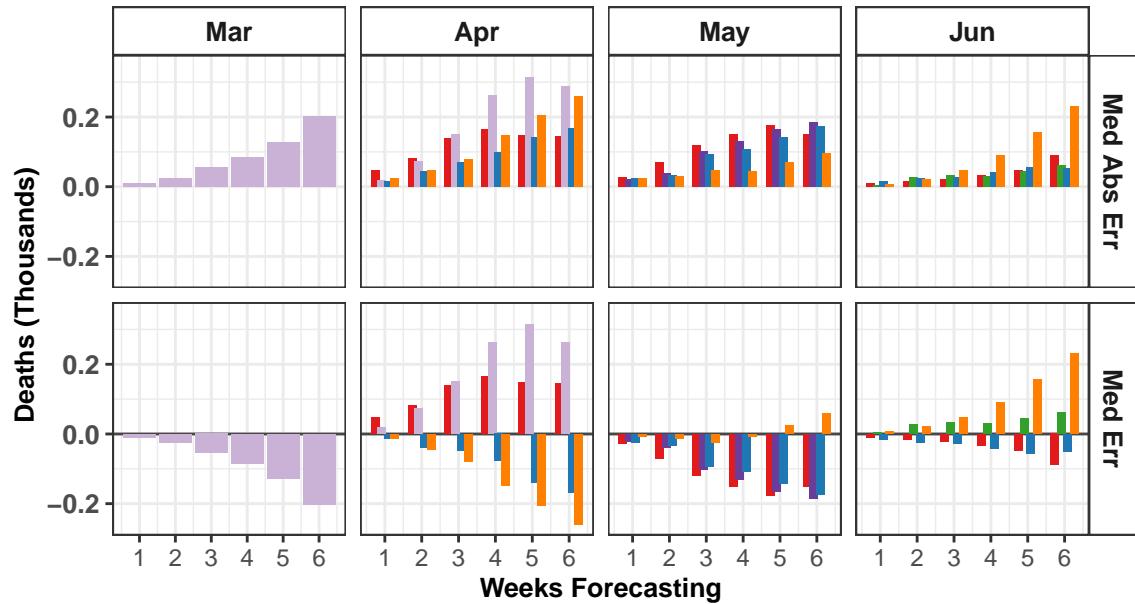
# Rhode Island

## Current Forecast

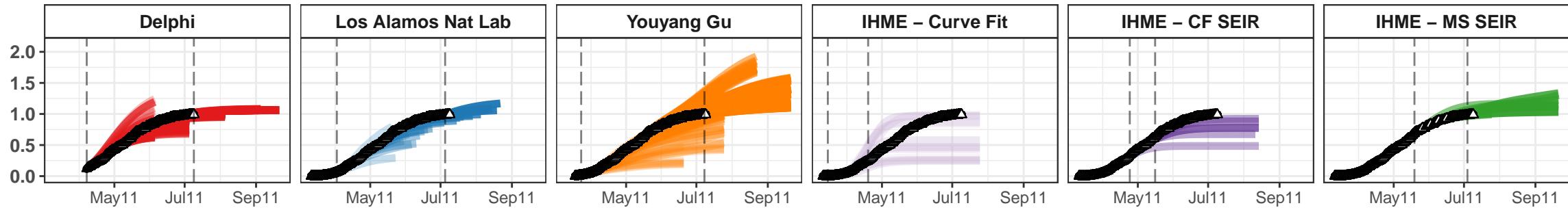
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



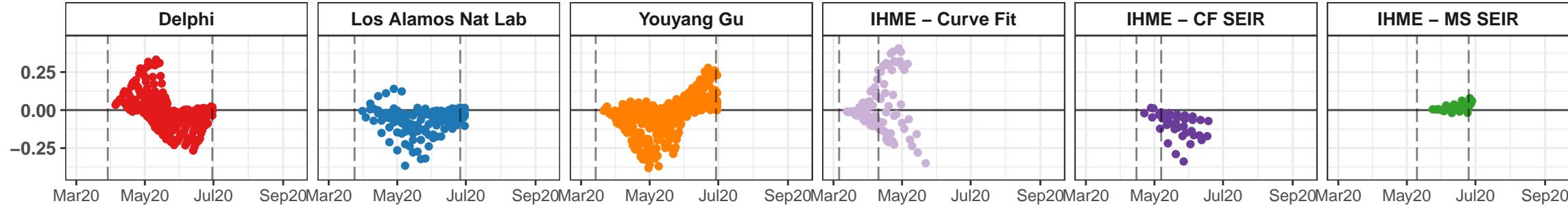
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

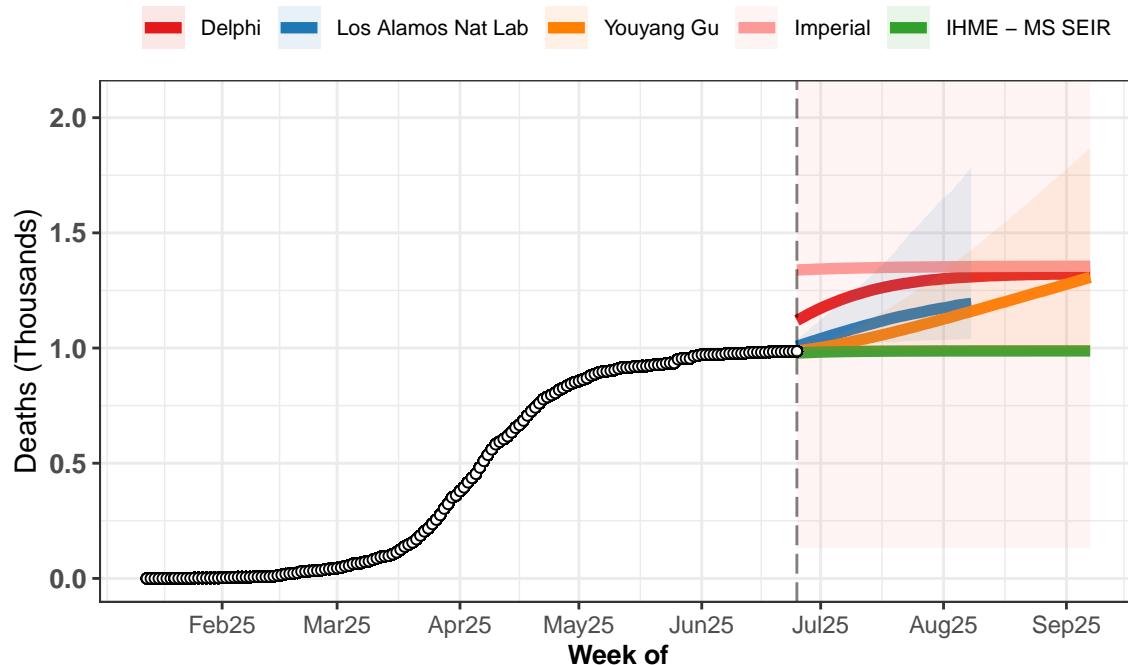


## All Cumulative Errors

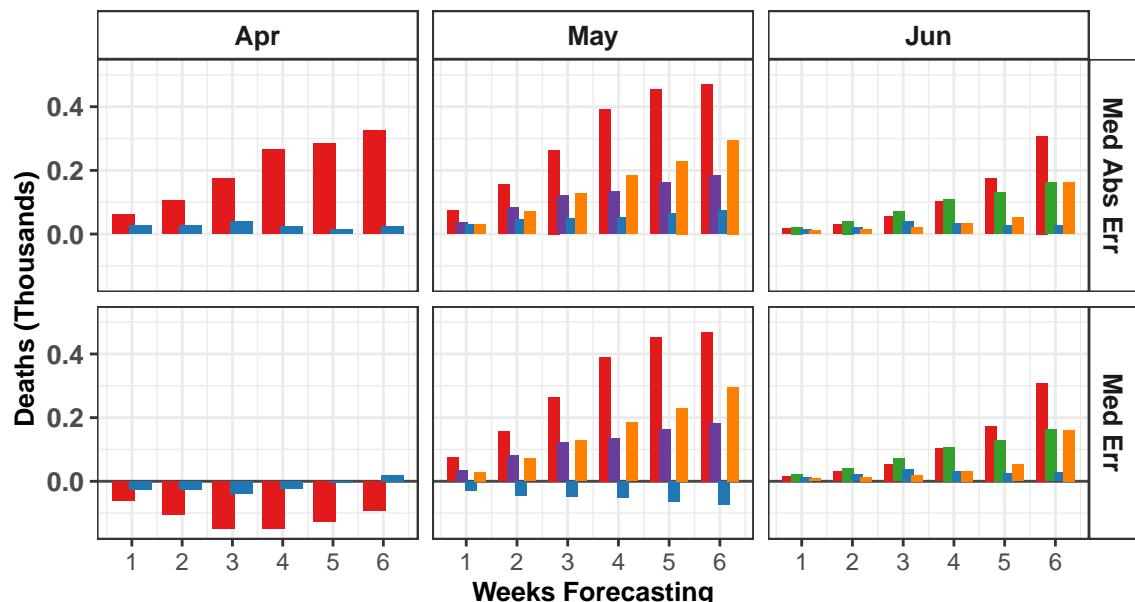


# Japan

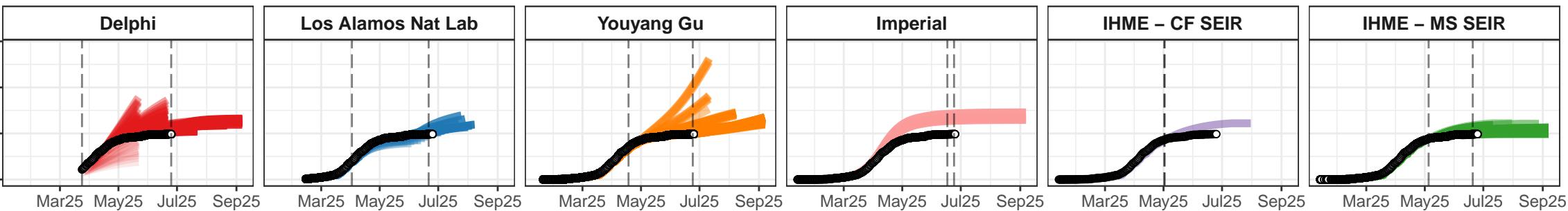
## Current Forecast



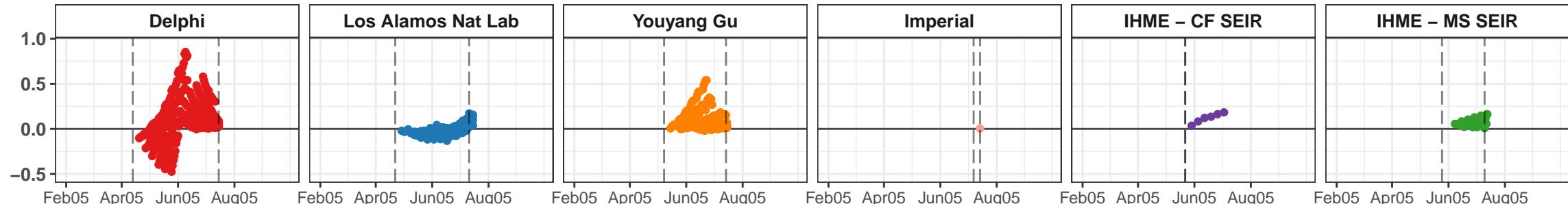
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

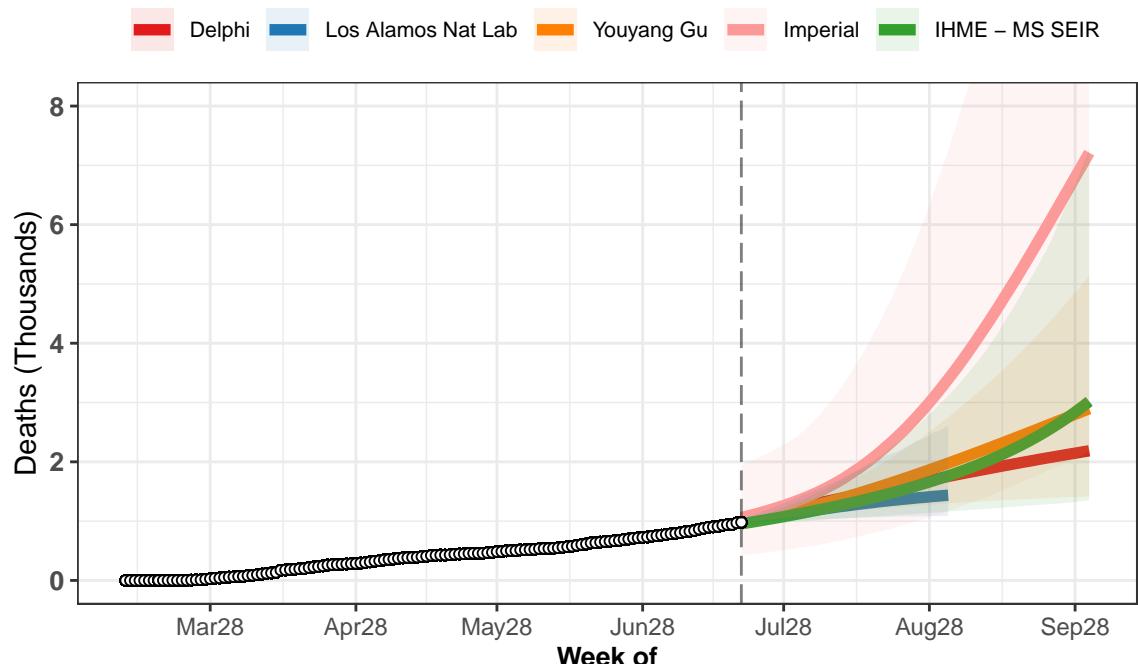


## All Cumulative Errors

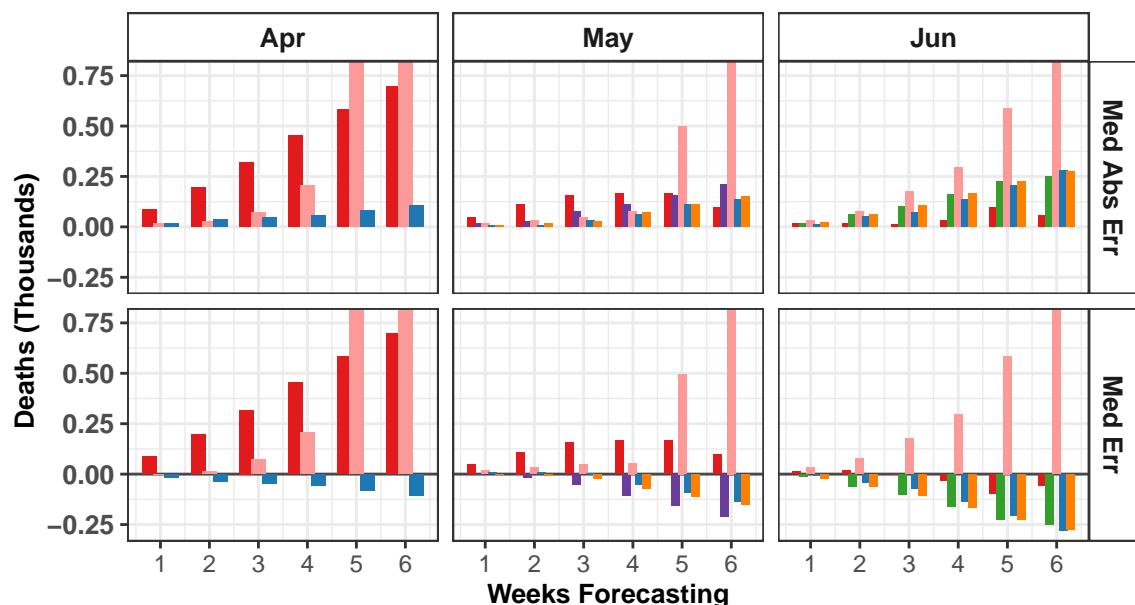


# Dominican Republic

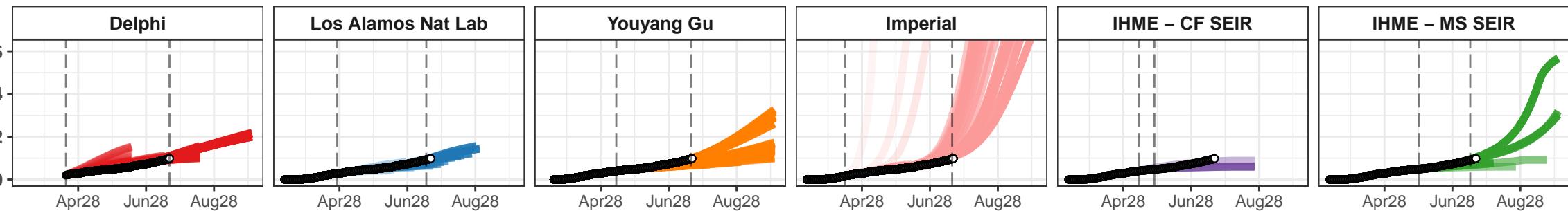
## Current Forecast



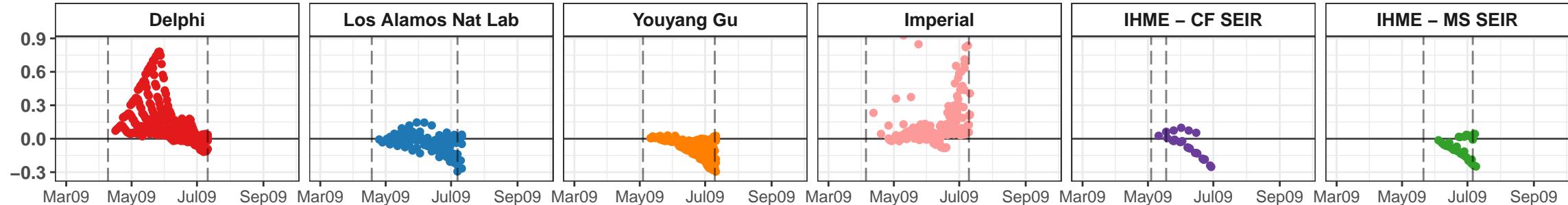
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

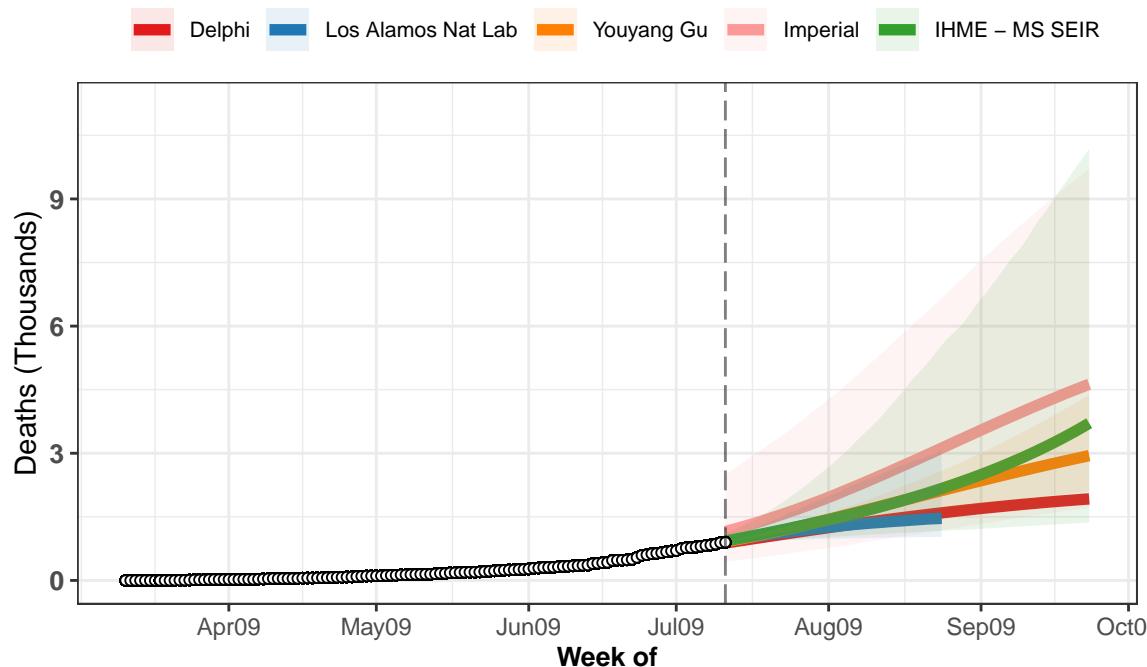


## All Cumulative Errors

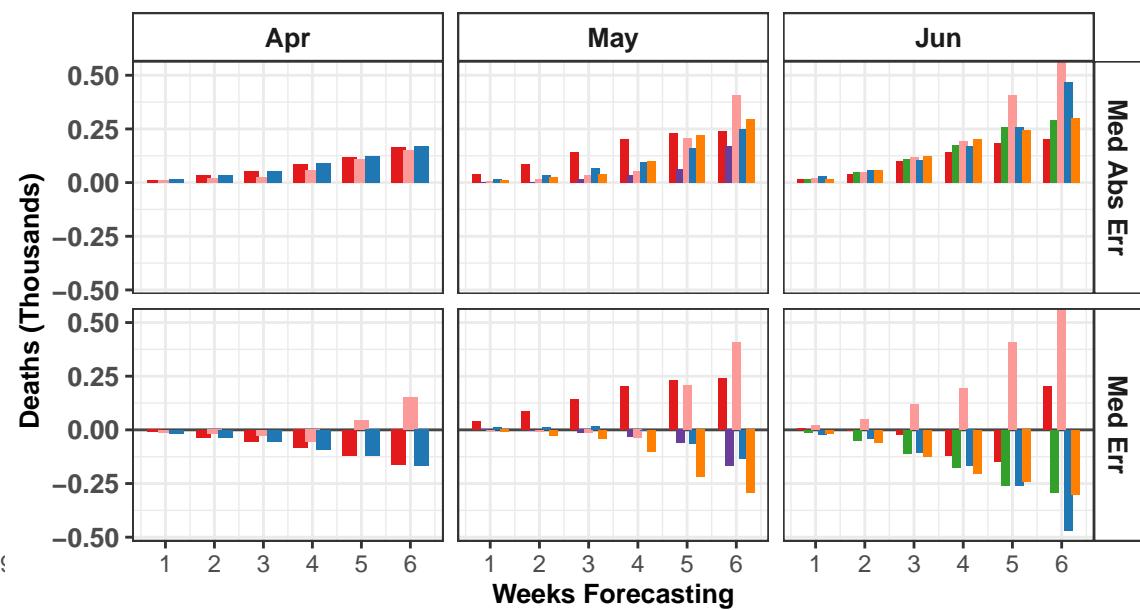


# Honduras

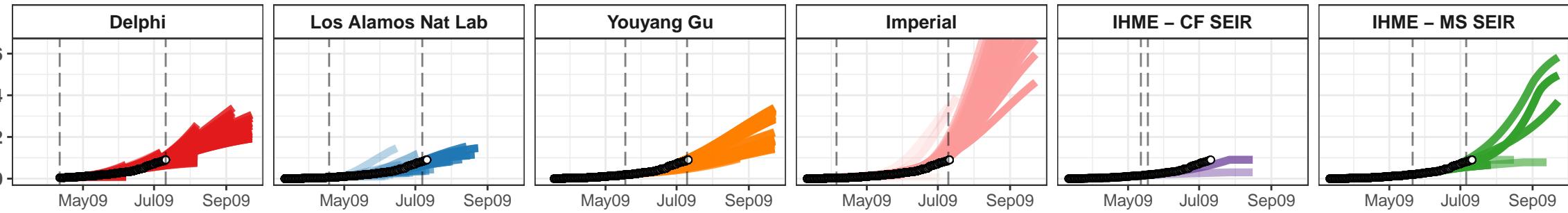
## Current Forecast



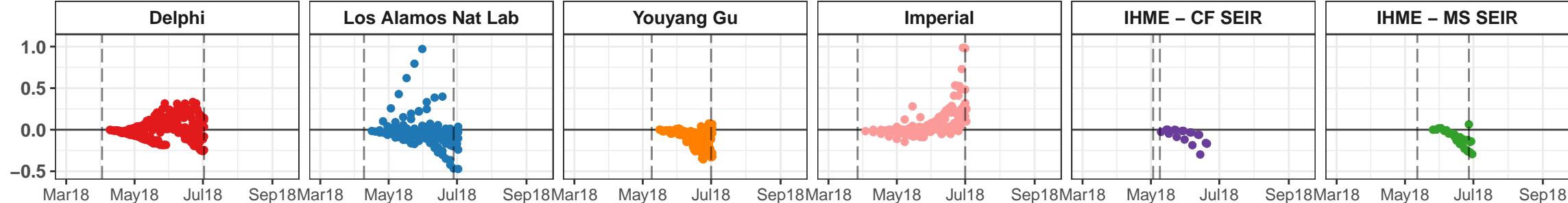
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

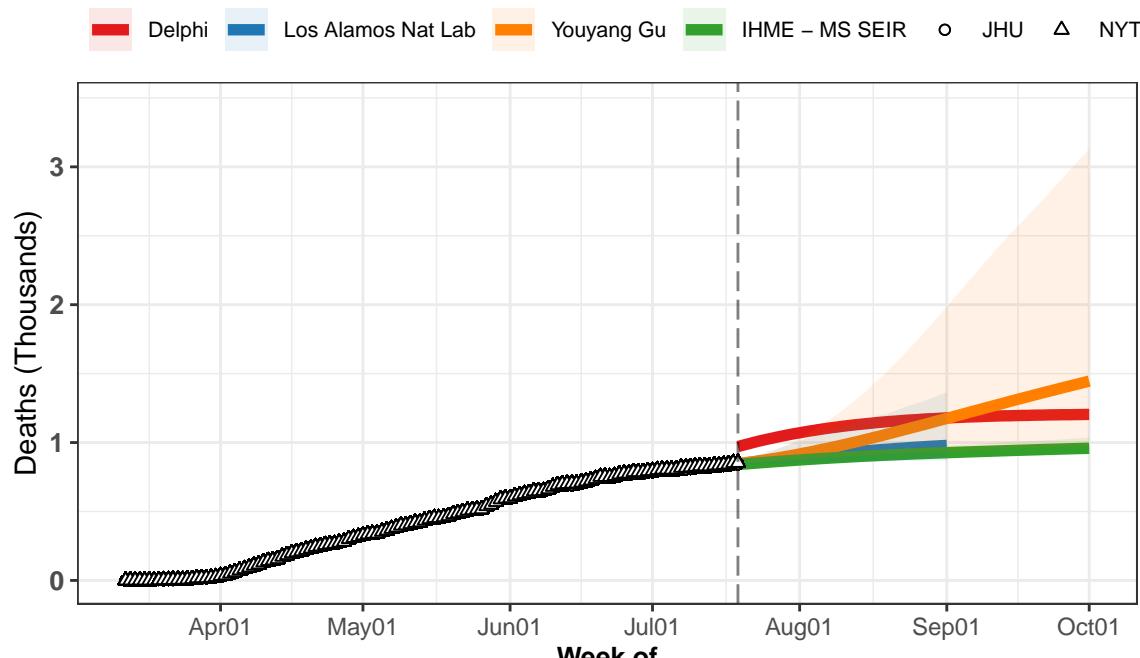


## All Cumulative Errors

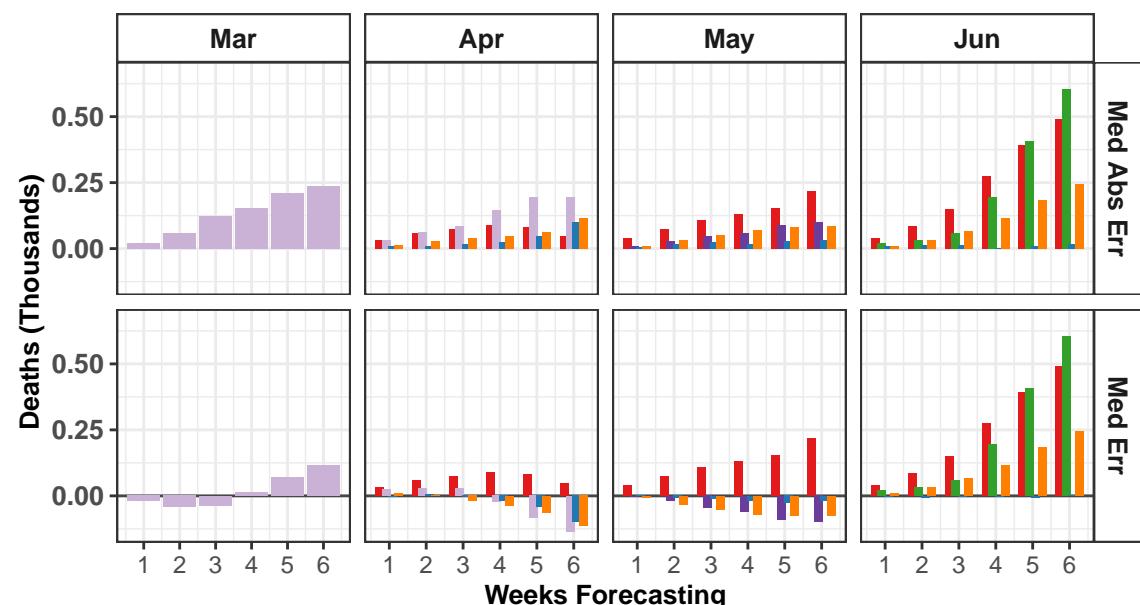


# Wisconsin

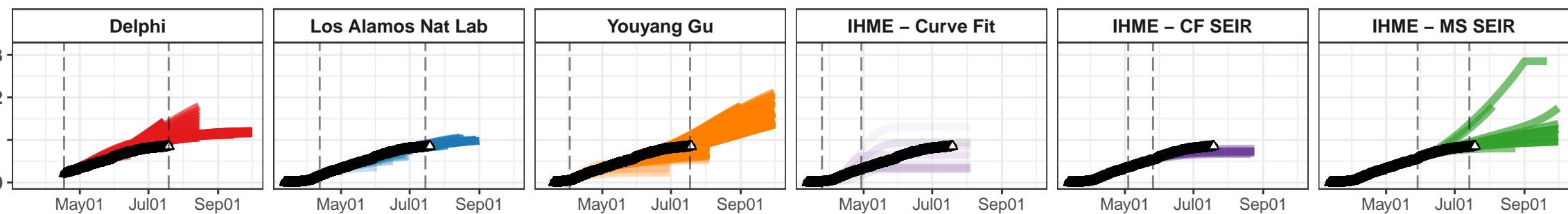
## Current Forecast



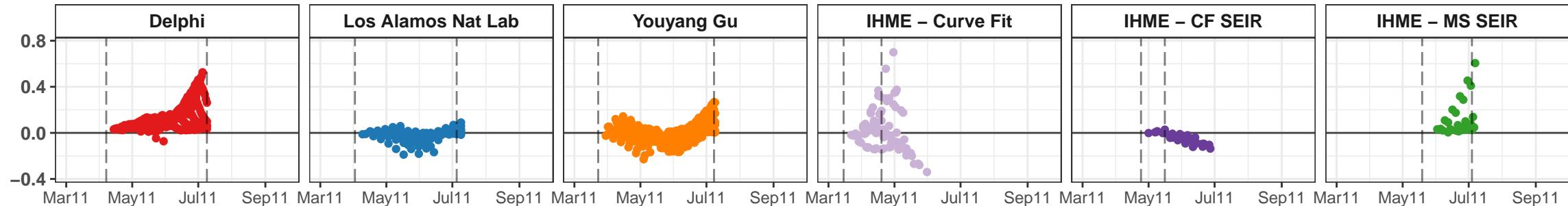
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



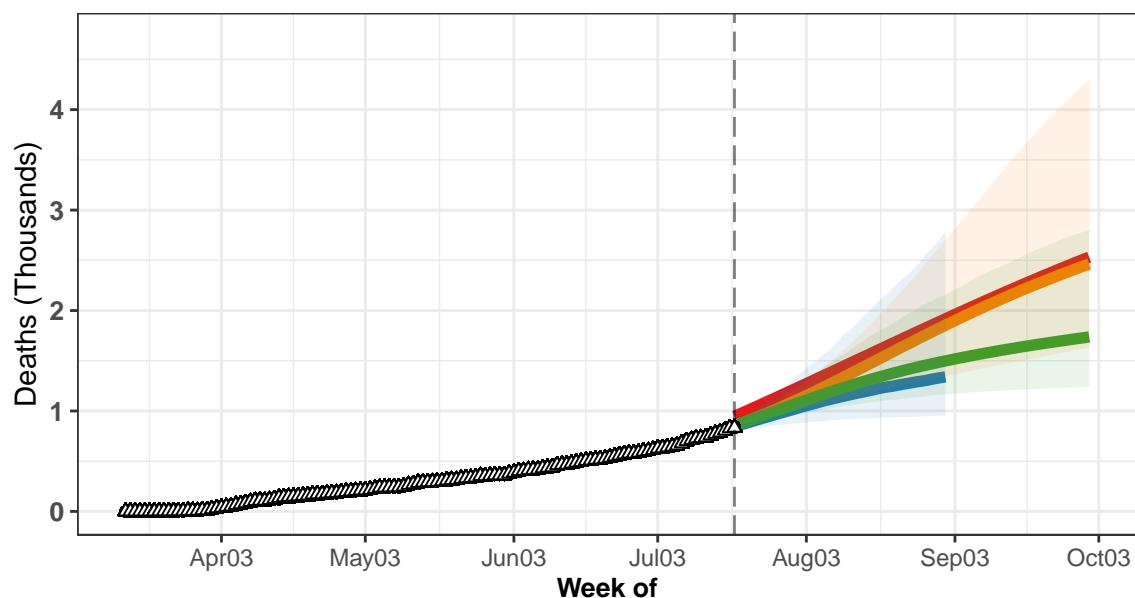
## All Cumulative Errors



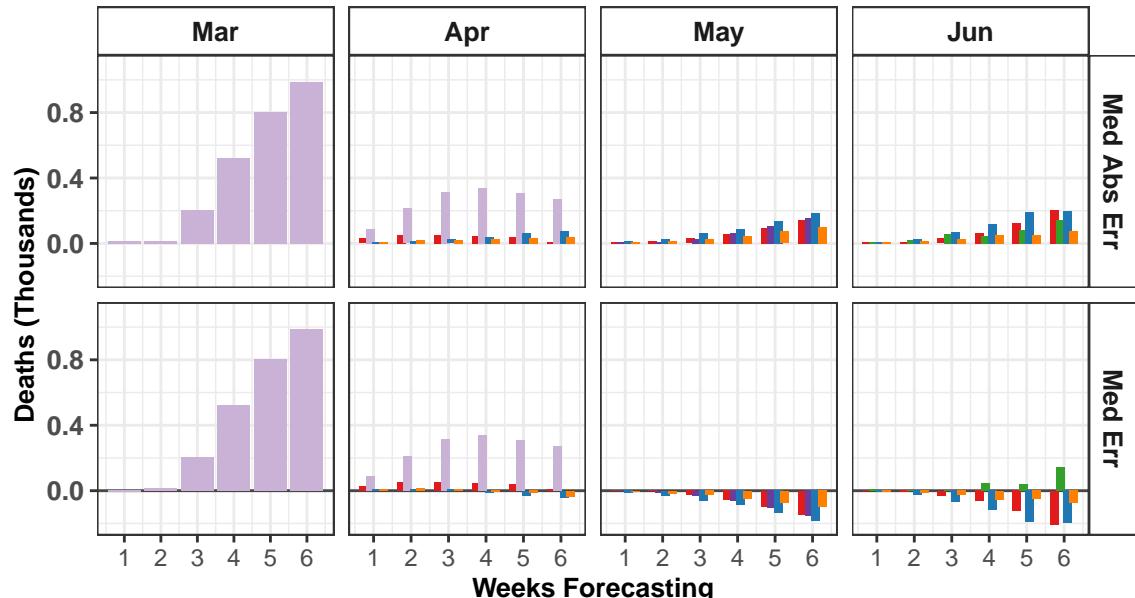
# Tennessee

## Current Forecast

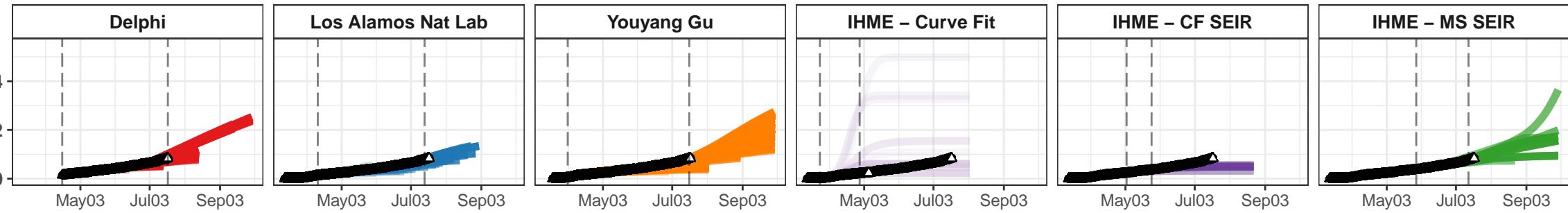
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



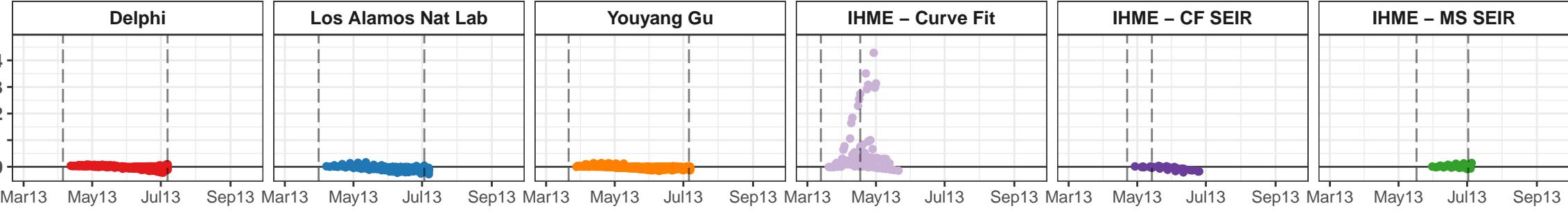
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



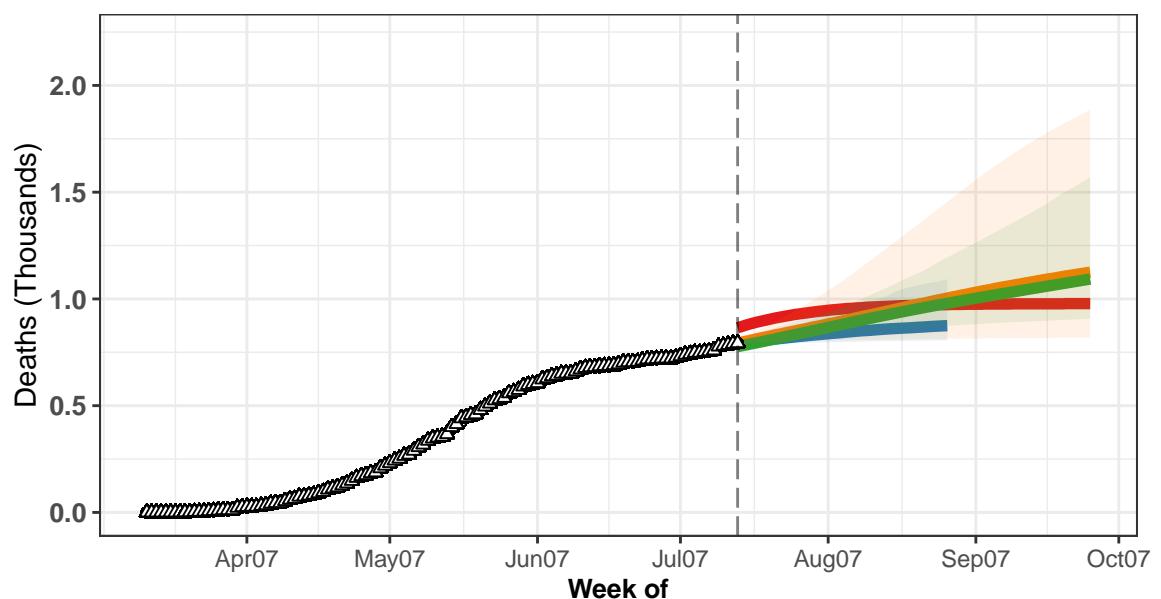
## All Cumulative Errors



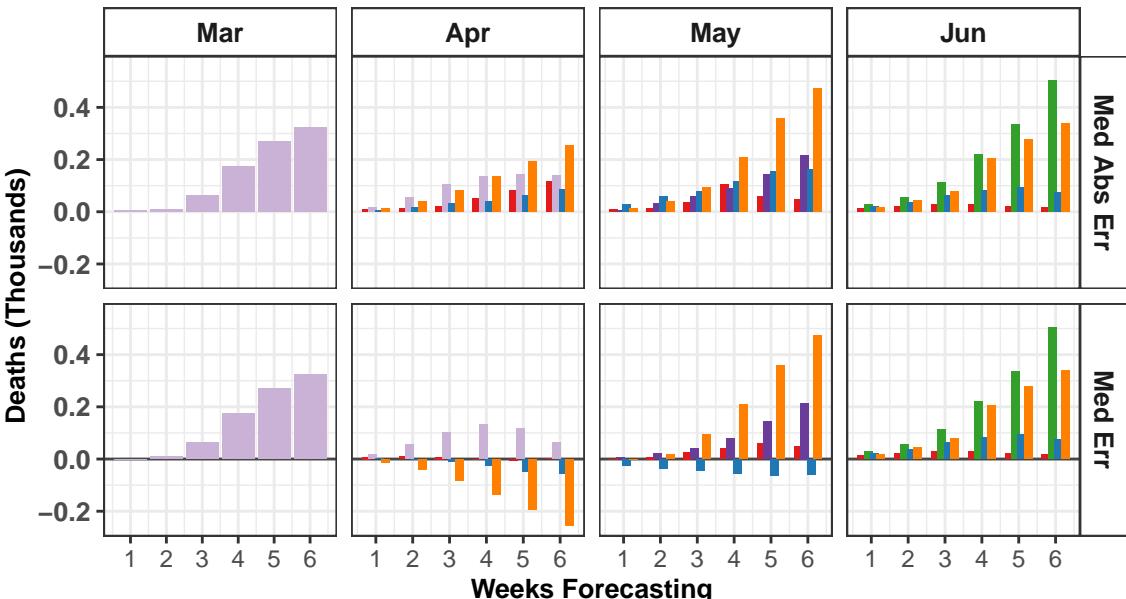
# Iowa

## Current Forecast

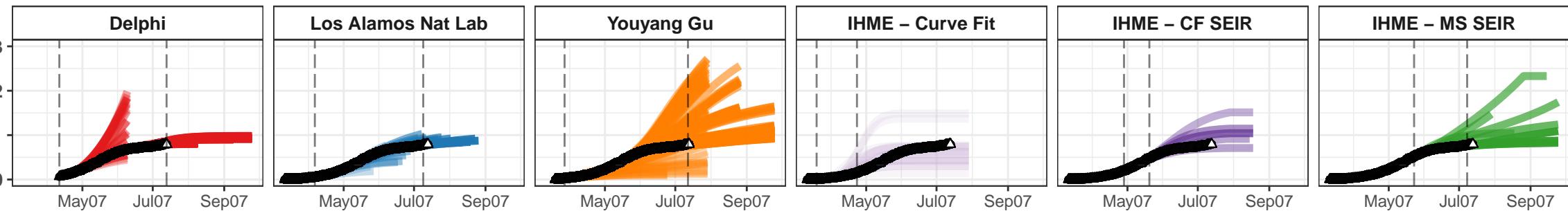
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



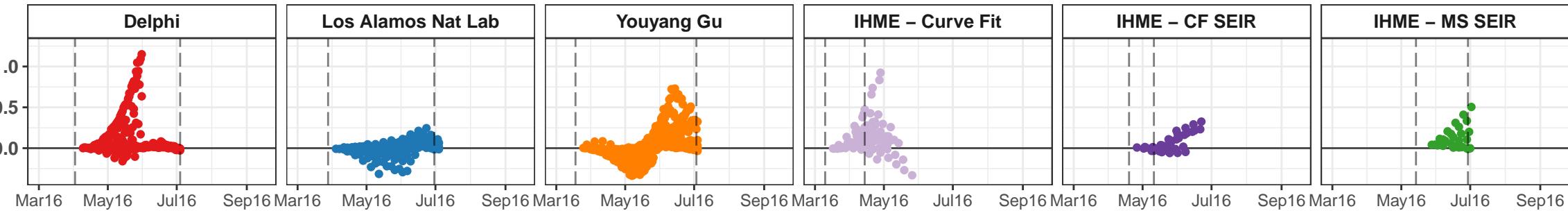
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



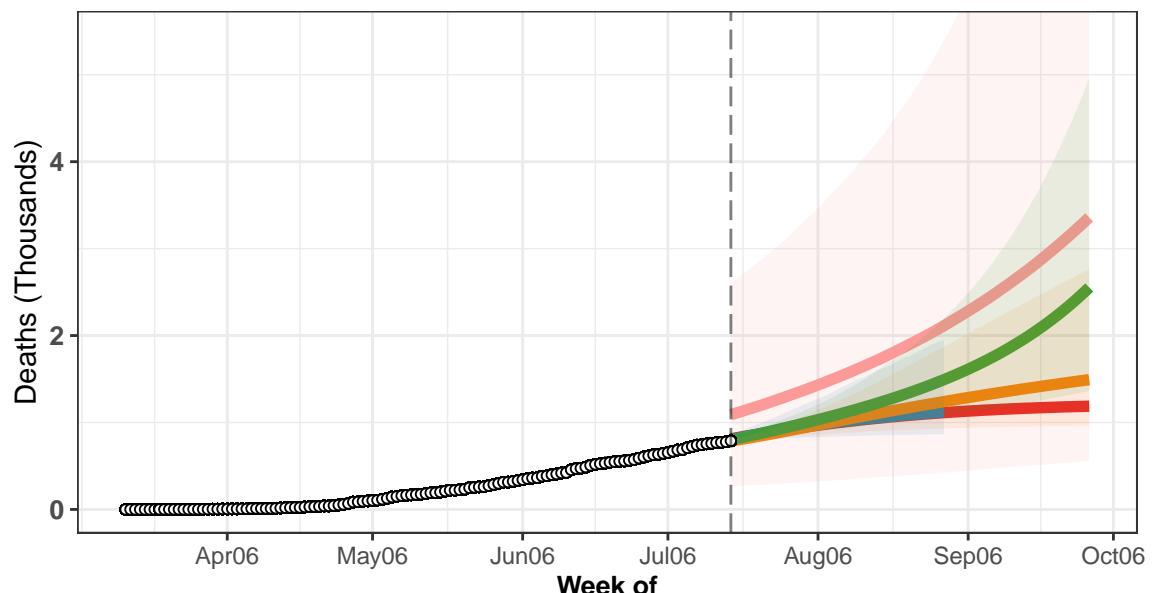
## All Cumulative Errors



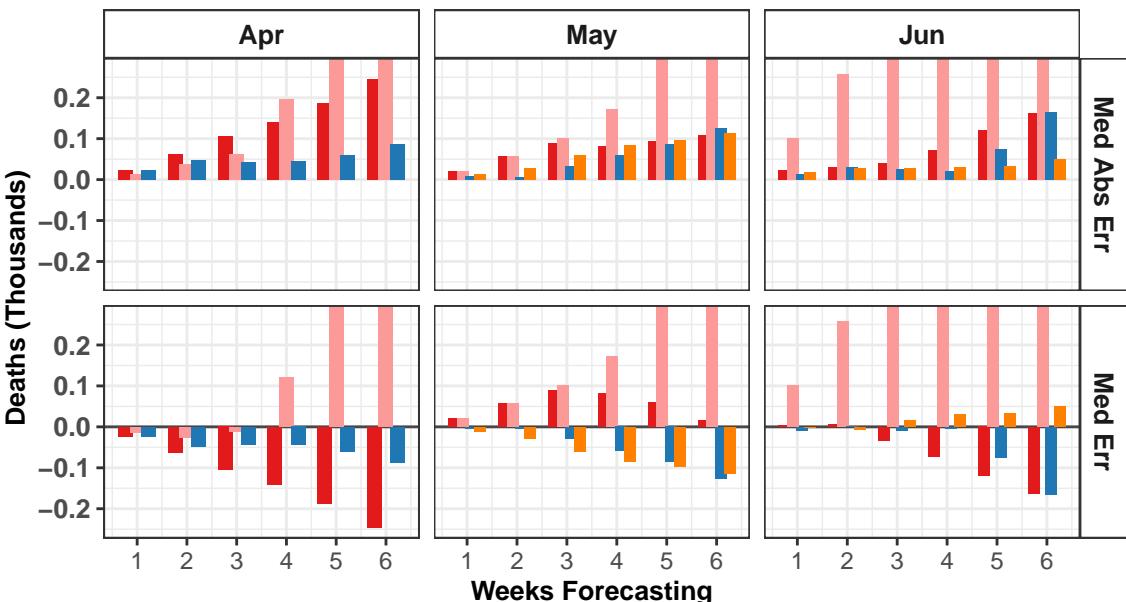
# Nigeria

## Current Forecast

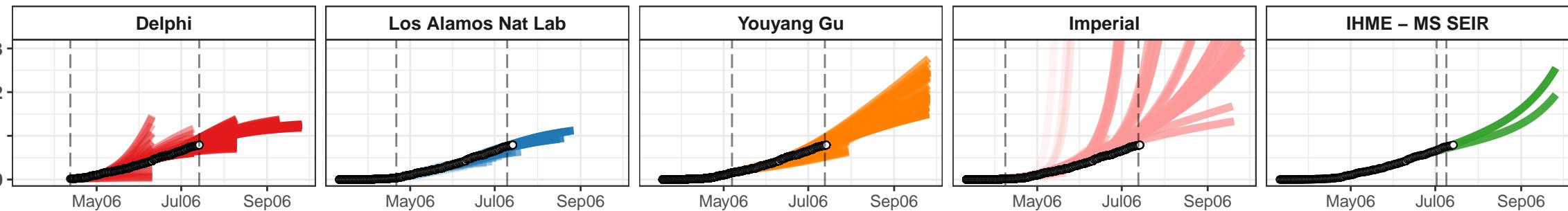
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



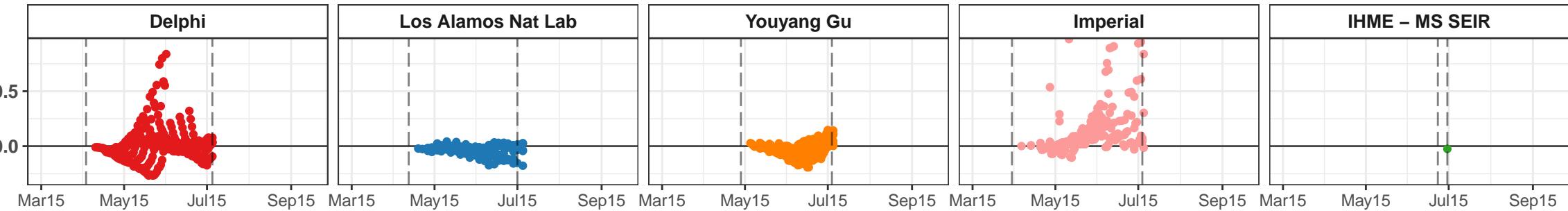
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



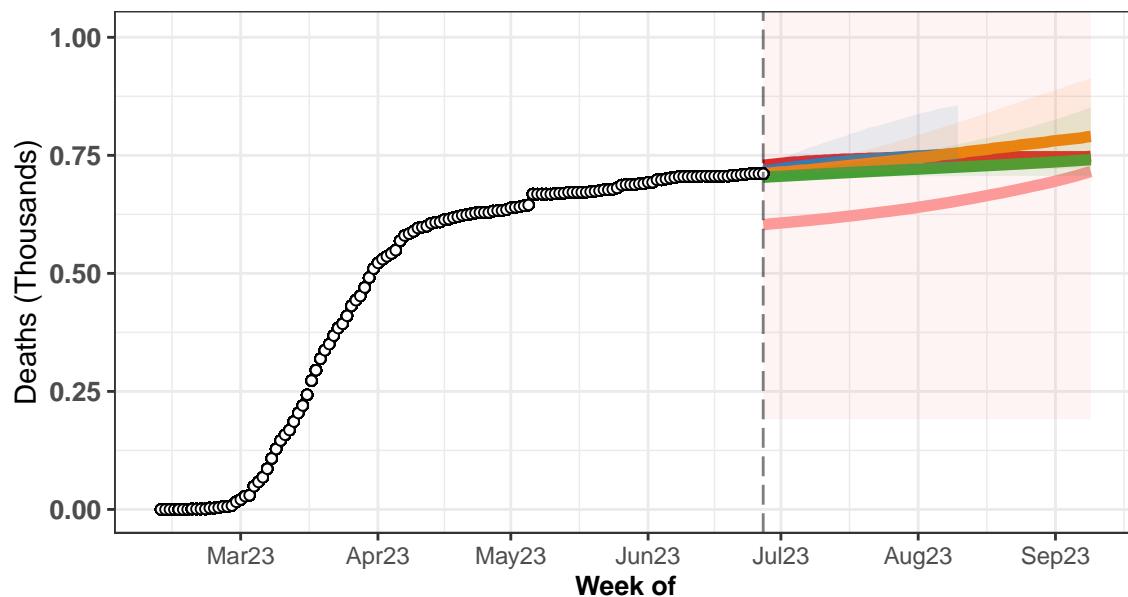
## All Cumulative Errors



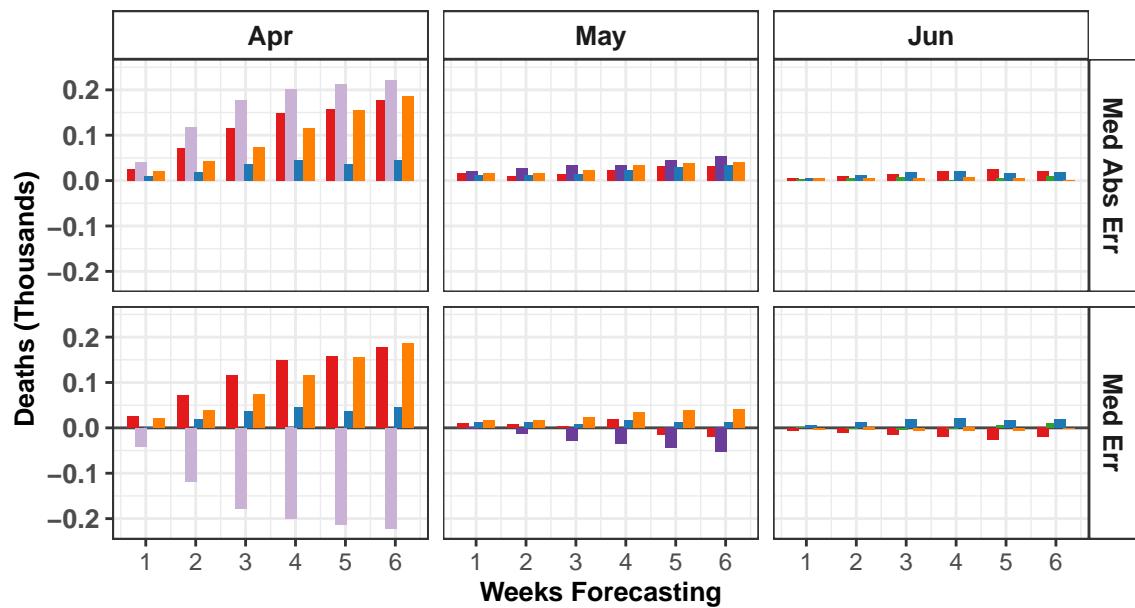
# Austria

## Current Forecast

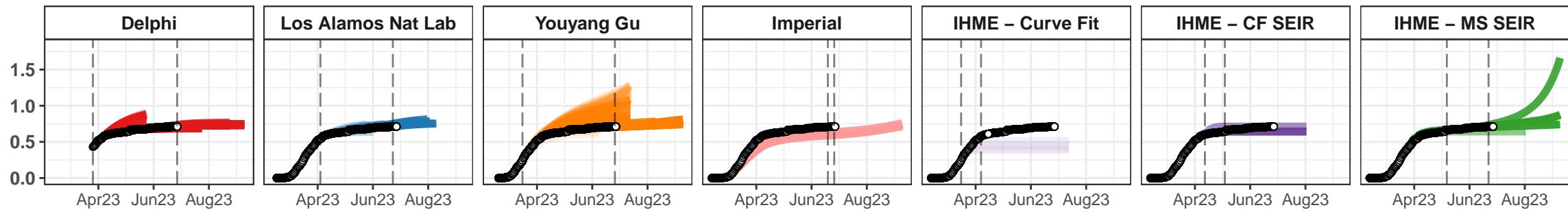
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



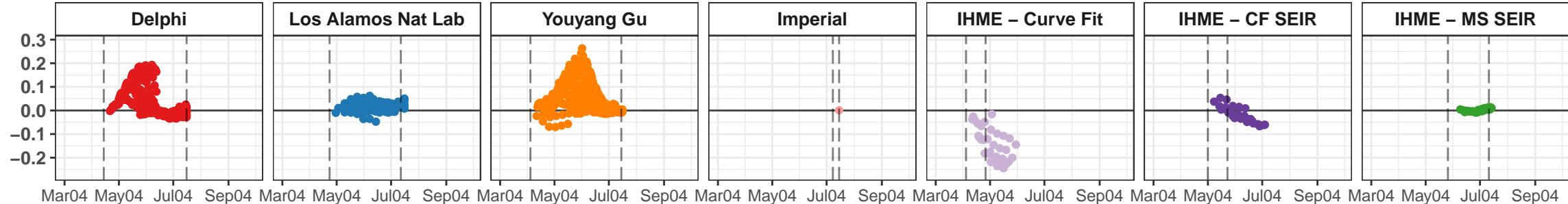
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

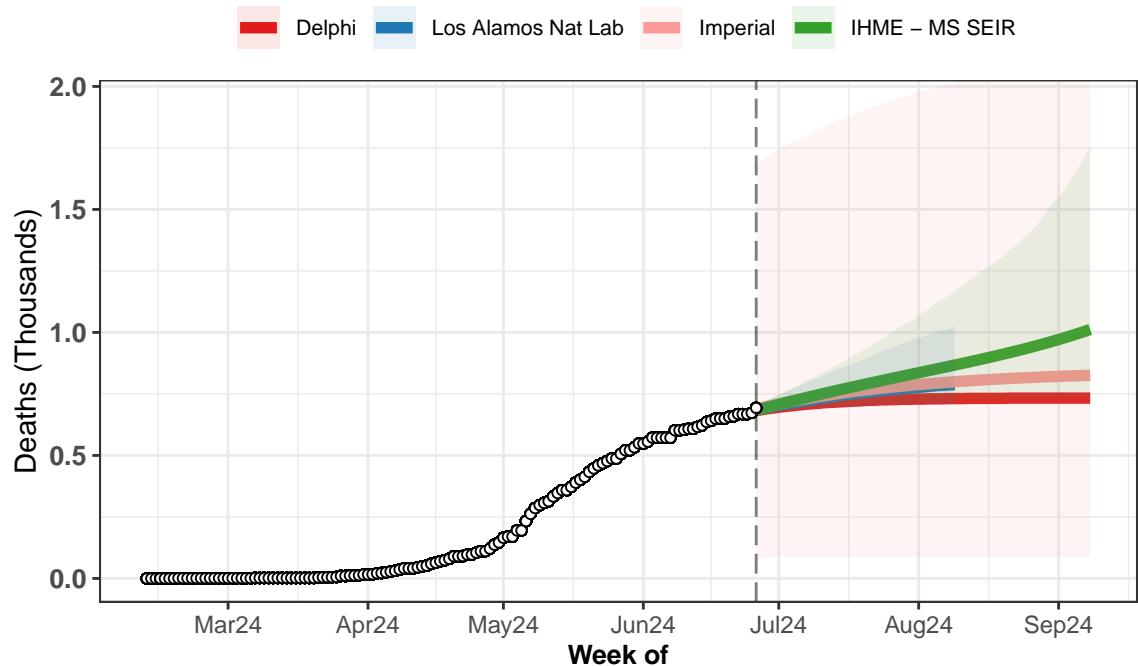


## All Cumulative Errors

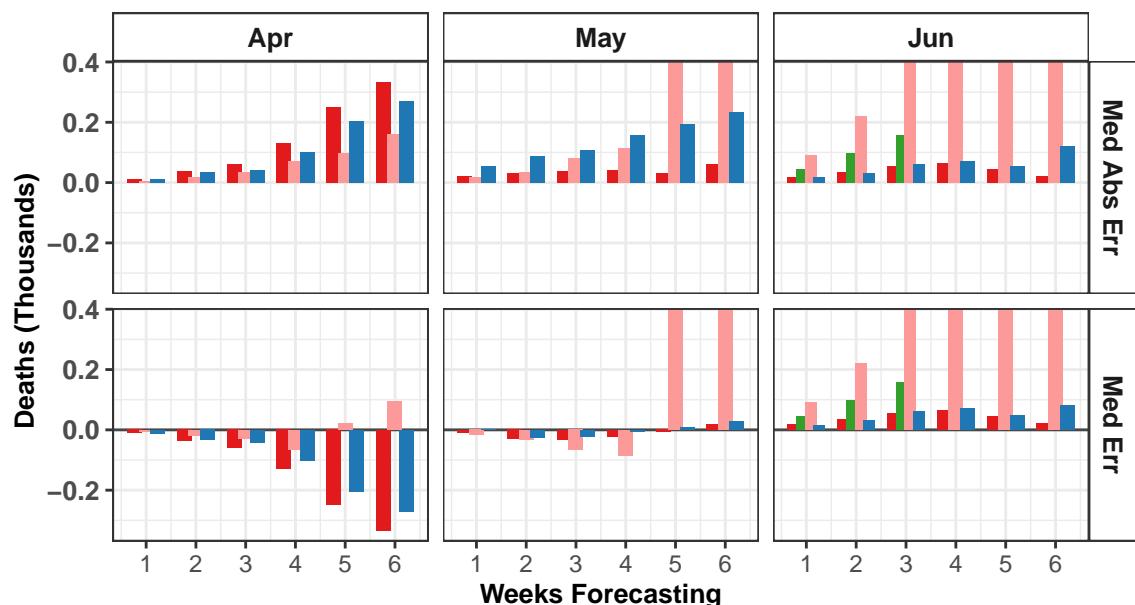


# Sudan

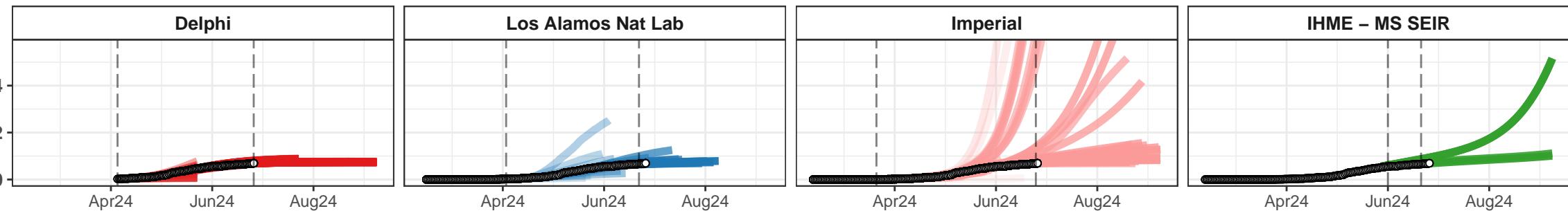
## Current Forecast



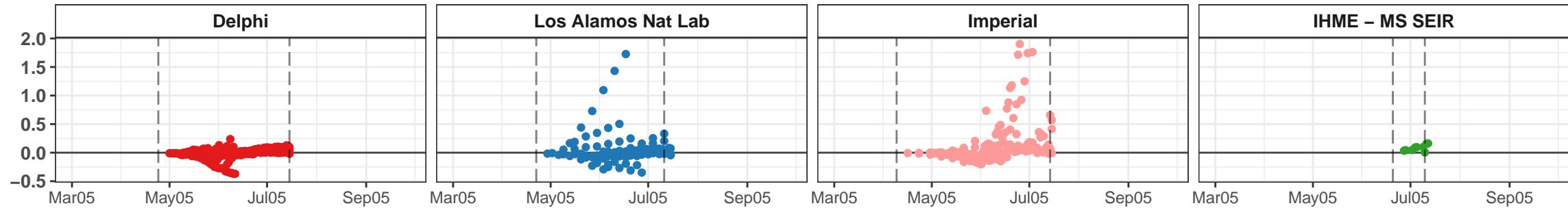
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

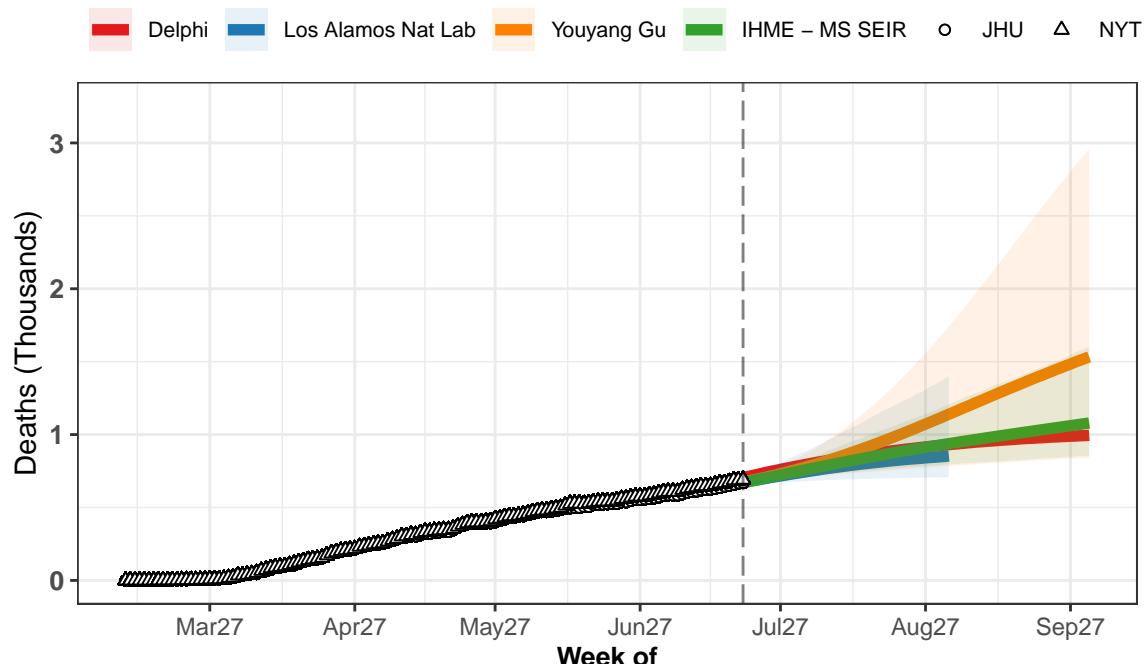


## All Cumulative Errors

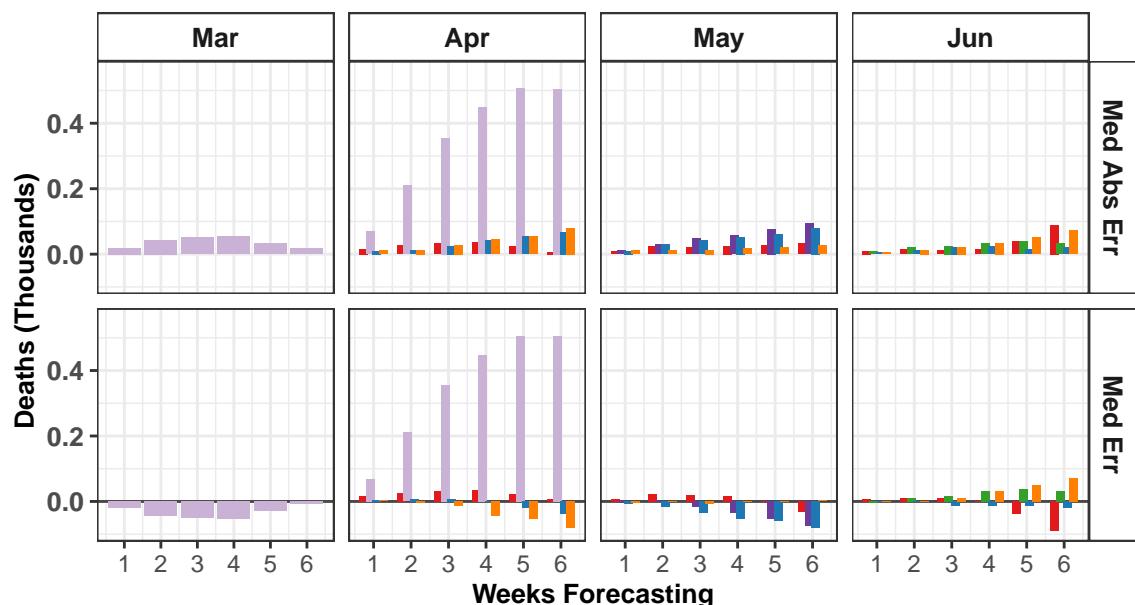


# Kentucky

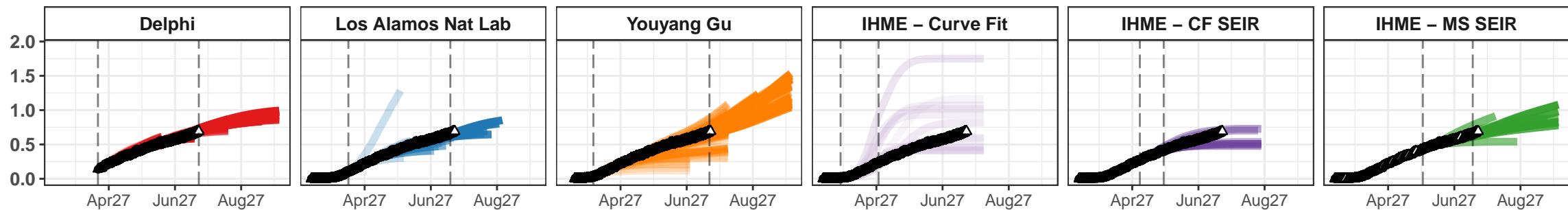
## Current Forecast



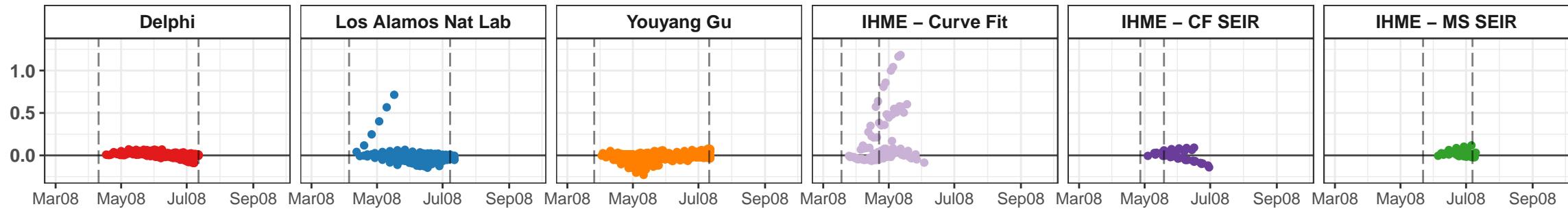
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

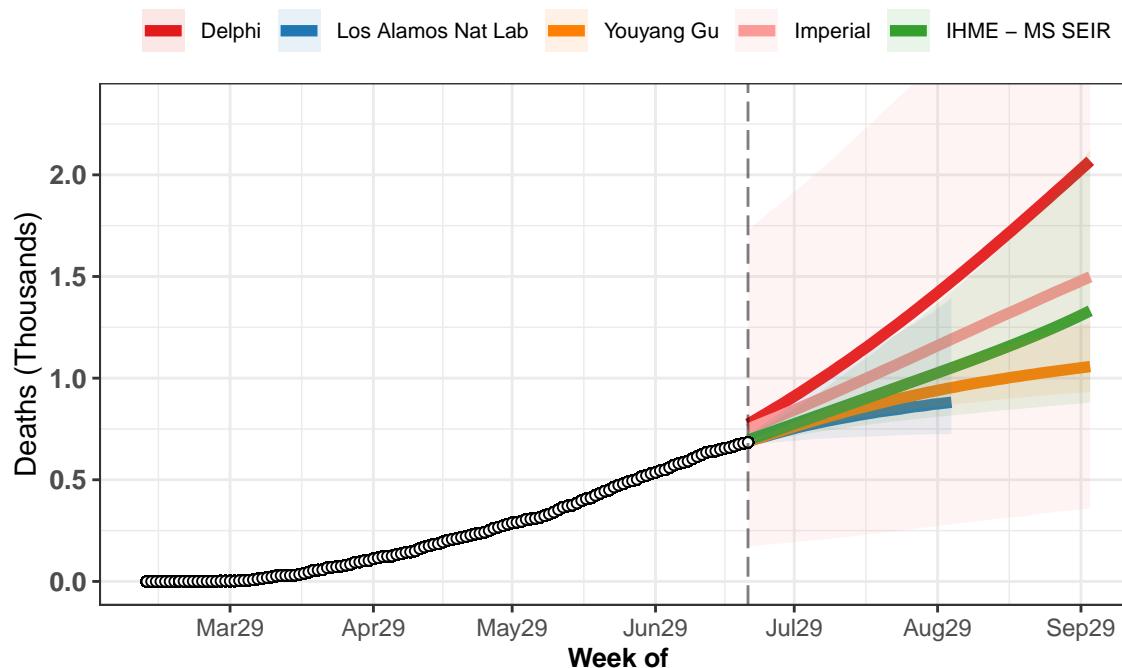


## All Cumulative Errors

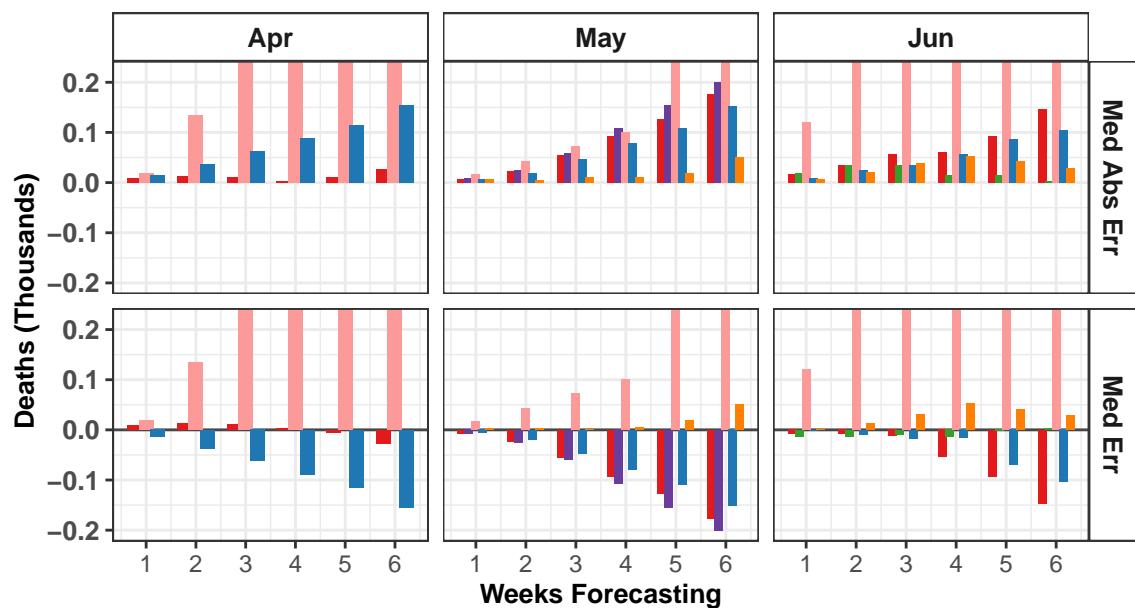


# Moldova

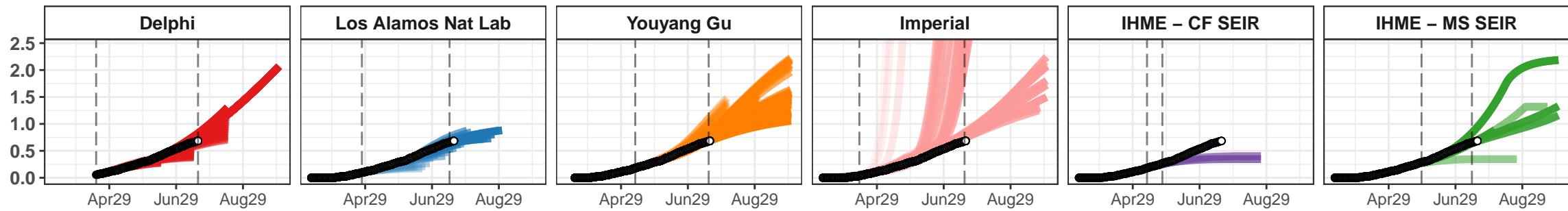
## Current Forecast



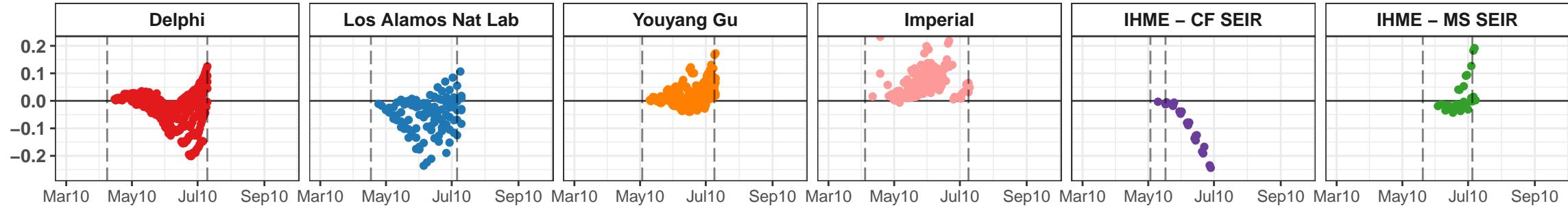
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

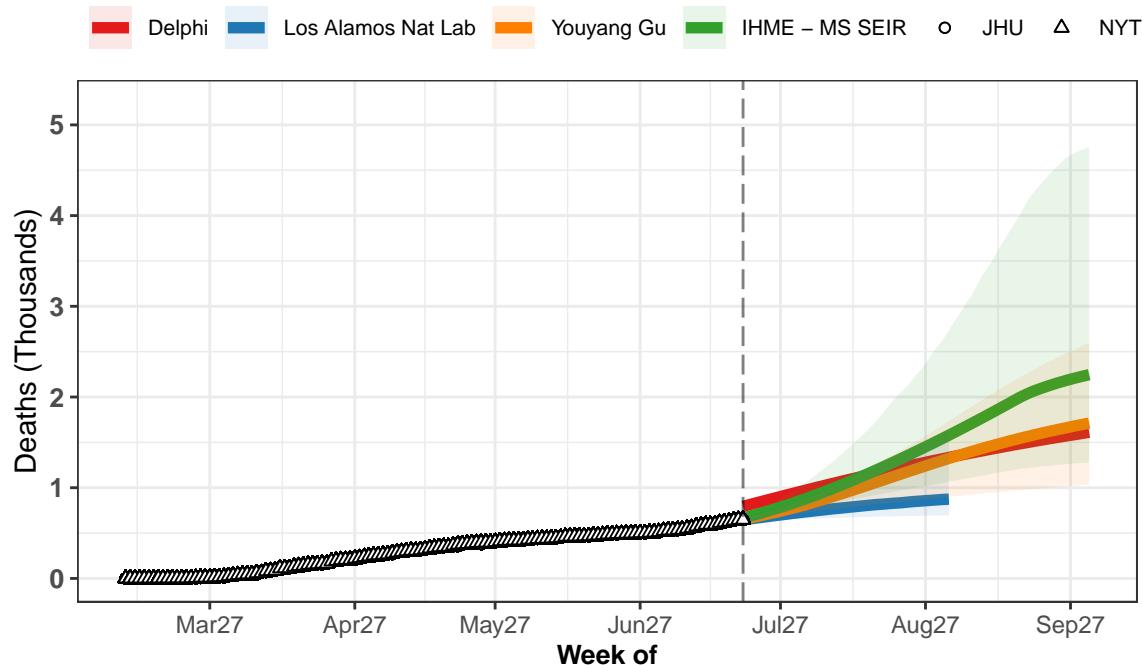


## All Cumulative Errors

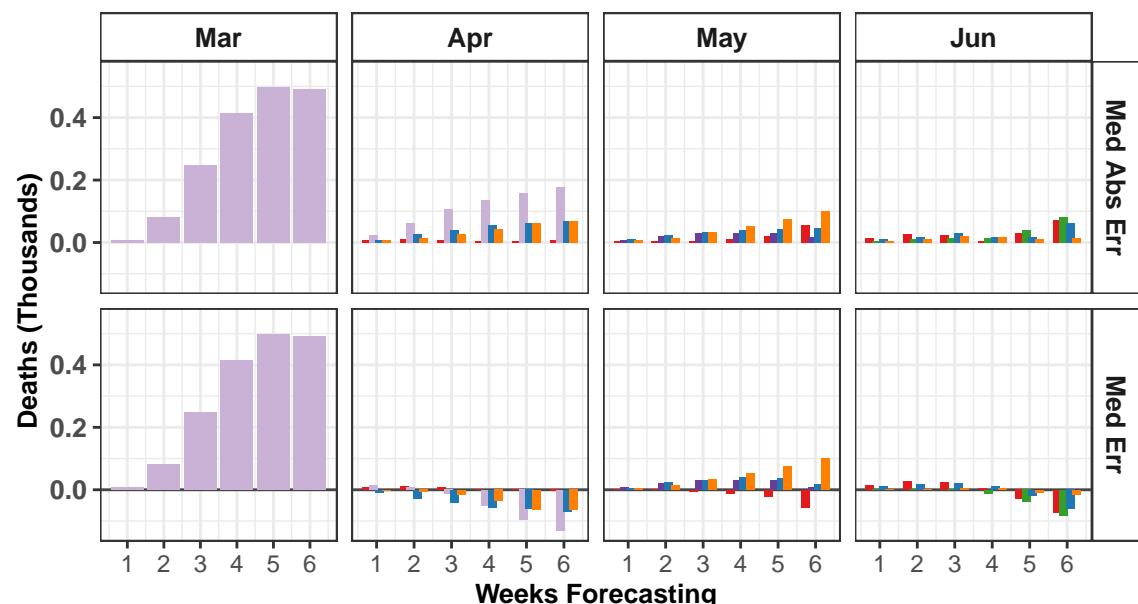


# Nevada

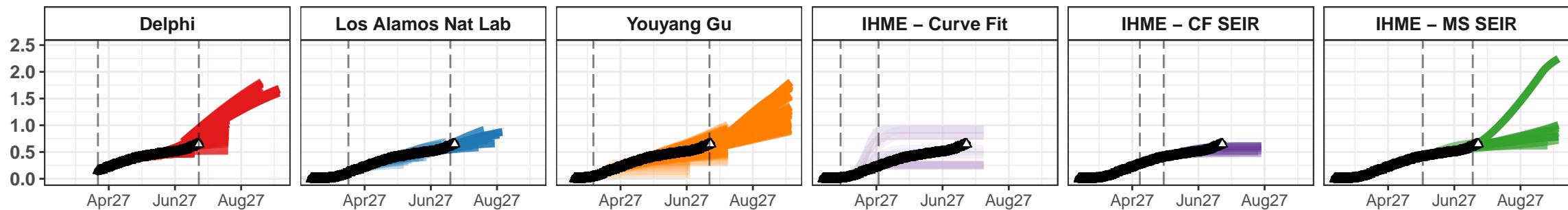
## Current Forecast



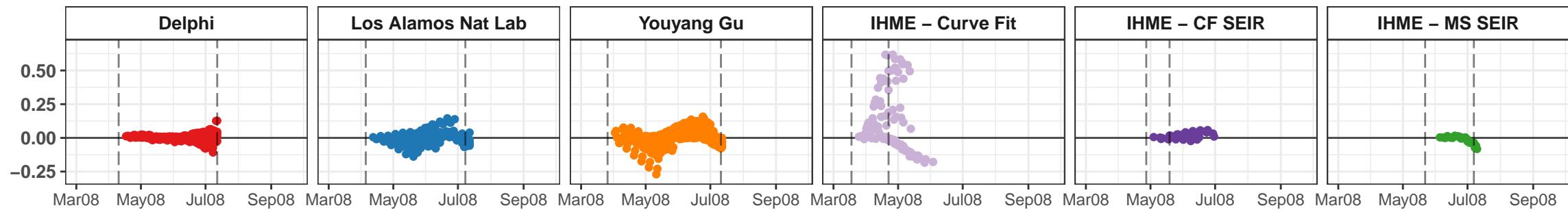
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

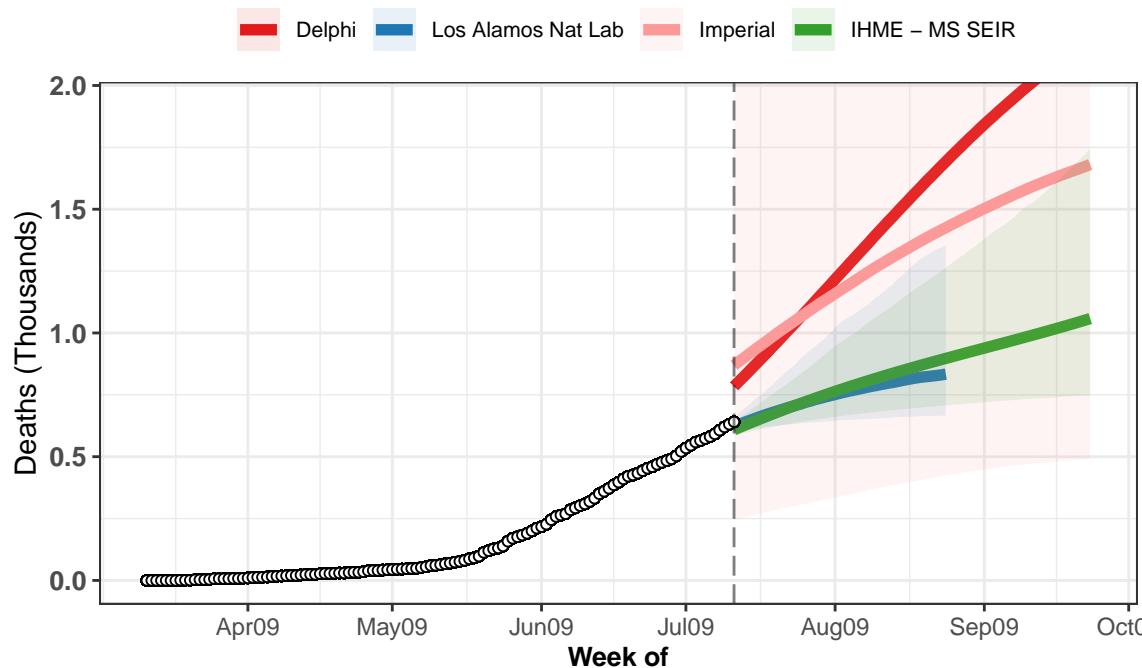


## All Cumulative Errors

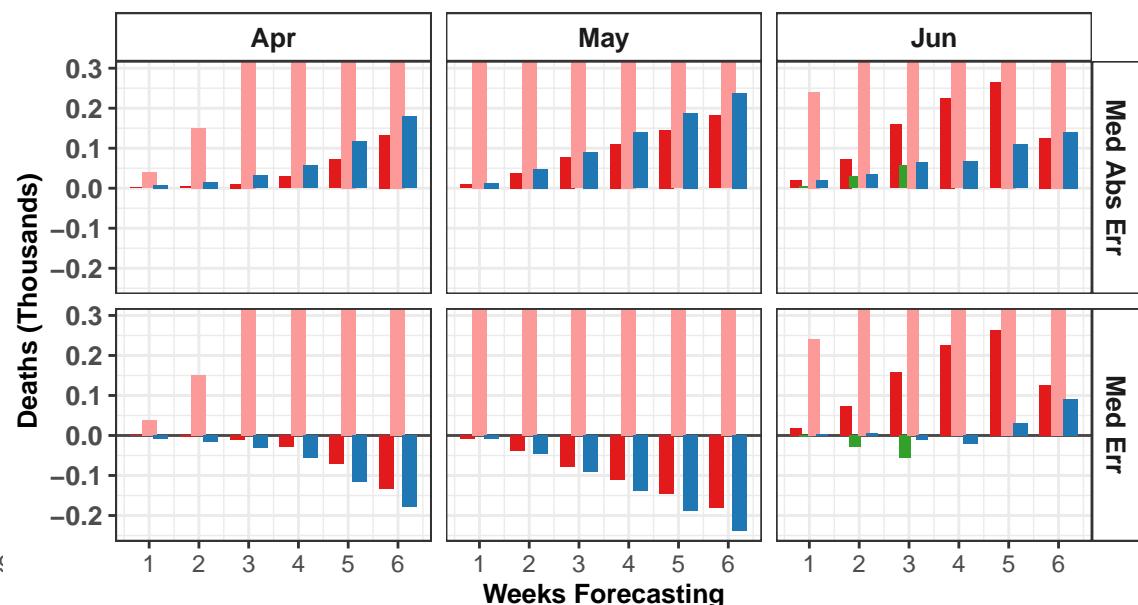


# Armenia

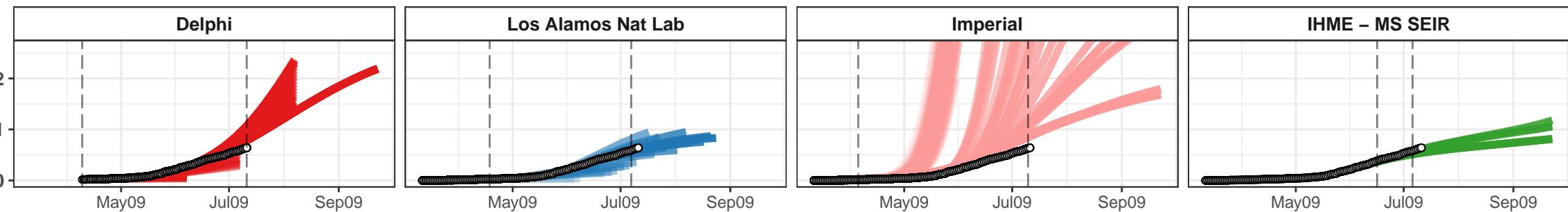
## Current Forecast



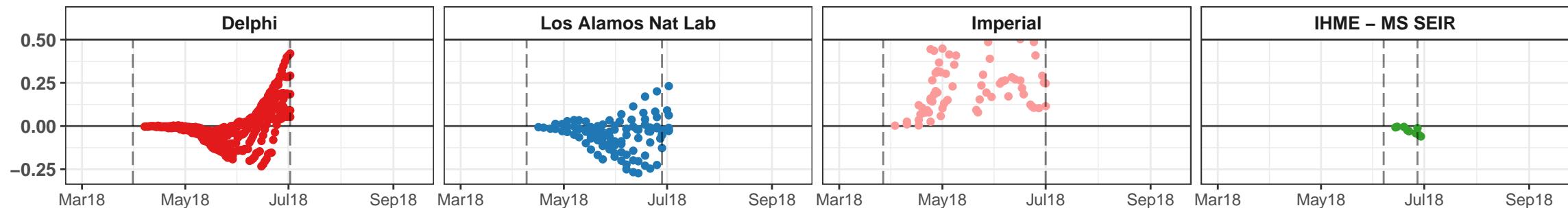
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

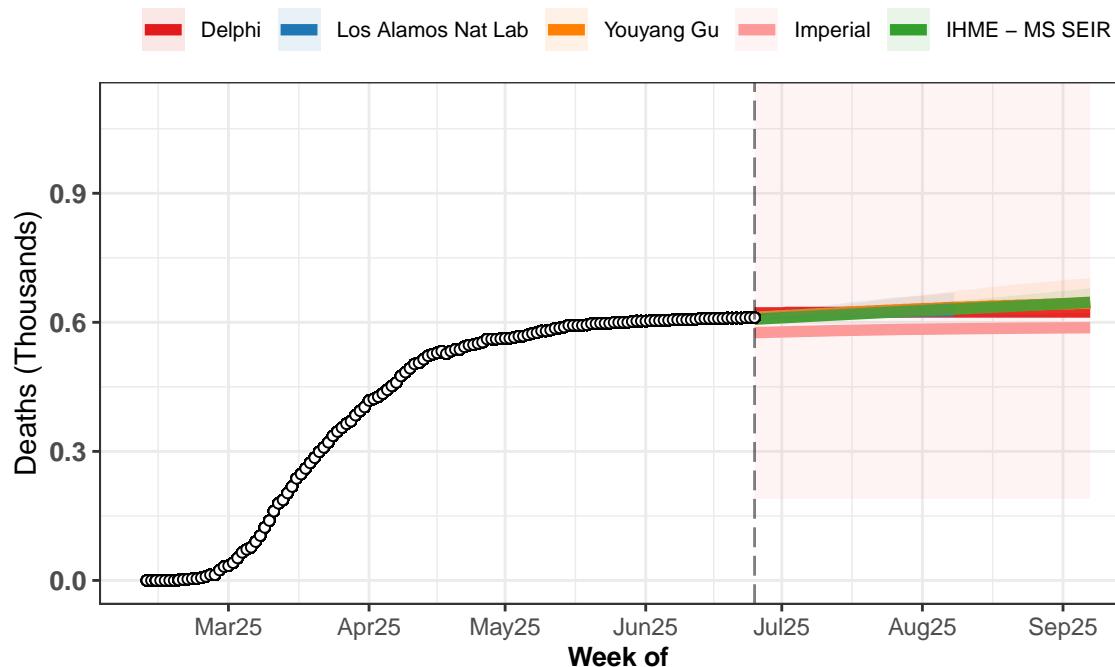


## All Cumulative Errors

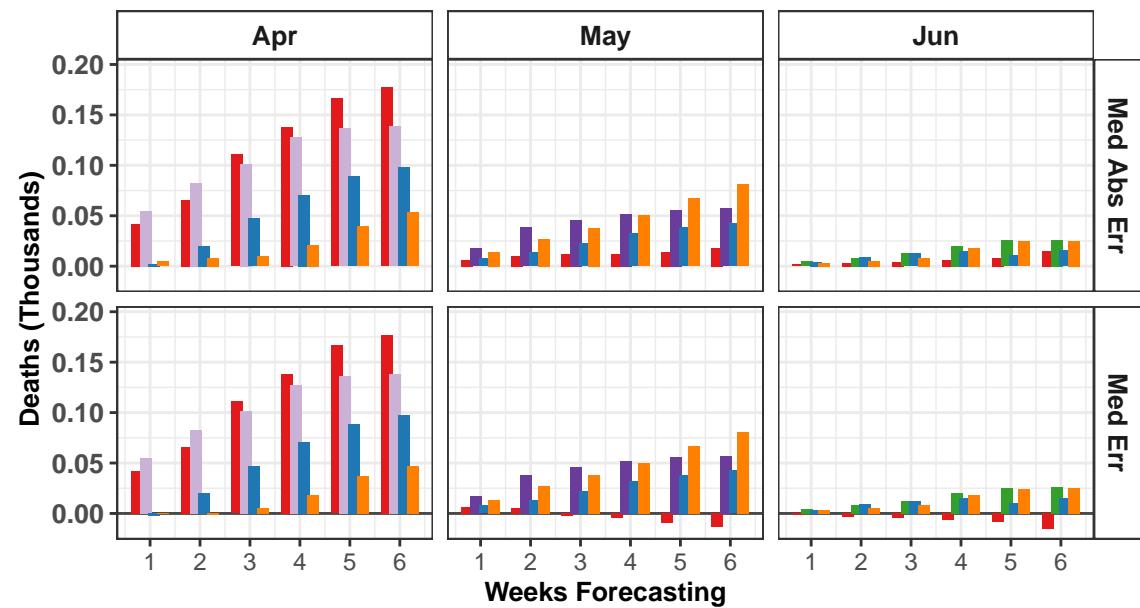


# Denmark

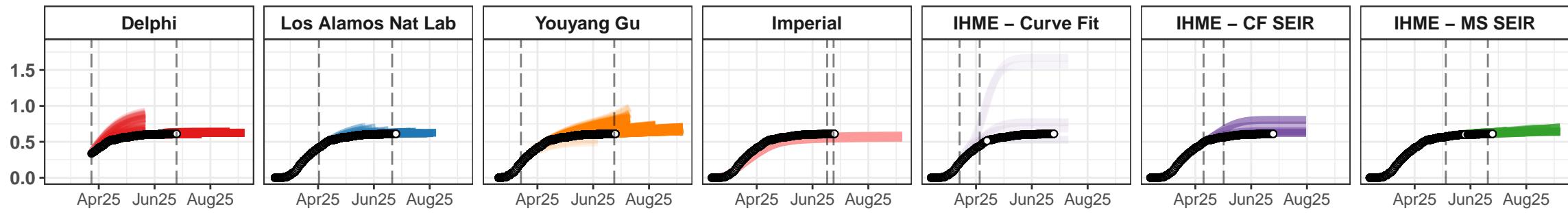
## Current Forecast



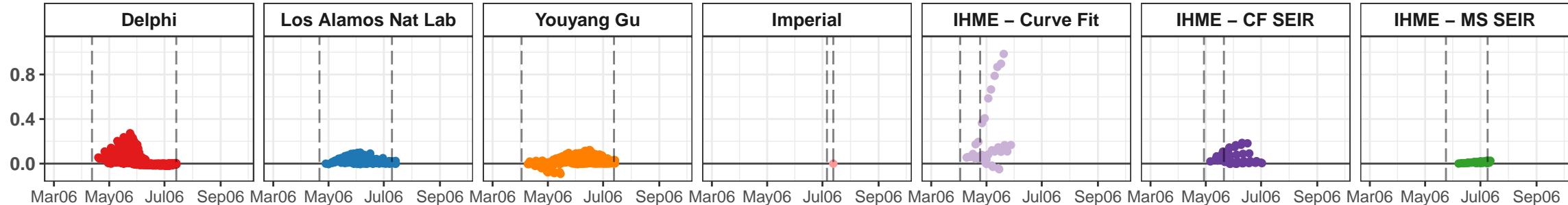
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



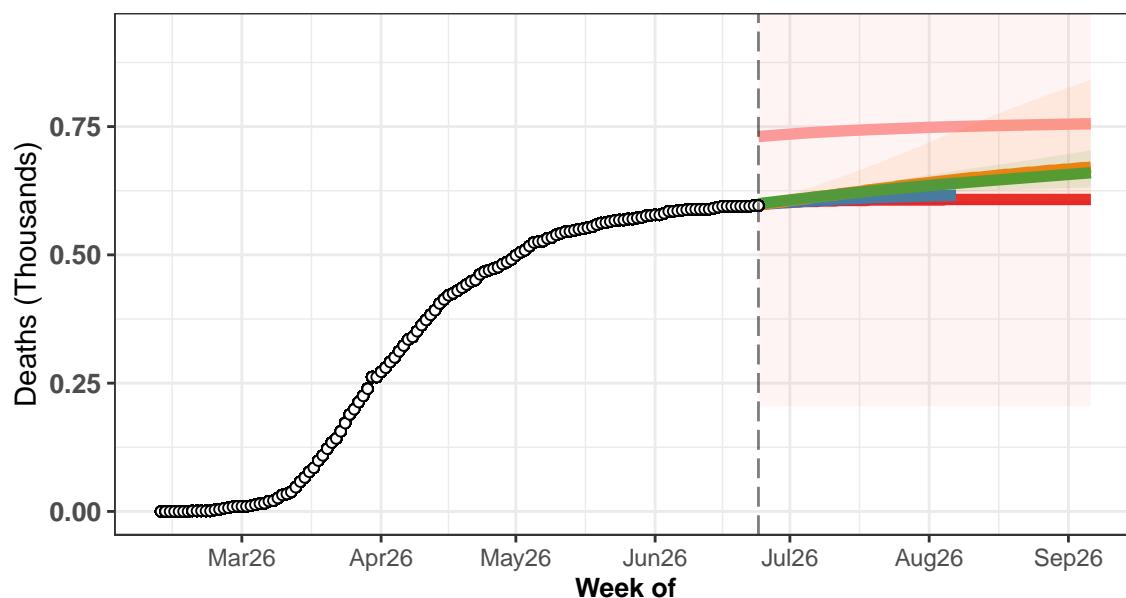
## All Cumulative Errors



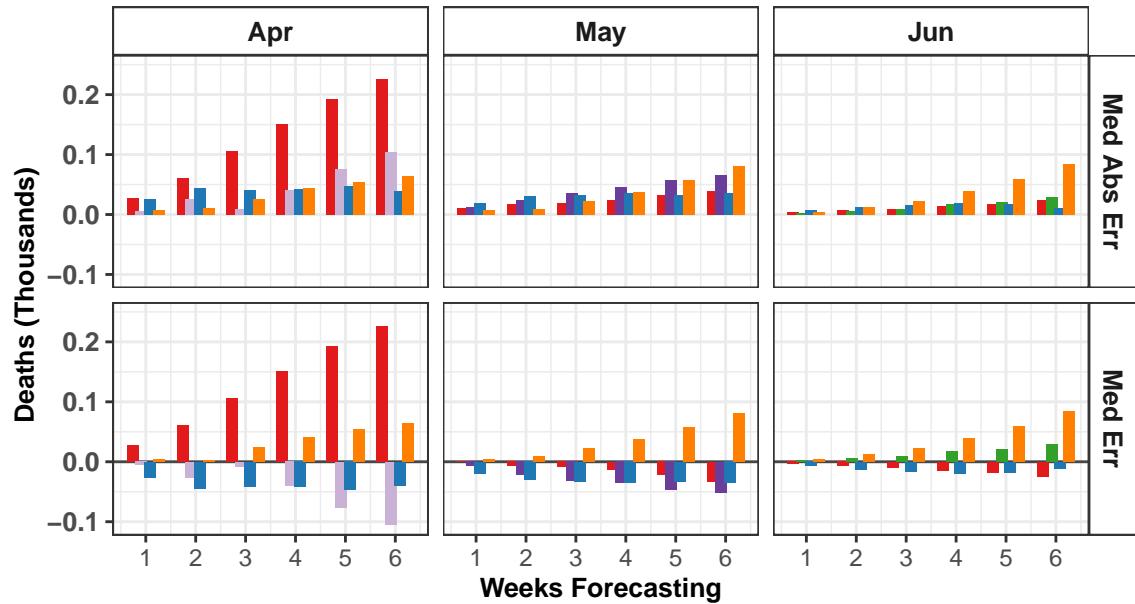
# Hungary

## Current Forecast

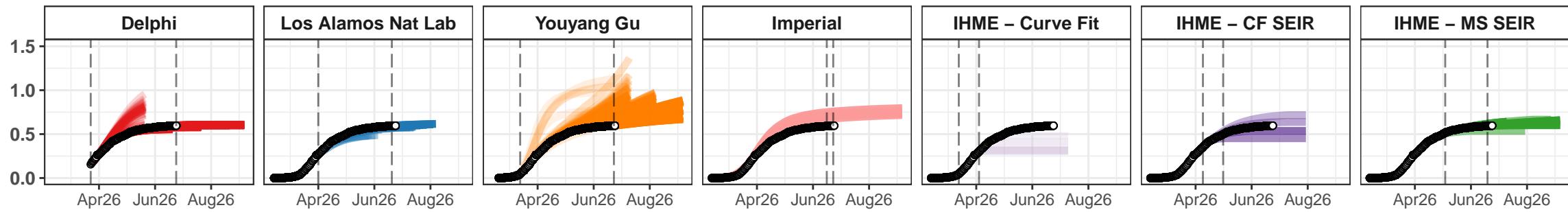
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



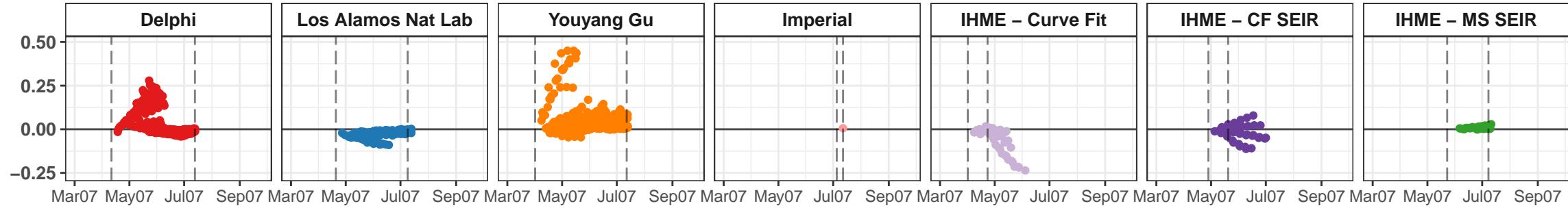
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



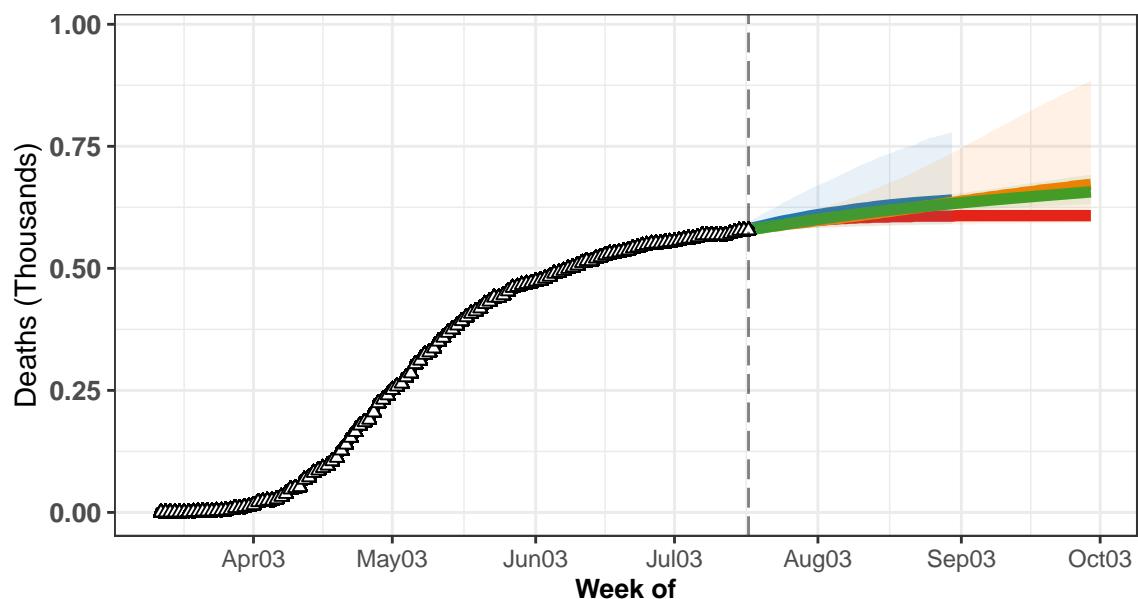
## All Cumulative Errors



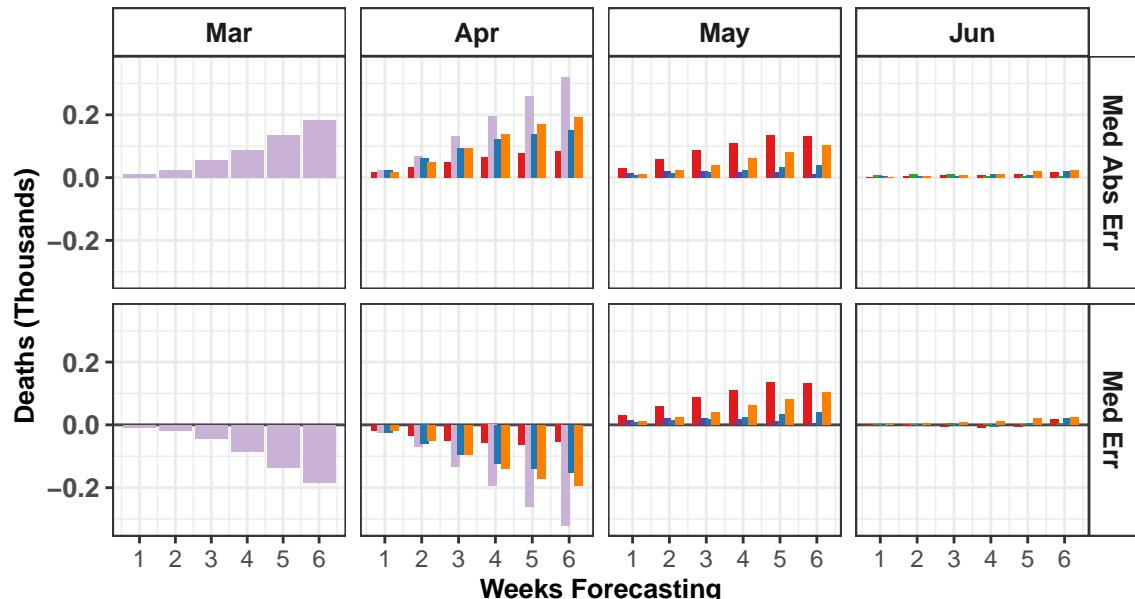
# District of Columbia

## Current Forecast

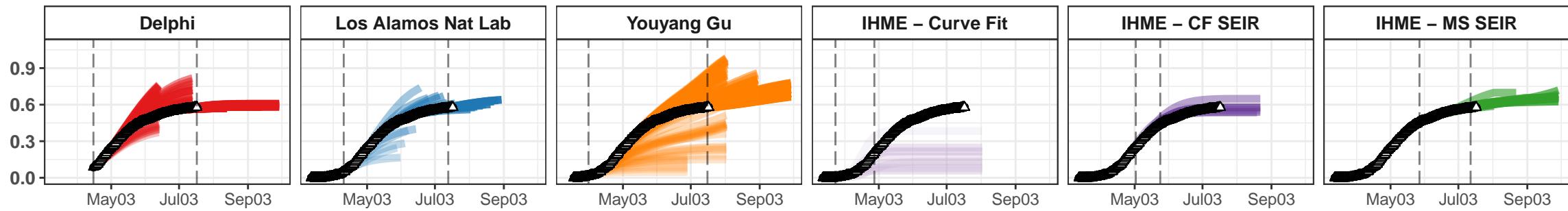
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NY



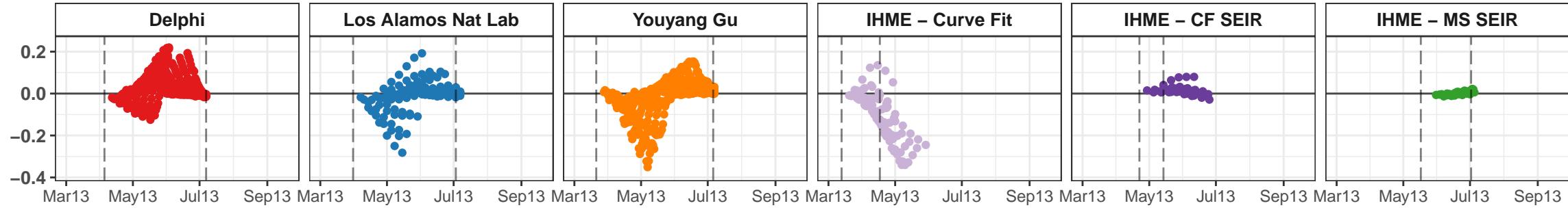
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



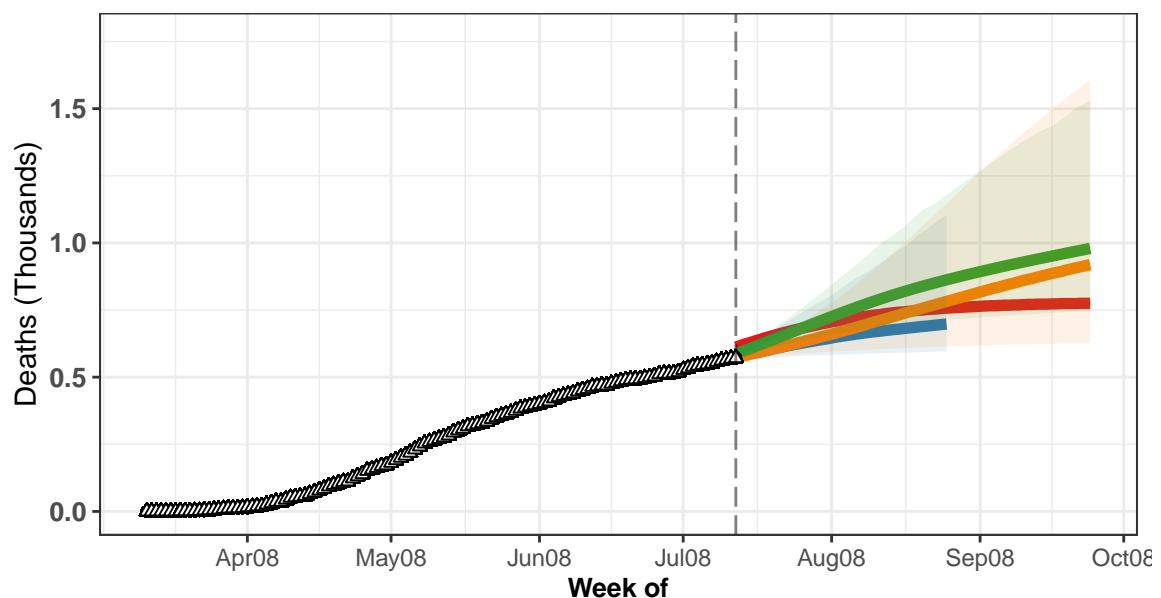
## All Cumulative Errors



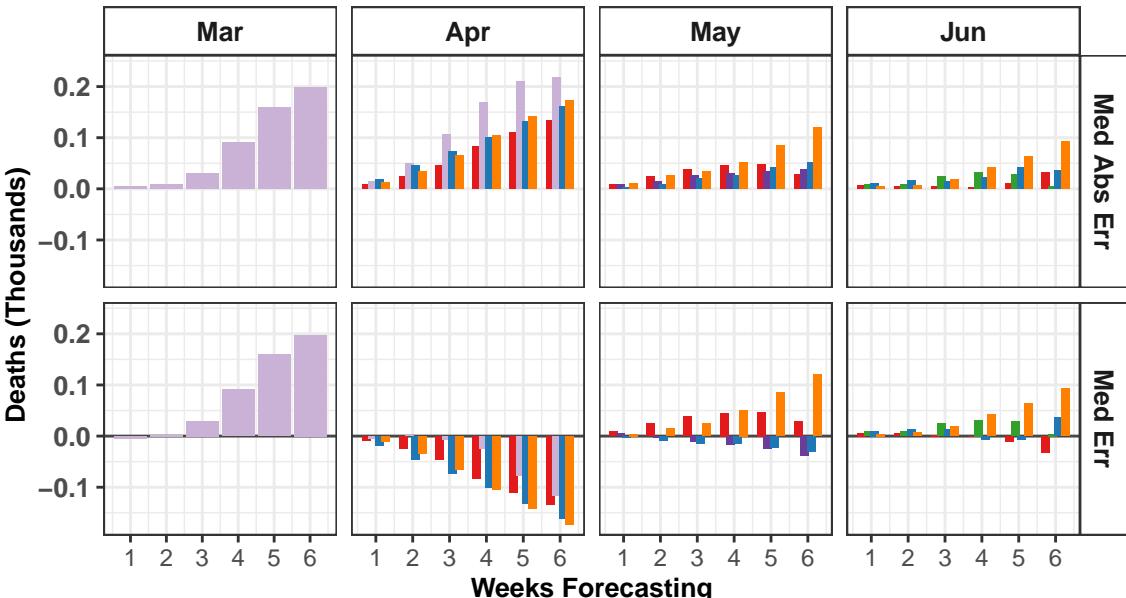
# New Mexico

## Current Forecast

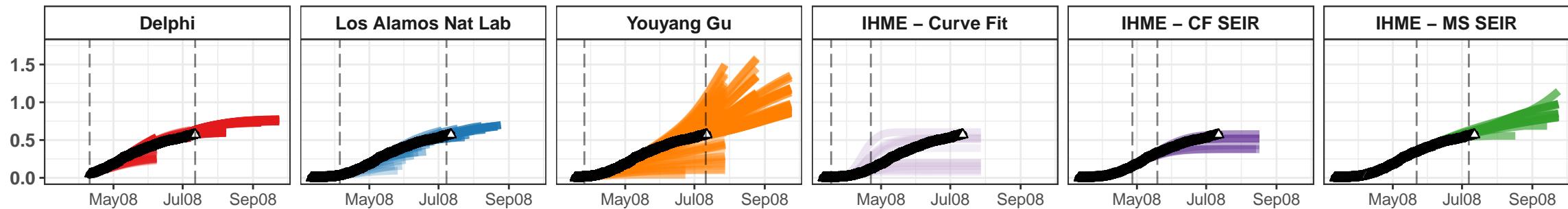
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



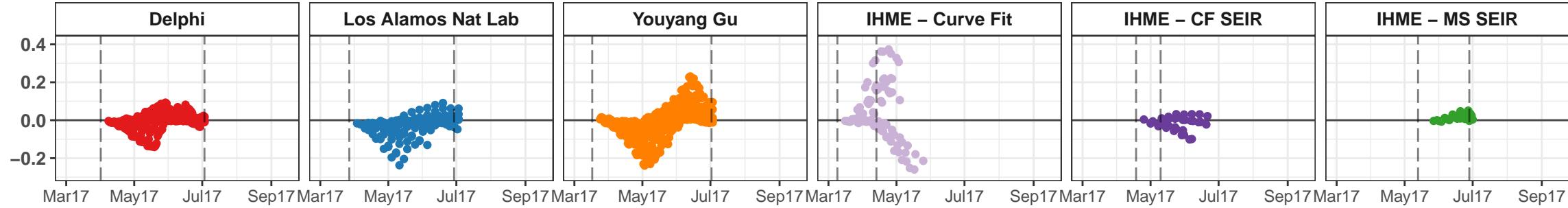
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



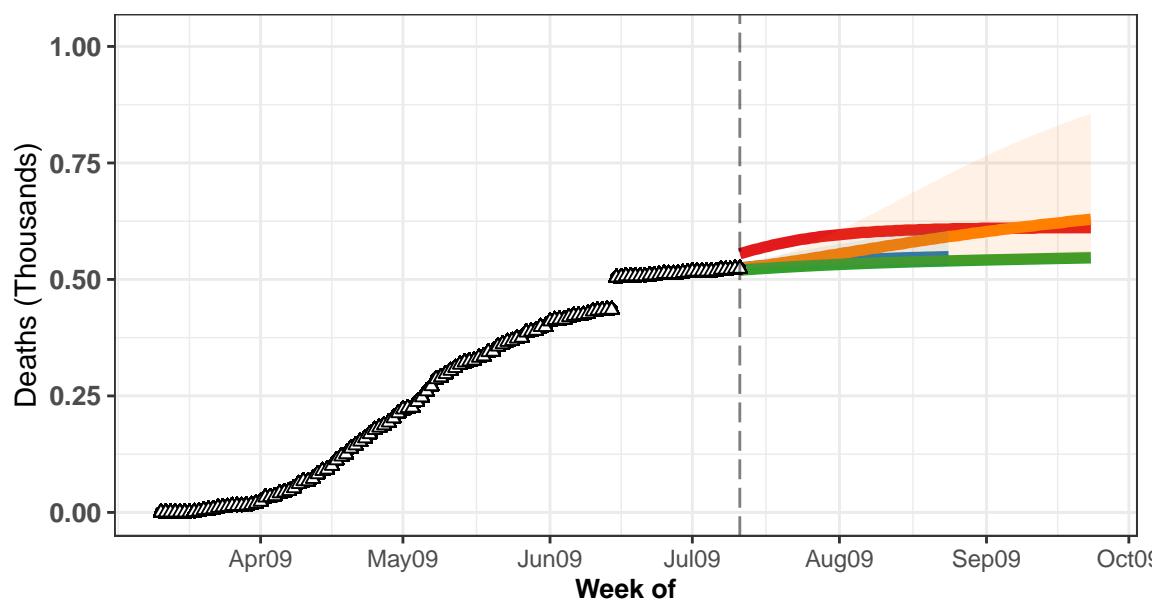
## All Cumulative Errors



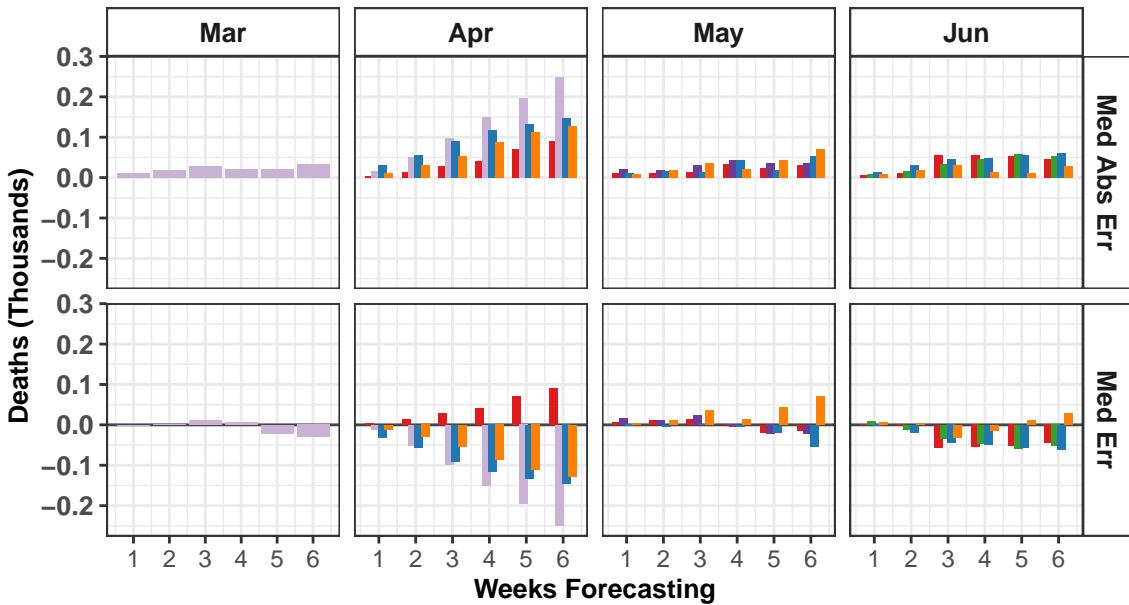
# Delaware

## Current Forecast

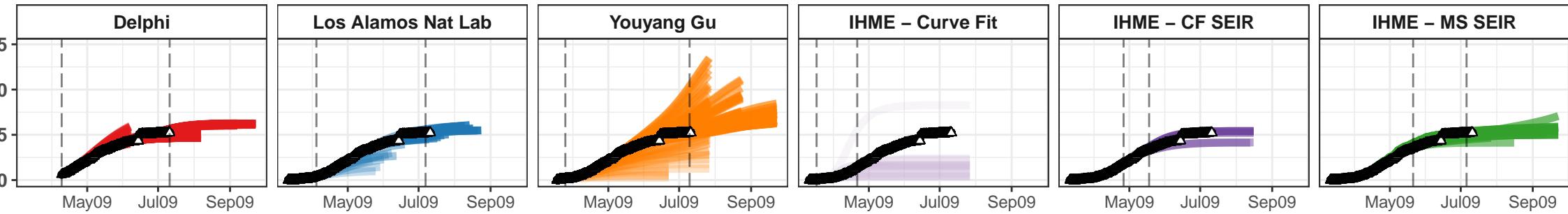
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NY



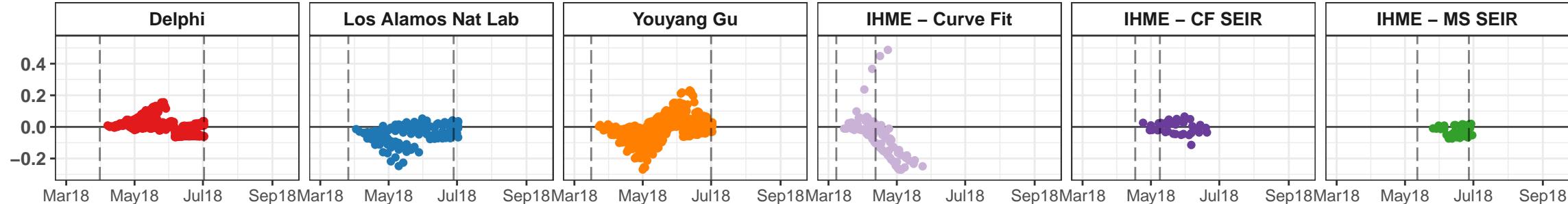
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

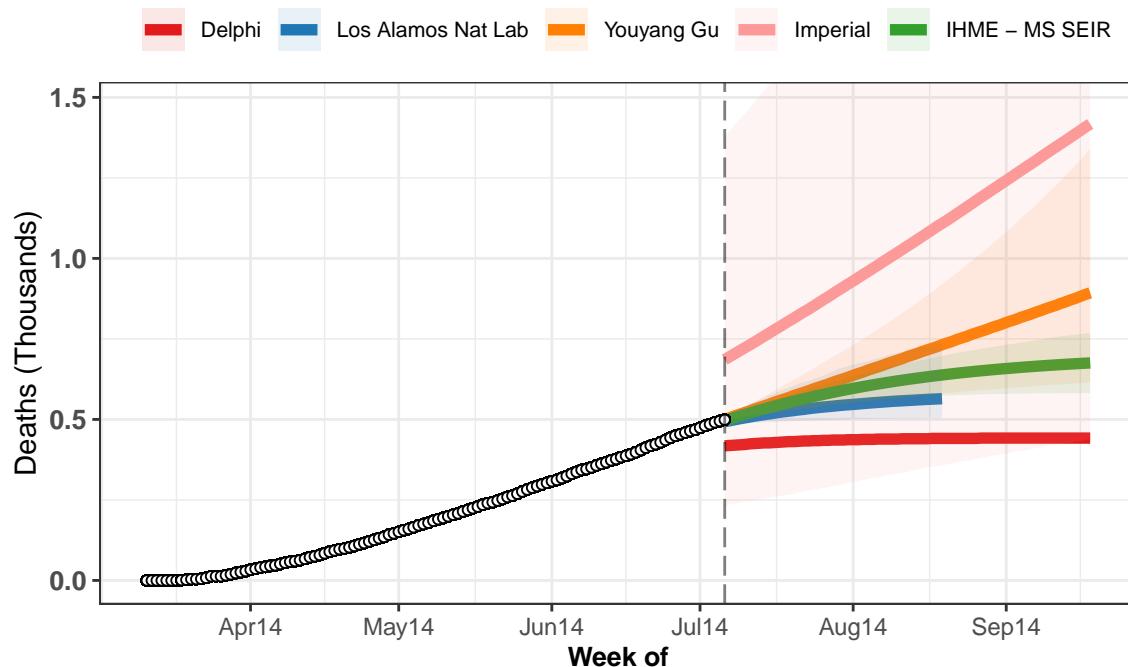


## All Cumulative Errors

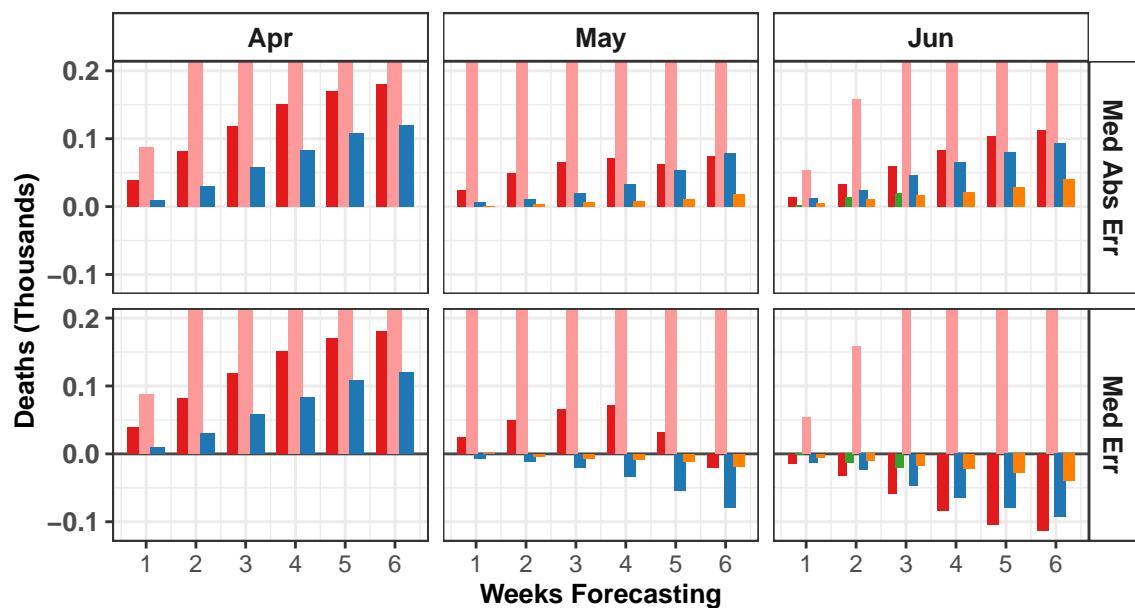


# Belarus

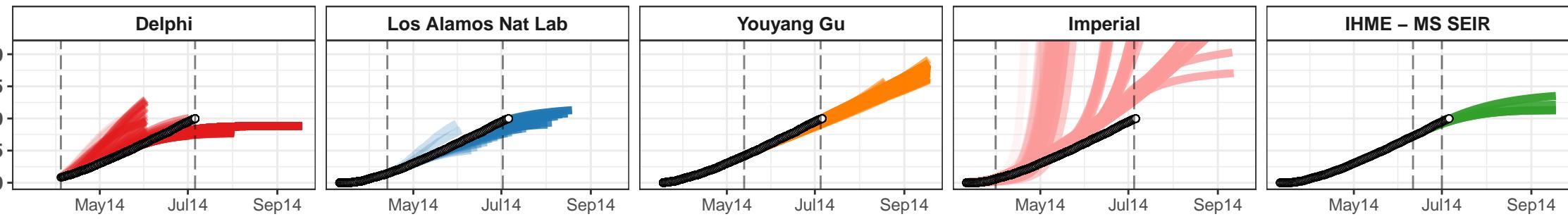
## Current Forecast



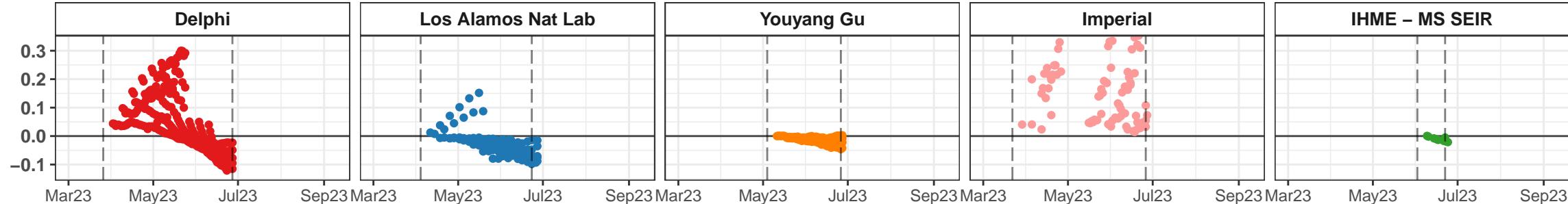
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



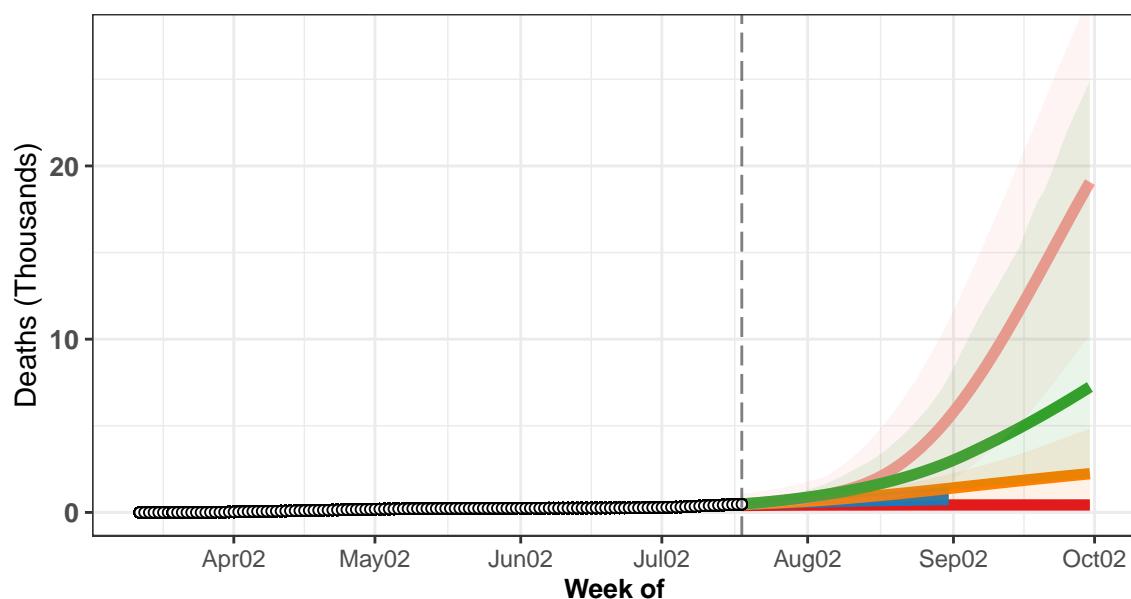
## All Cumulative Errors



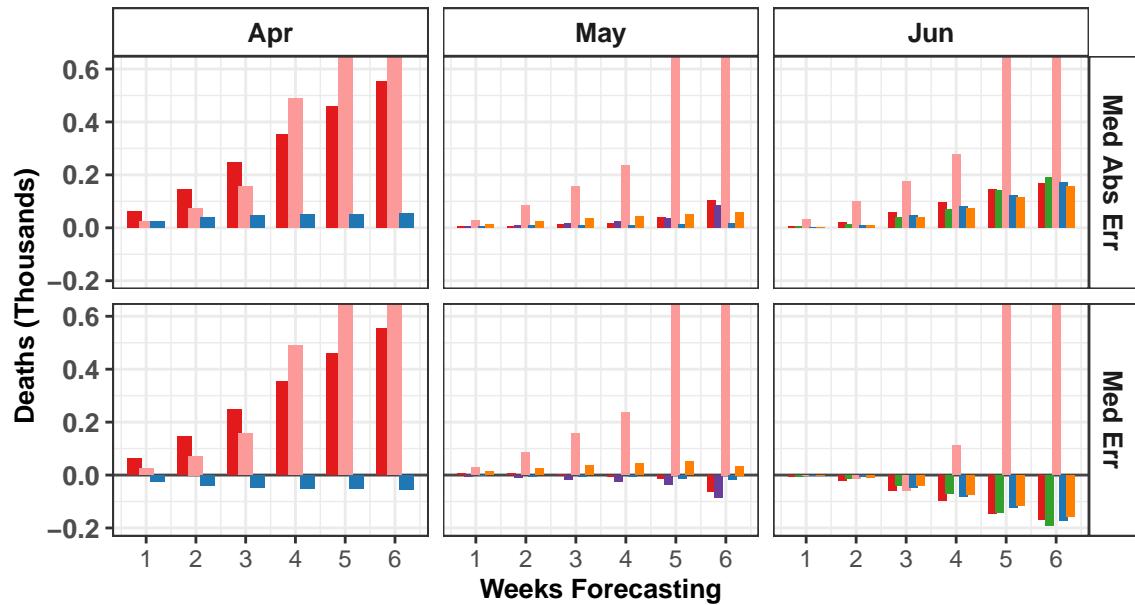
# Serbia

## Current Forecast

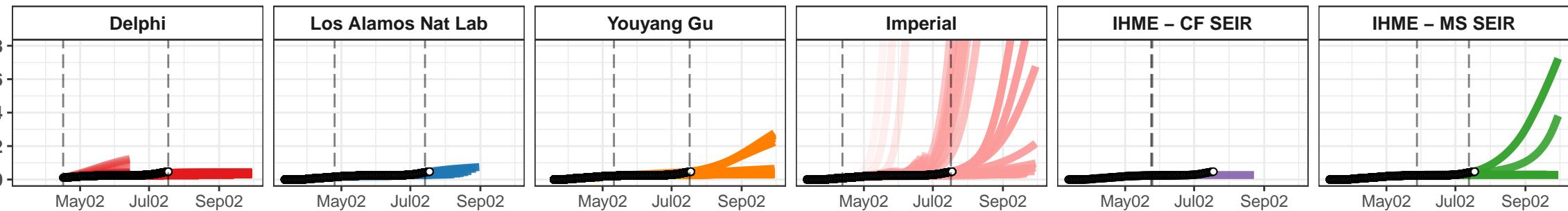
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



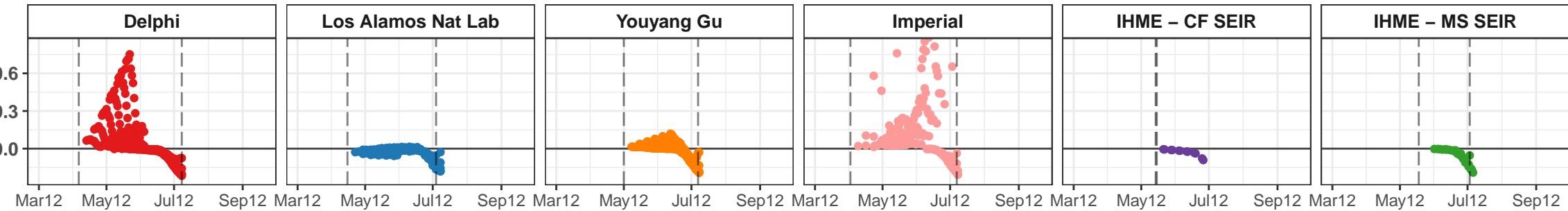
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



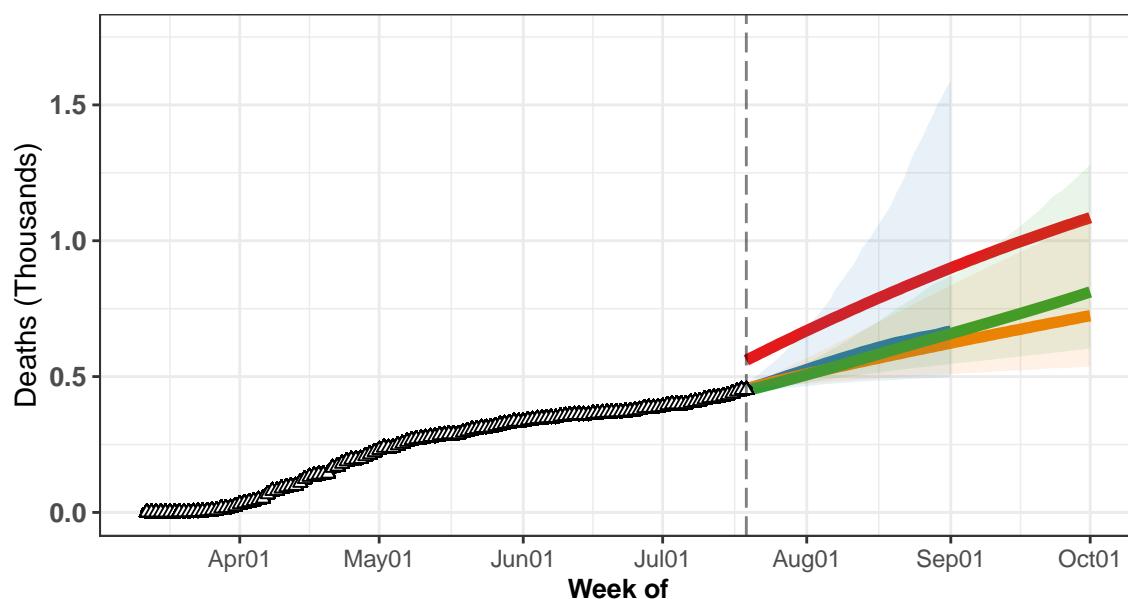
## All Cumulative Errors



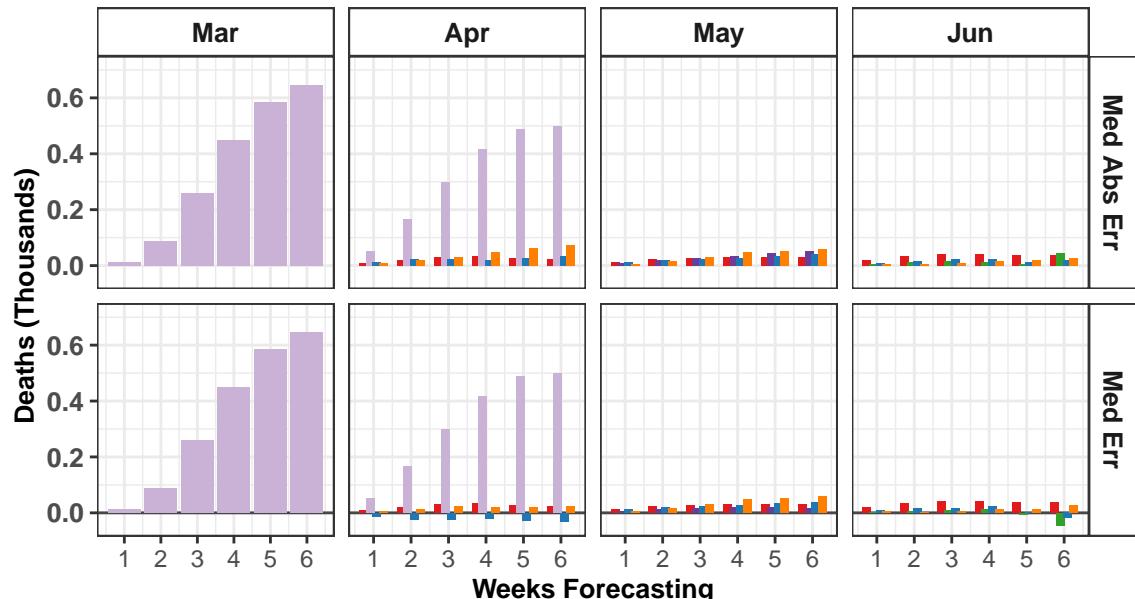
# Oklahoma

## Current Forecast

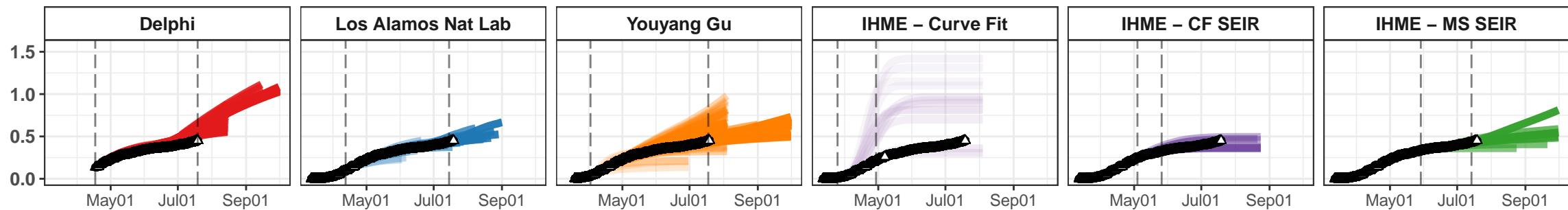
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



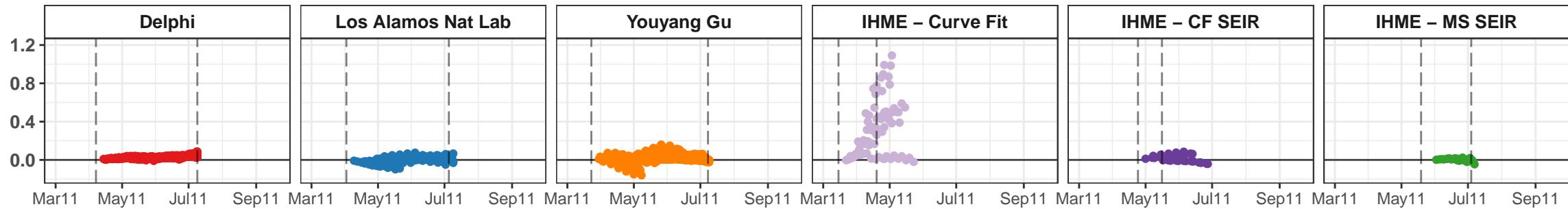
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

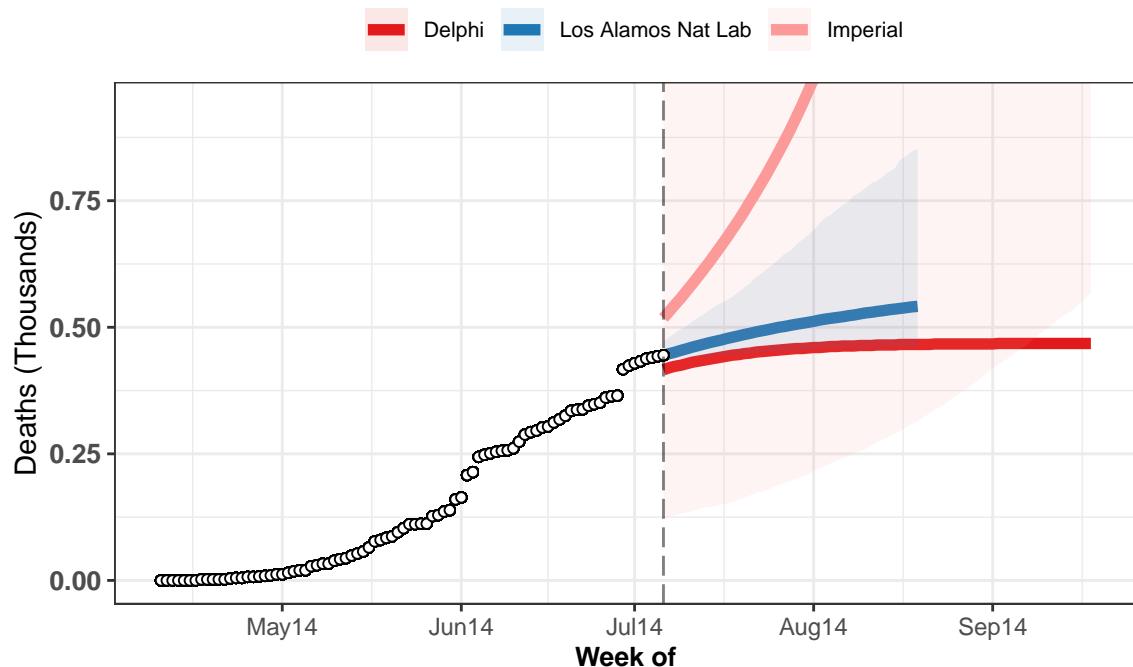


## All Cumulative Errors

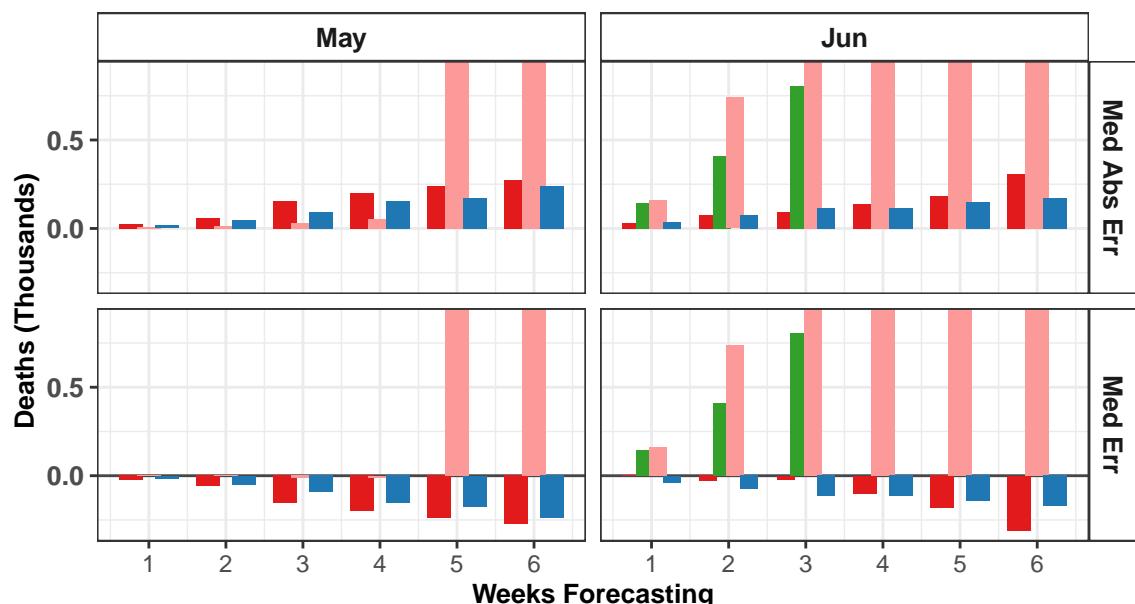


# Yemen

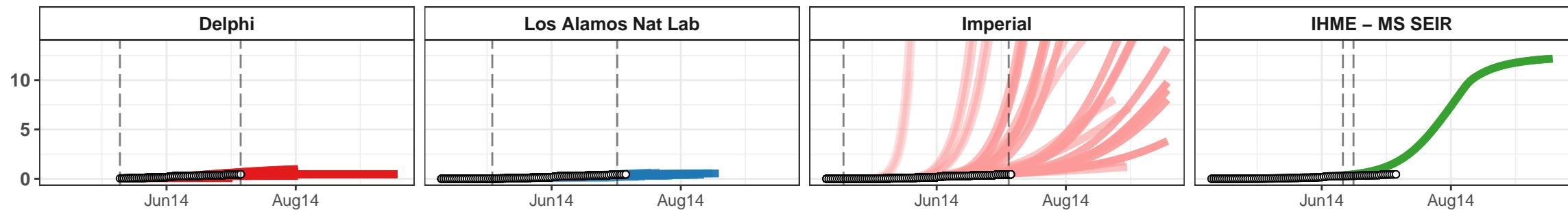
## Current Forecast



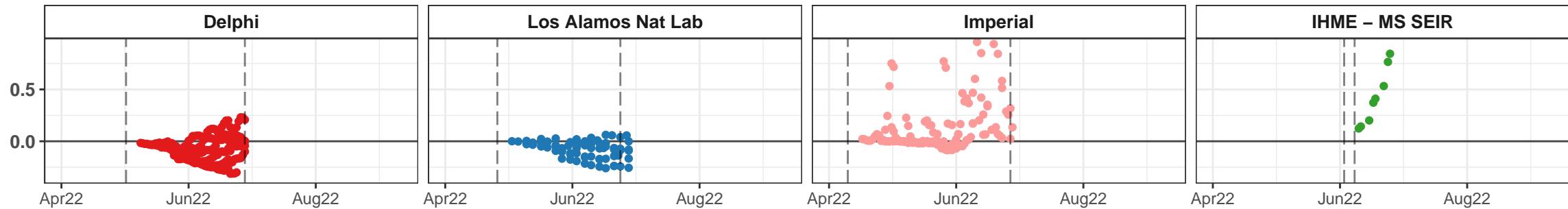
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

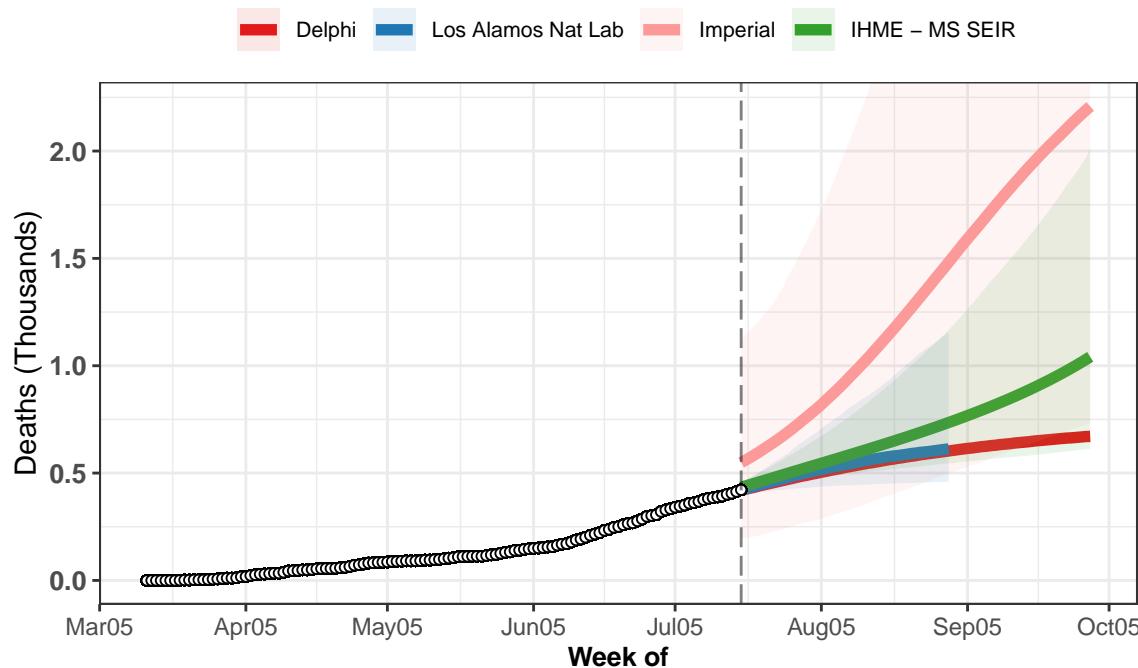


## All Cumulative Errors

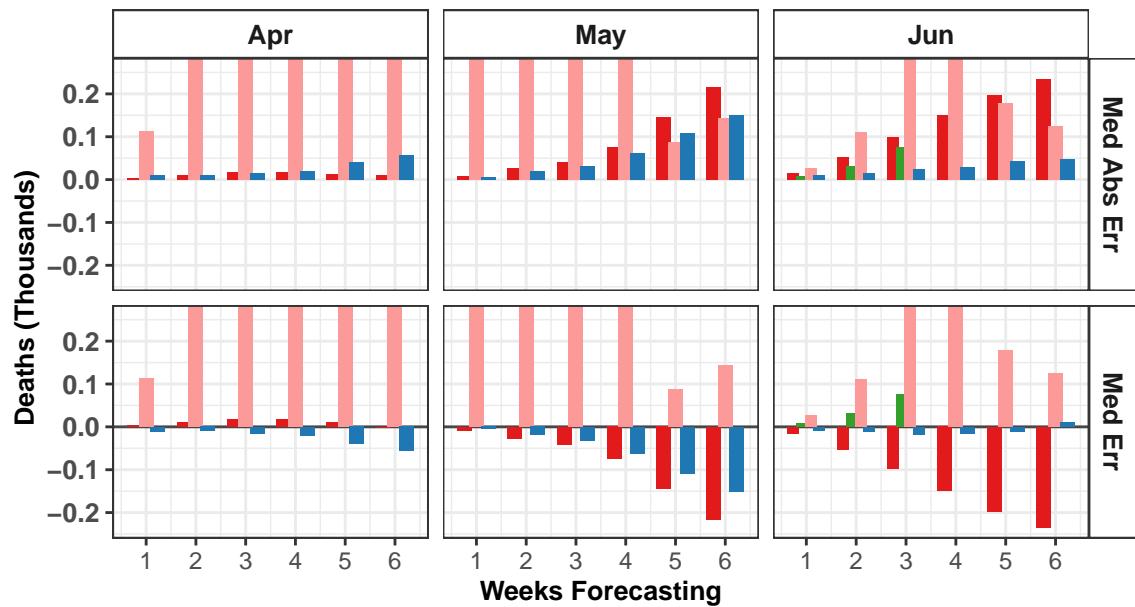


# Macedonia

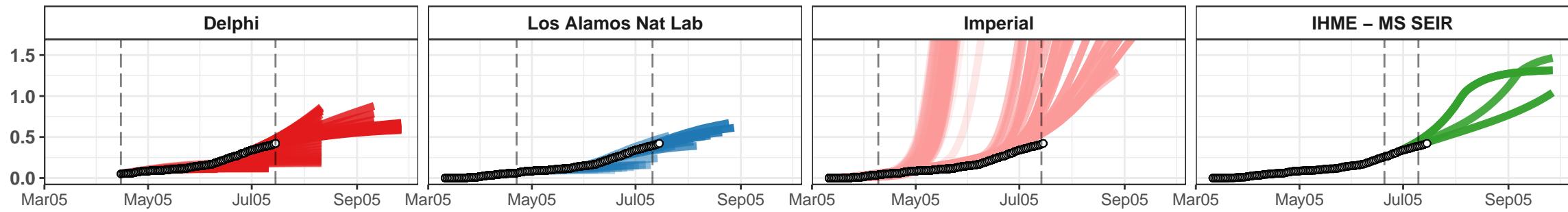
## Current Forecast



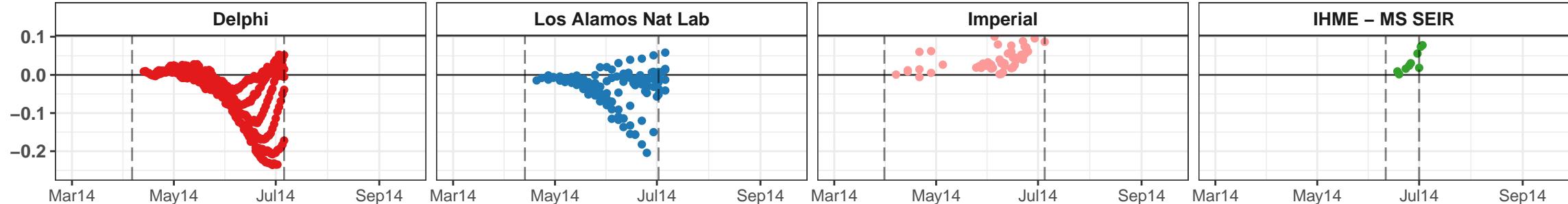
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

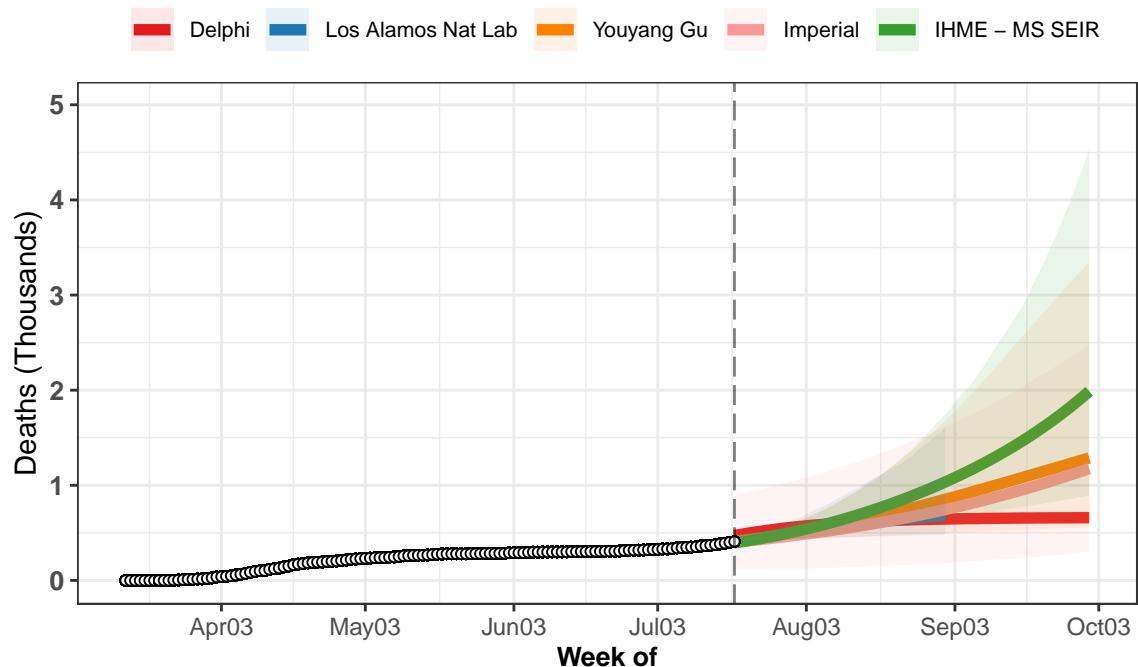


## All Cumulative Errors

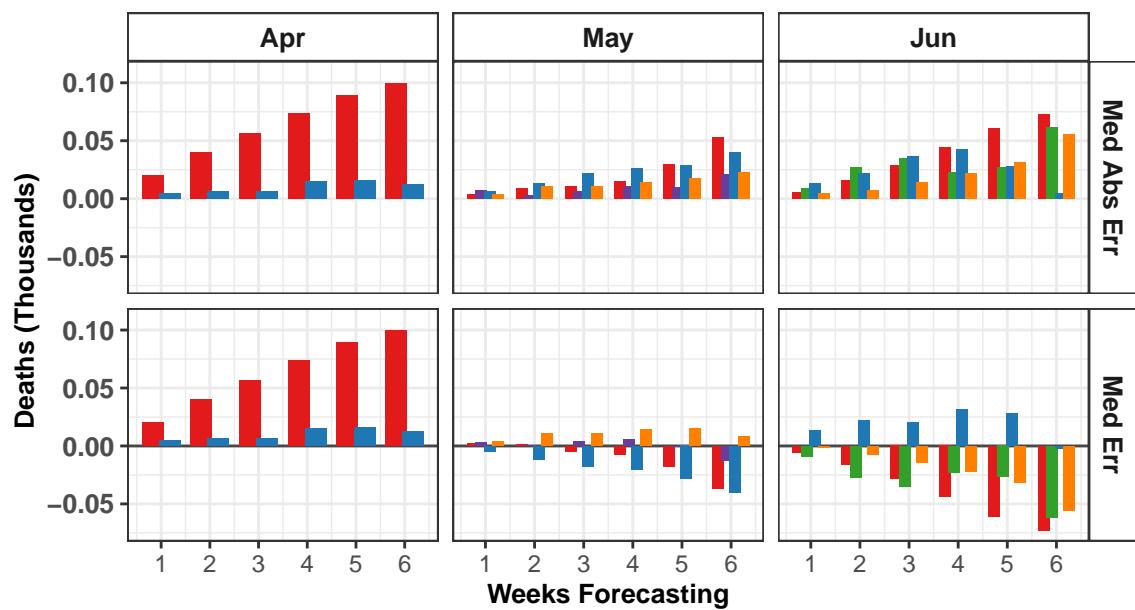


# Israel

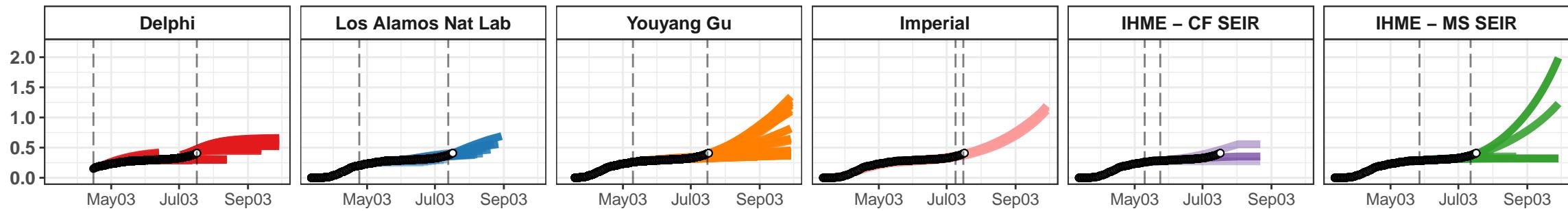
## Current Forecast



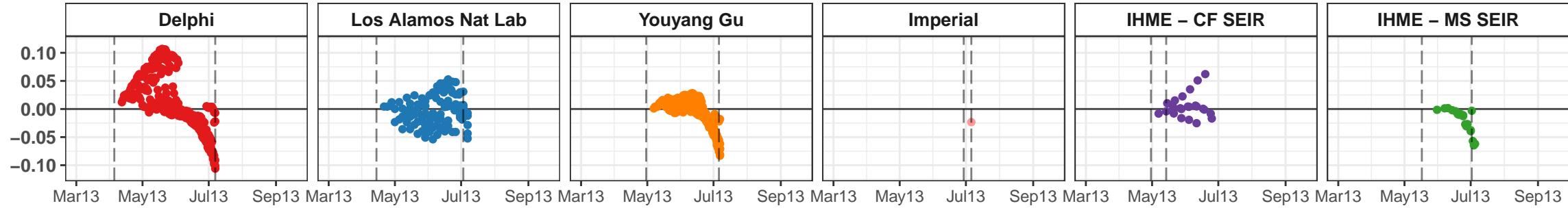
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

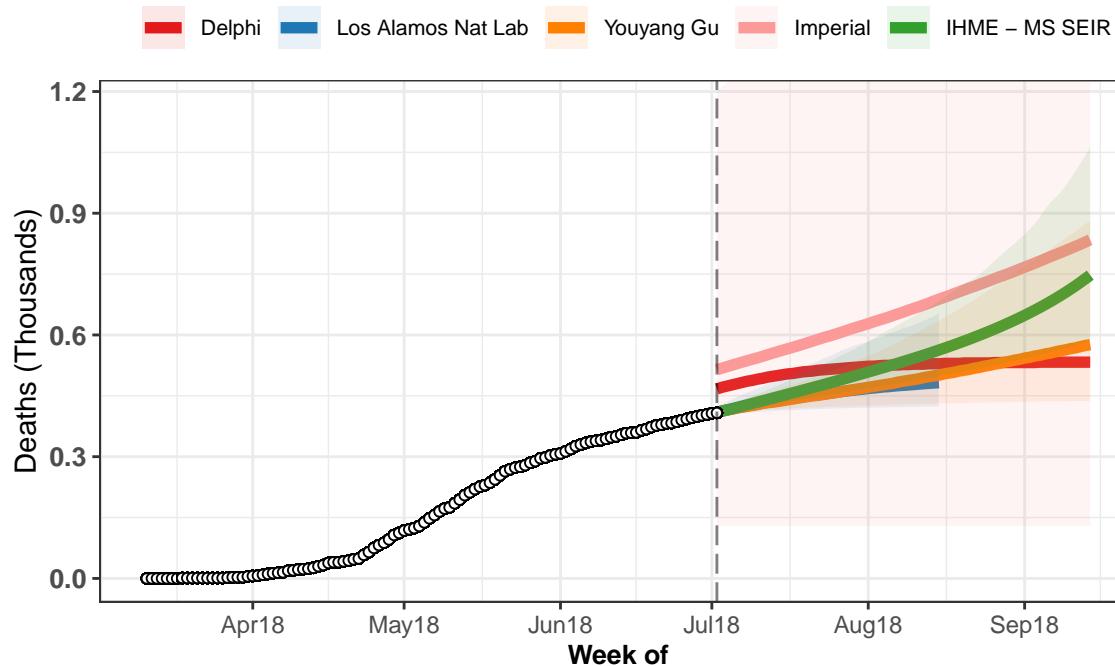


## All Cumulative Errors

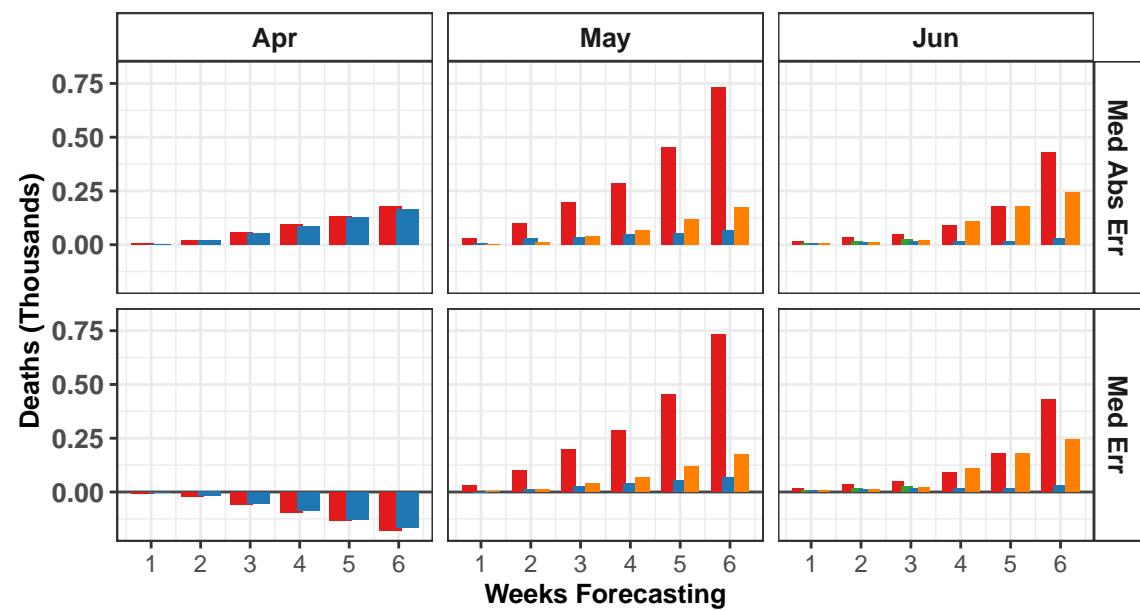


# Kuwait

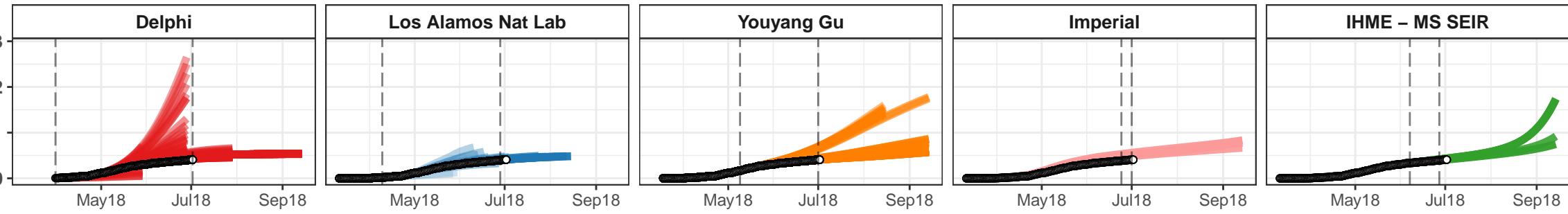
## Current Forecast



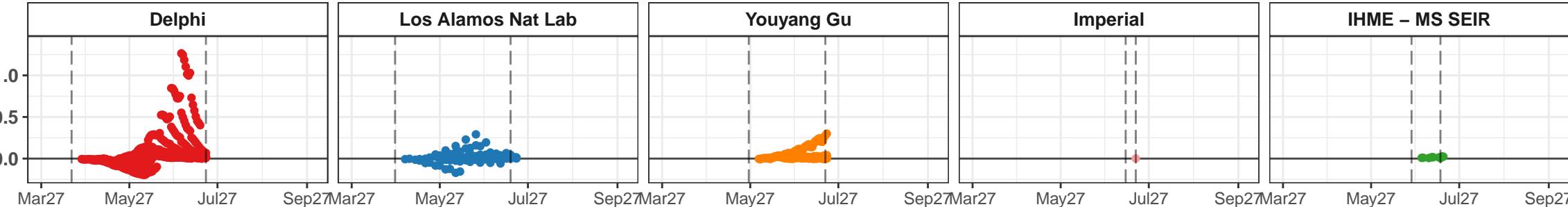
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



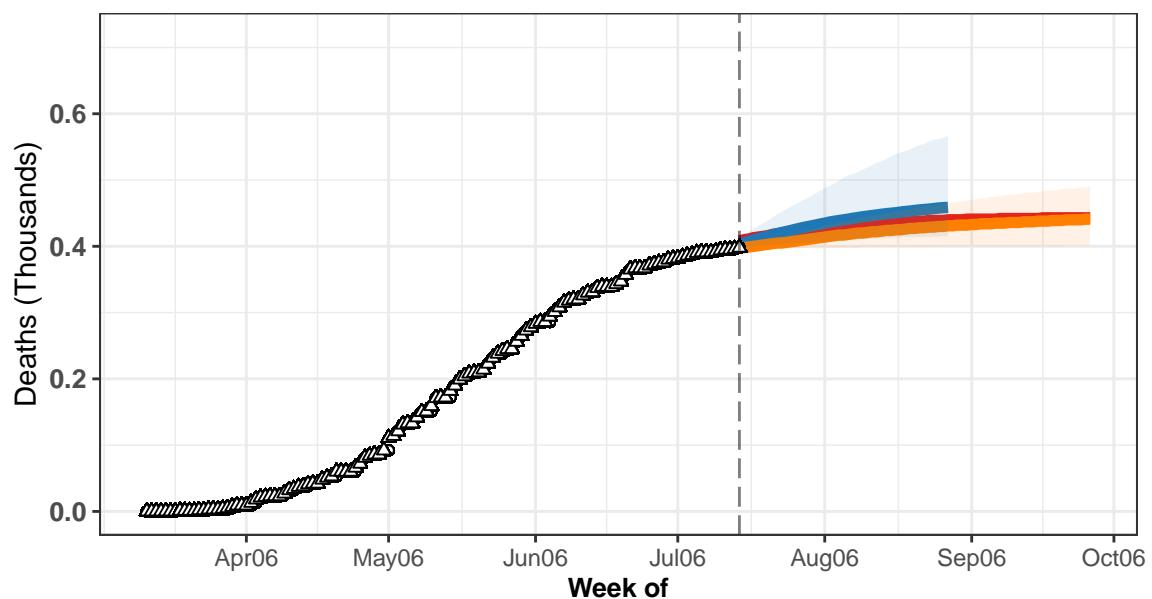
## All Cumulative Errors



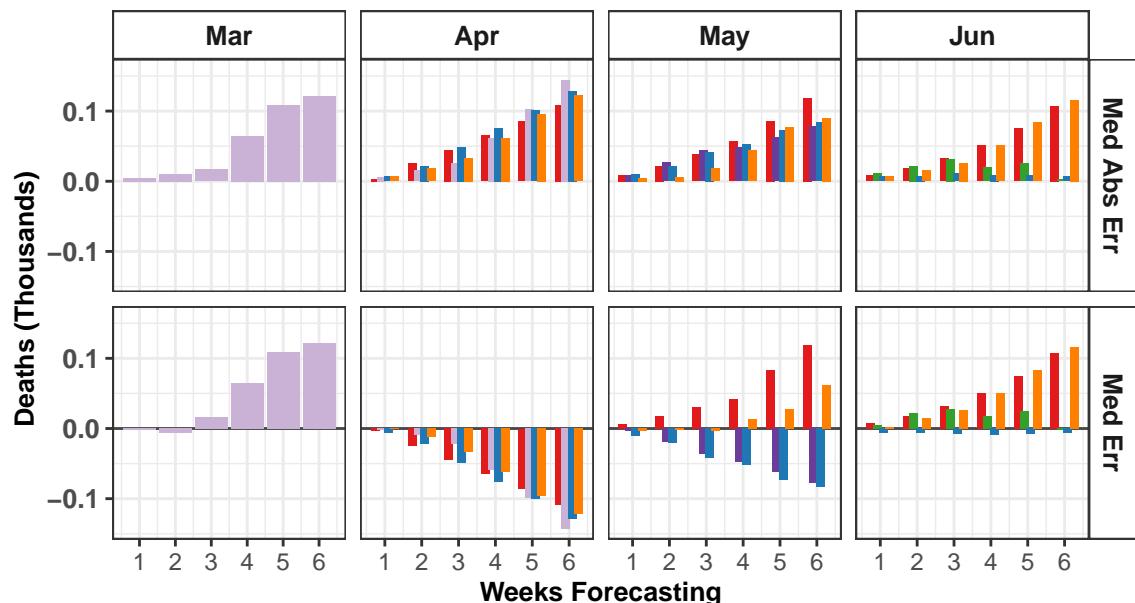
# New Hampshire

## Current Forecast

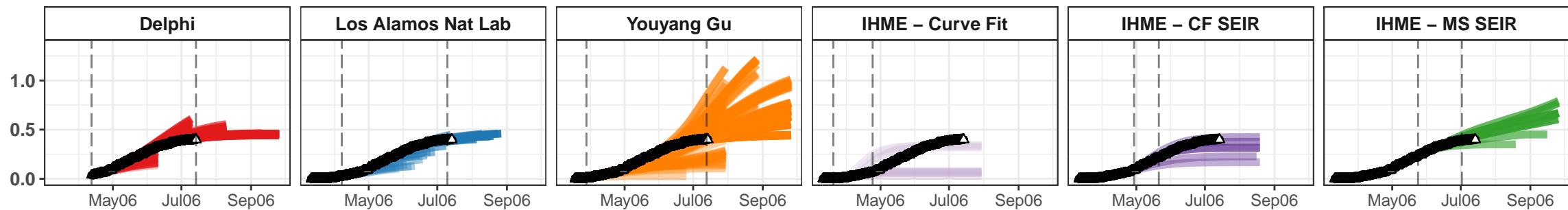
Delphi   Los Alamos Nat Lab   Youyang Gu   JHU   NYT



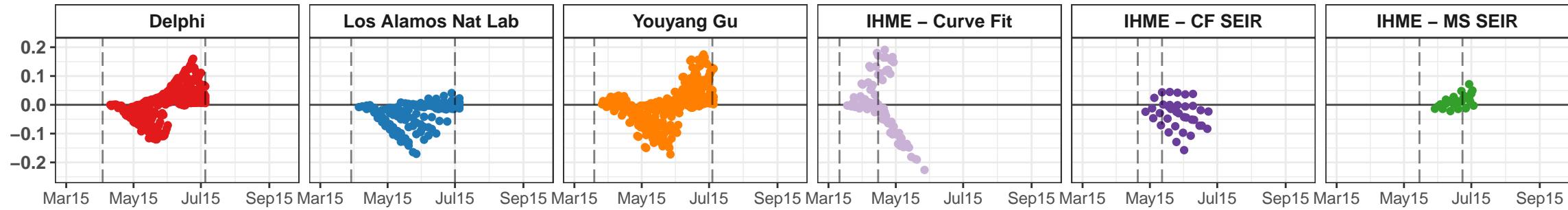
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

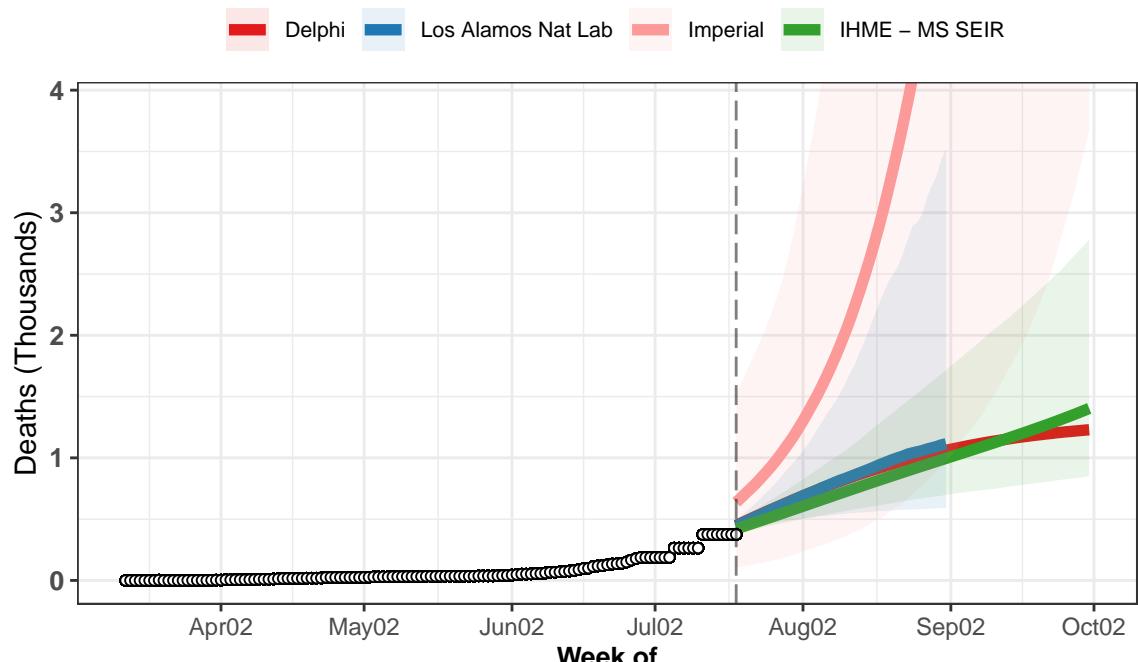


## All Cumulative Errors

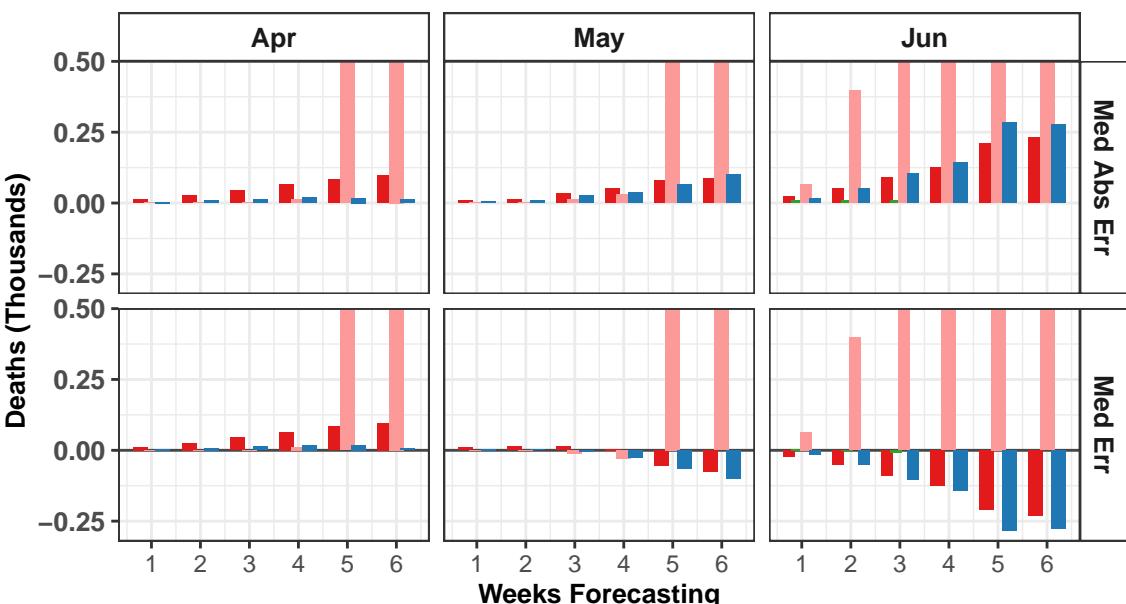


# Kazakhstan

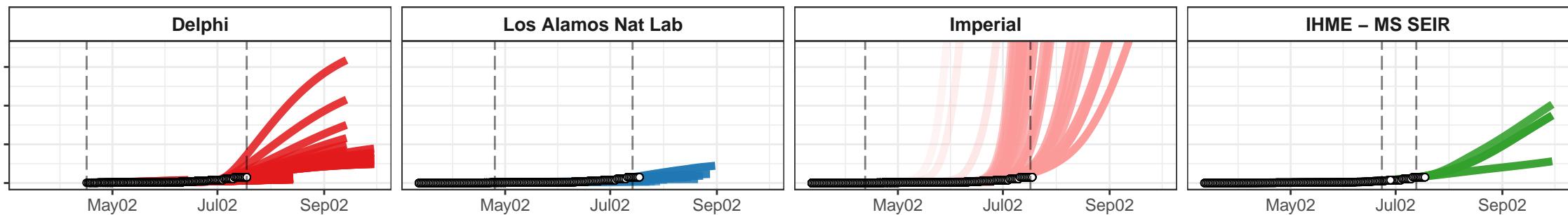
## Current Forecast



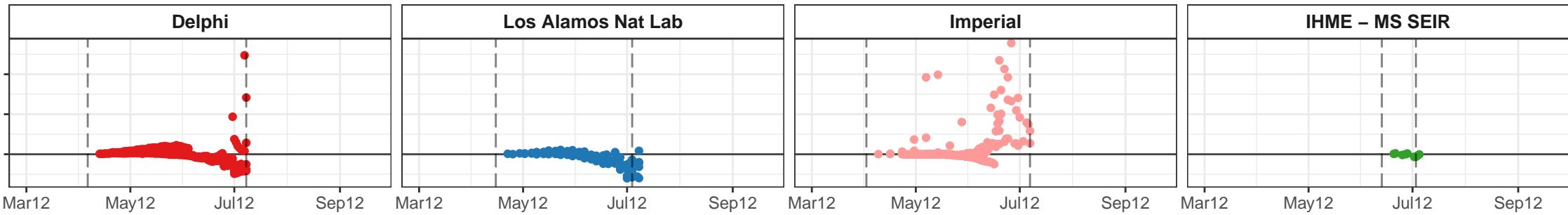
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



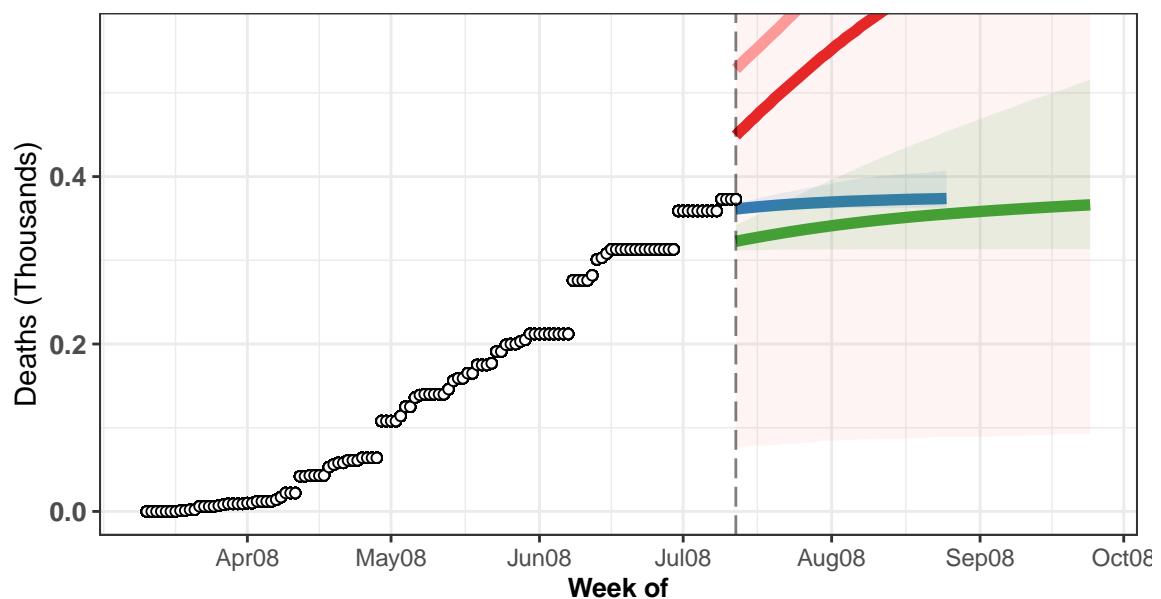
## All Cumulative Errors



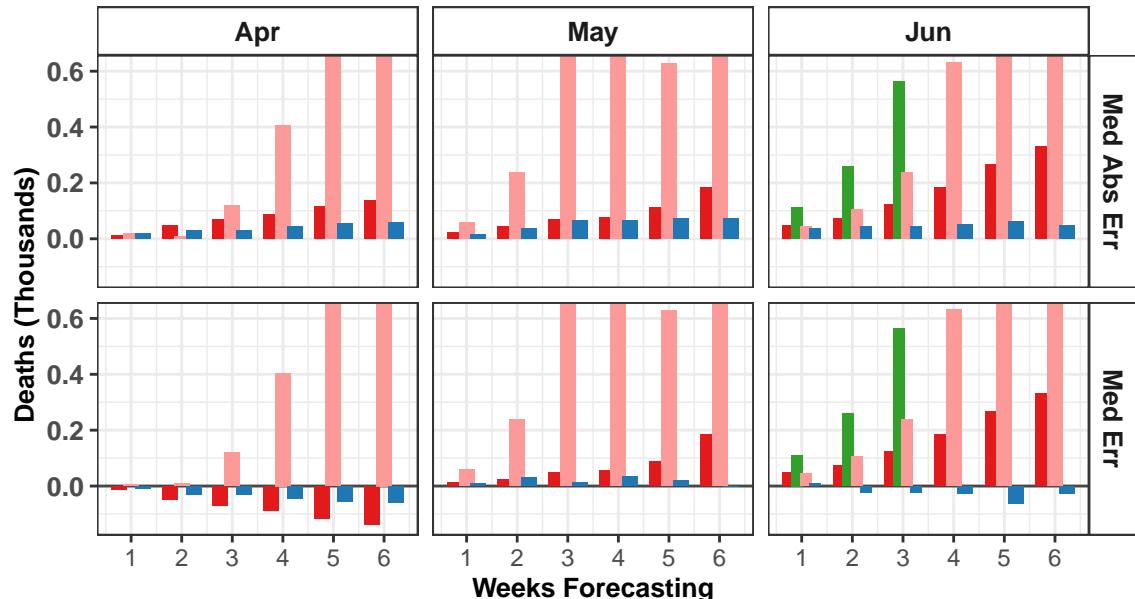
# Cameroon

## Current Forecast

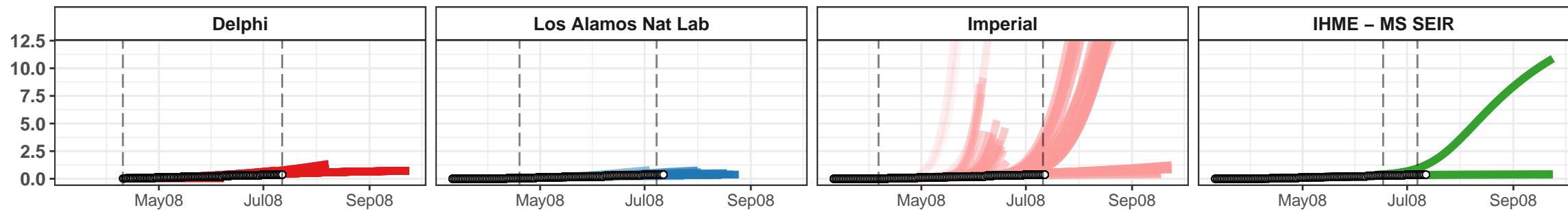
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



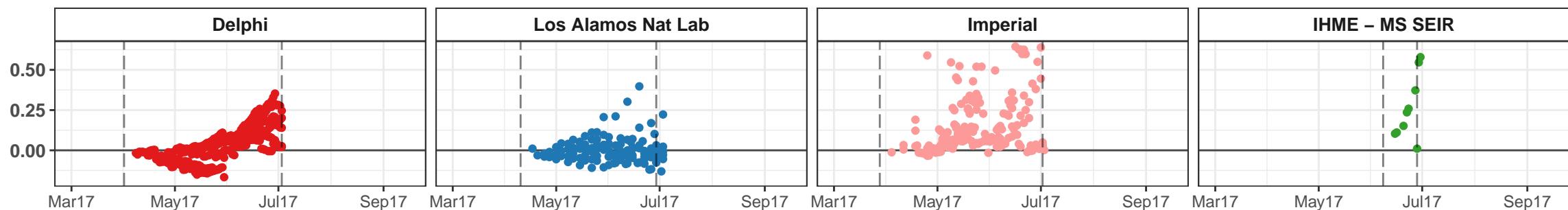
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

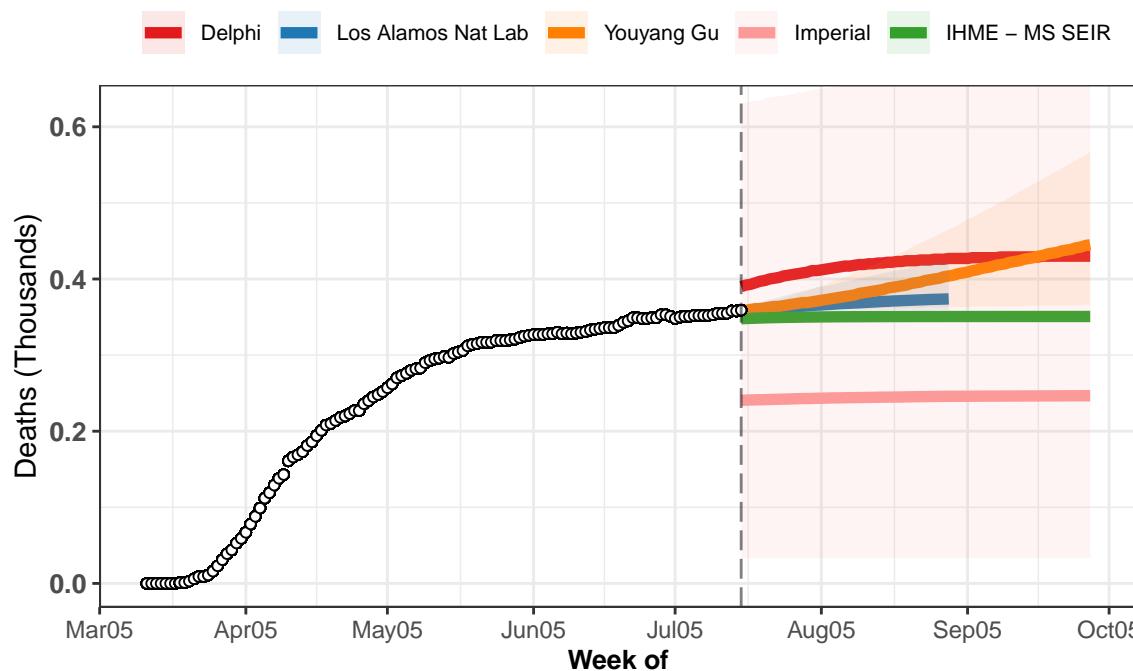


## All Cumulative Errors

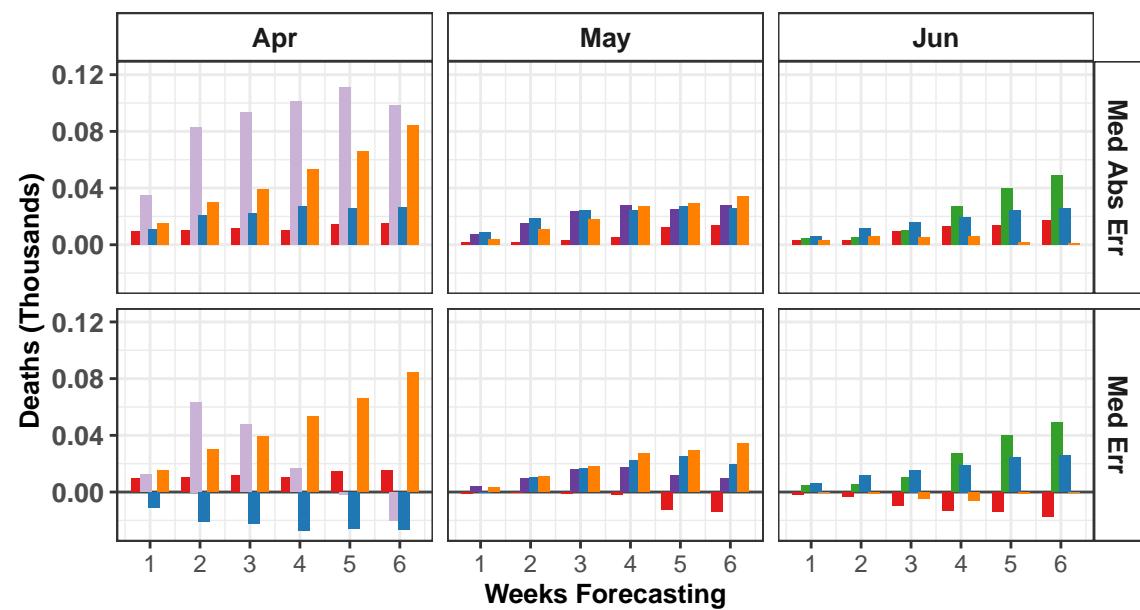


# Czech Republic

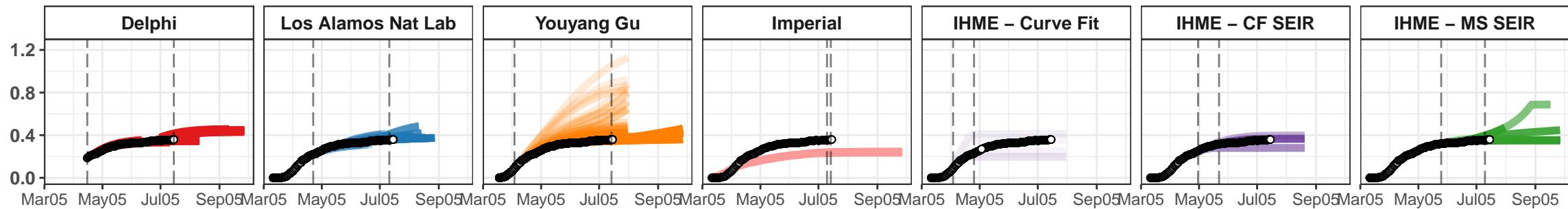
## Current Forecast



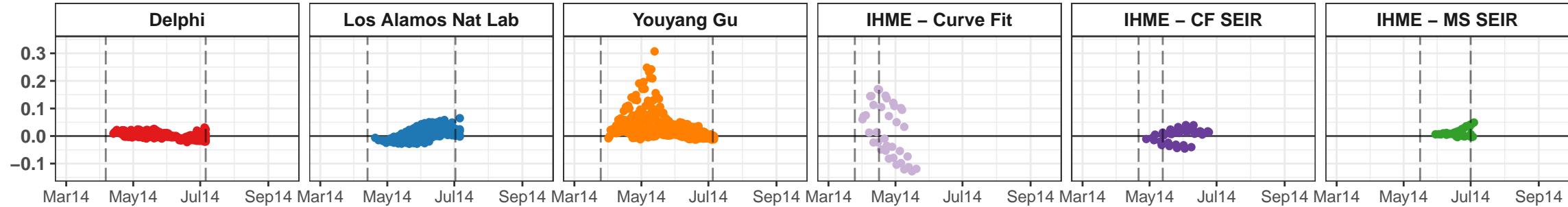
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



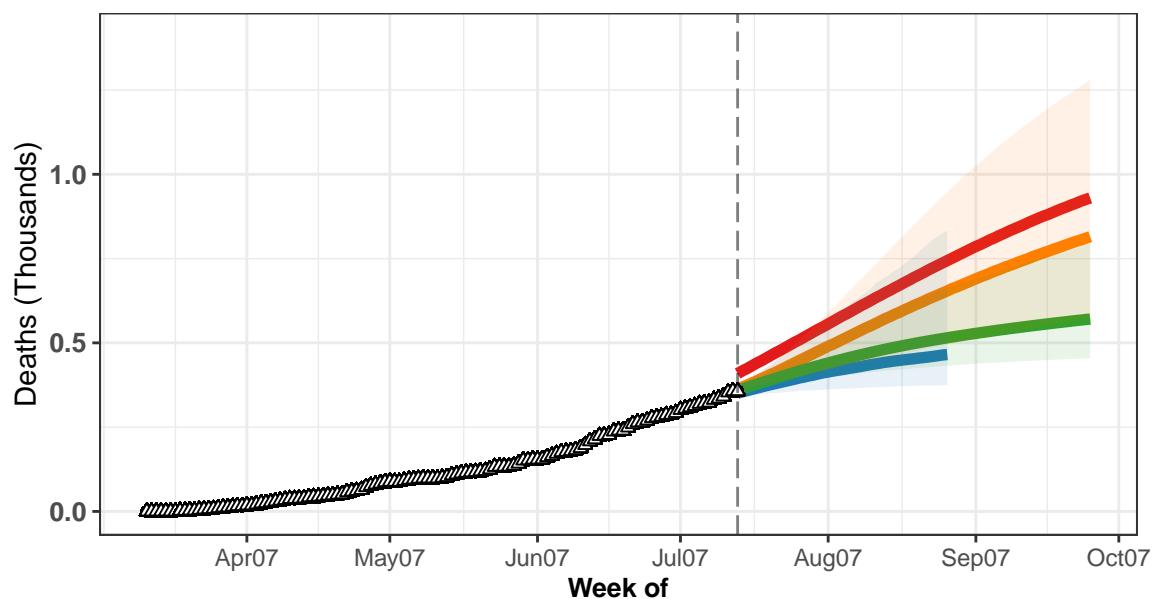
## All Cumulative Errors



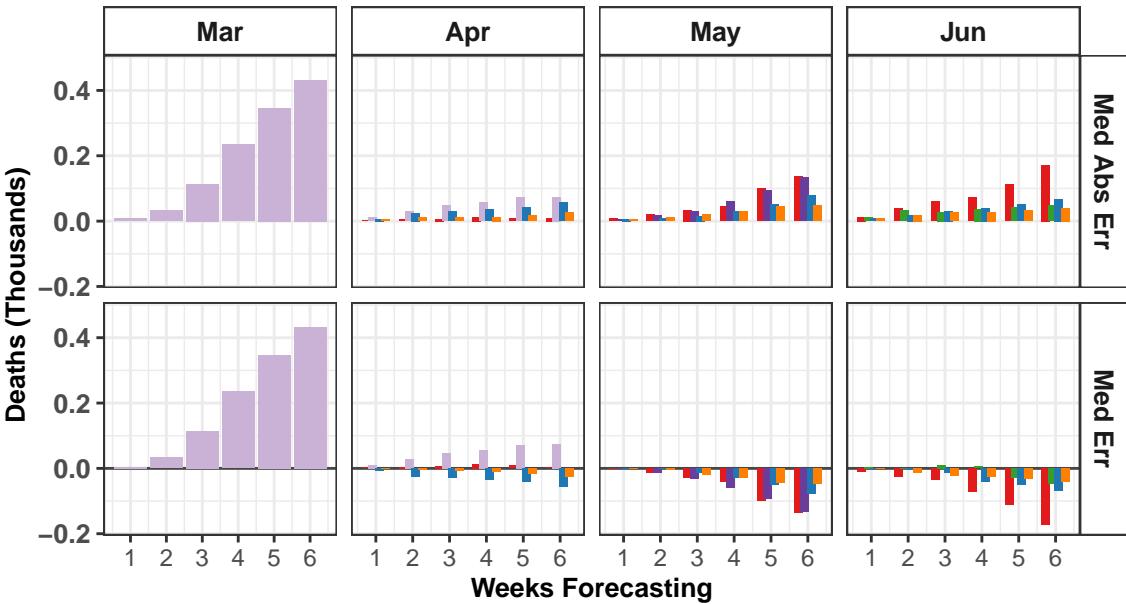
# Arkansas

## Current Forecast

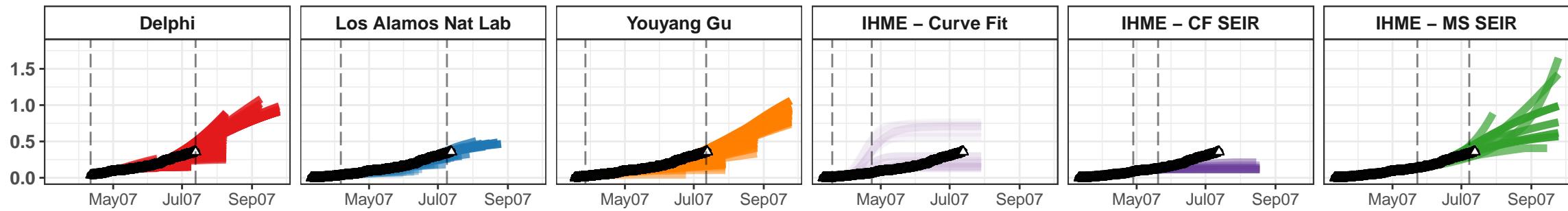
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



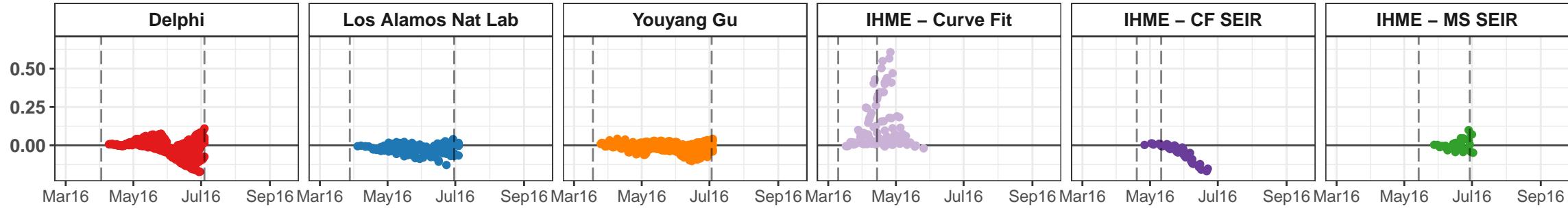
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

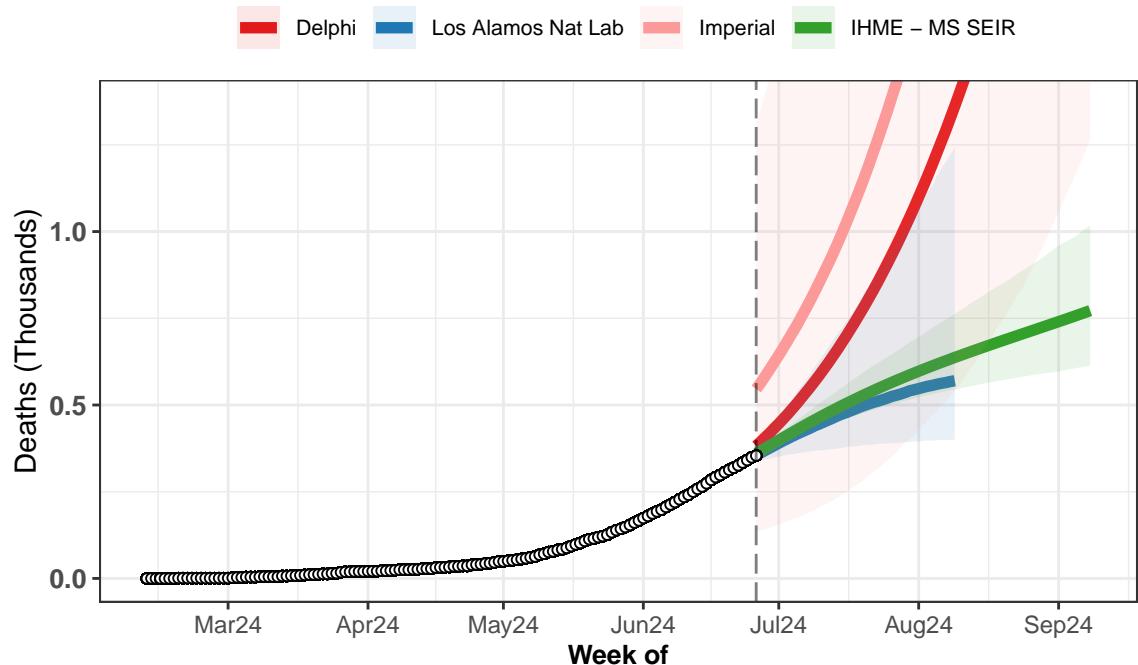


## All Cumulative Errors

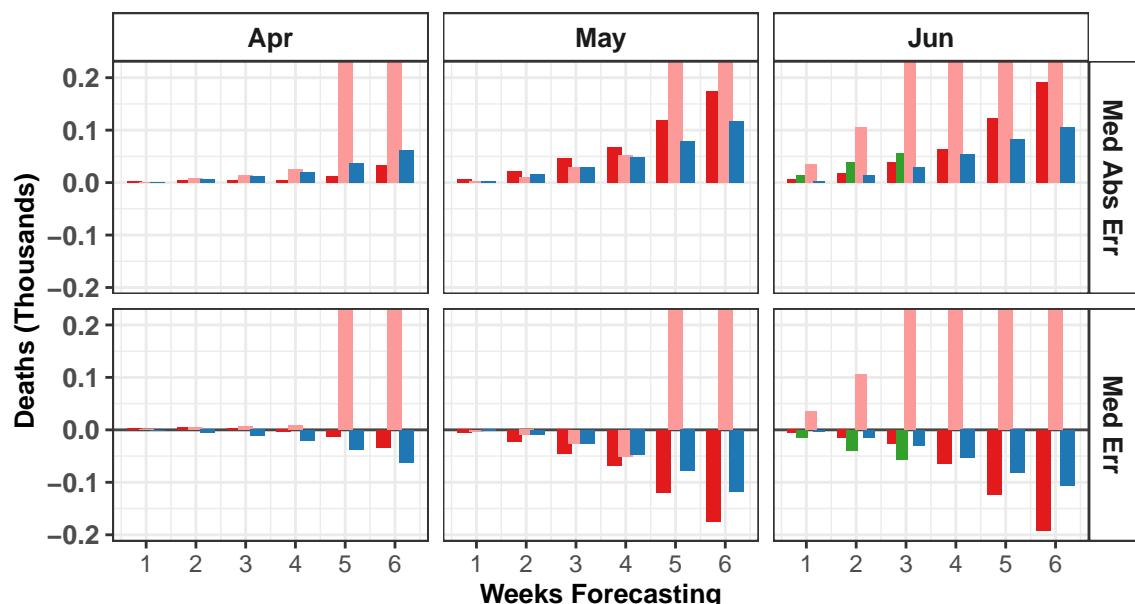


# Azerbaijan

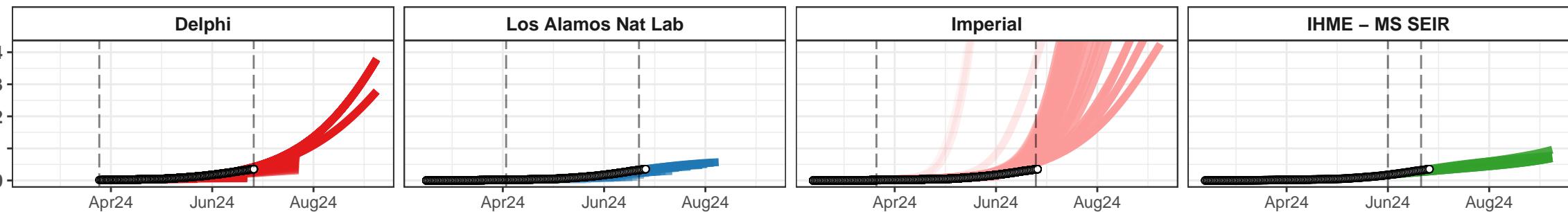
## Current Forecast



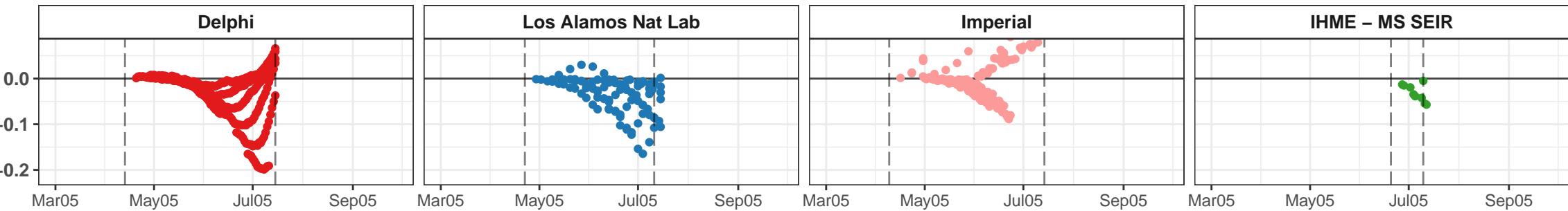
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

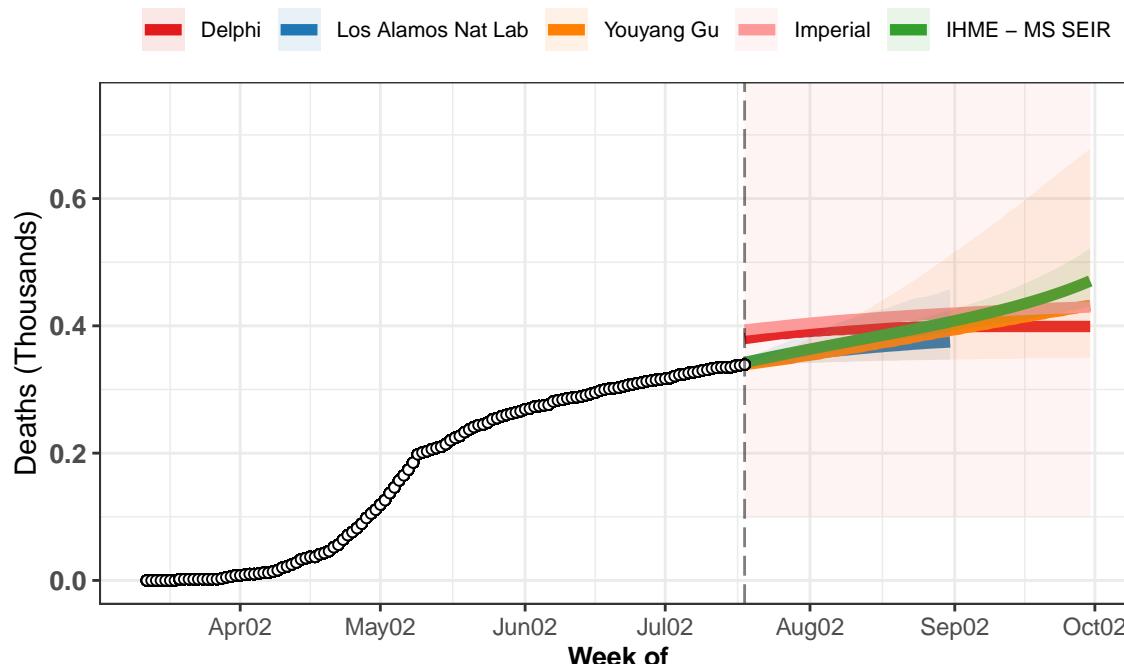


## All Cumulative Errors

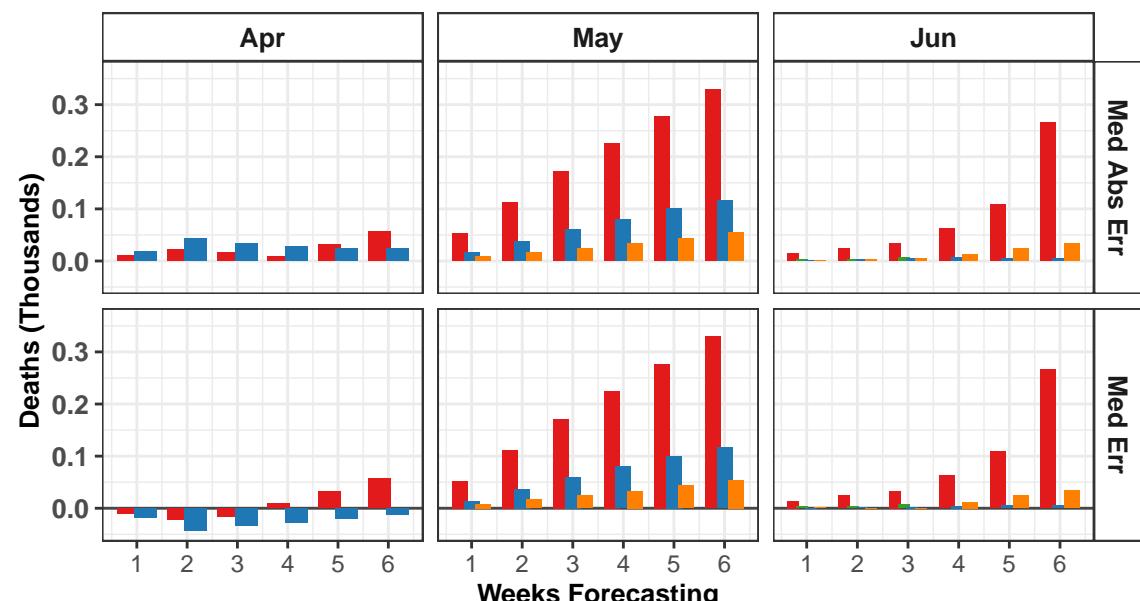


# United Arab Emirates

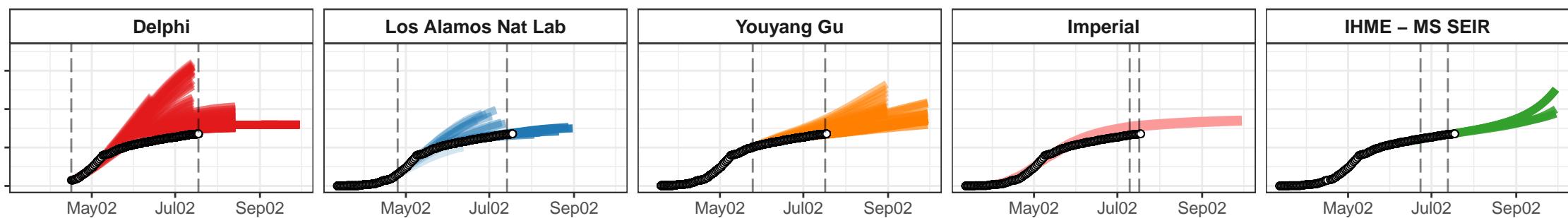
## Current Forecast



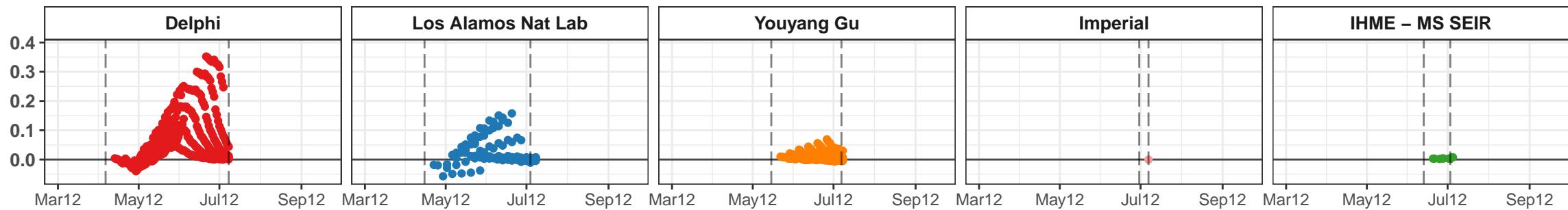
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



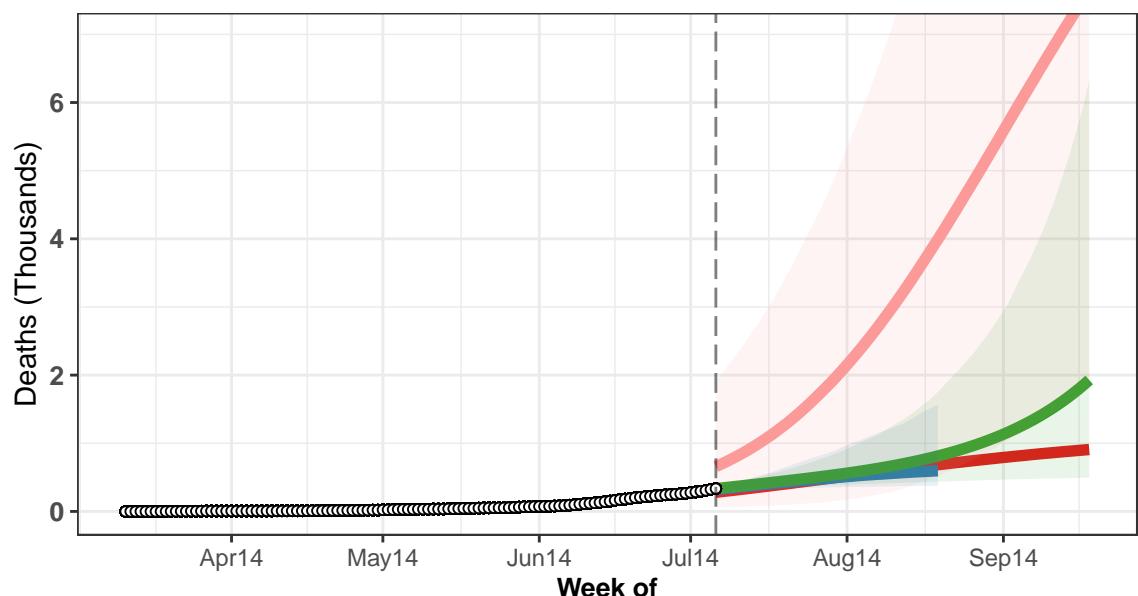
## All Cumulative Errors



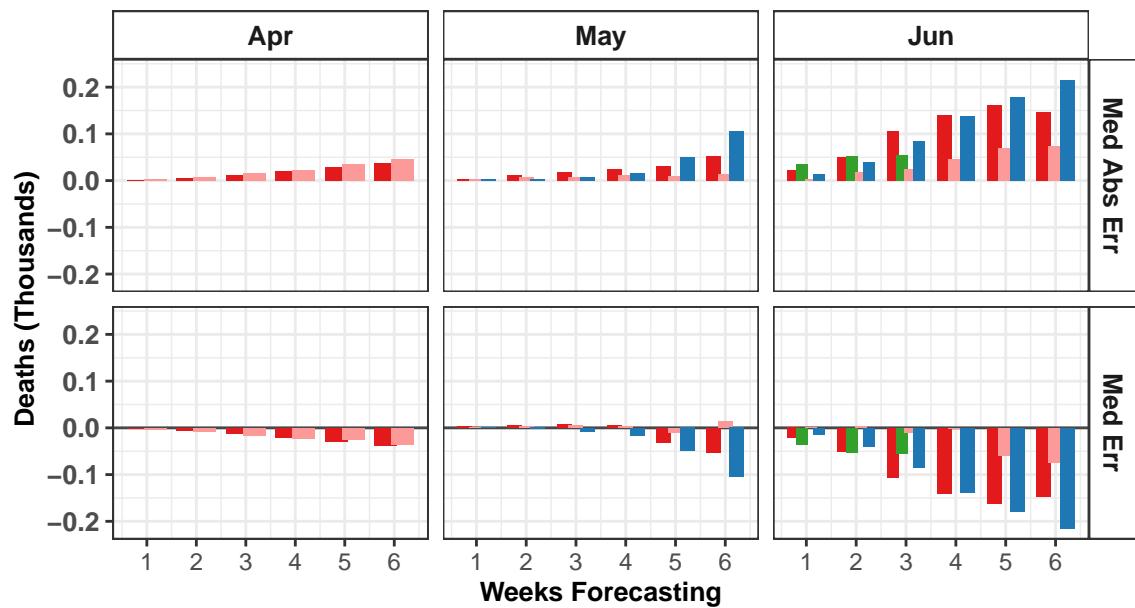
# El Salvador

## Current Forecast

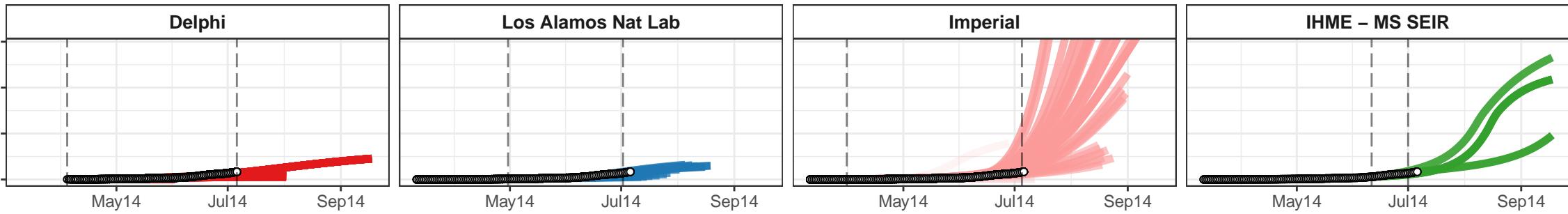
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



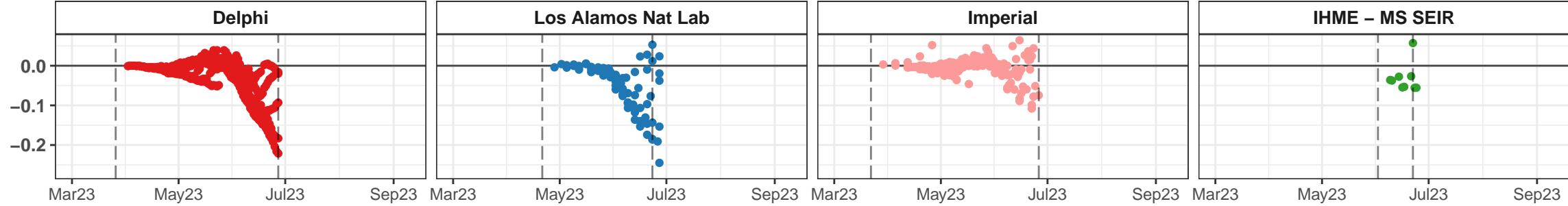
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



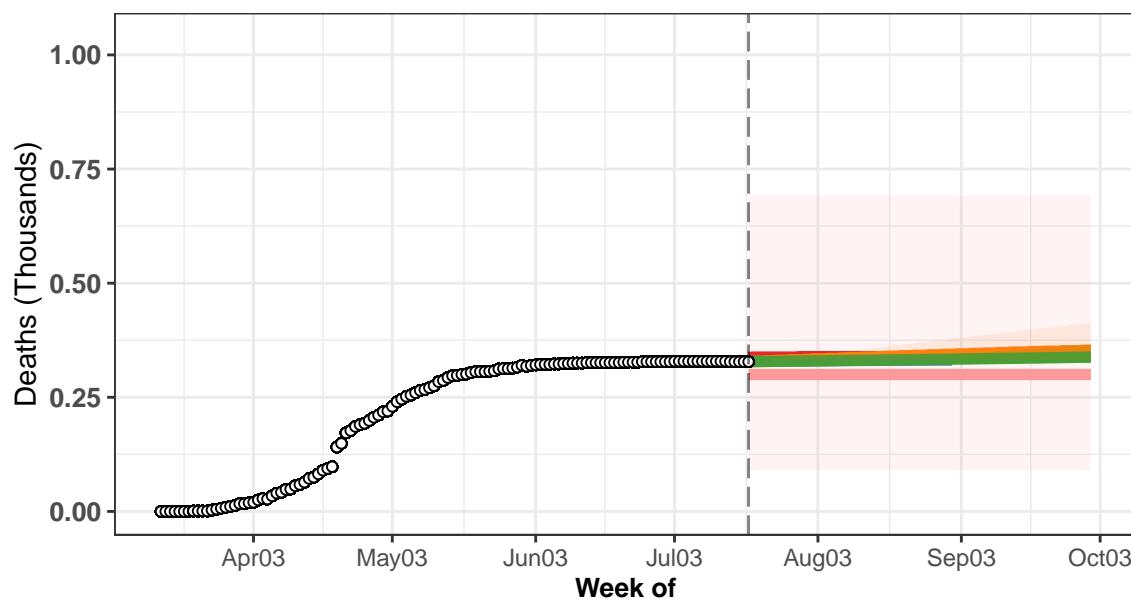
## All Cumulative Errors



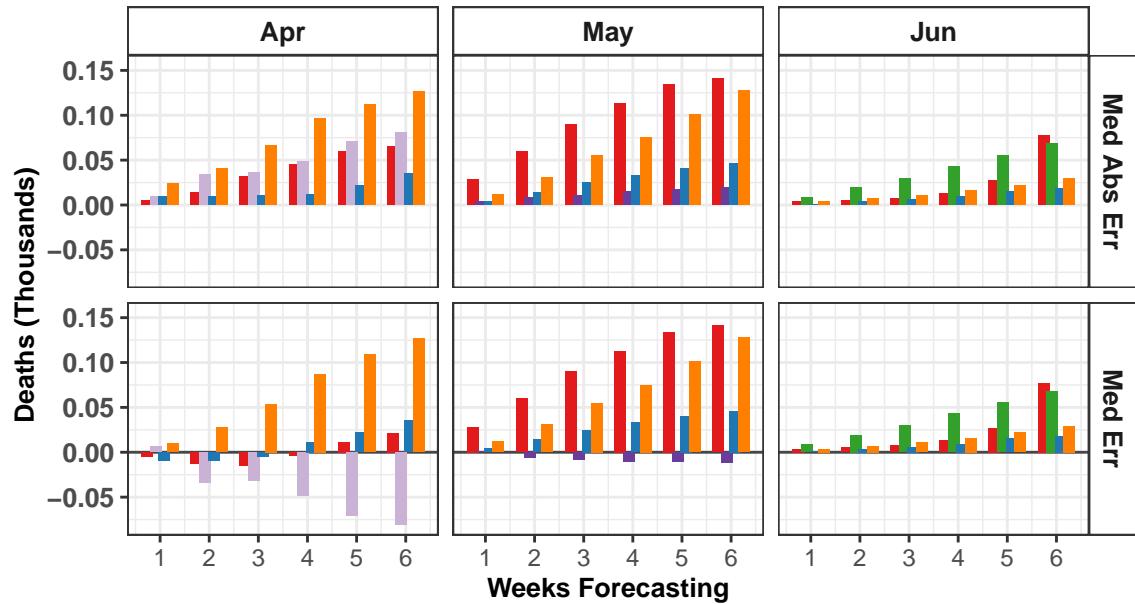
# Finland

## Current Forecast

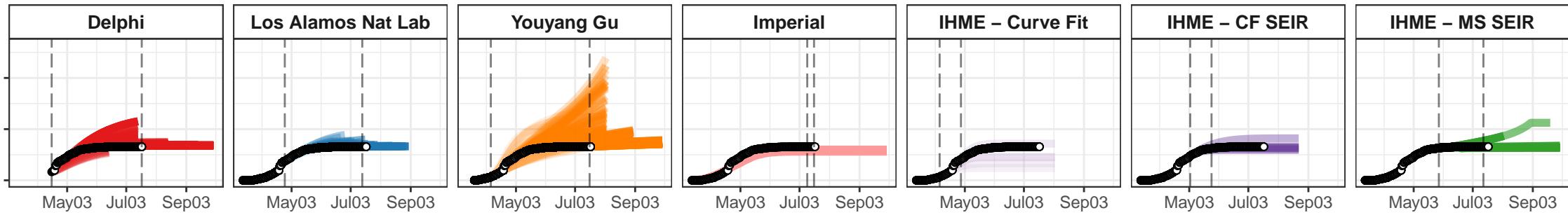
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



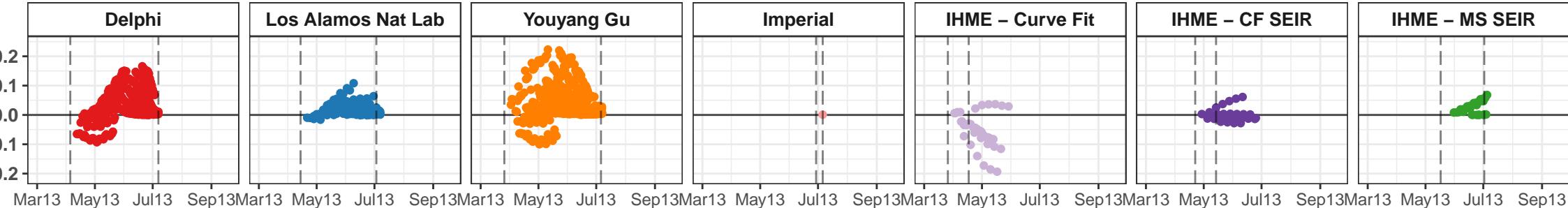
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



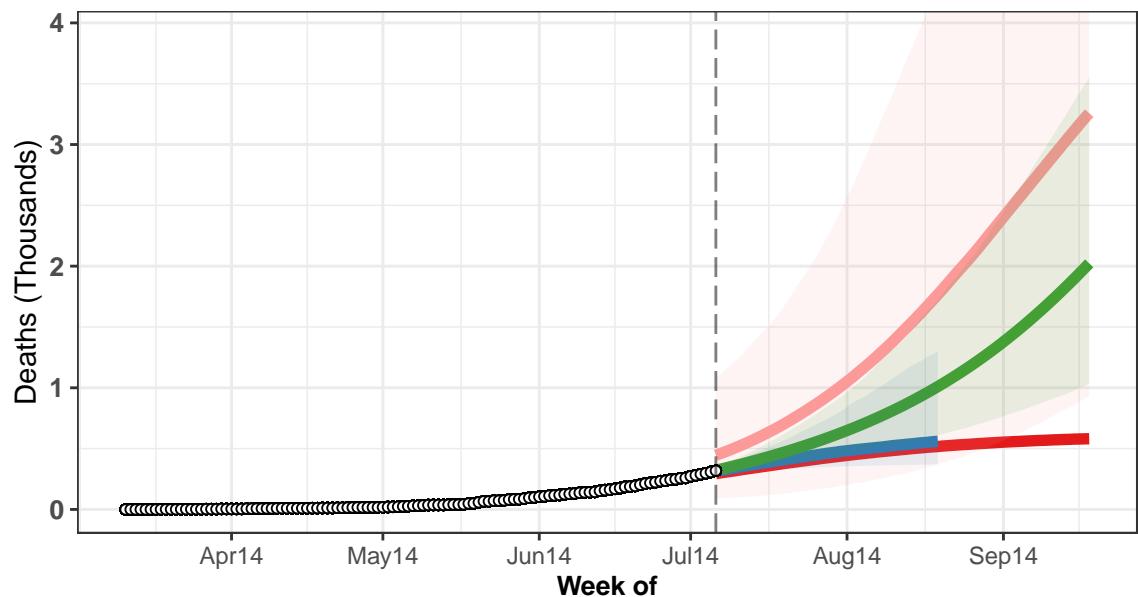
## All Cumulative Errors



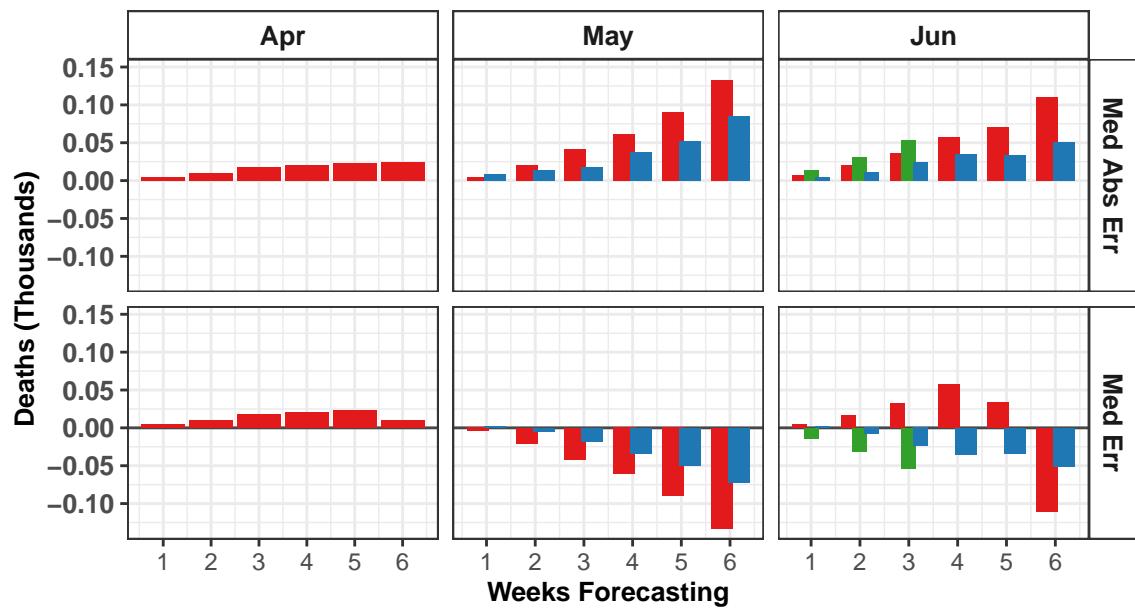
# Oman

## Current Forecast

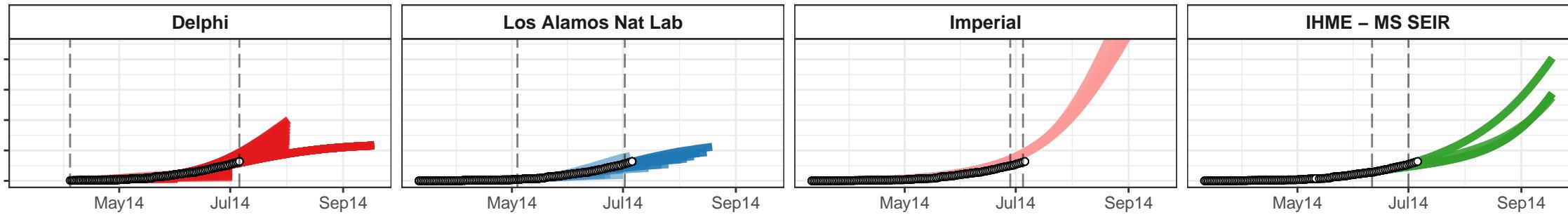
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



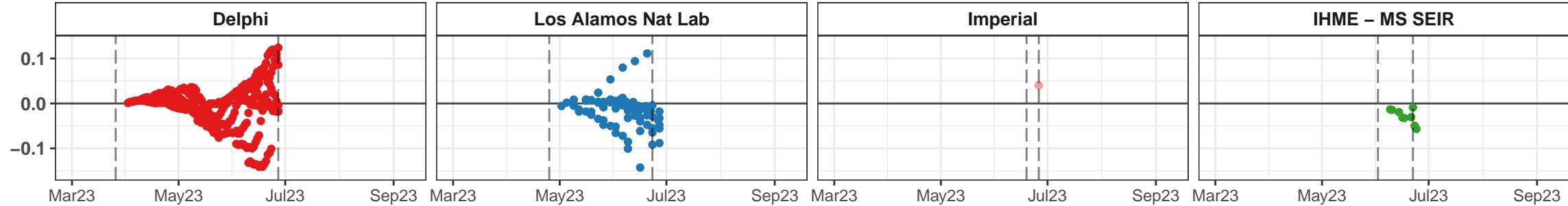
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



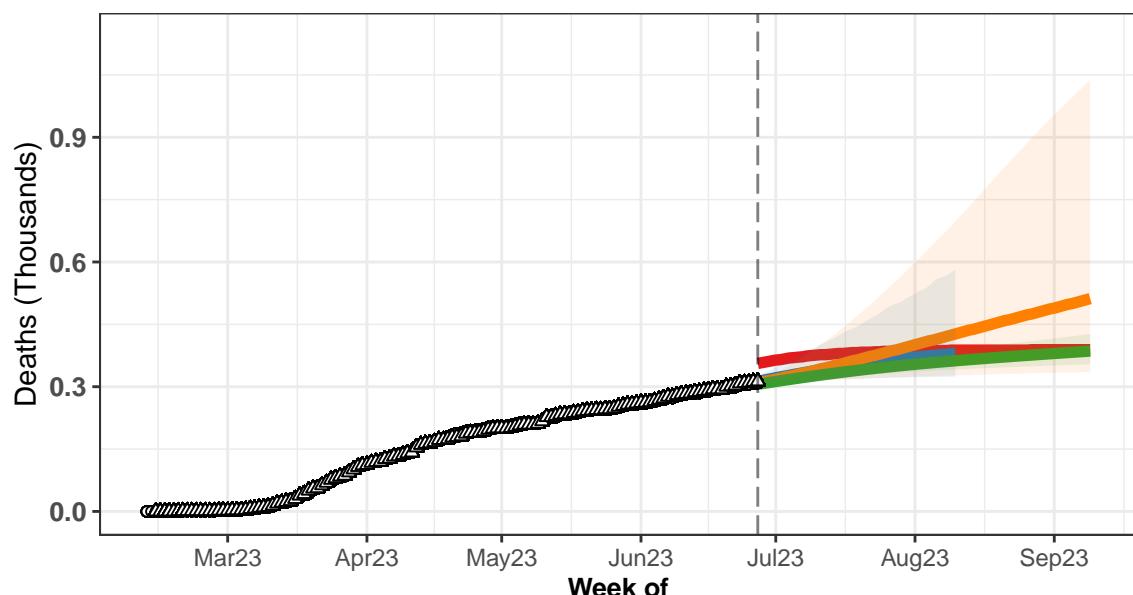
## All Cumulative Errors



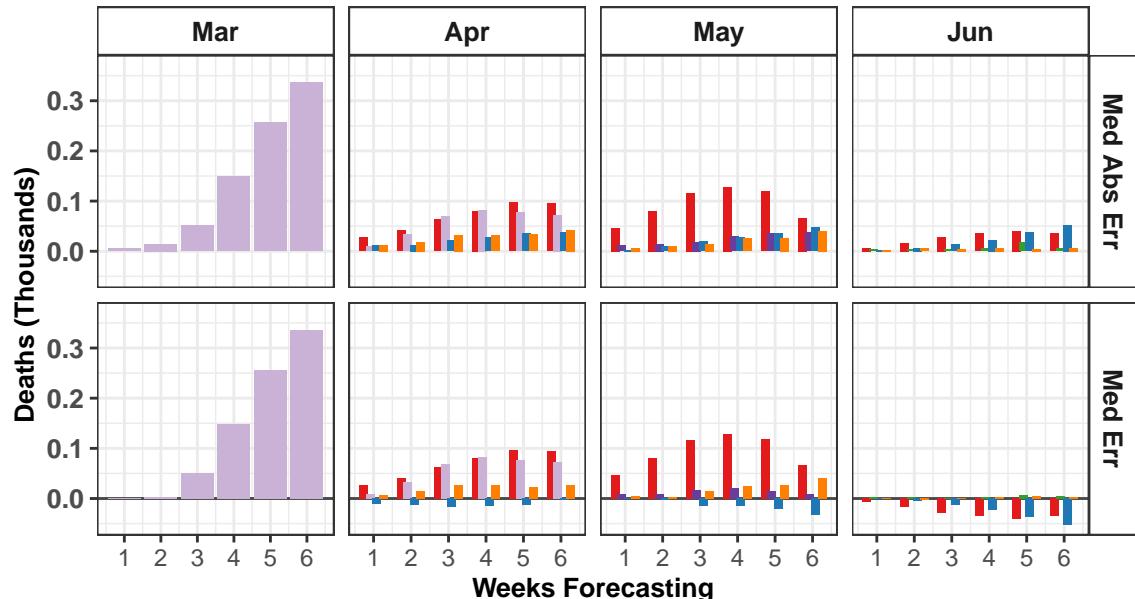
# Kansas

## Current Forecast

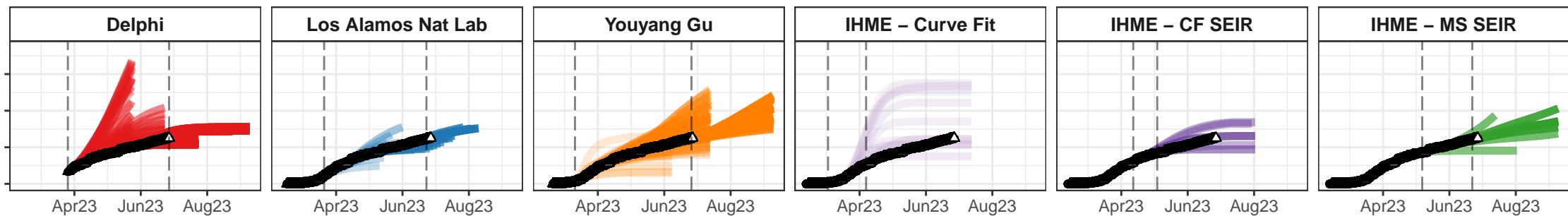
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



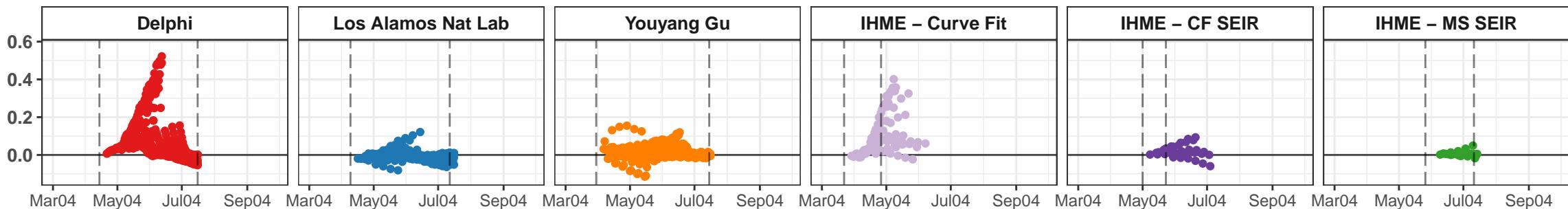
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



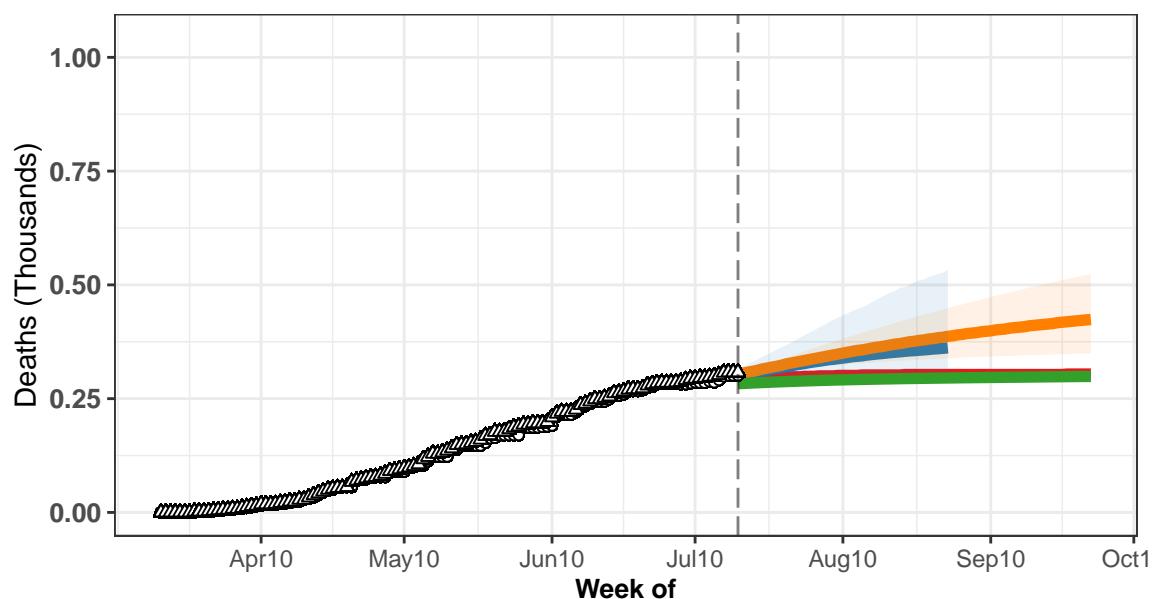
## All Cumulative Errors



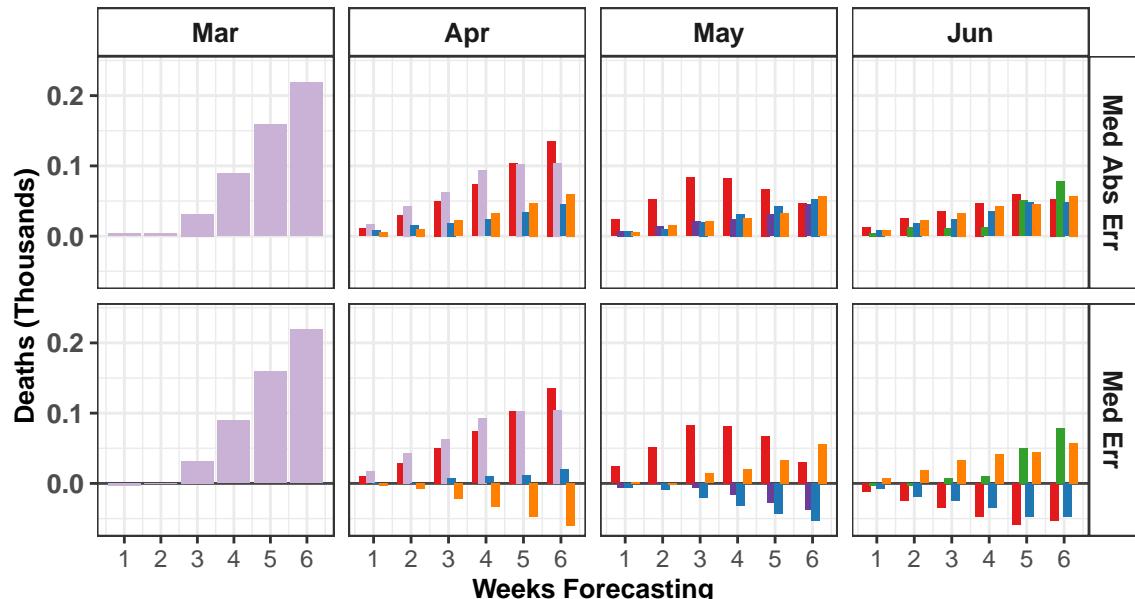
# Nebraska

## Current Forecast

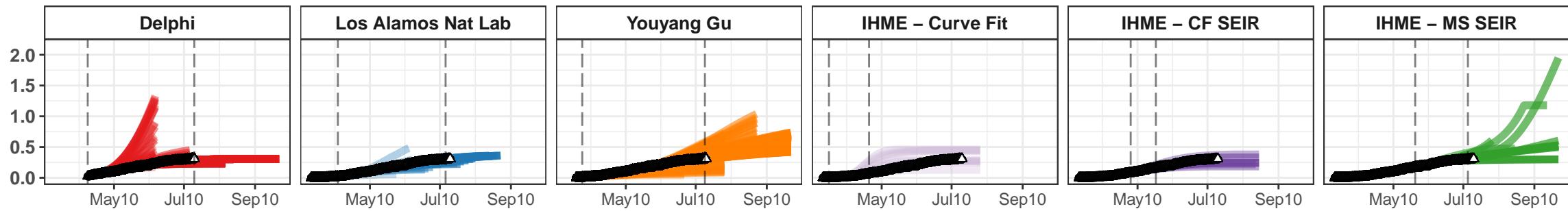
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NY



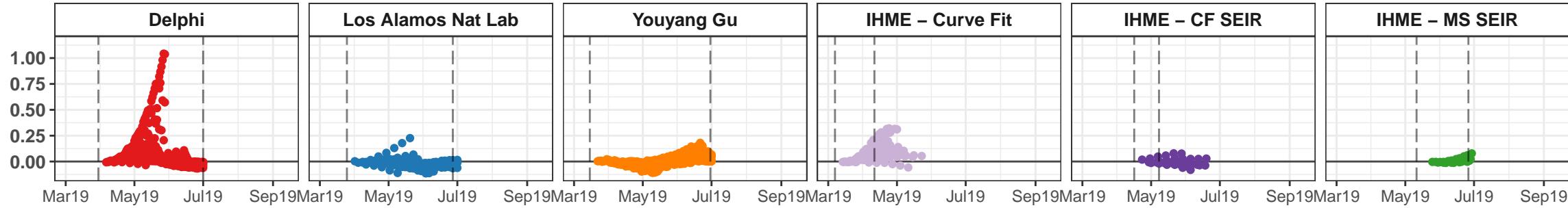
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

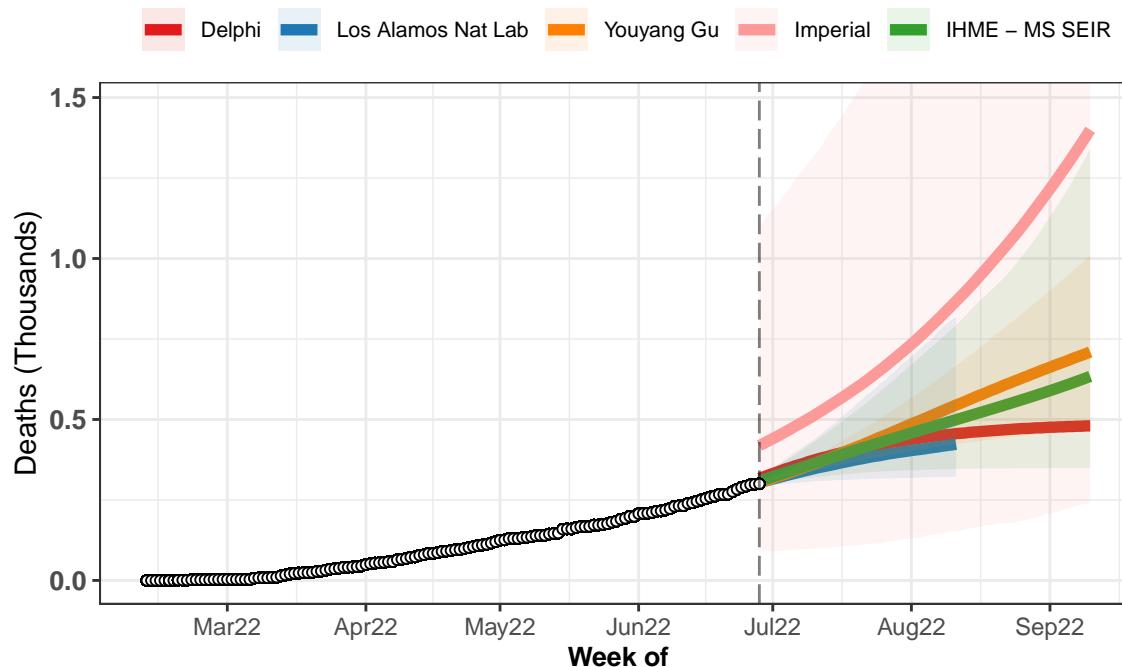


## All Cumulative Errors

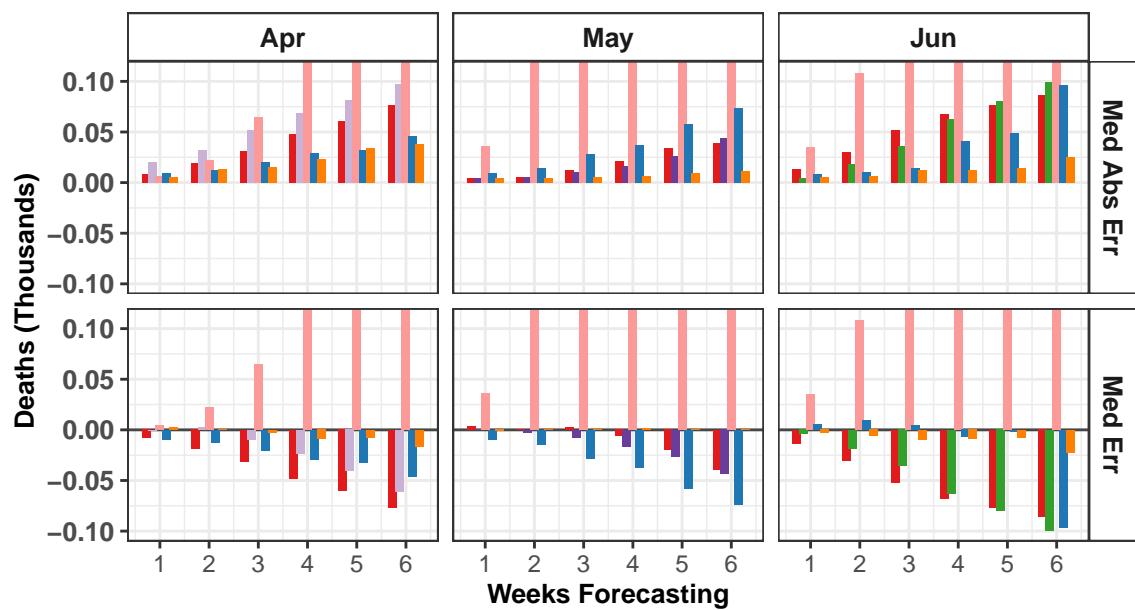


# Bulgaria

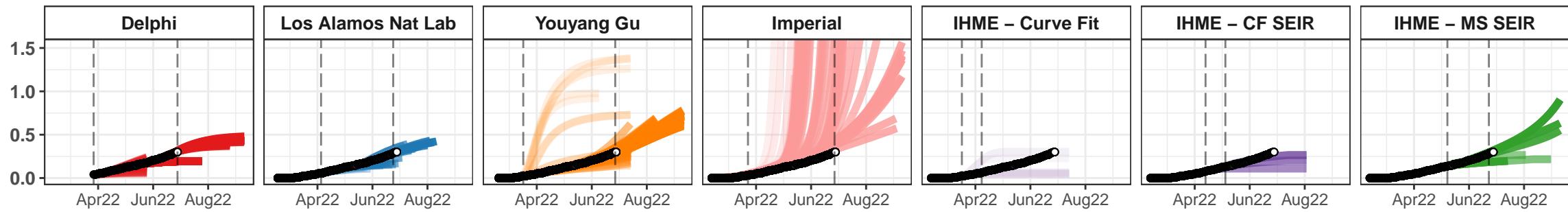
## Current Forecast



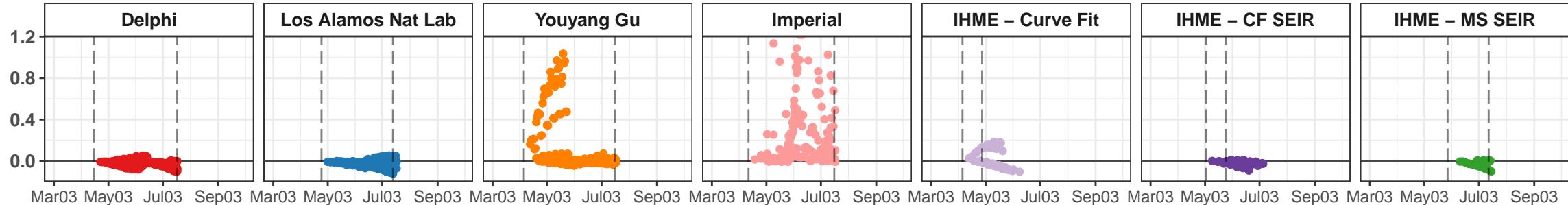
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



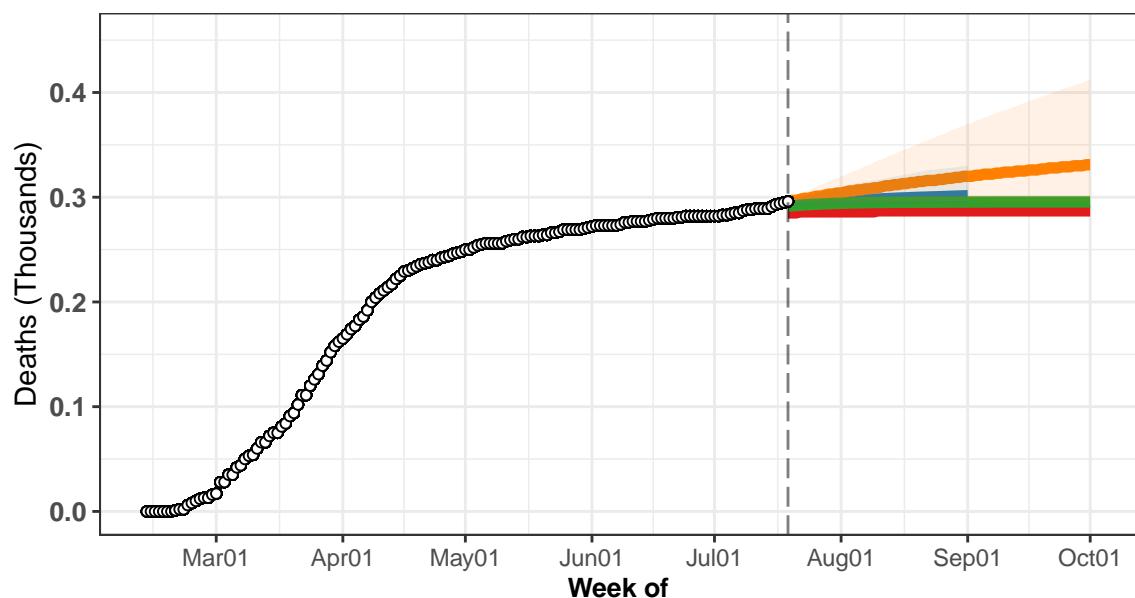
## All Cumulative Errors



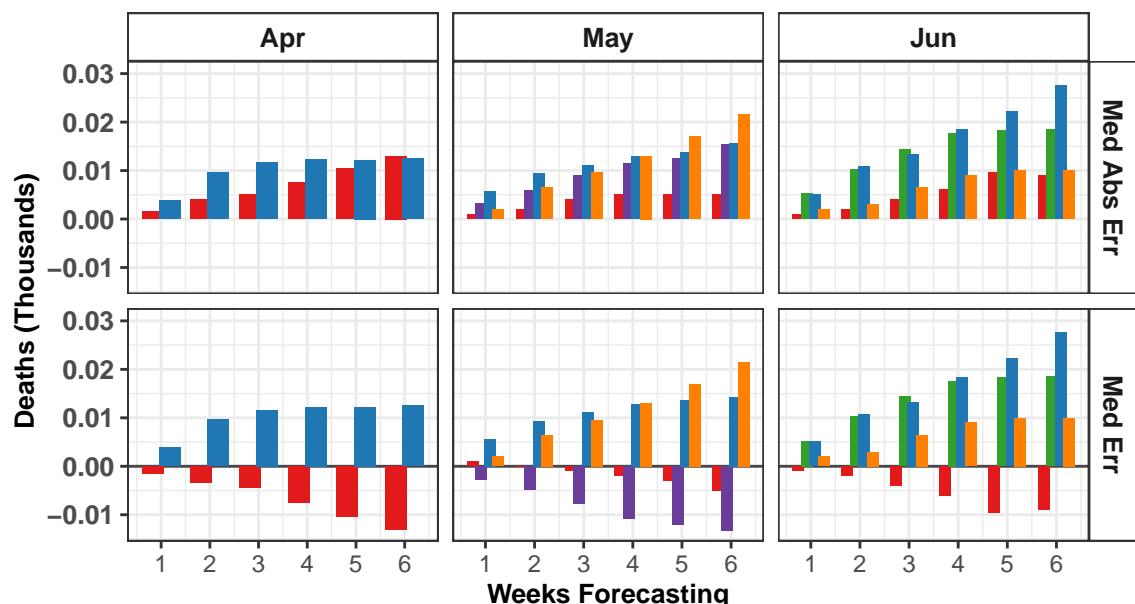
# South Korea

## Current Forecast

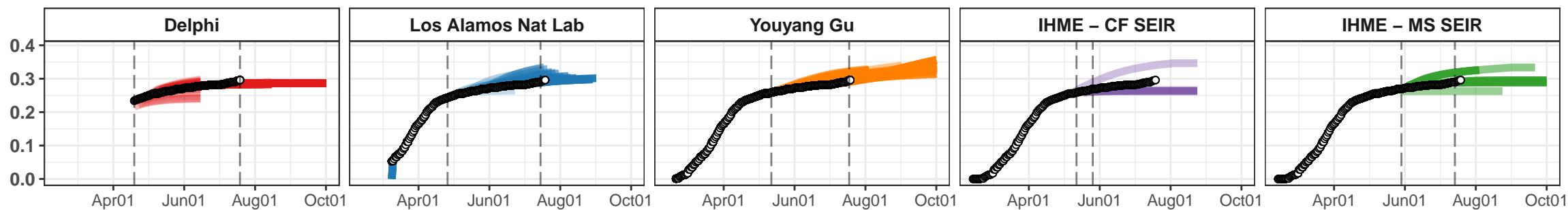
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR



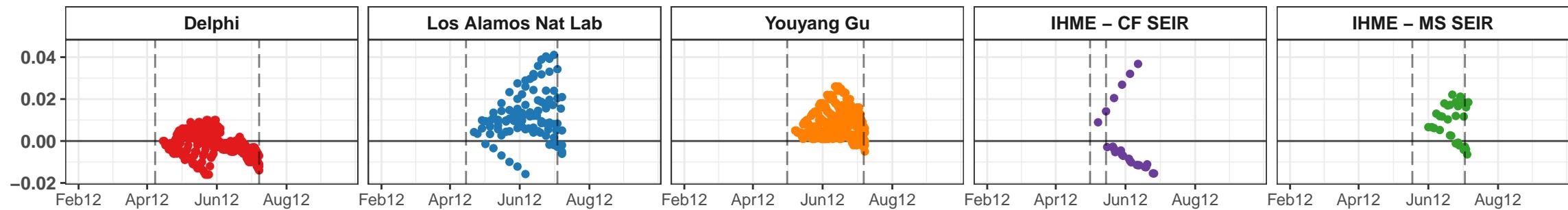
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

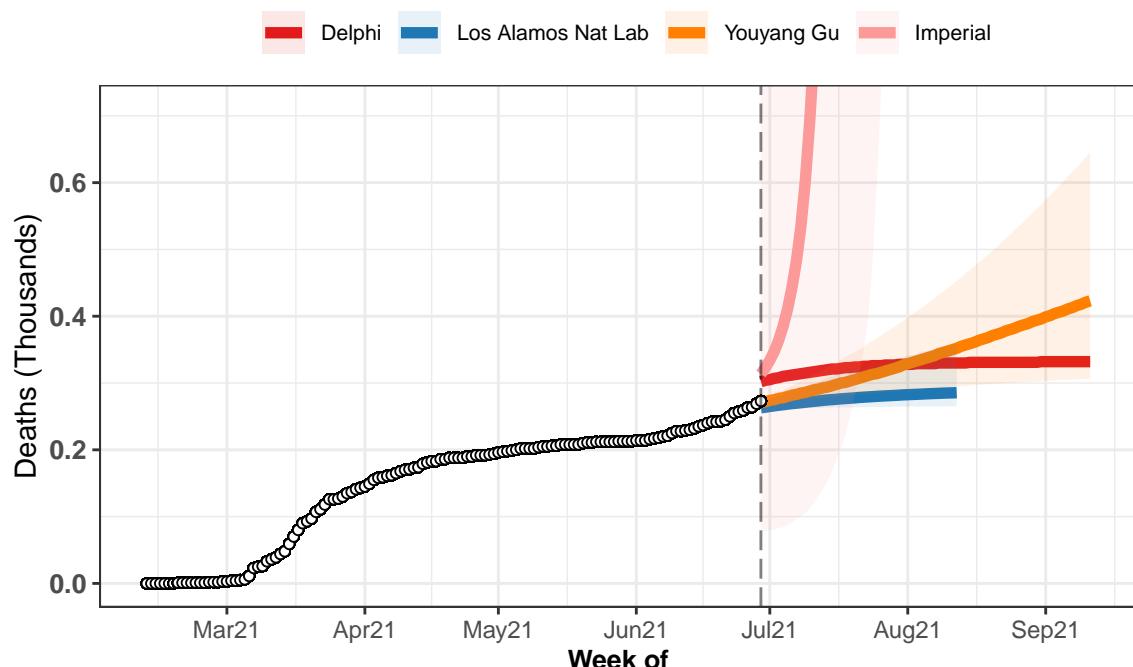


## All Cumulative Errors

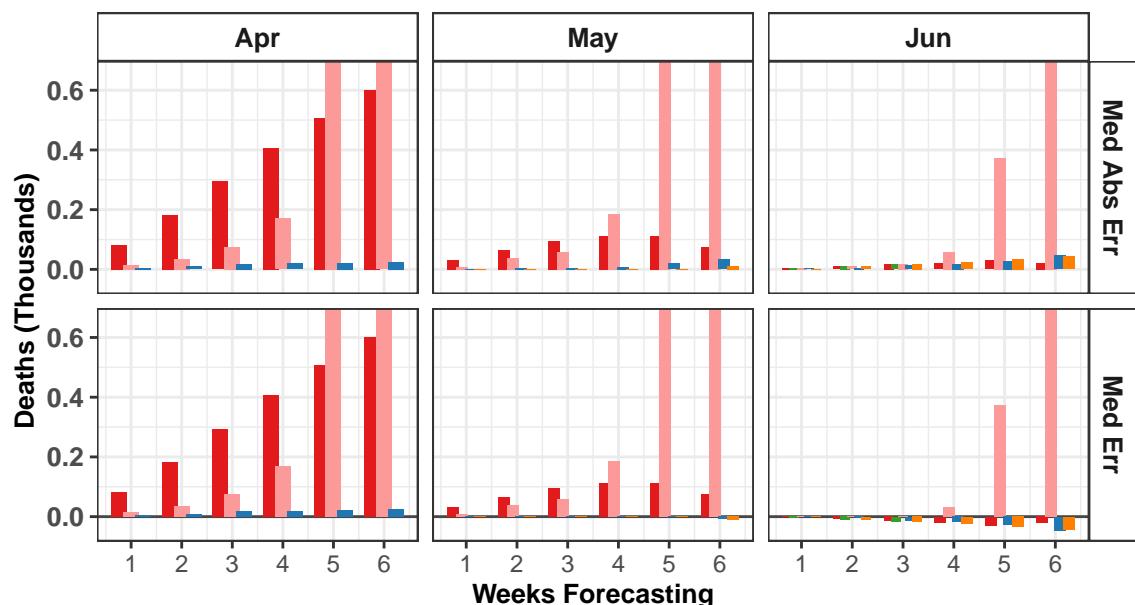


# Morocco

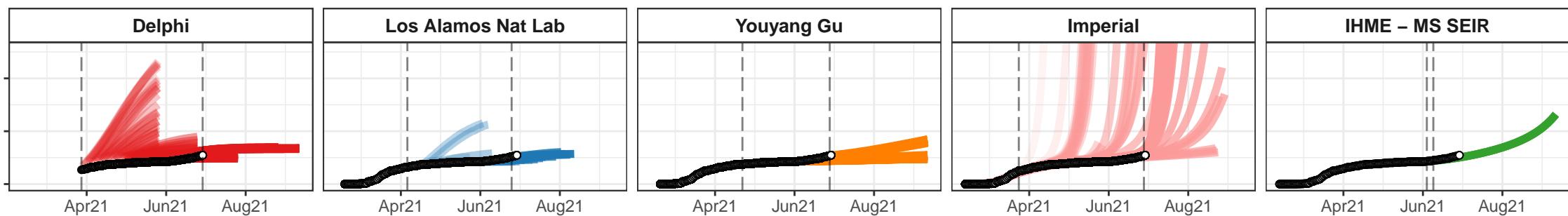
## Current Forecast



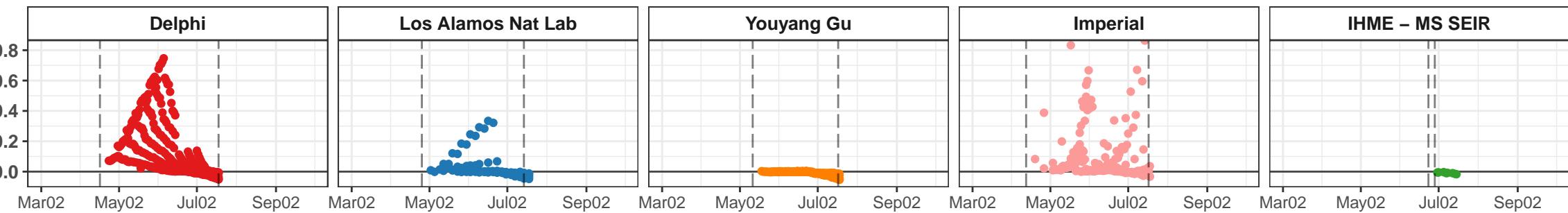
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



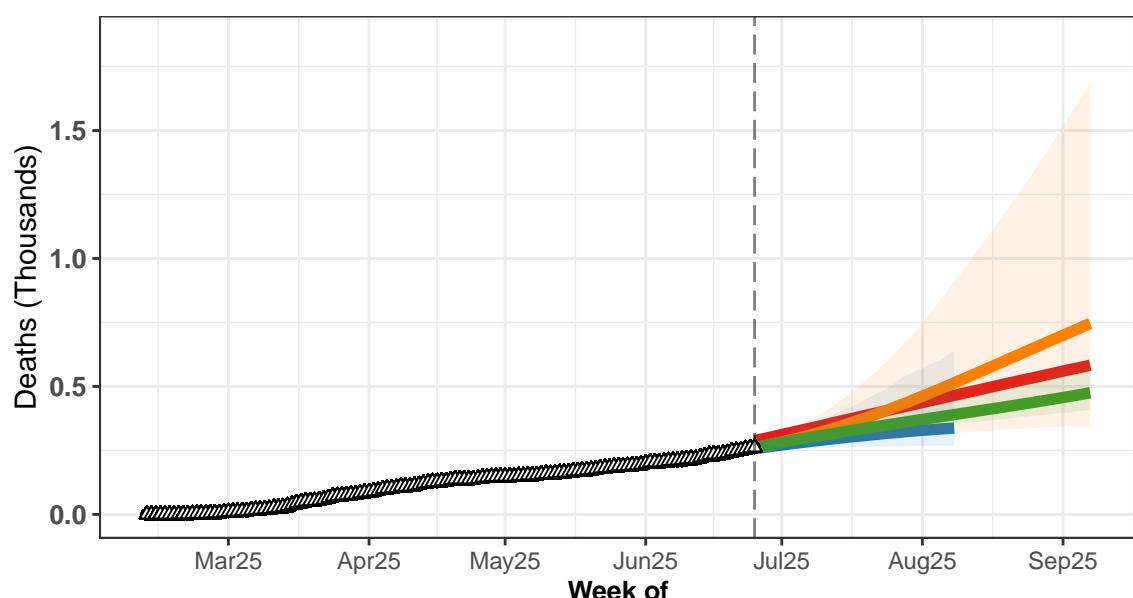
## All Cumulative Errors



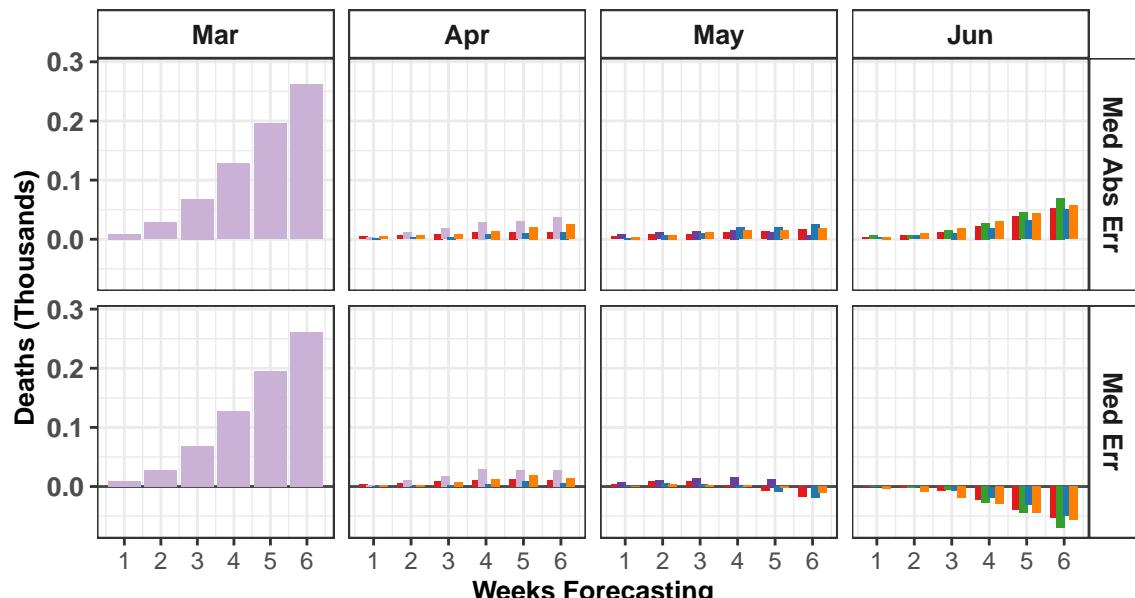
# Oregon

## Current Forecast

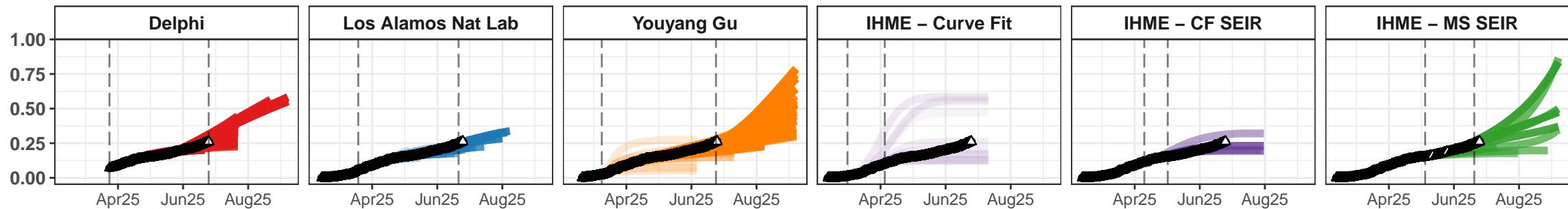
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



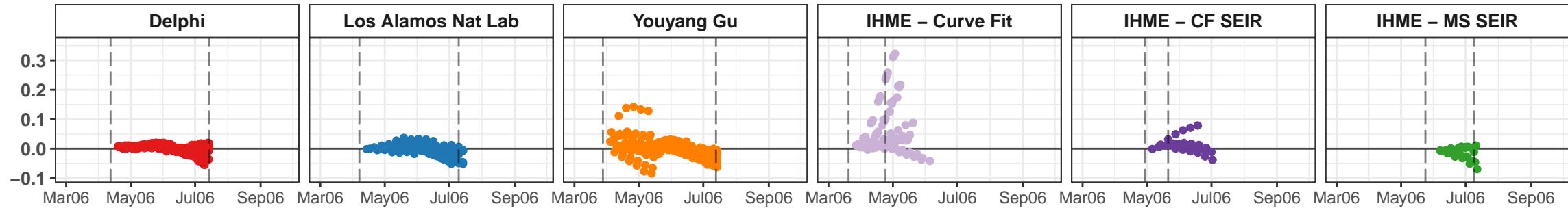
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

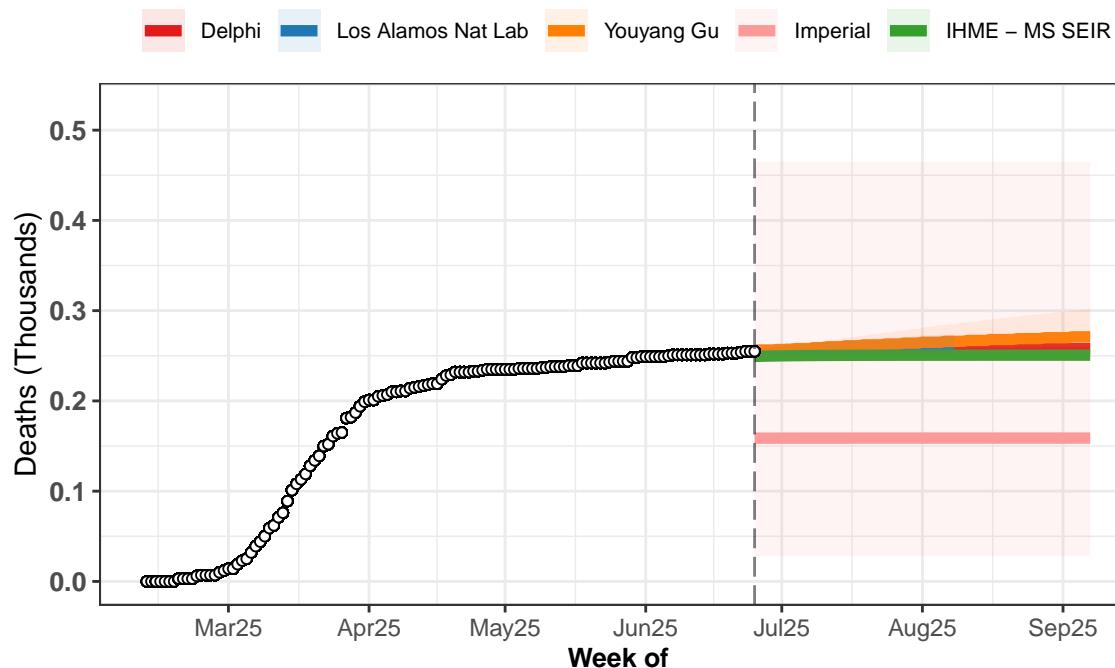


## All Cumulative Errors

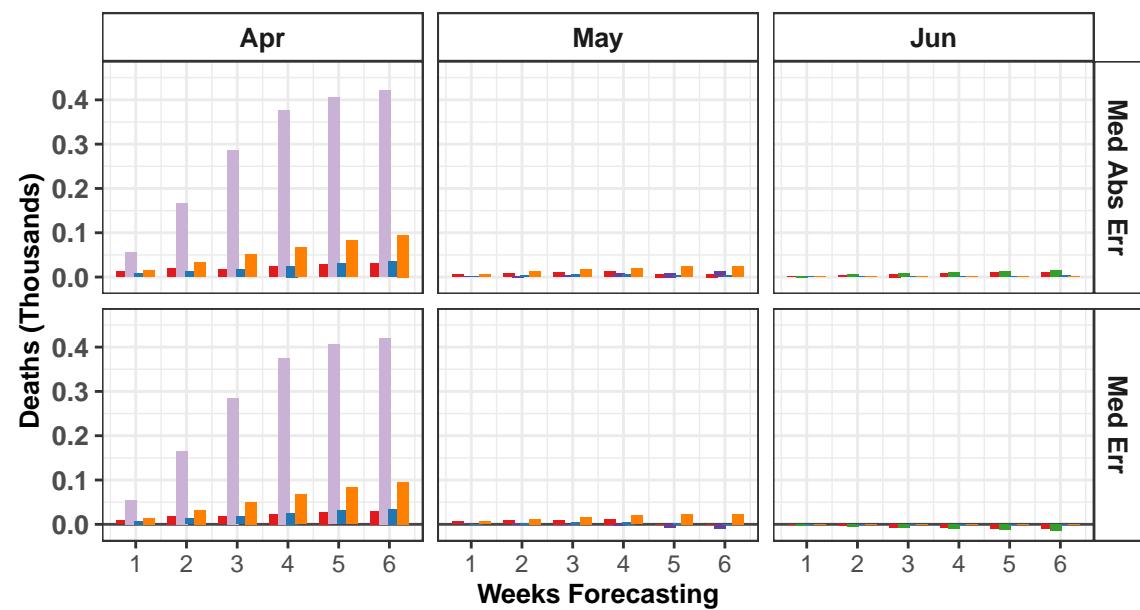


# Norway

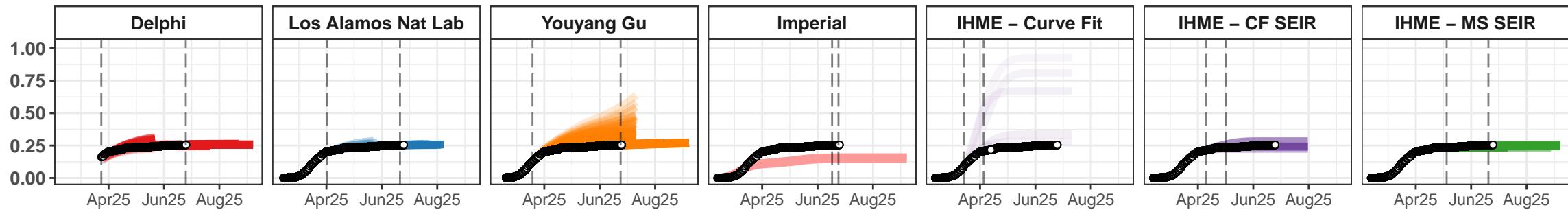
## Current Forecast



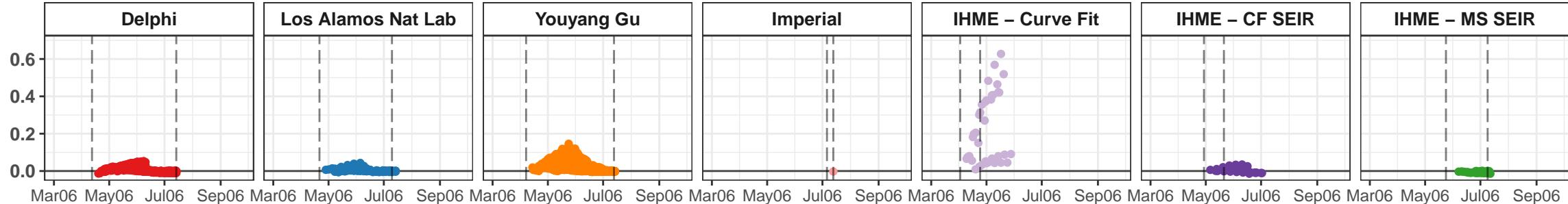
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



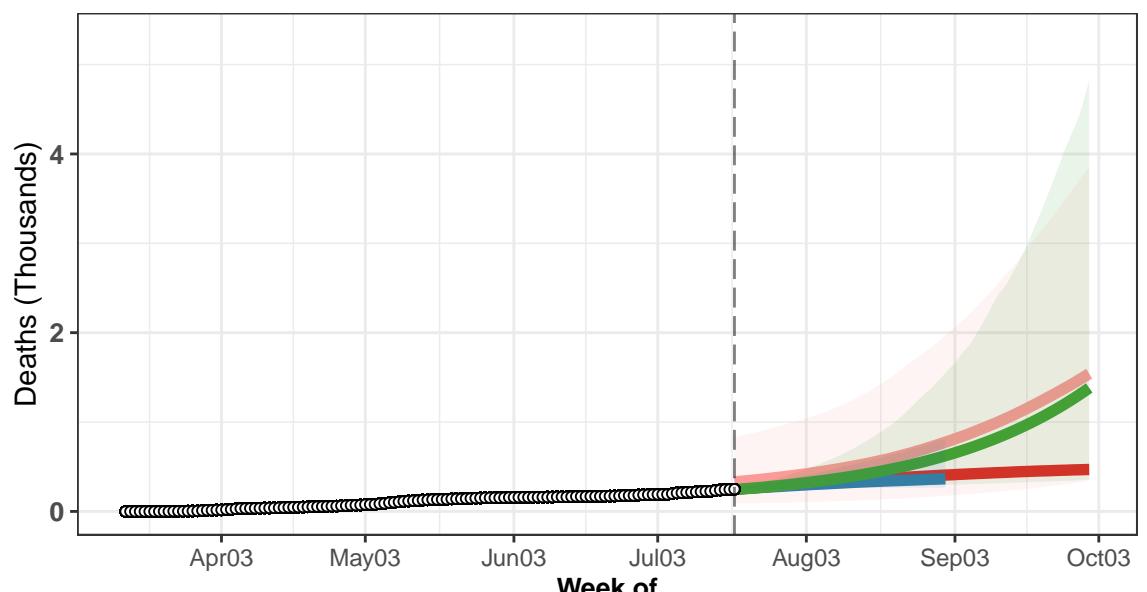
## All Cumulative Errors



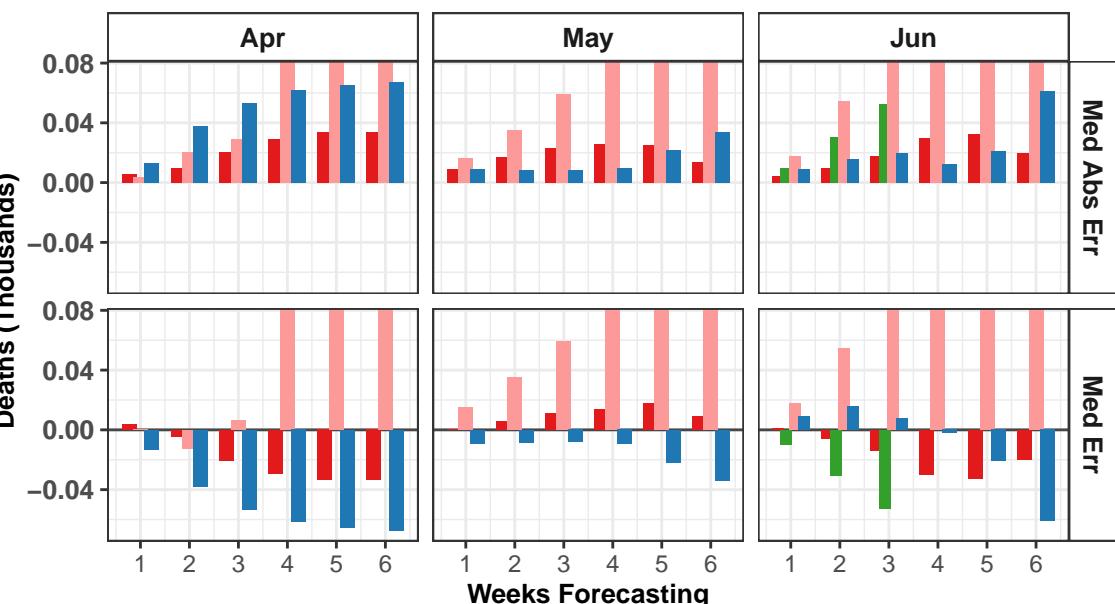
# Bosnia and Herzegovina

## Current Forecast

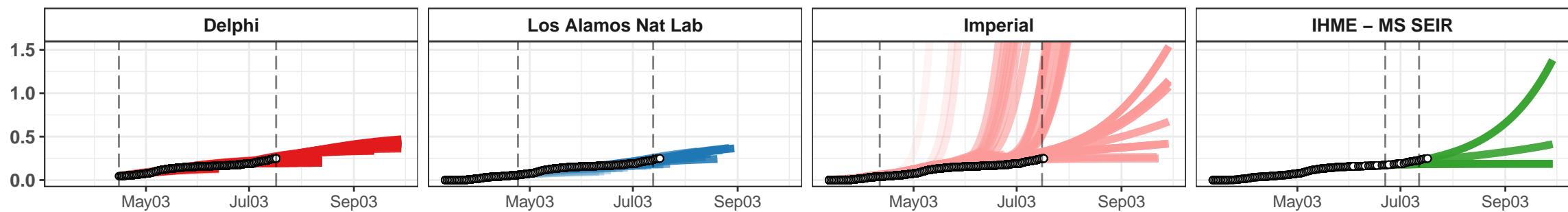
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



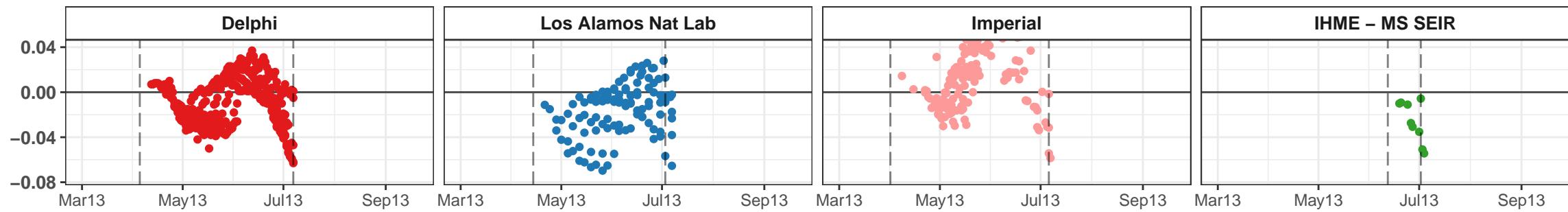
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



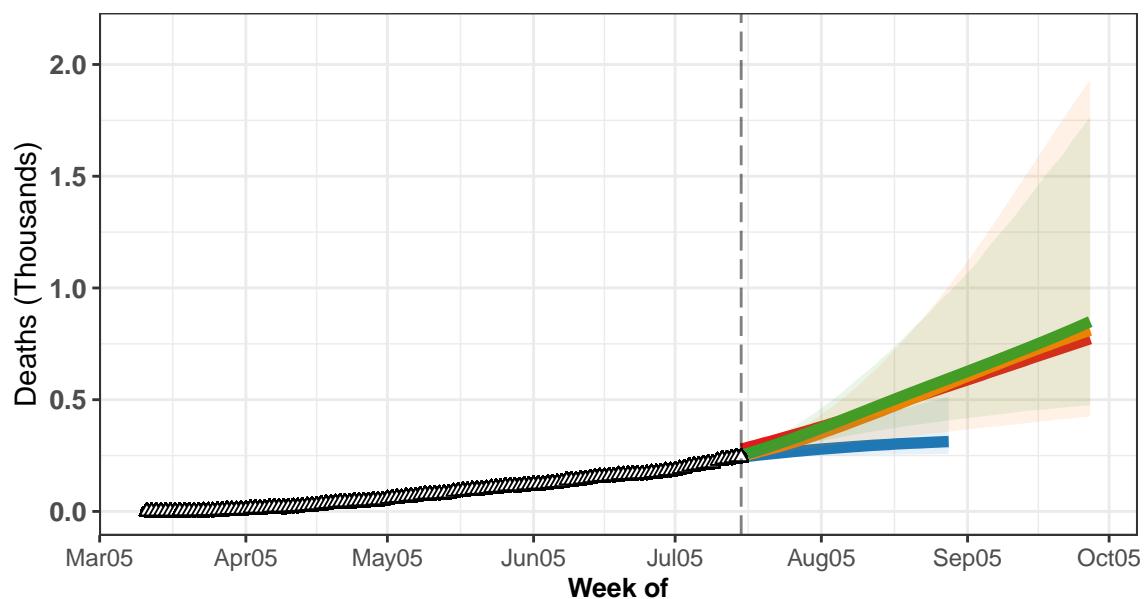
## All Cumulative Errors



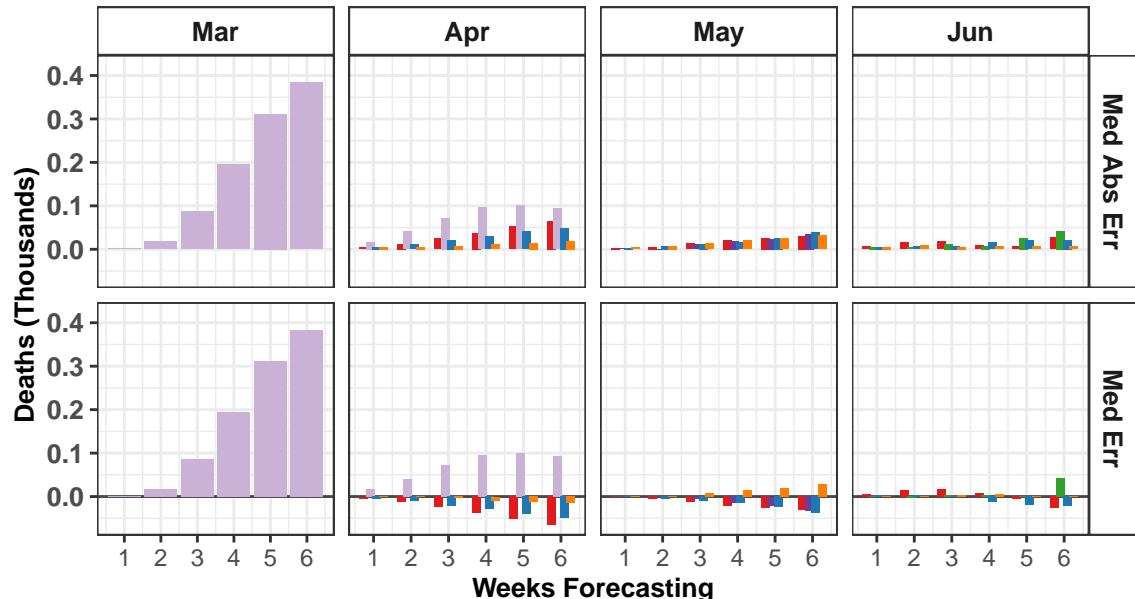
# Utah

## Current Forecast

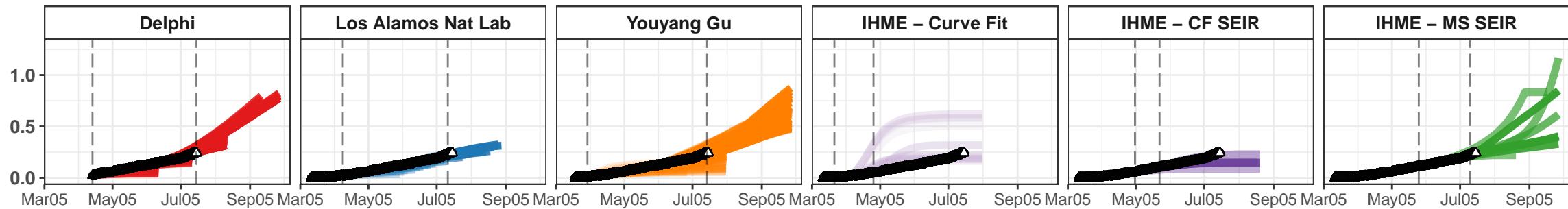
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



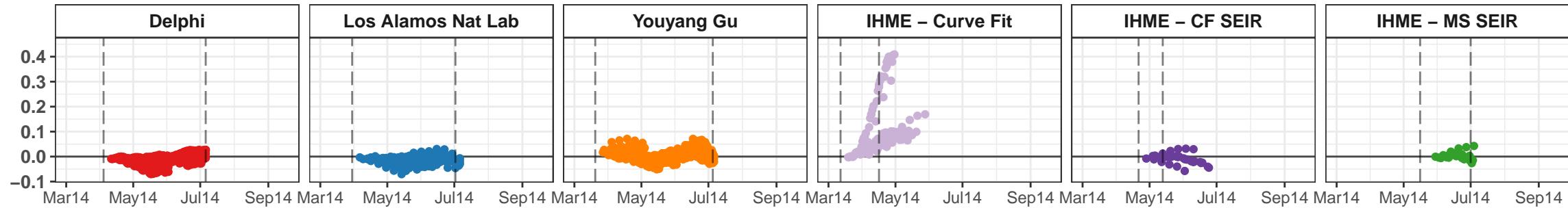
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



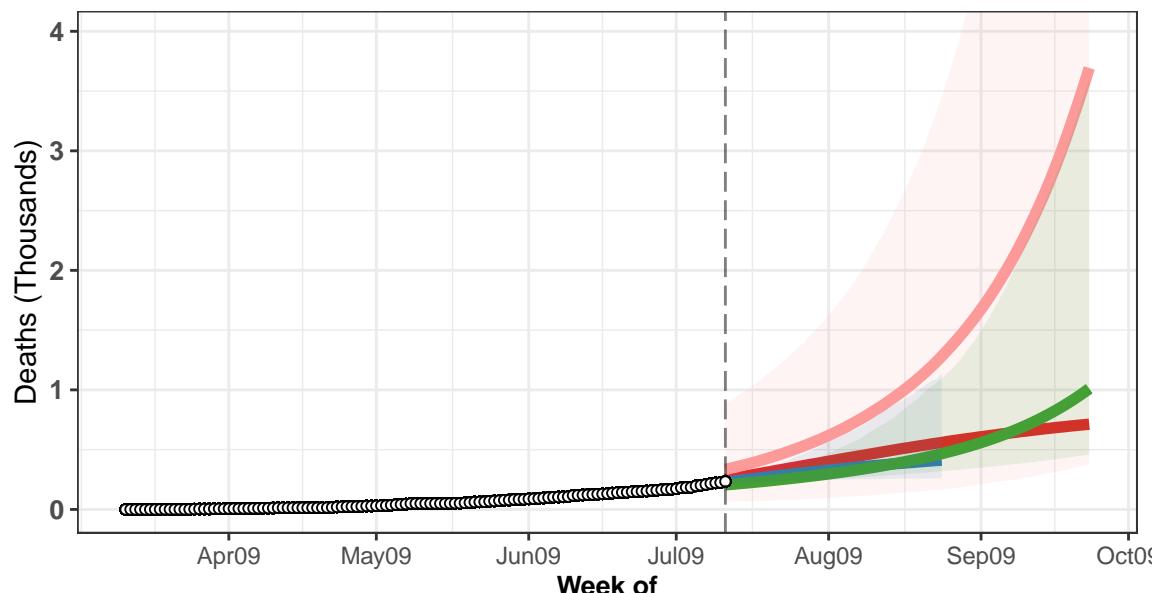
## All Cumulative Errors



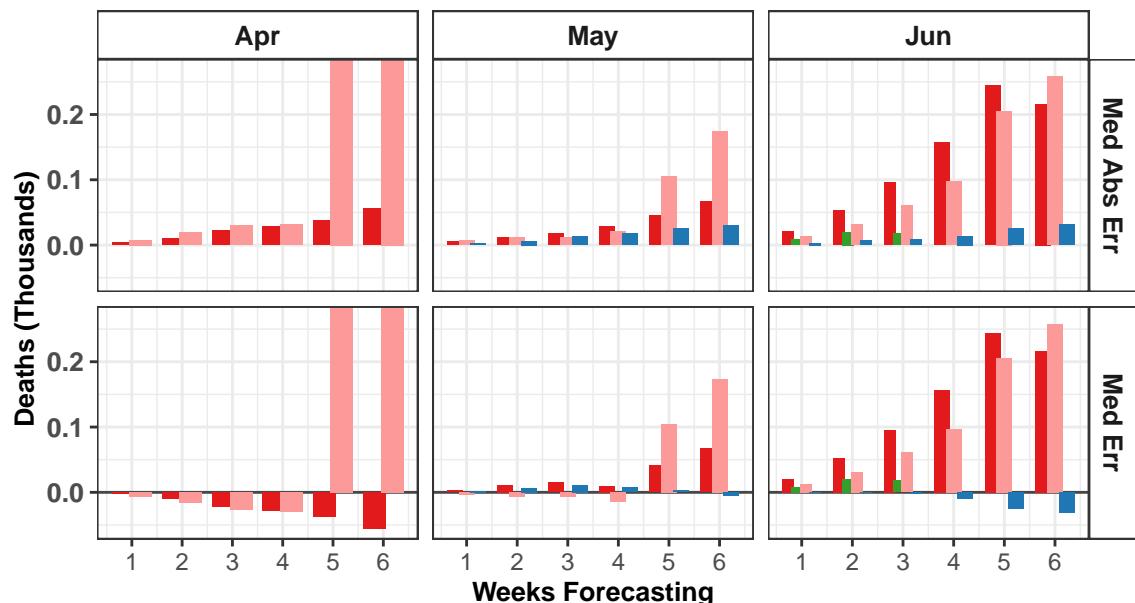
# Kenya

## Current Forecast

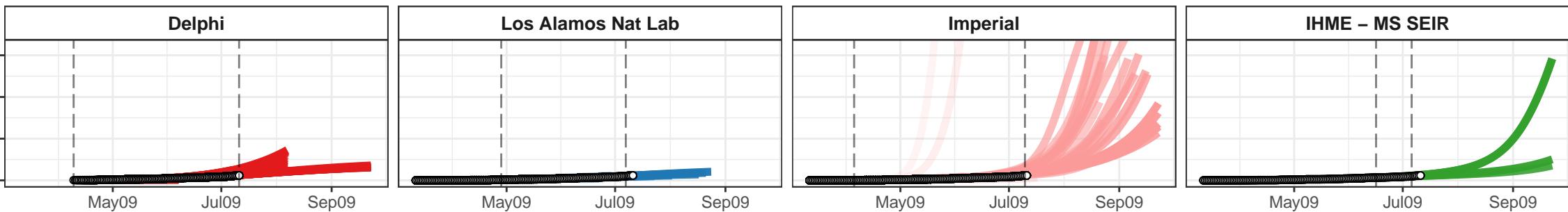
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



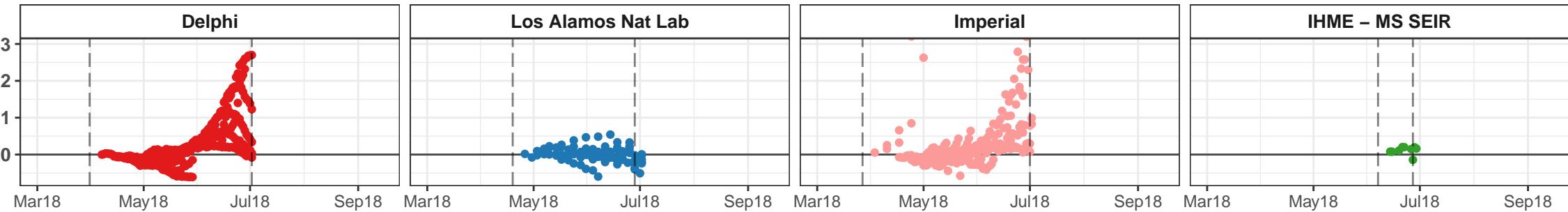
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

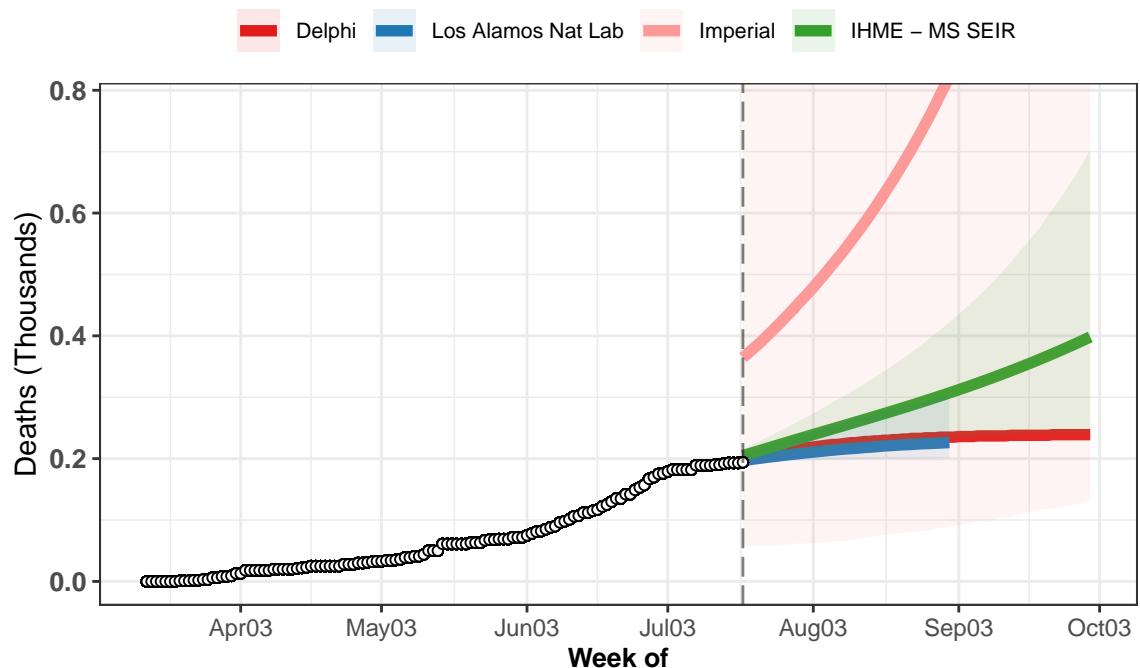


## All Cumulative Errors

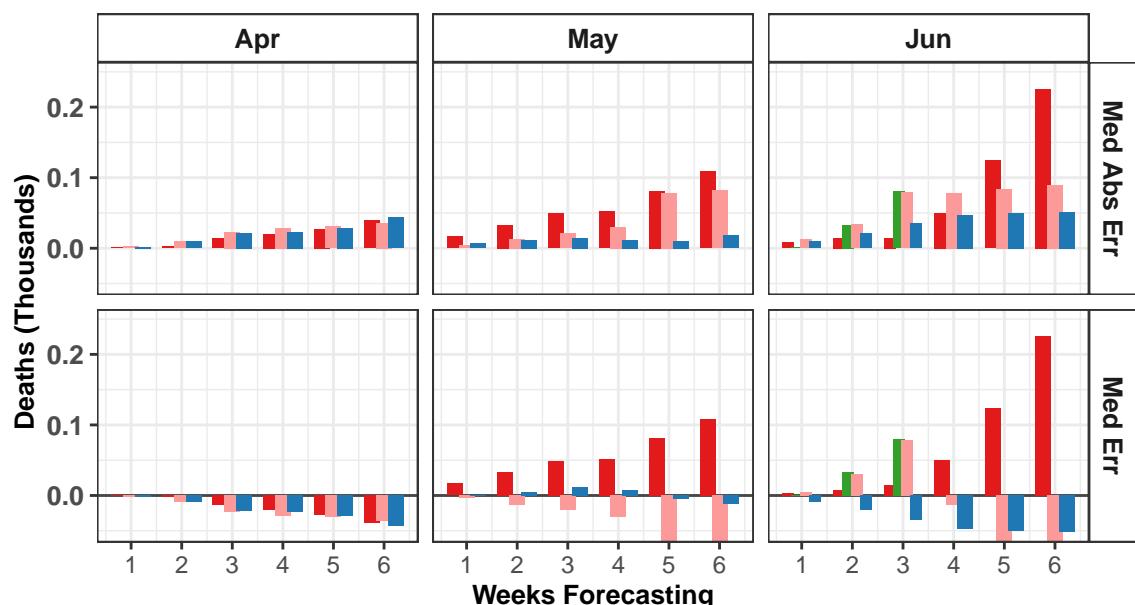


# Democratic Republic of the Congo

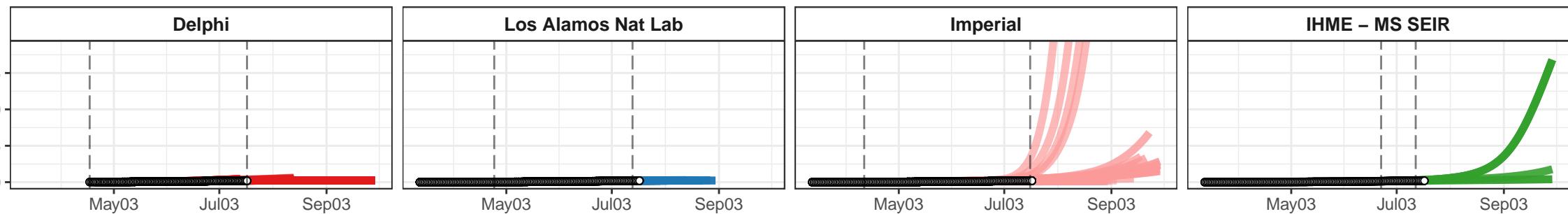
## Current Forecast



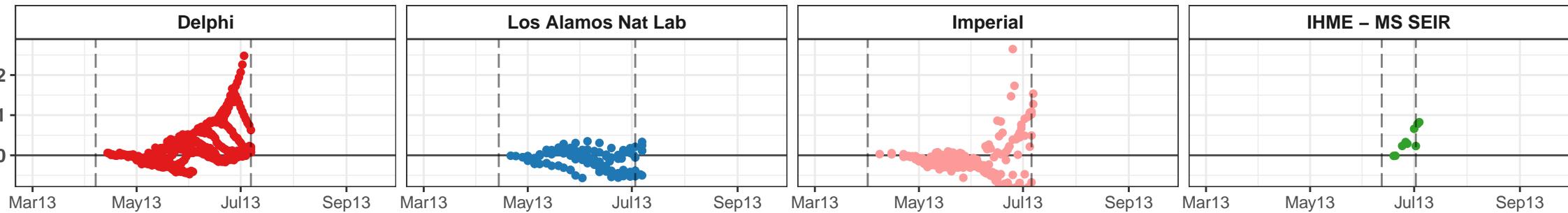
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

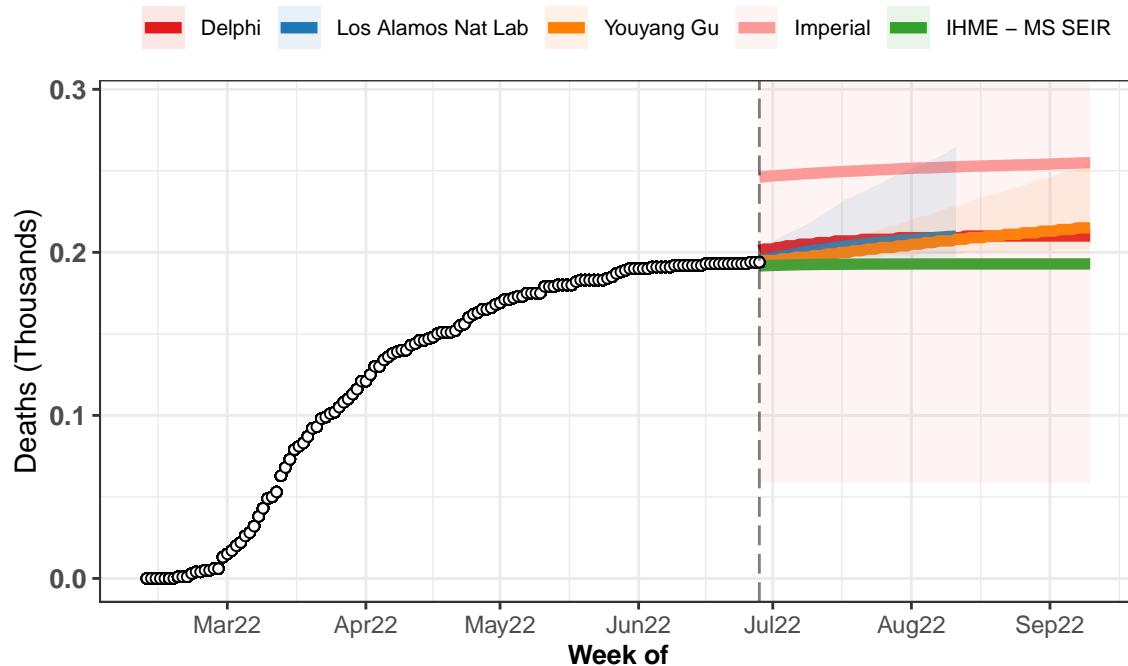


## All Cumulative Errors

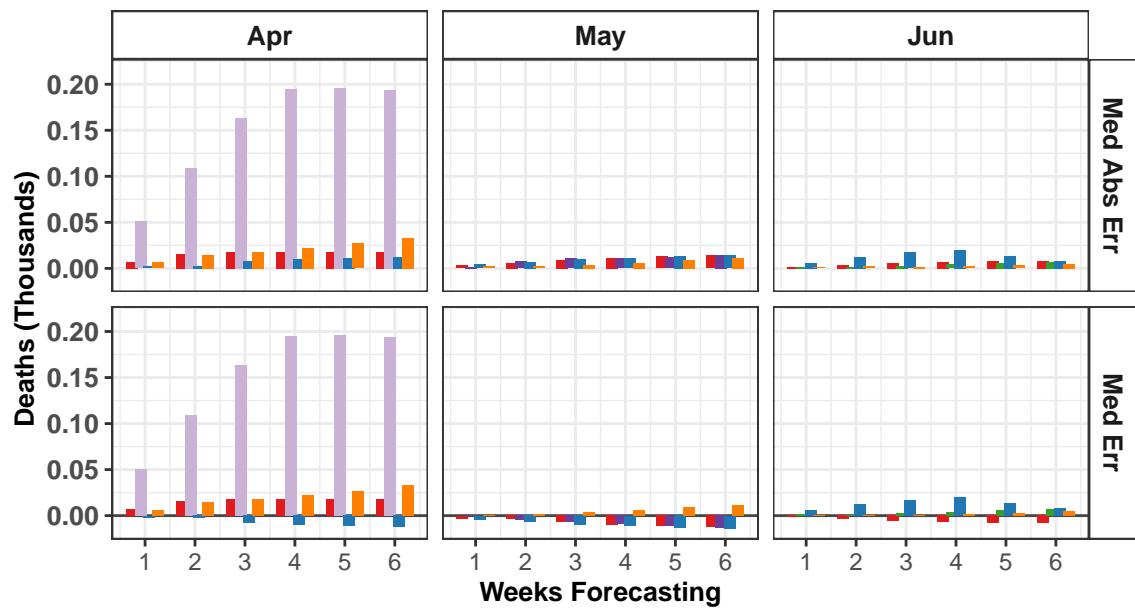


# Greece

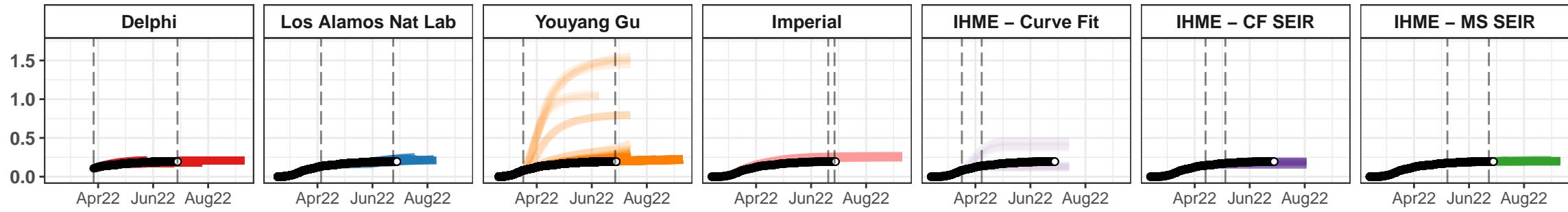
## Current Forecast



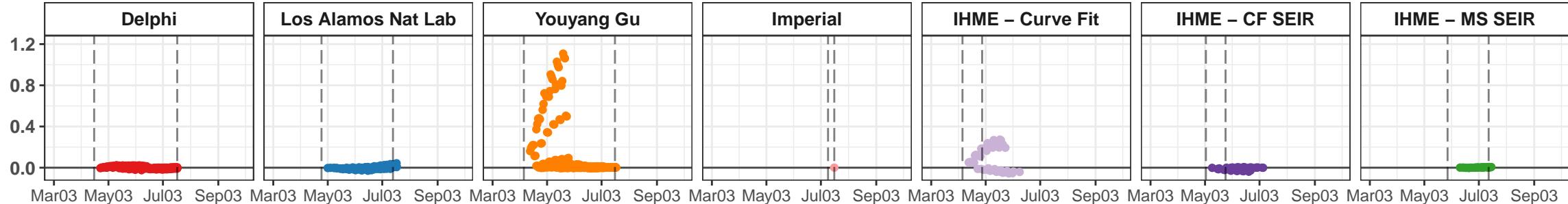
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

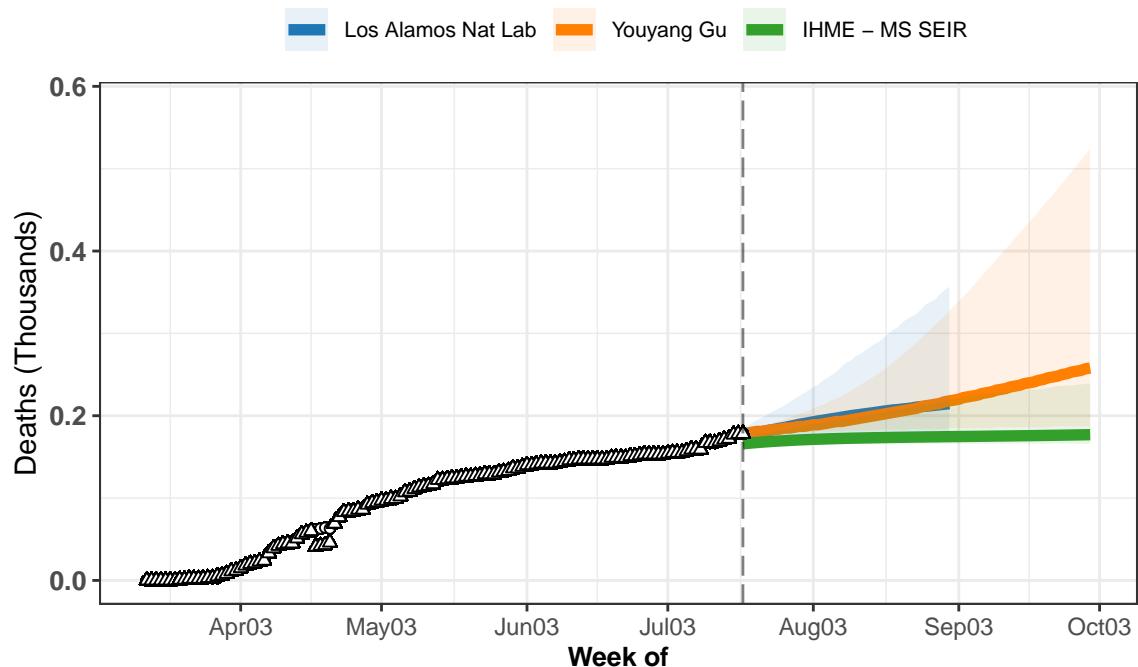


## All Cumulative Errors

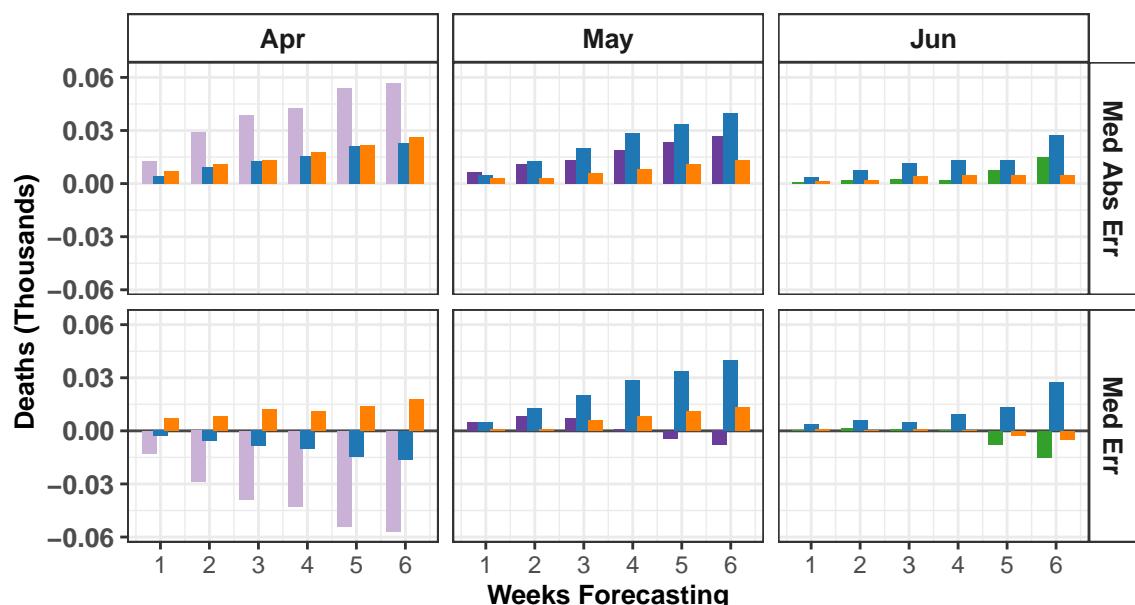


# Puerto Rico

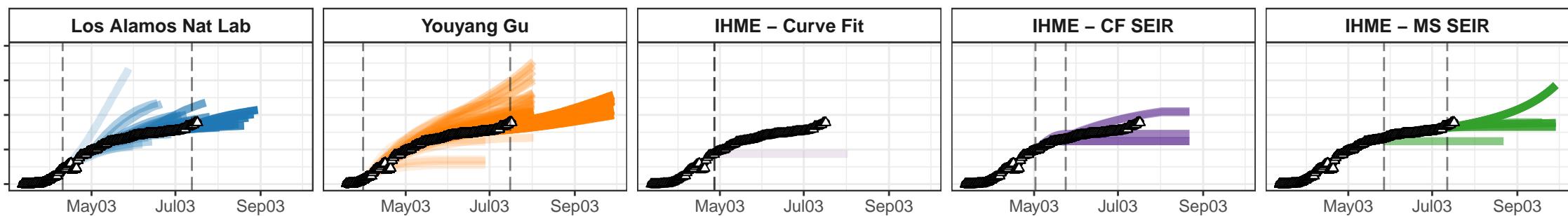
## Current Forecast



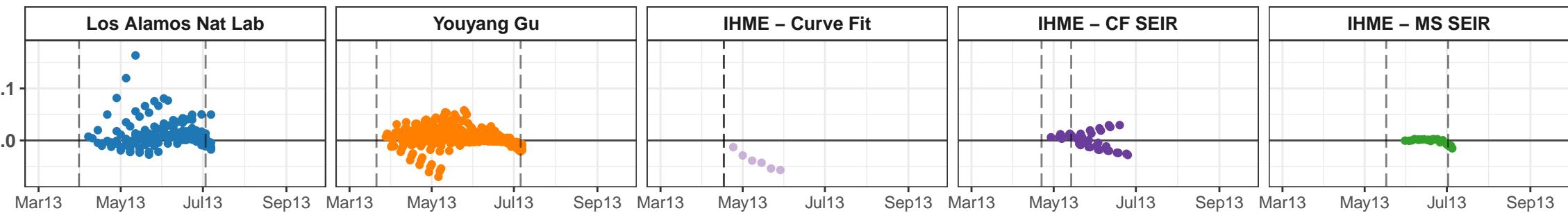
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

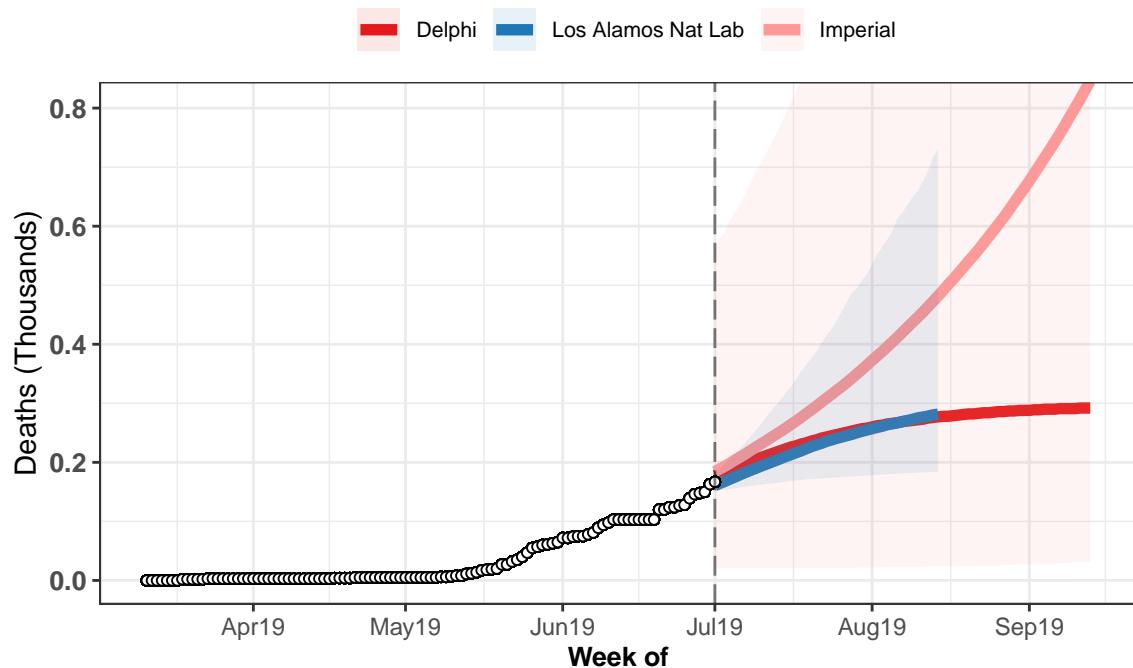


## All Cumulative Errors

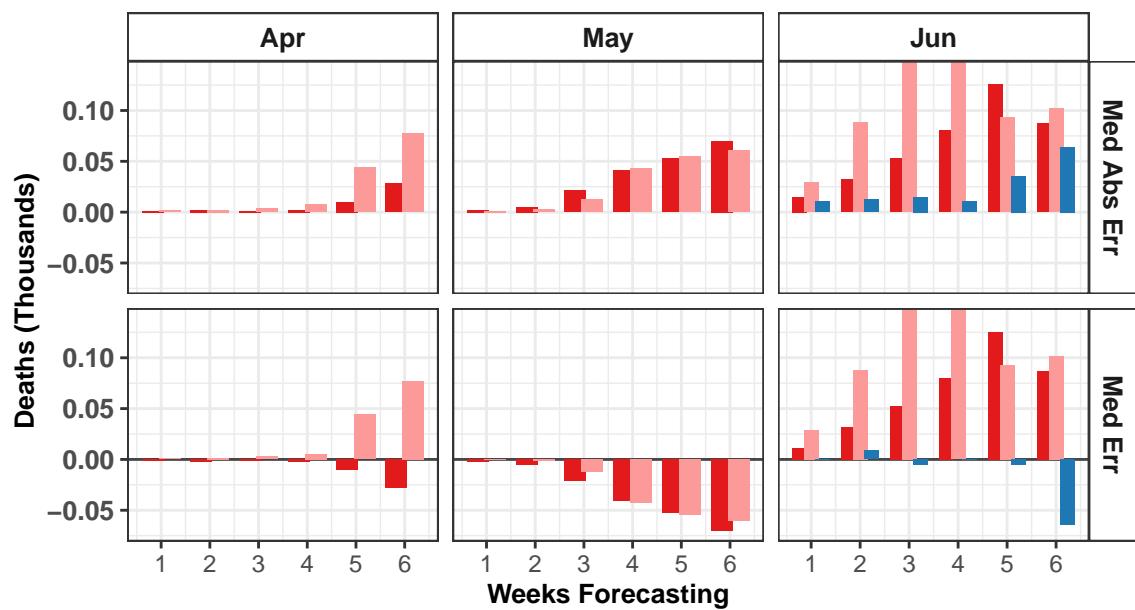


# Ethiopia

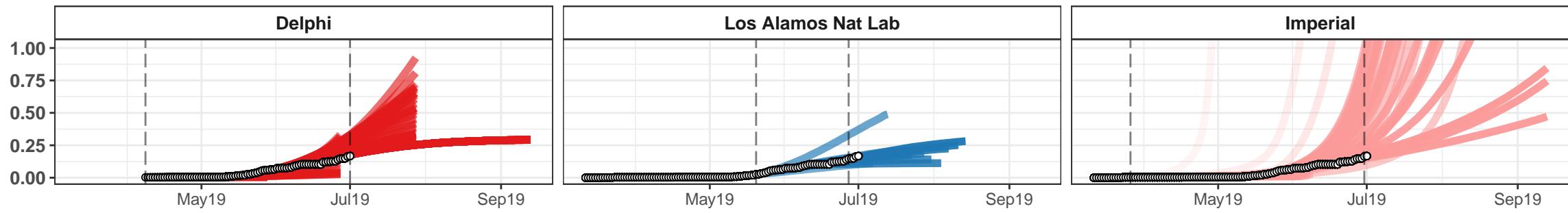
## Current Forecast



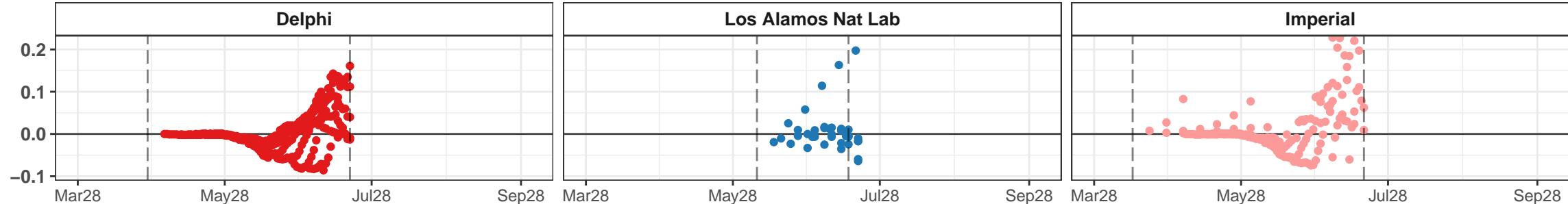
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



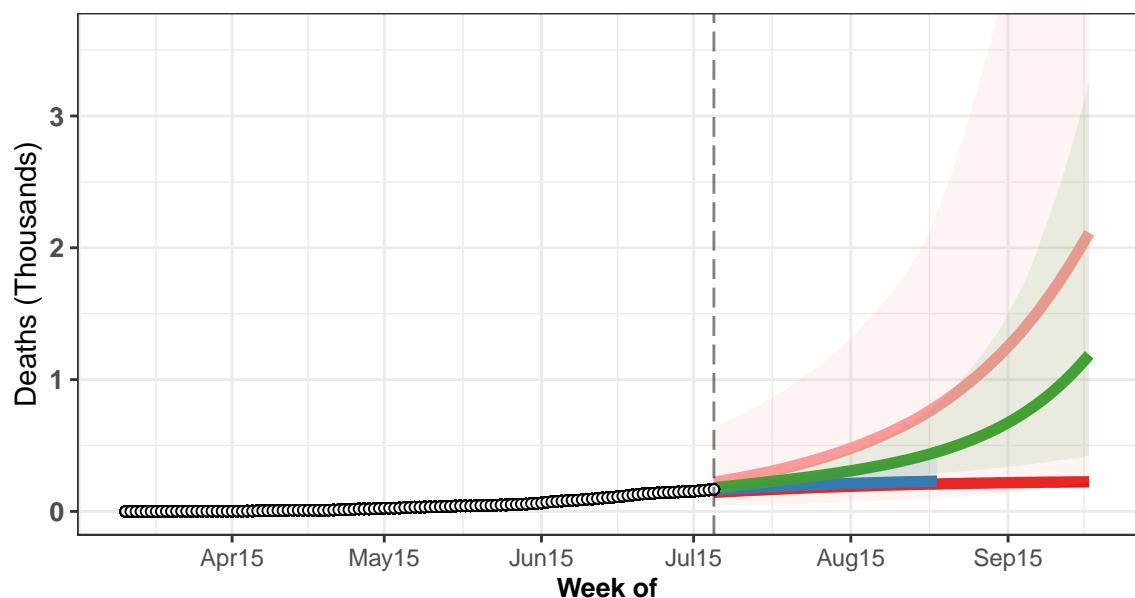
## All Cumulative Errors



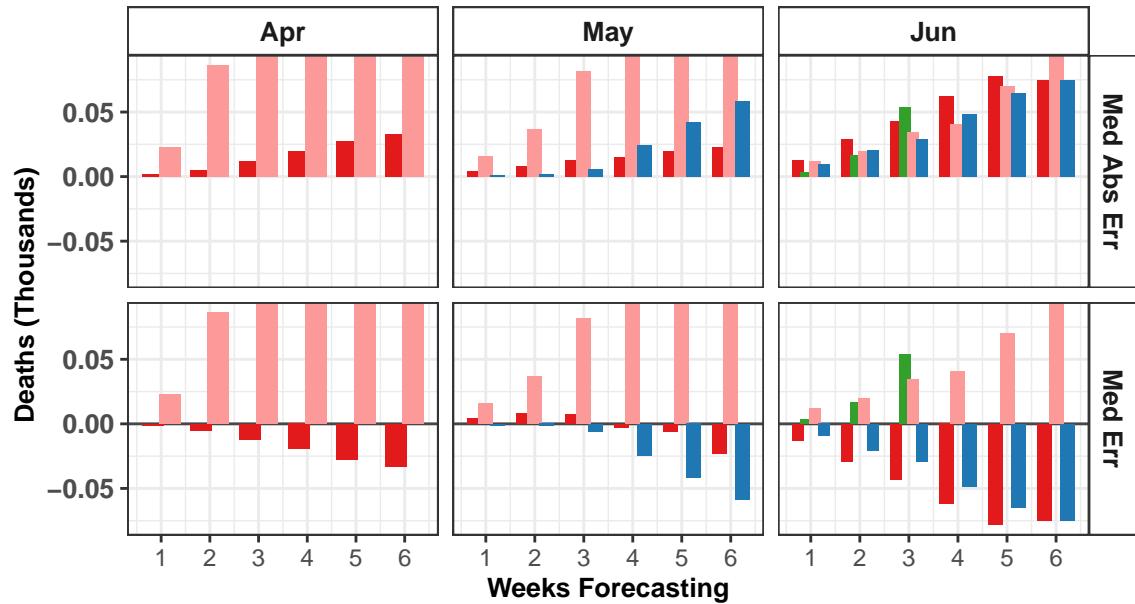
# Senegal

## Current Forecast

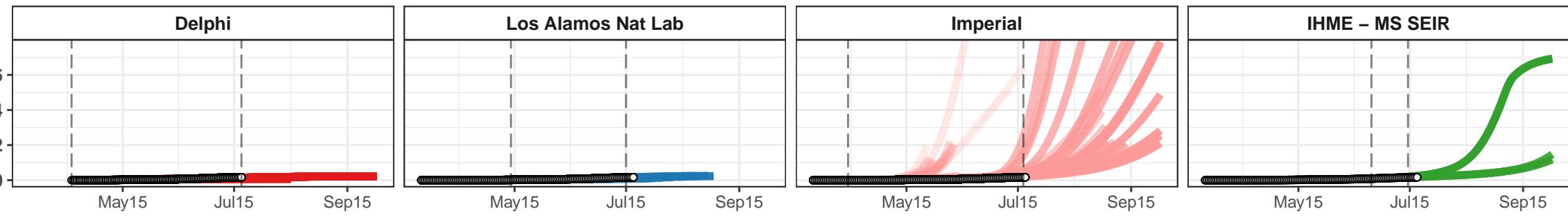
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



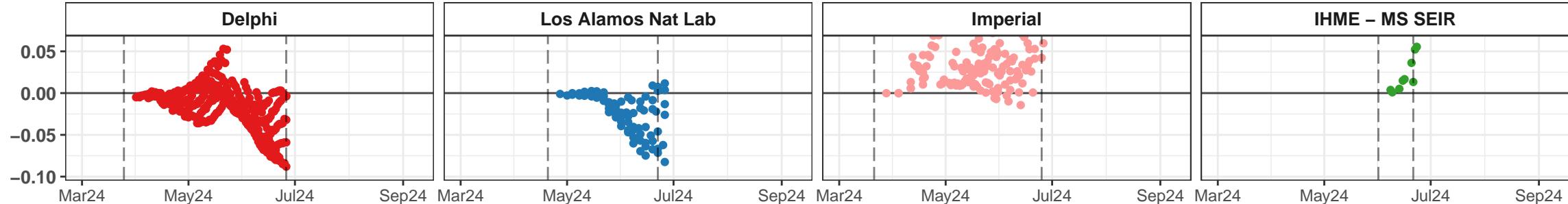
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

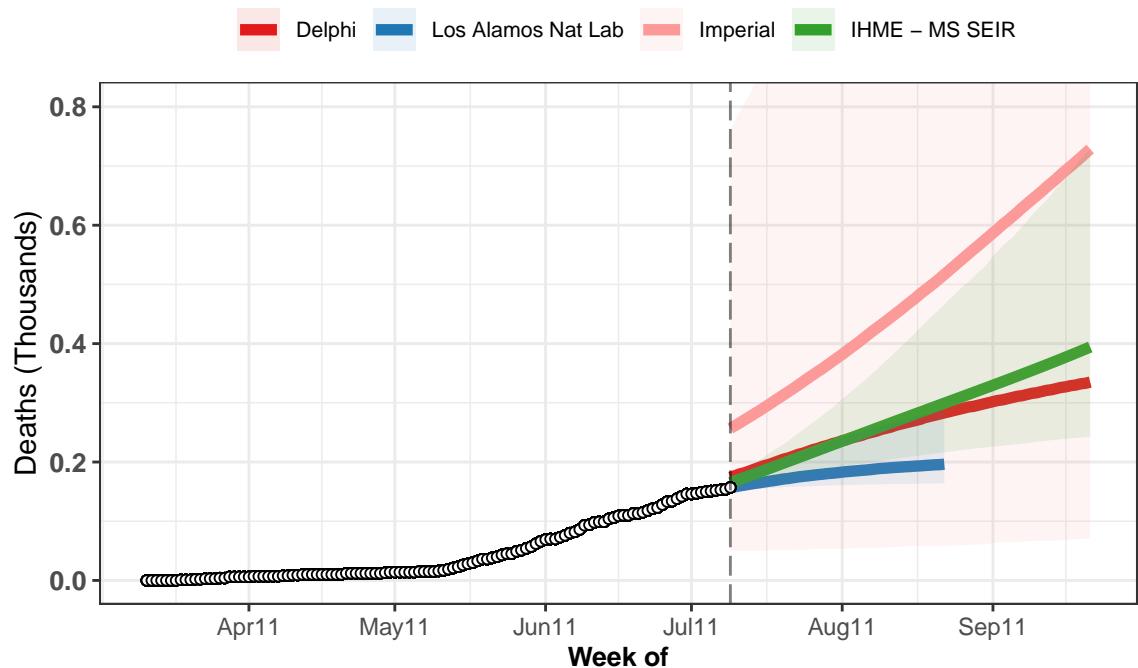


## All Cumulative Errors

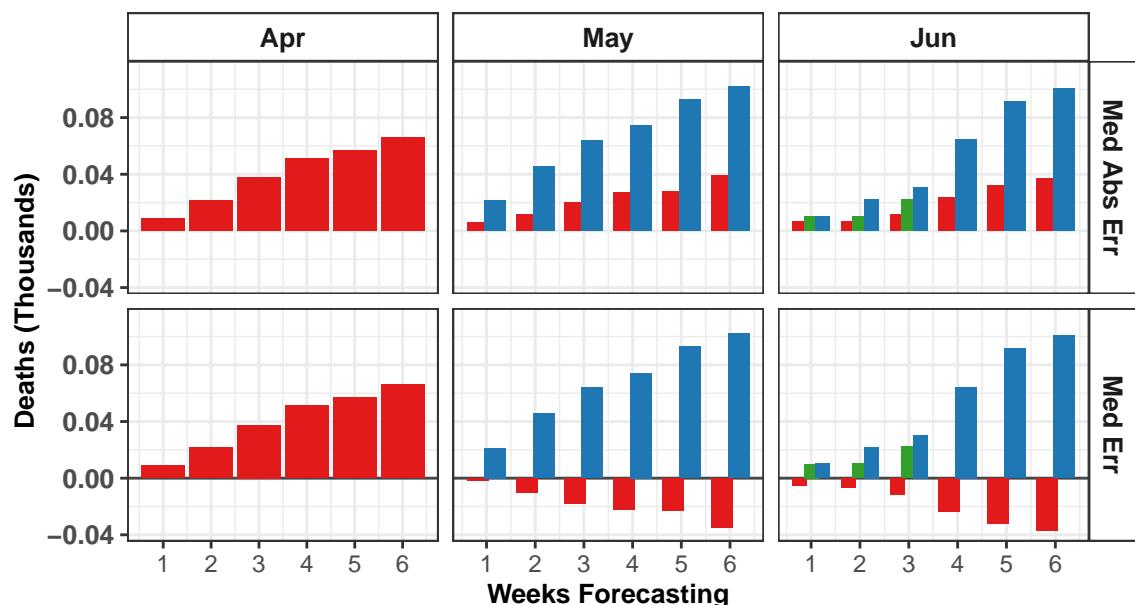


# Qatar

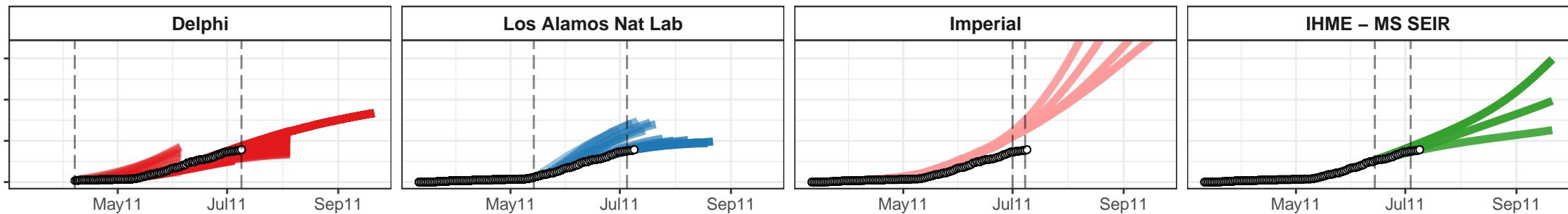
## Current Forecast



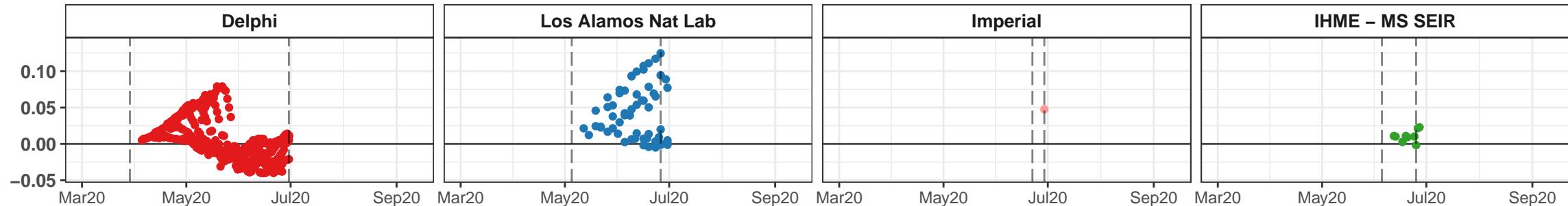
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

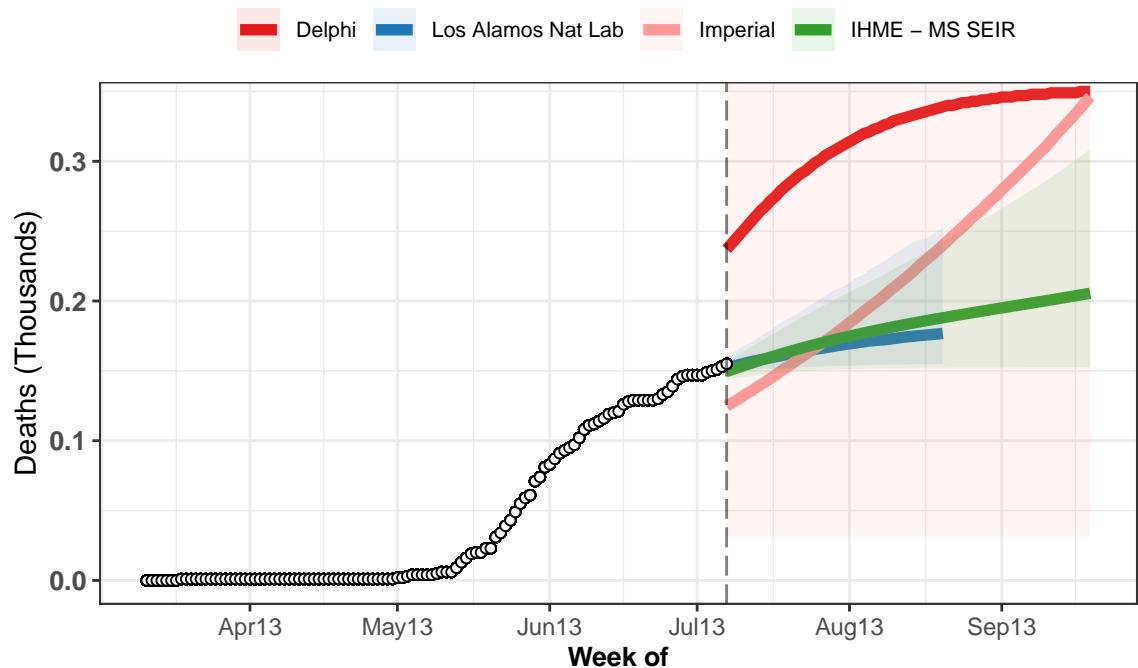


## All Cumulative Errors

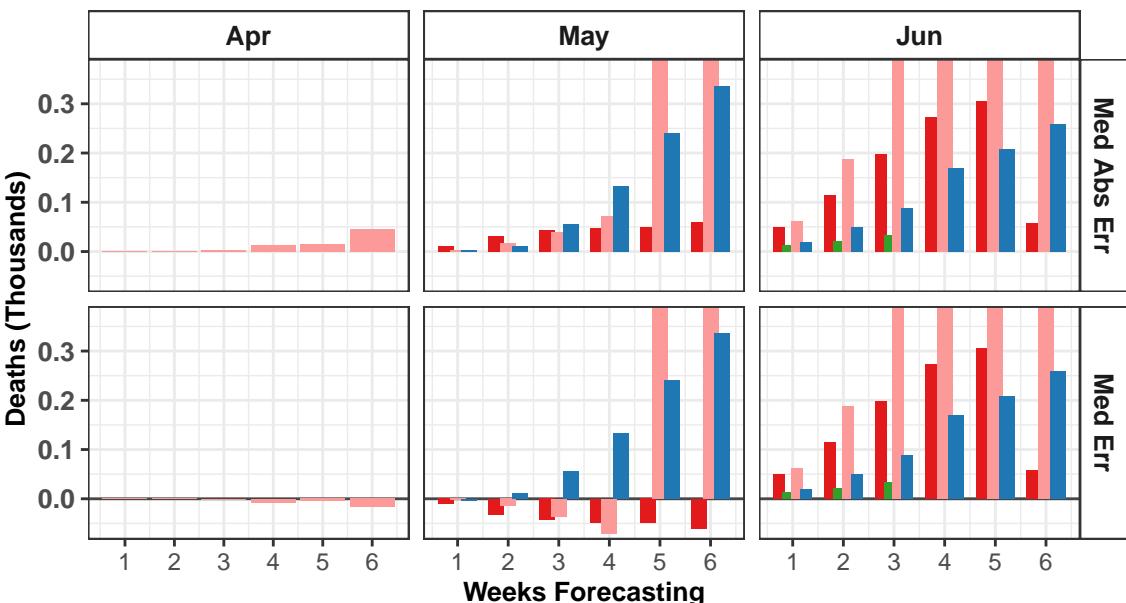


# Mauritania

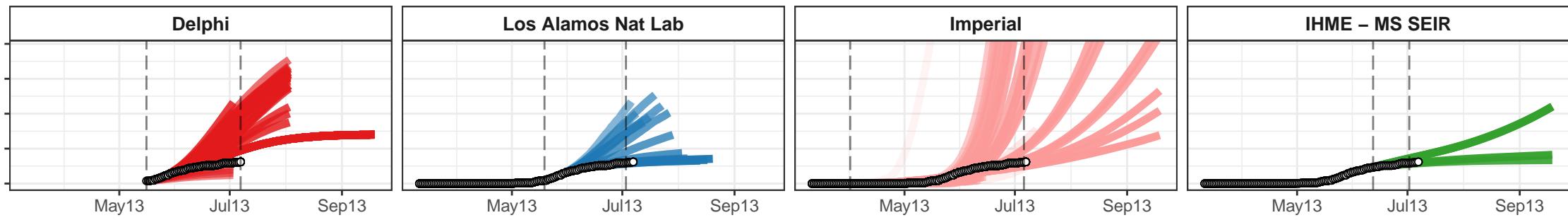
## Current Forecast



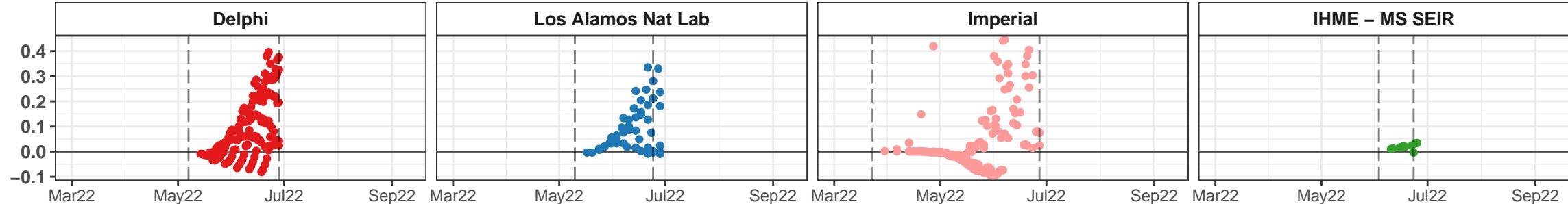
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

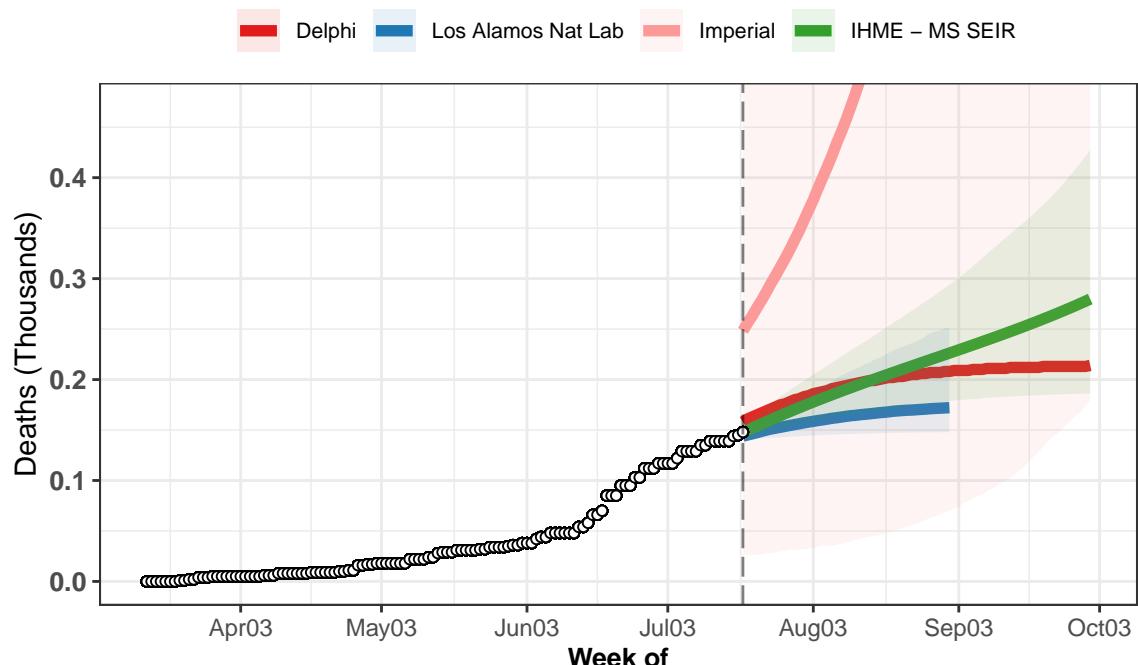


## All Cumulative Errors

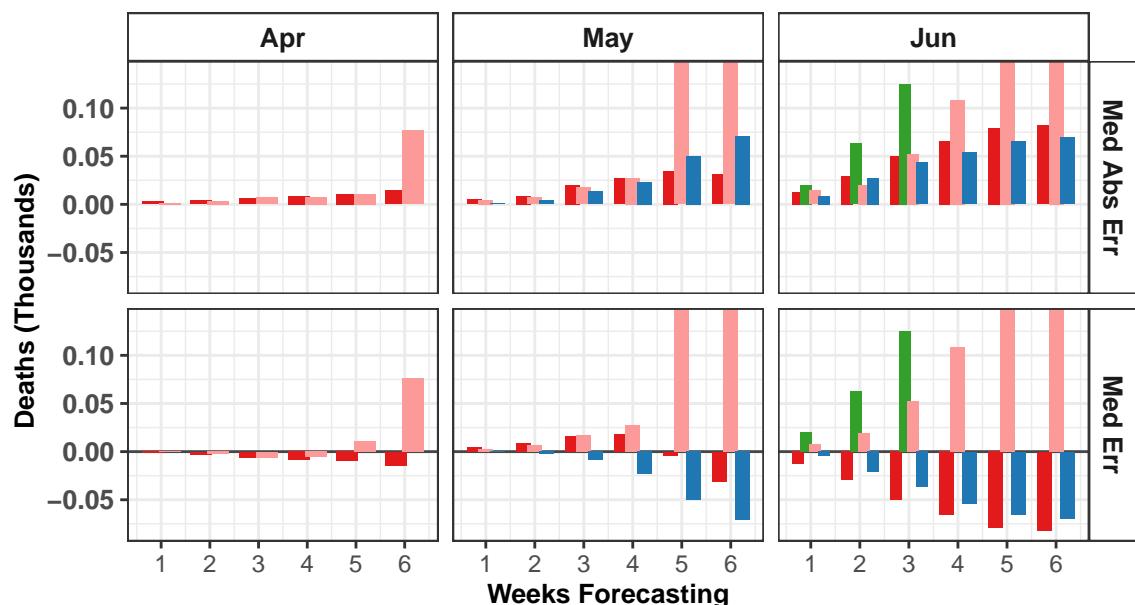


# Ghana

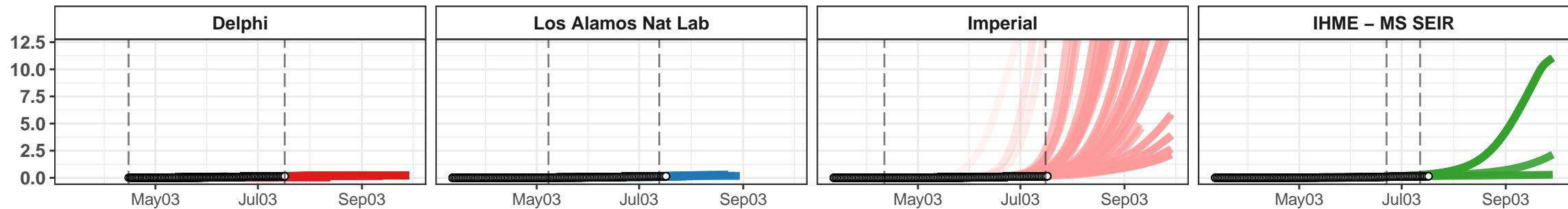
## Current Forecast



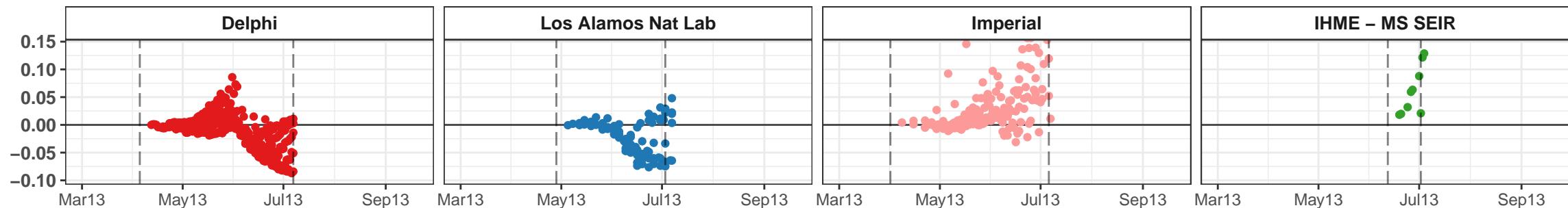
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

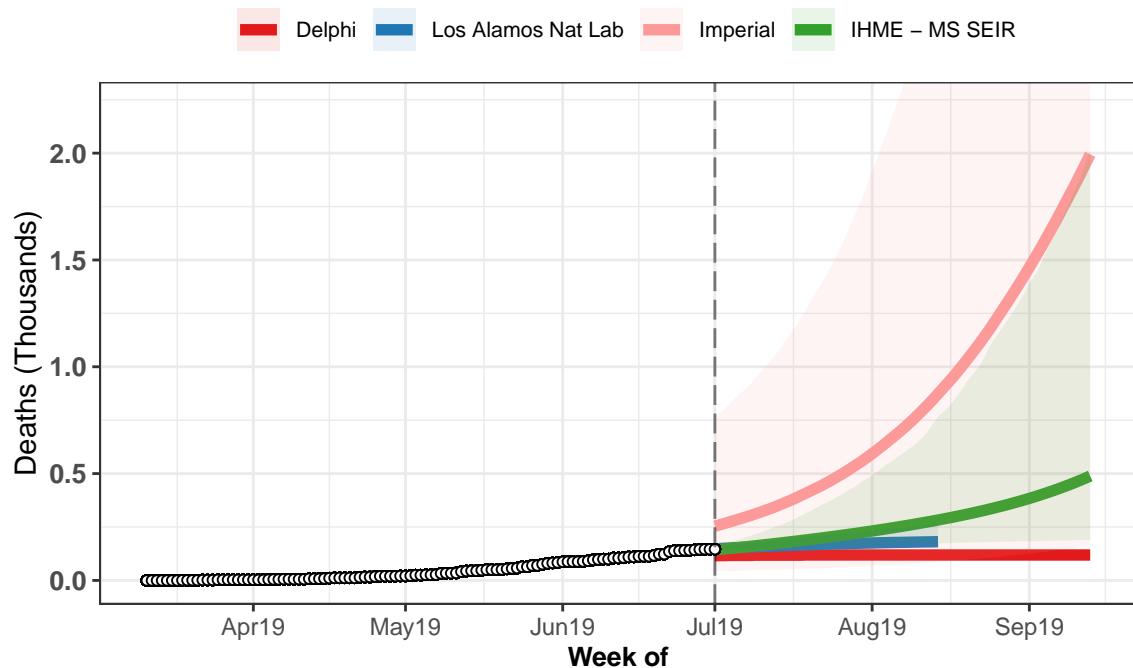


## All Cumulative Errors

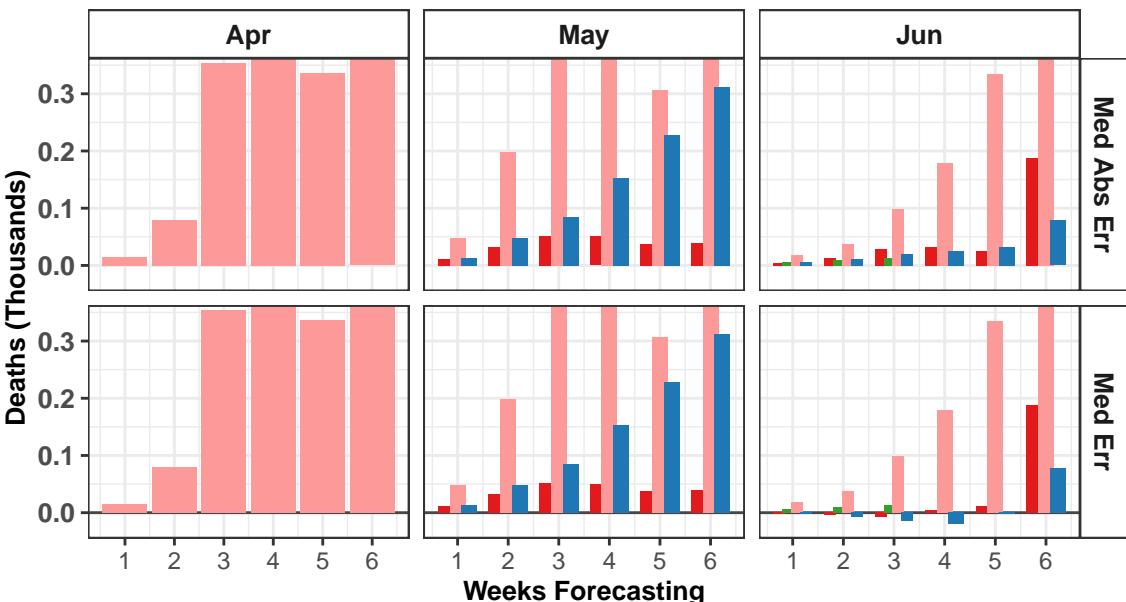


# Haiti

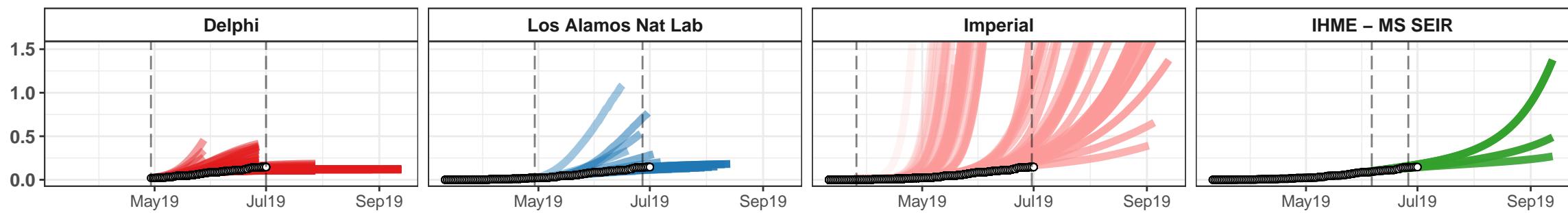
## Current Forecast



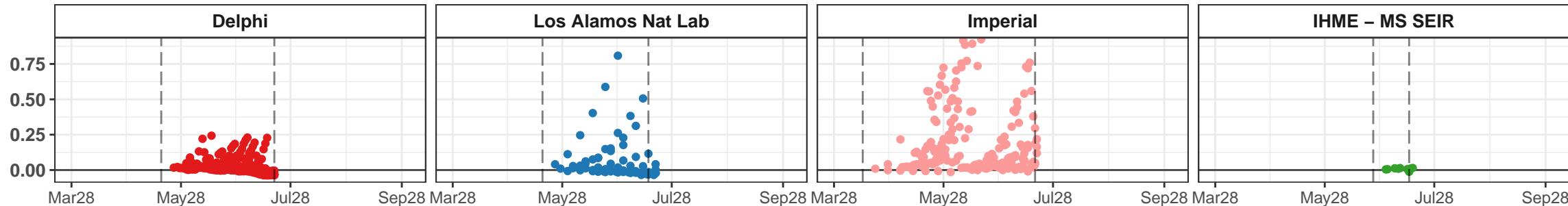
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

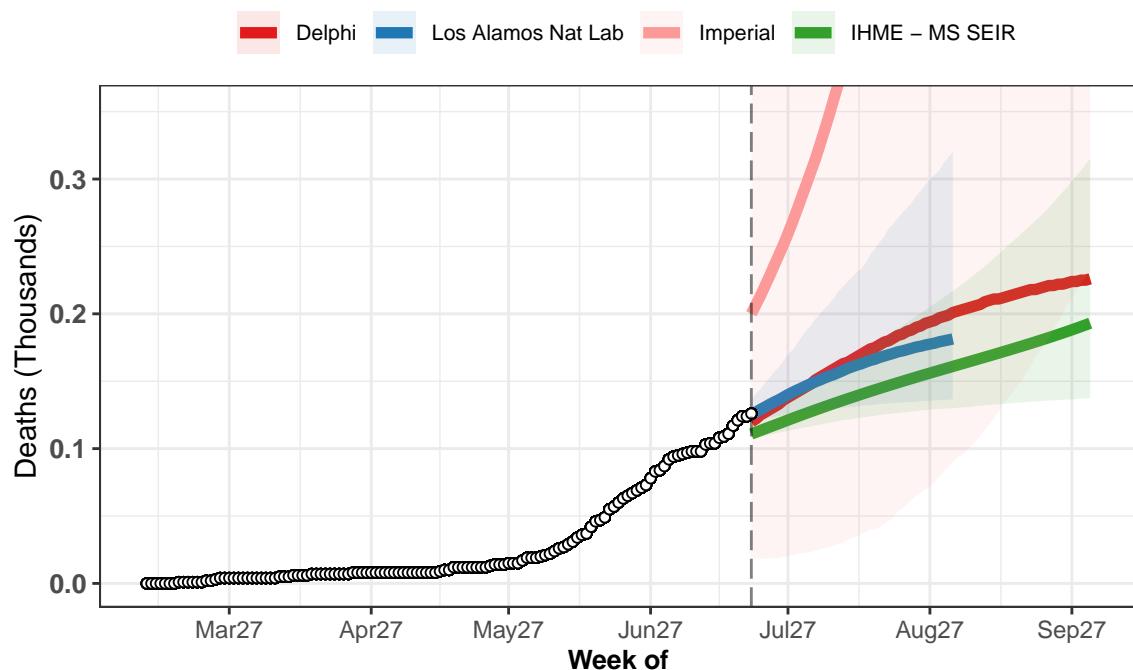


## All Cumulative Errors

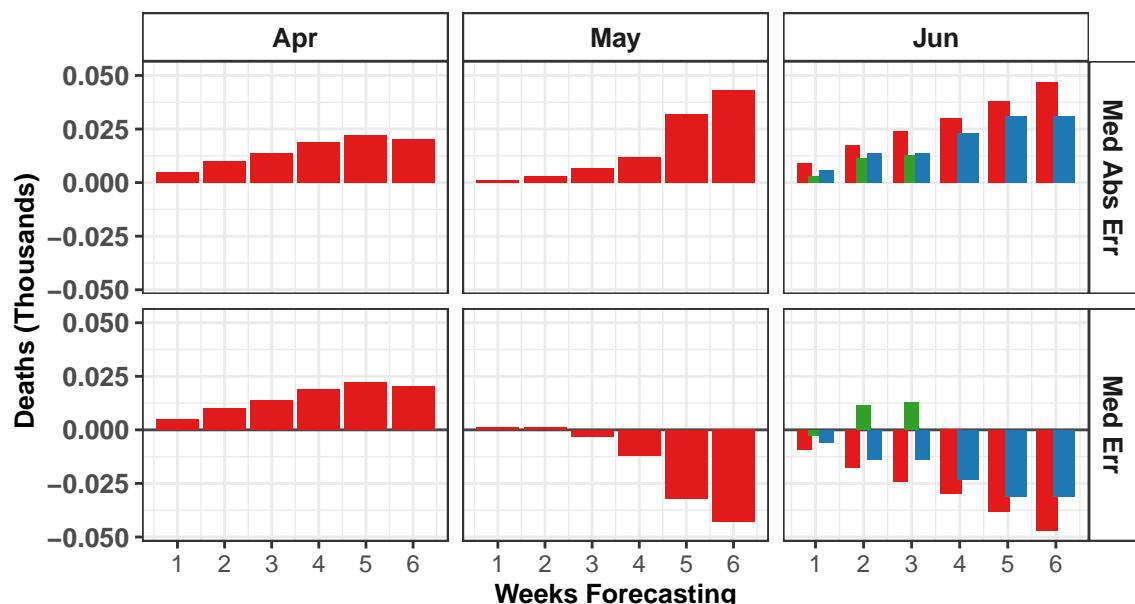


# Bahrain

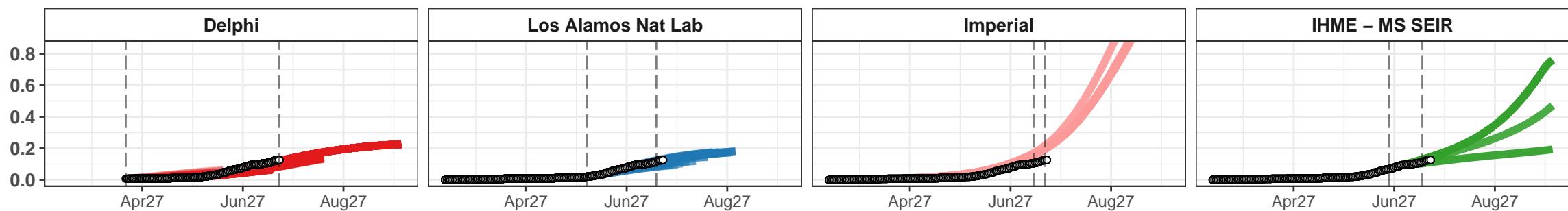
## Current Forecast



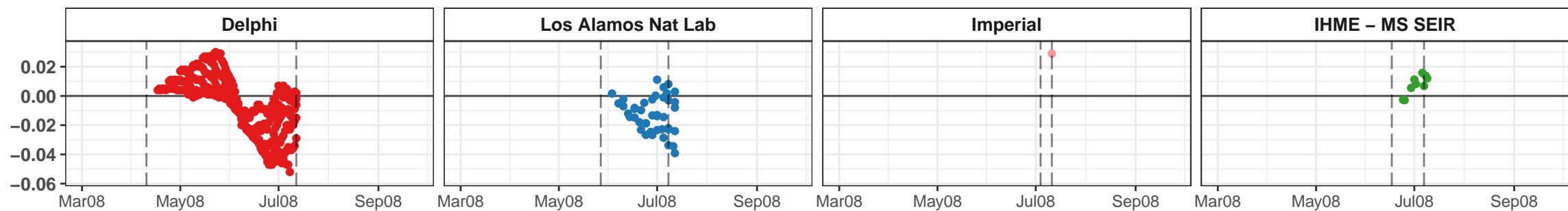
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

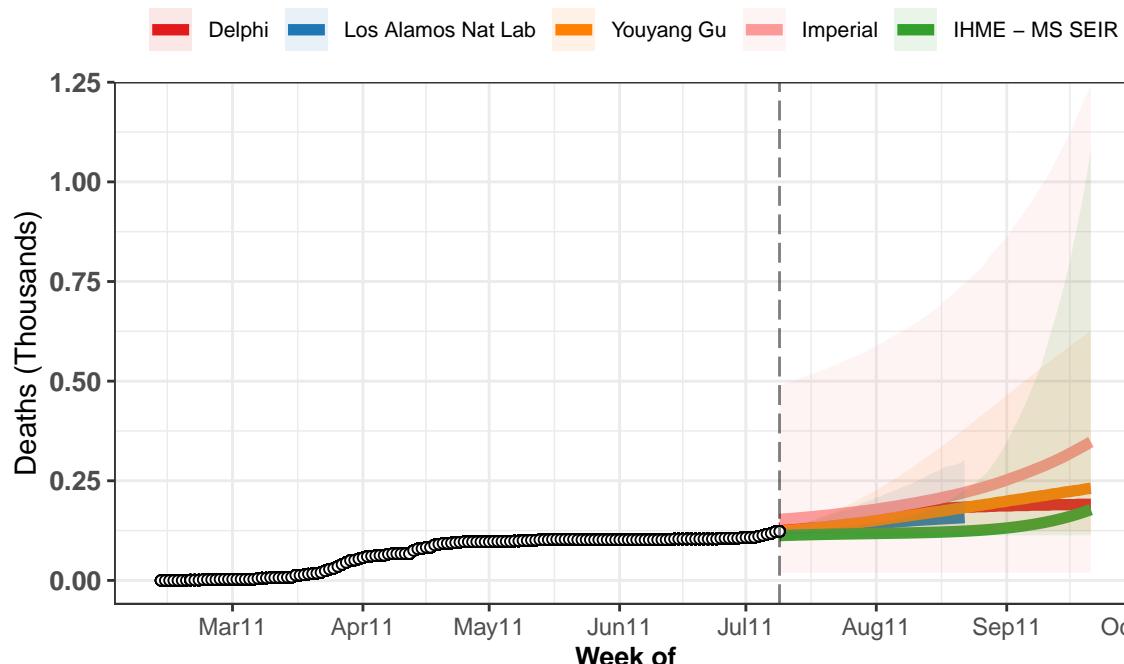


## All Cumulative Errors

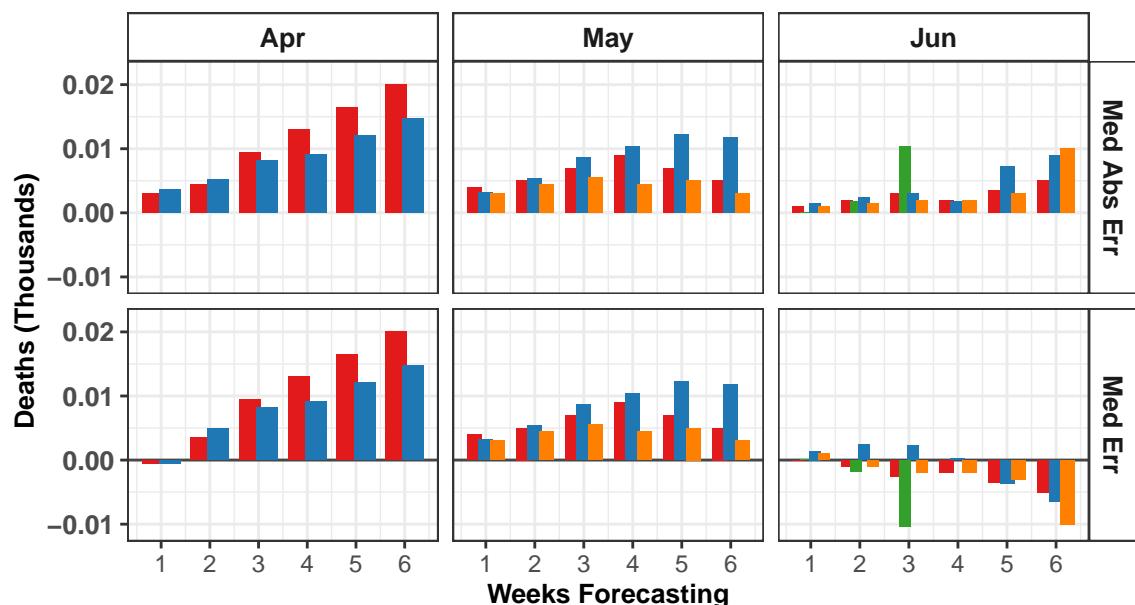


# Australia

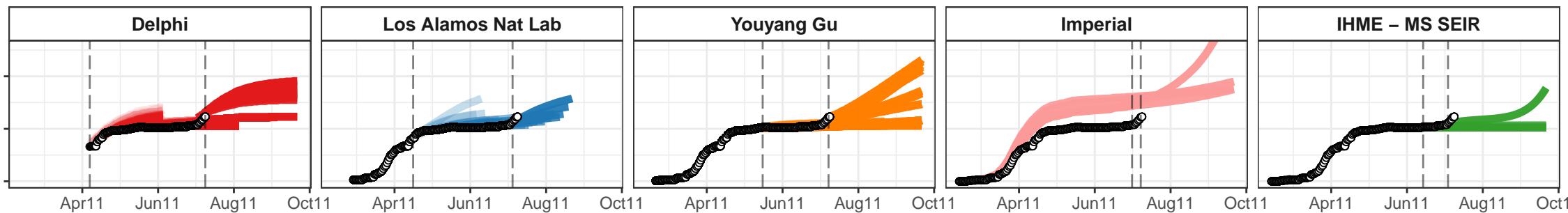
## Current Forecast



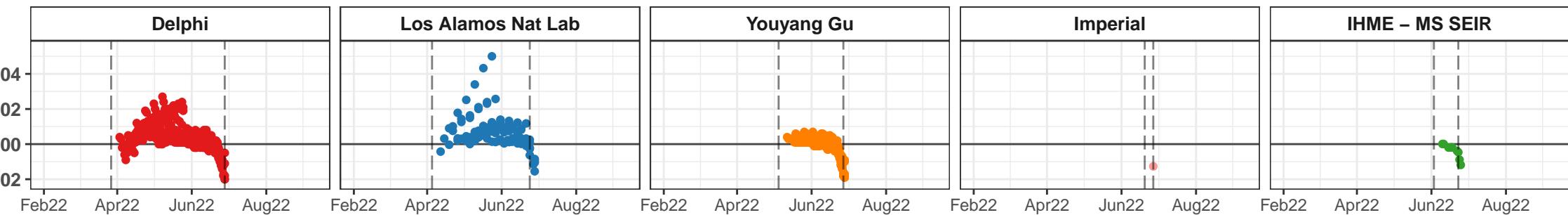
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



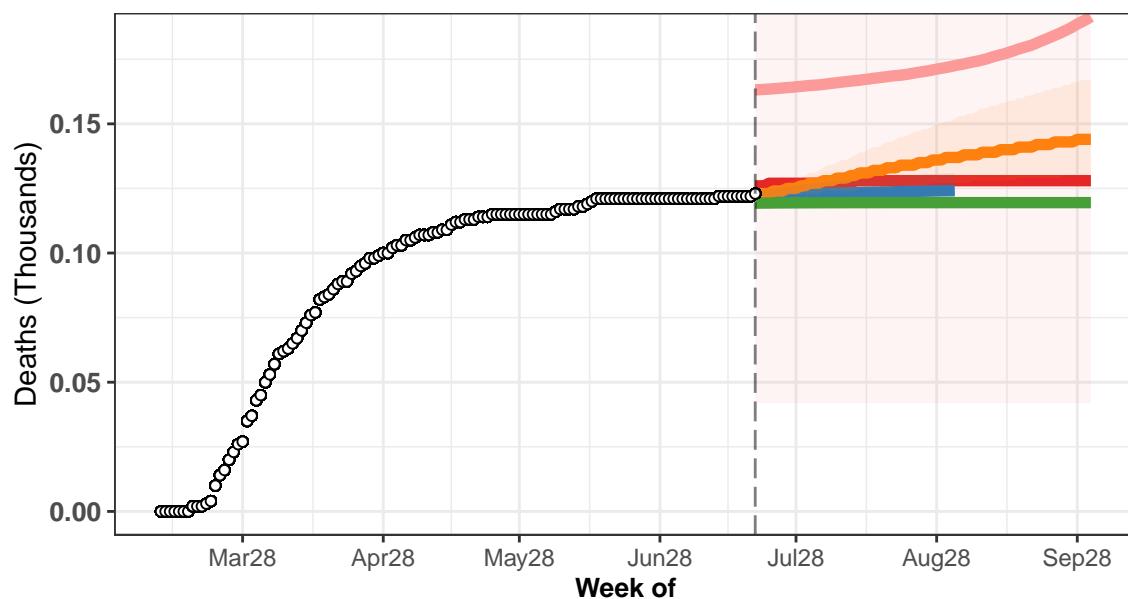
## All Cumulative Errors



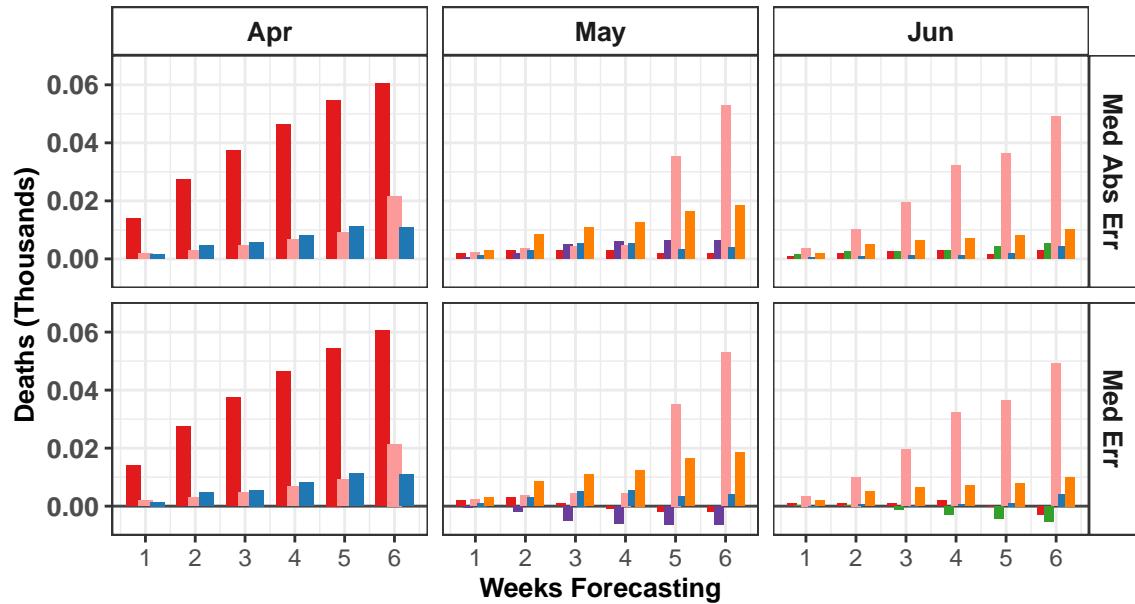
# Malaysia

## Current Forecast

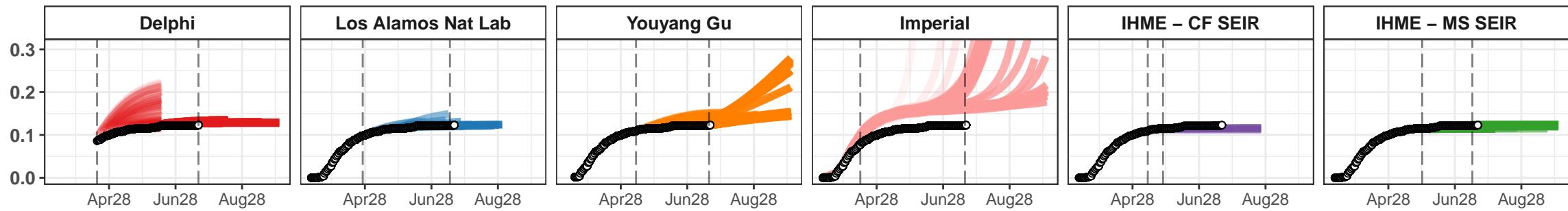
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



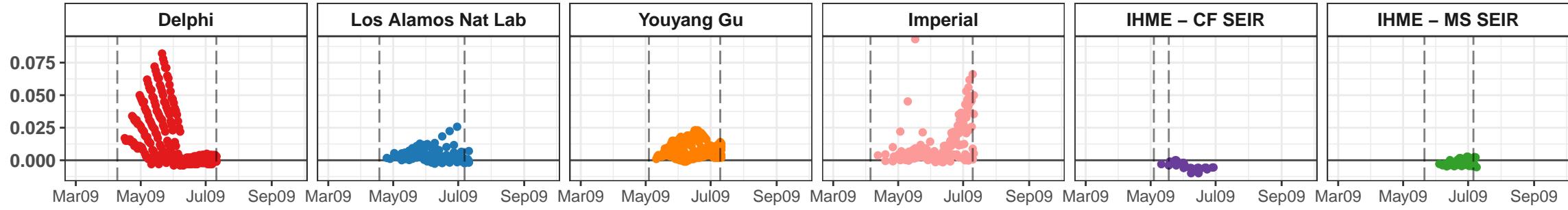
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

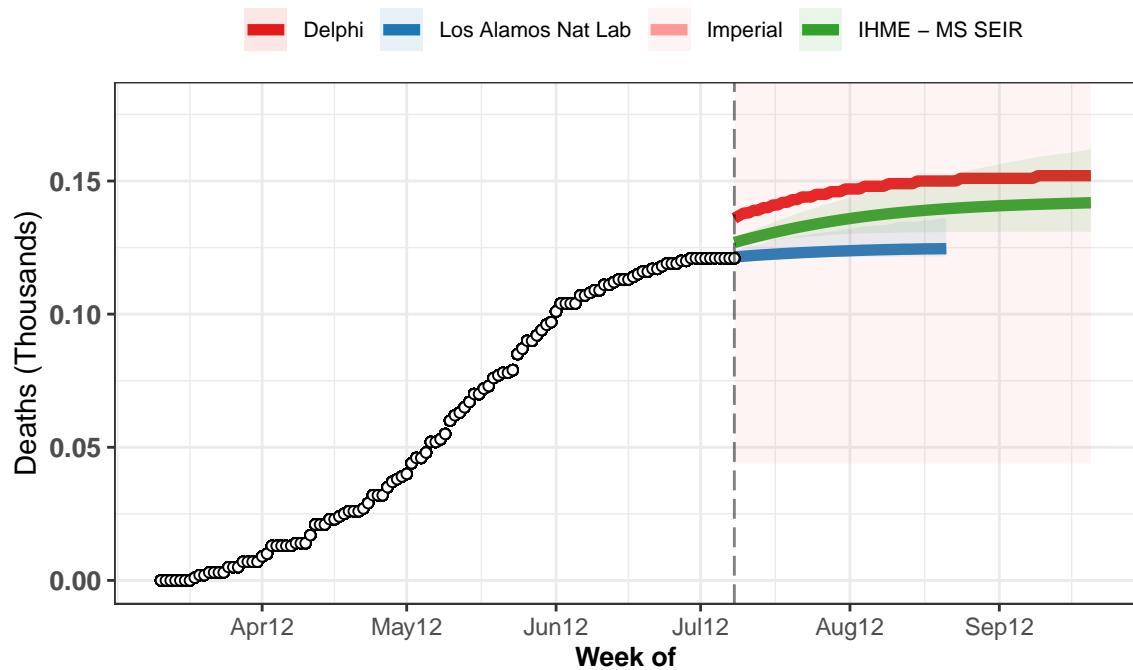


## All Cumulative Errors

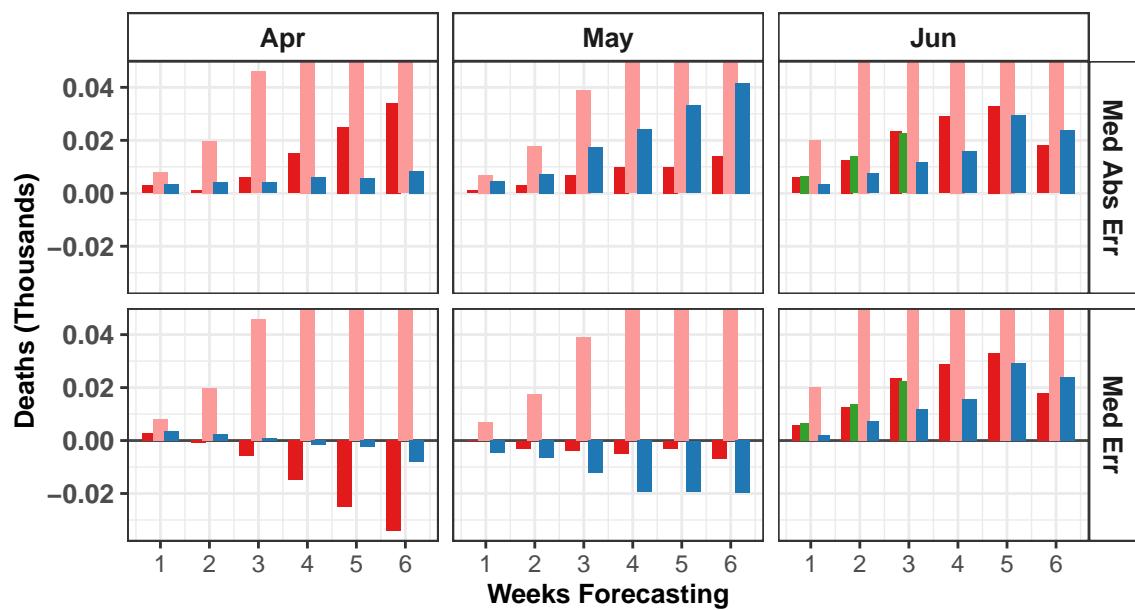


# Mali

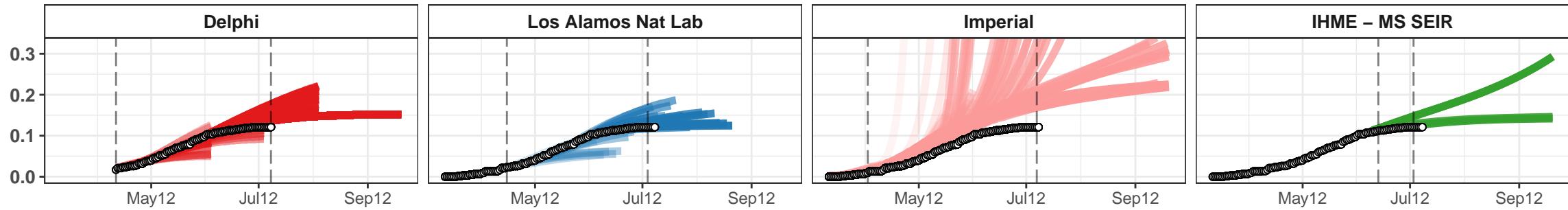
## Current Forecast



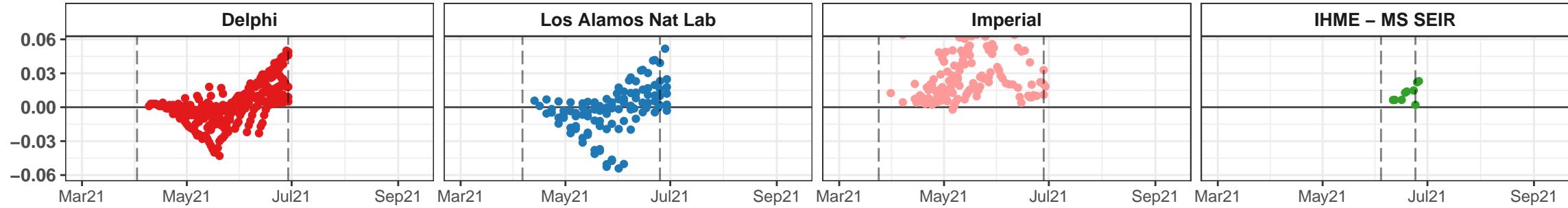
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

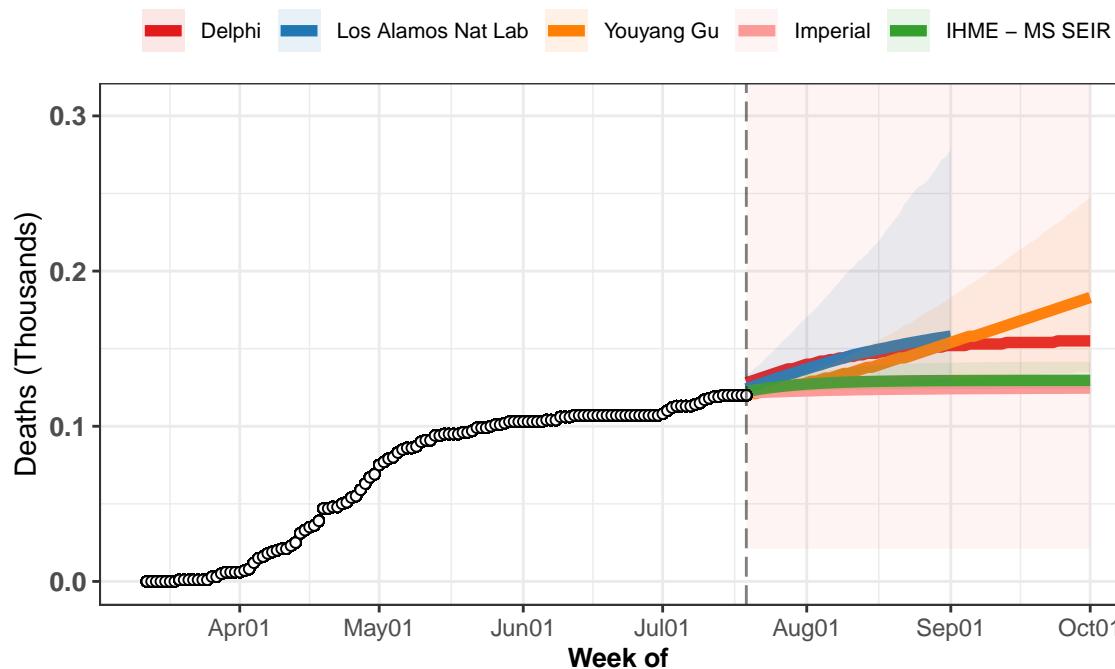


## All Cumulative Errors

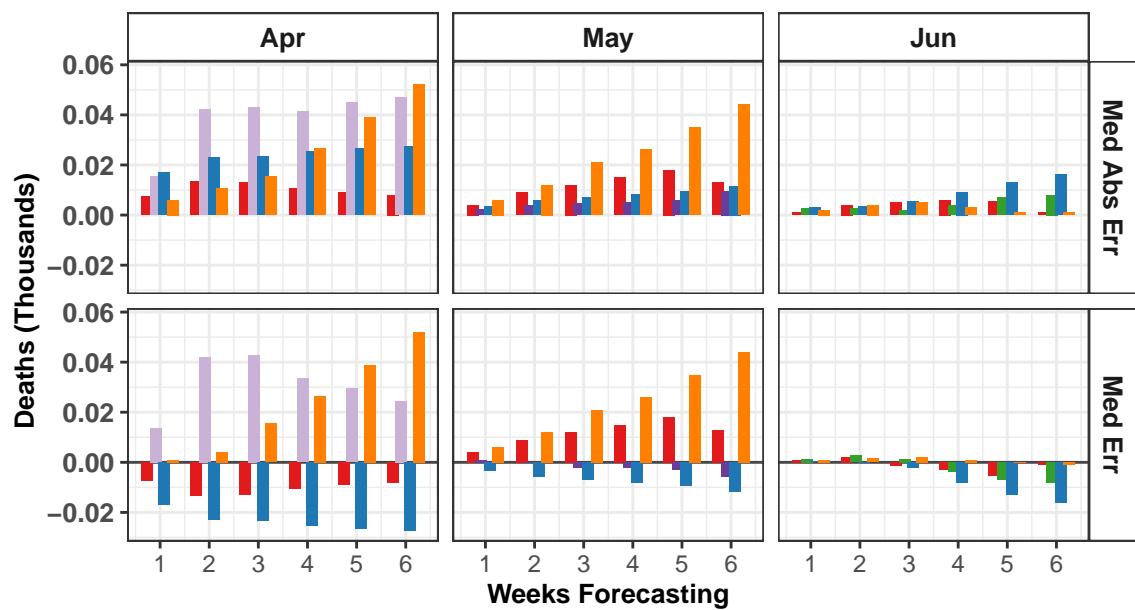


# Croatia

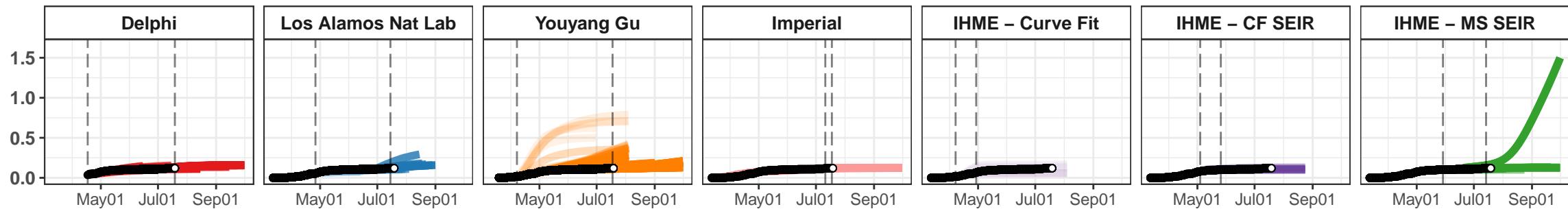
## Current Forecast



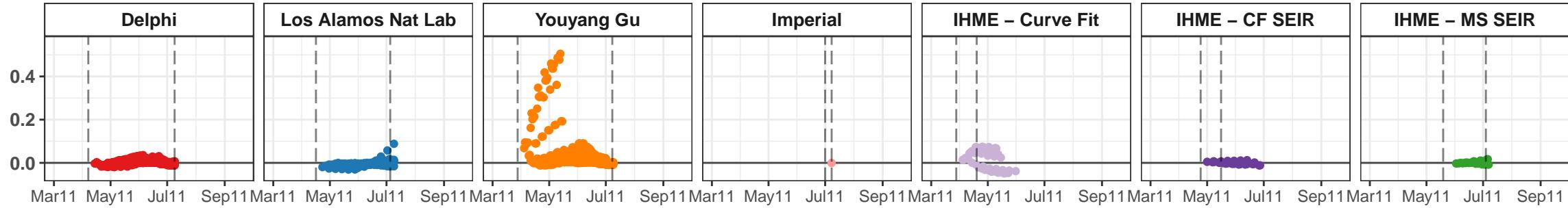
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



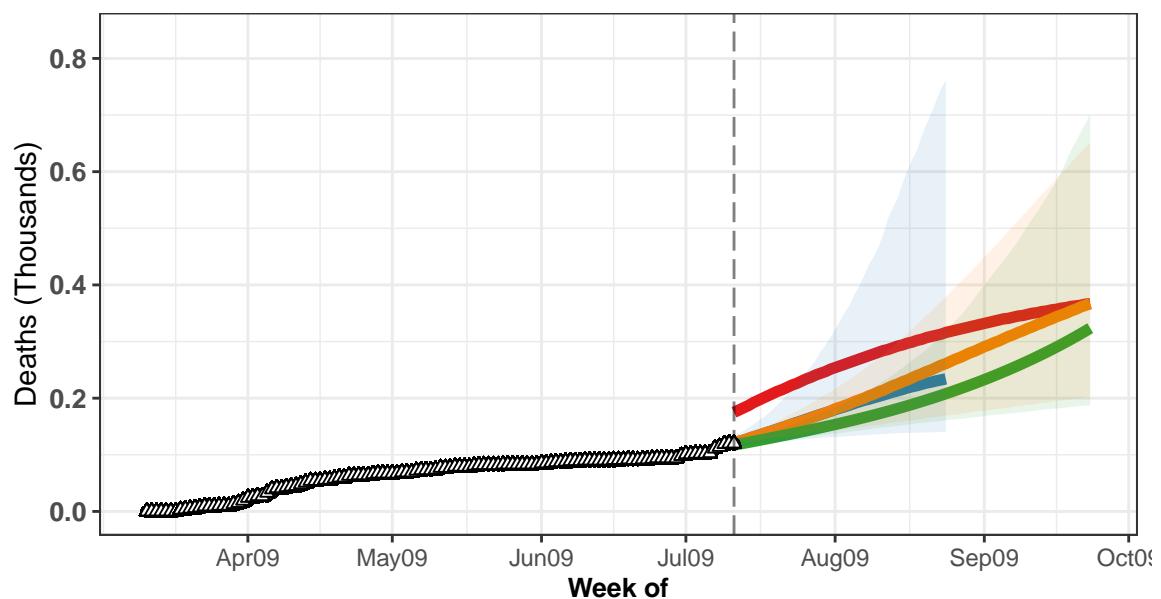
## All Cumulative Errors



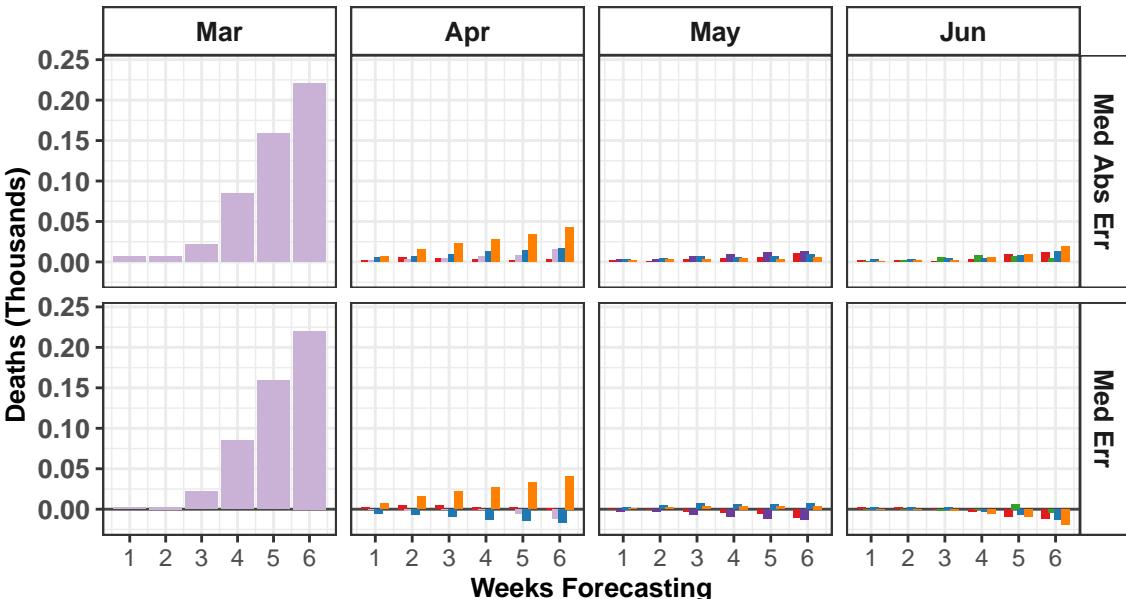
# Idaho

## Current Forecast

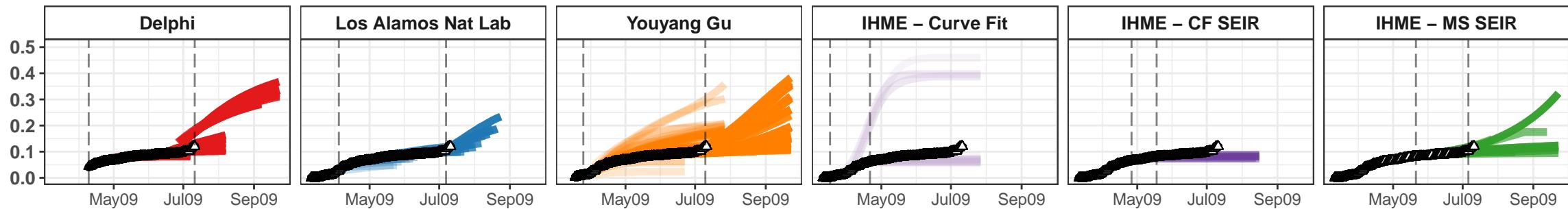
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



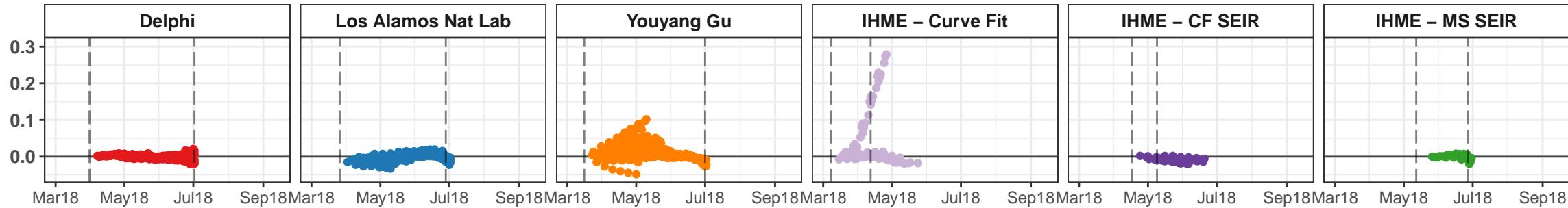
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

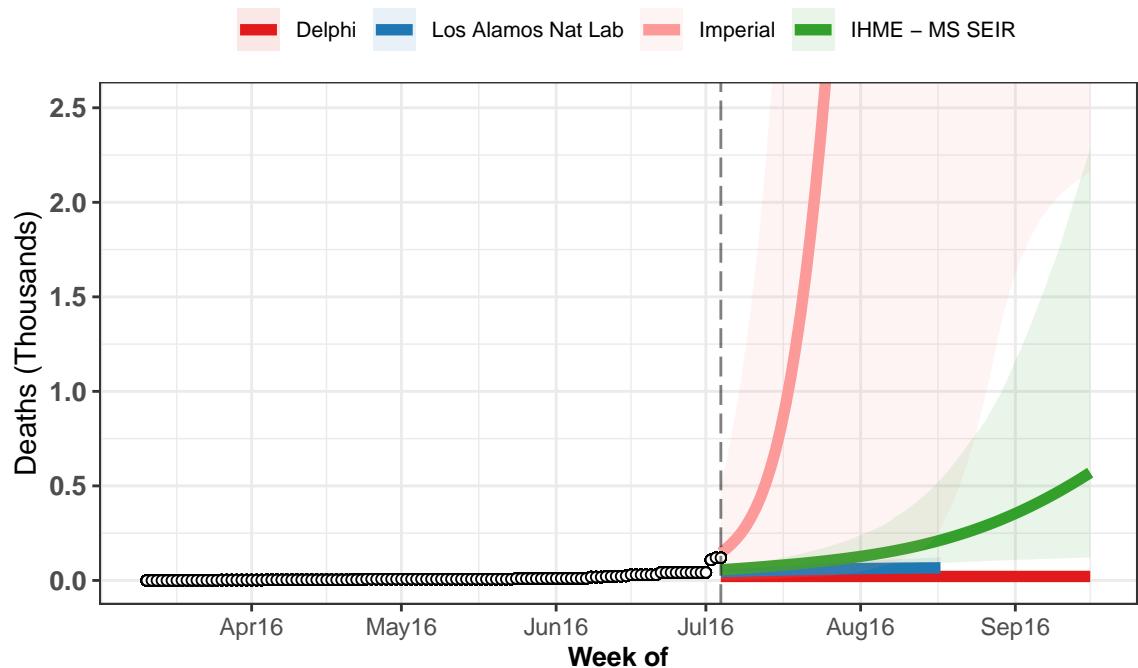


## All Cumulative Errors

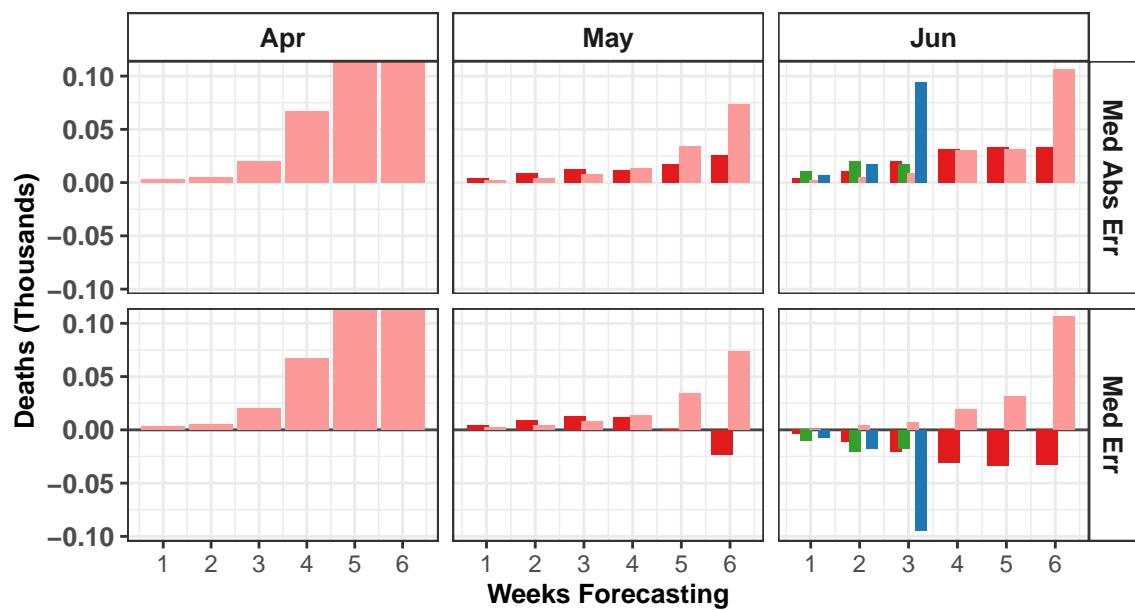


# Zambia

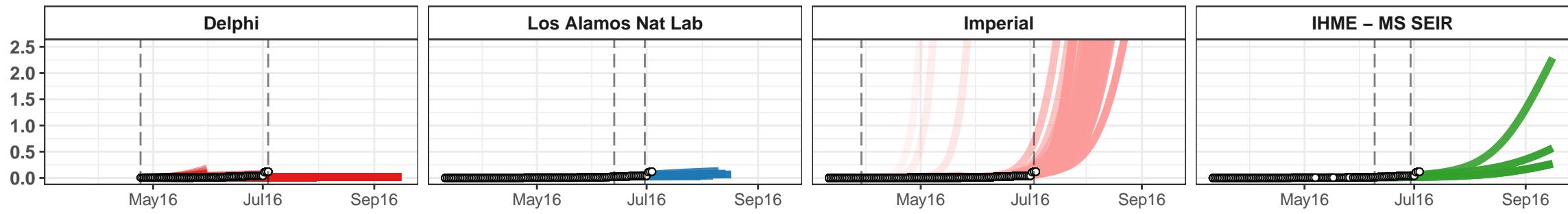
## Current Forecast



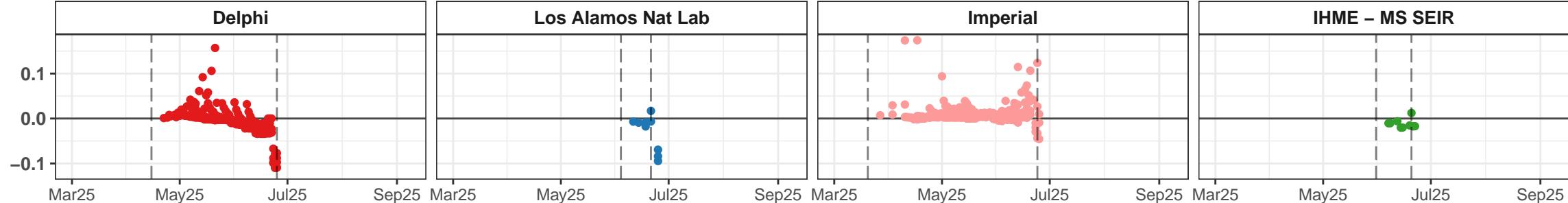
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



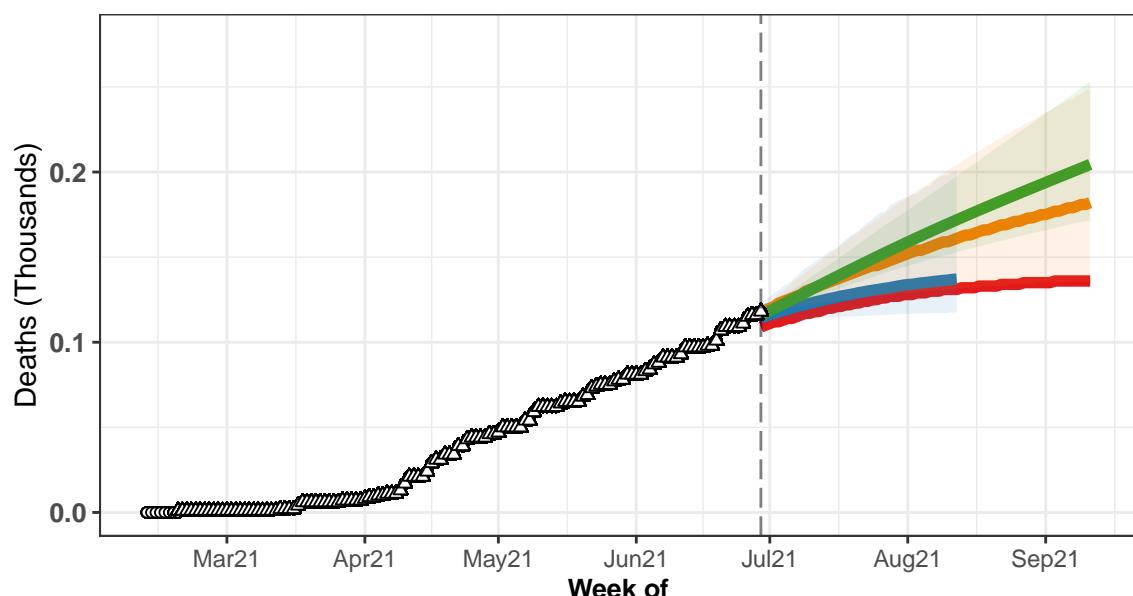
## All Cumulative Errors



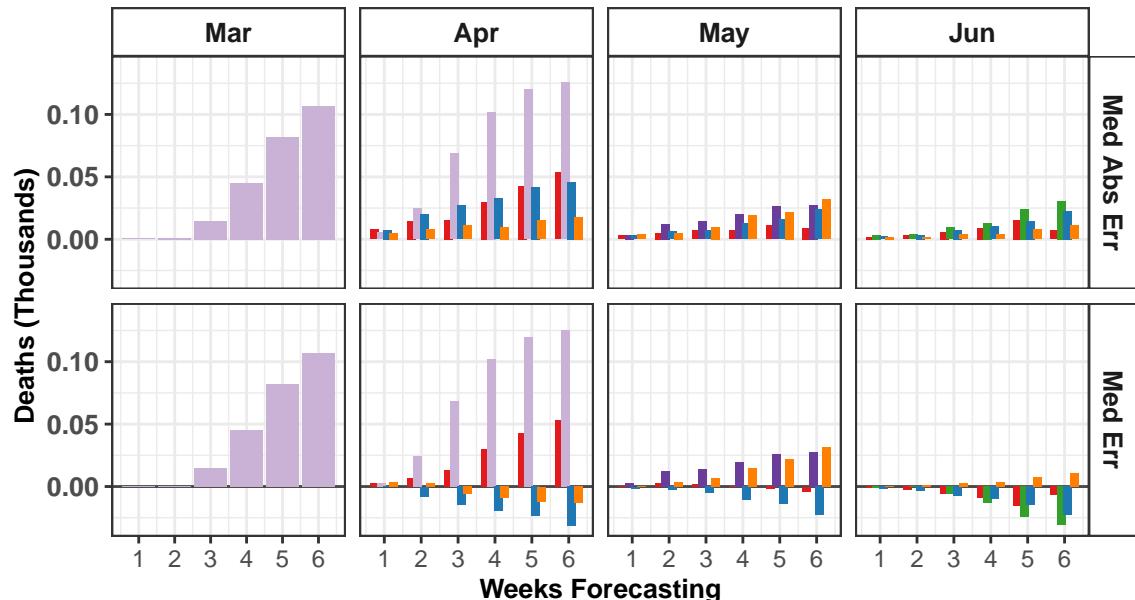
# South Dakota

## Current Forecast

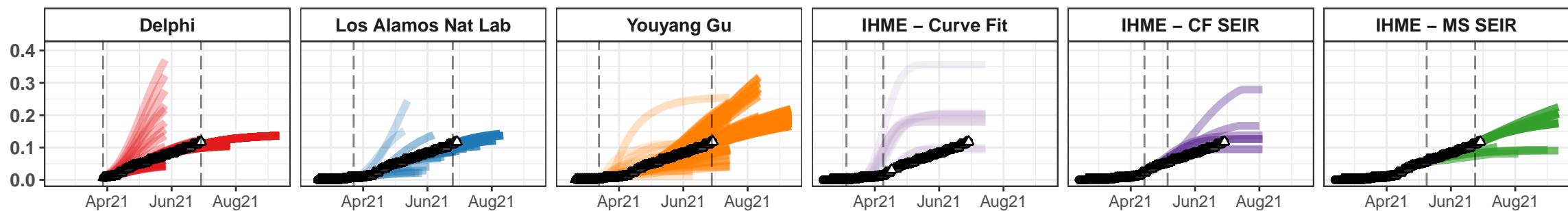
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



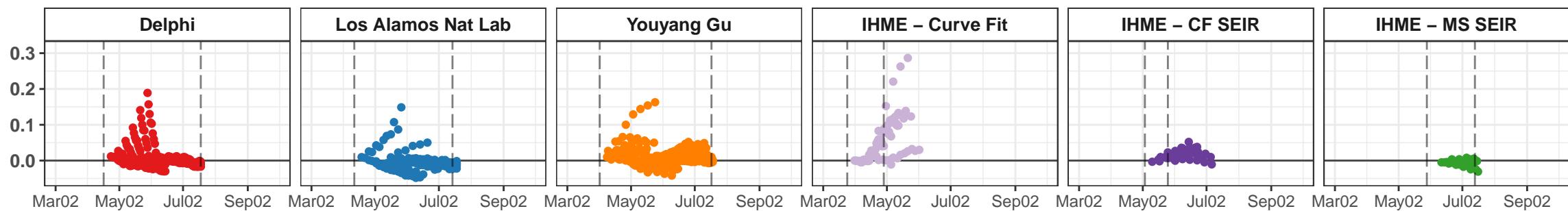
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



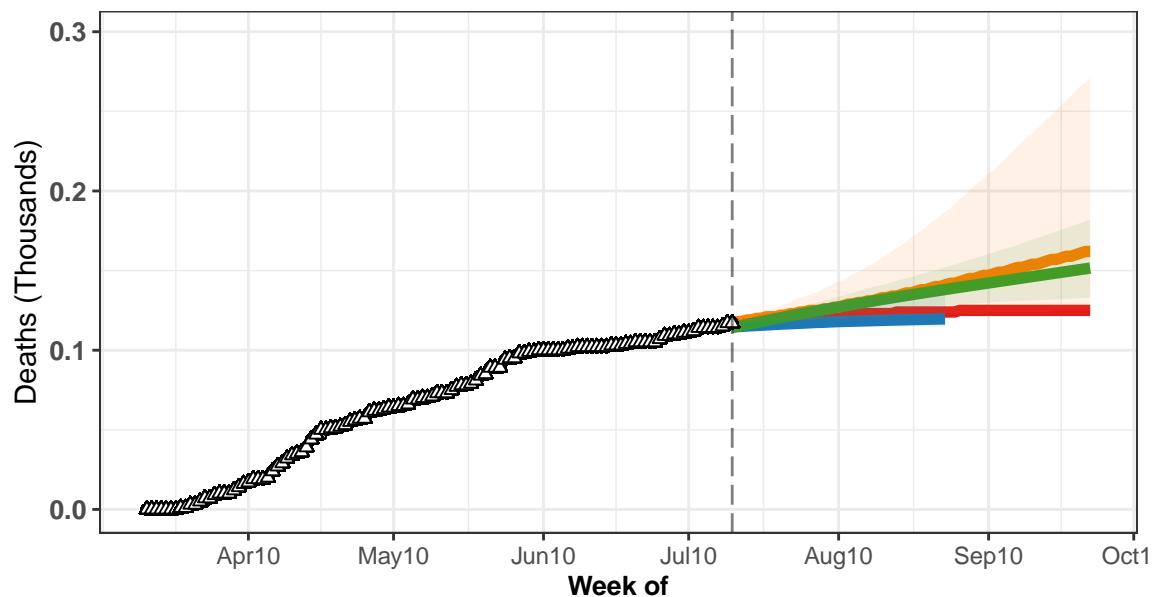
## All Cumulative Errors



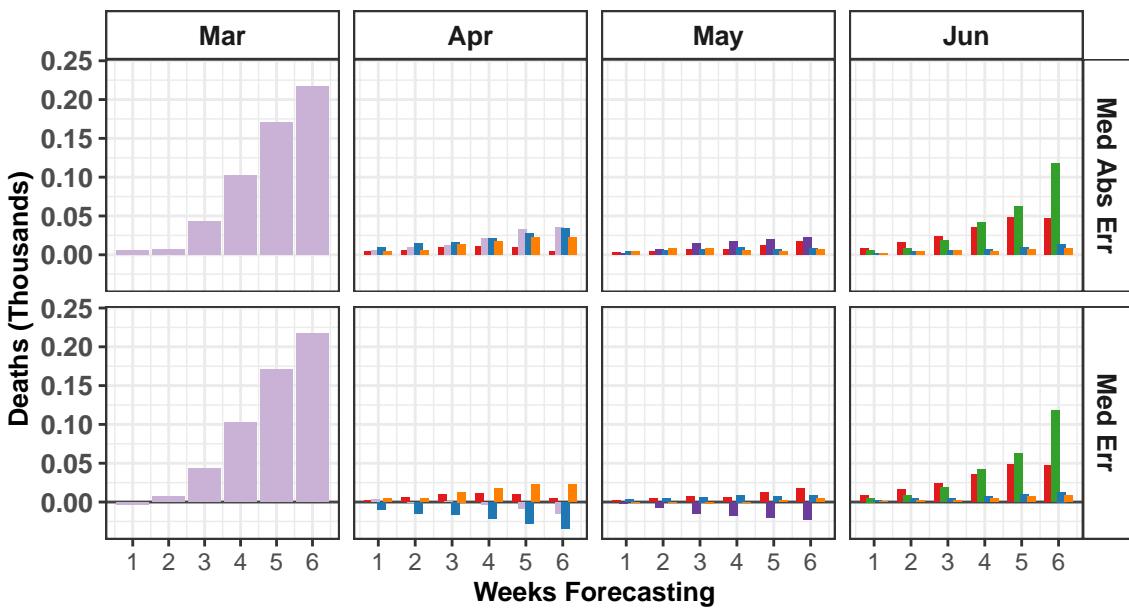
# Maine

## Current Forecast

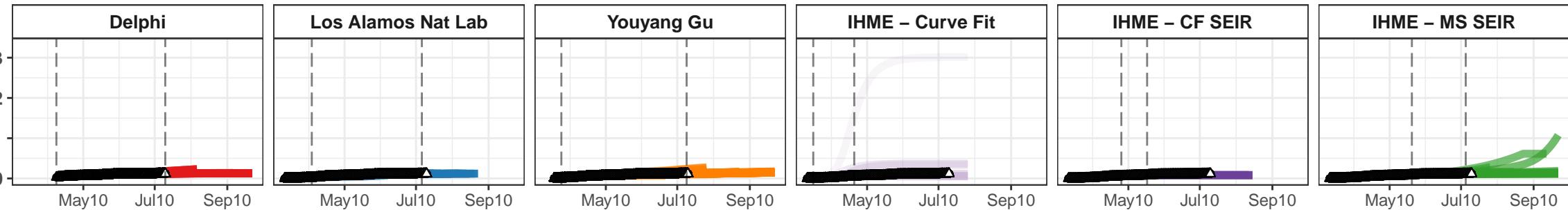
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



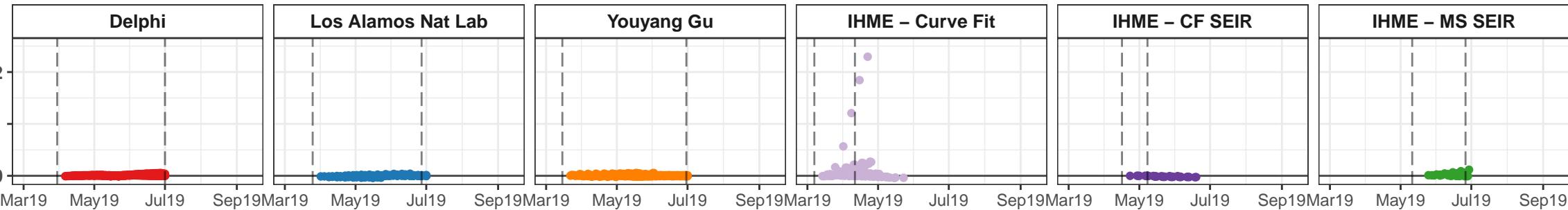
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

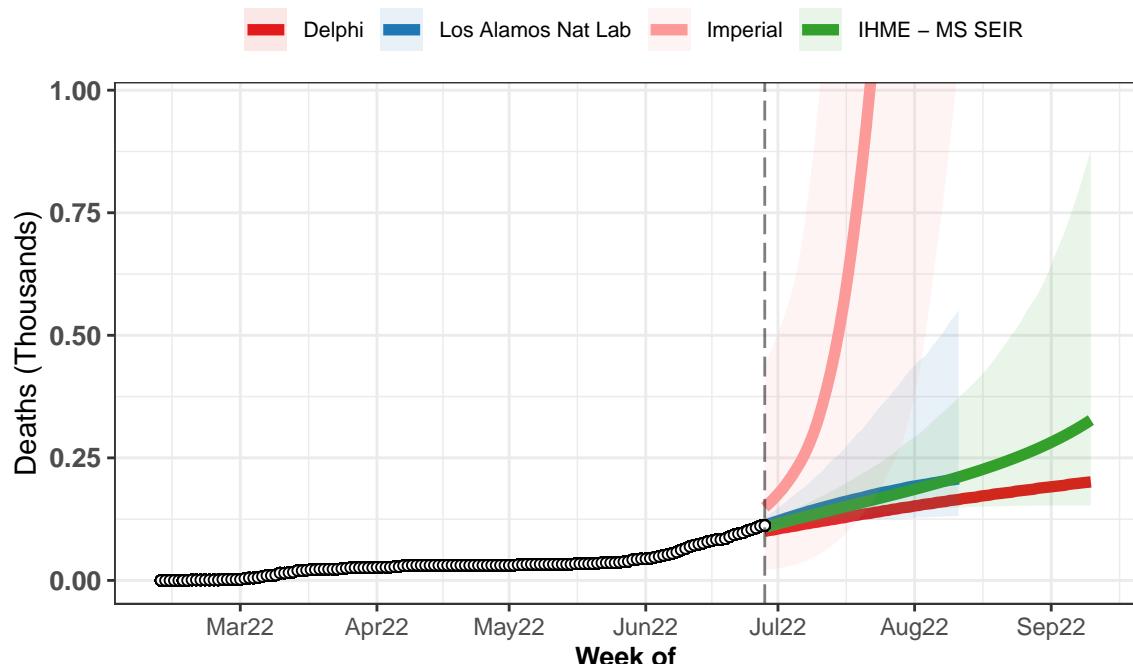


## All Cumulative Errors

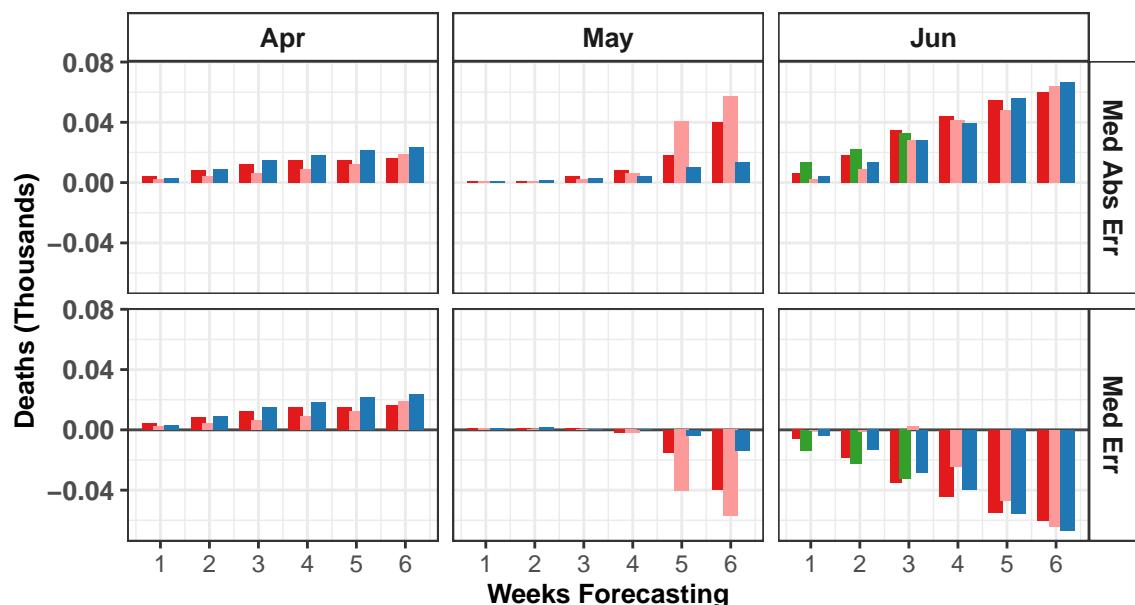


# Albania

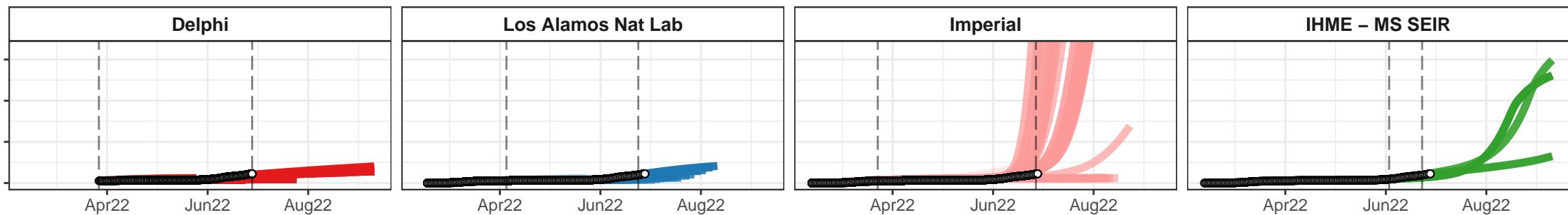
## Current Forecast



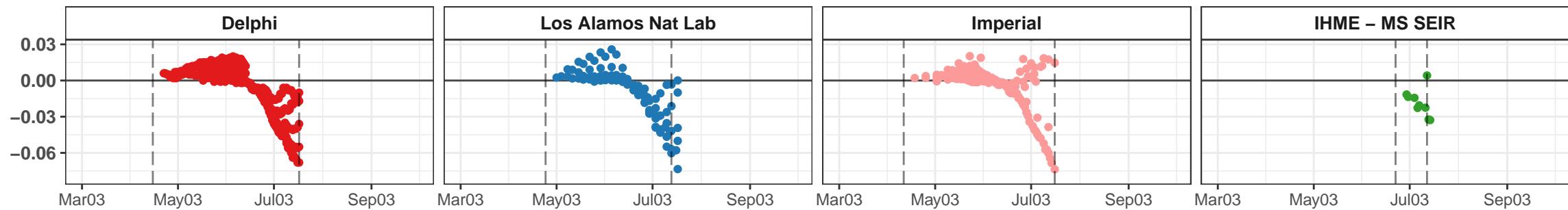
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

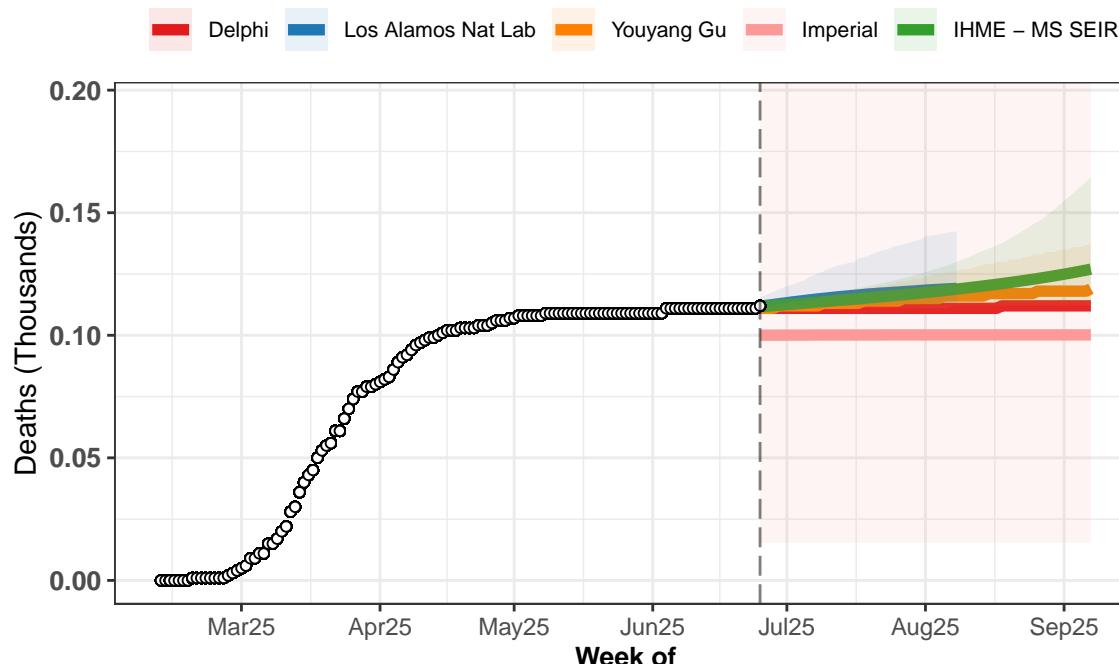


## All Cumulative Errors

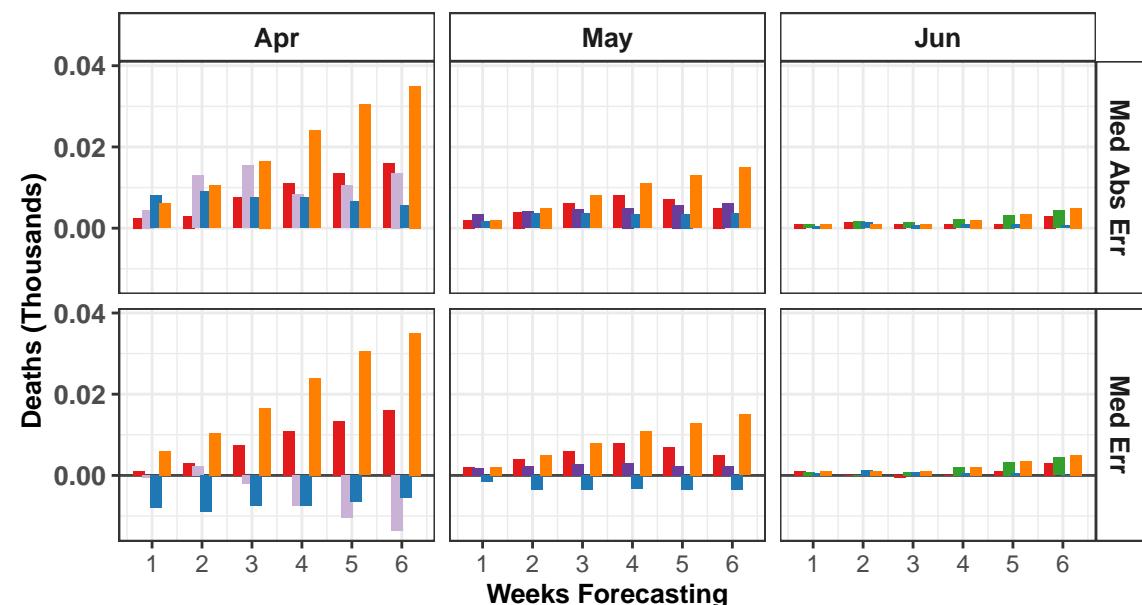


# Slovenia

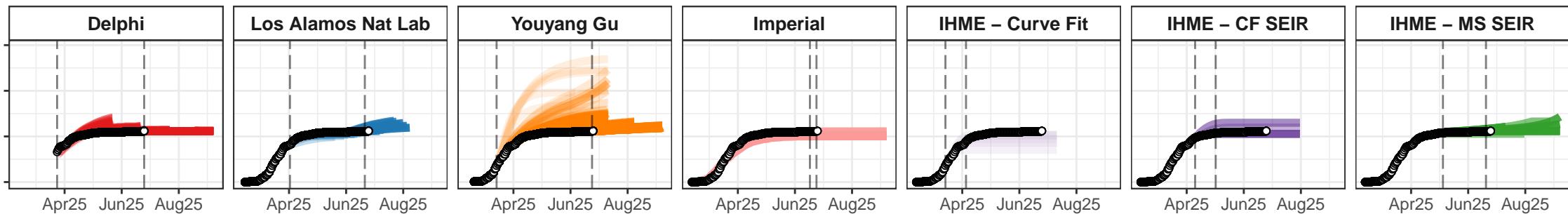
## Current Forecast



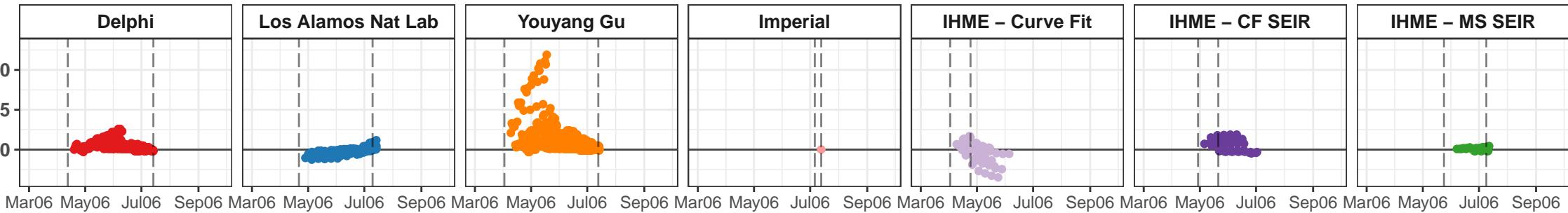
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



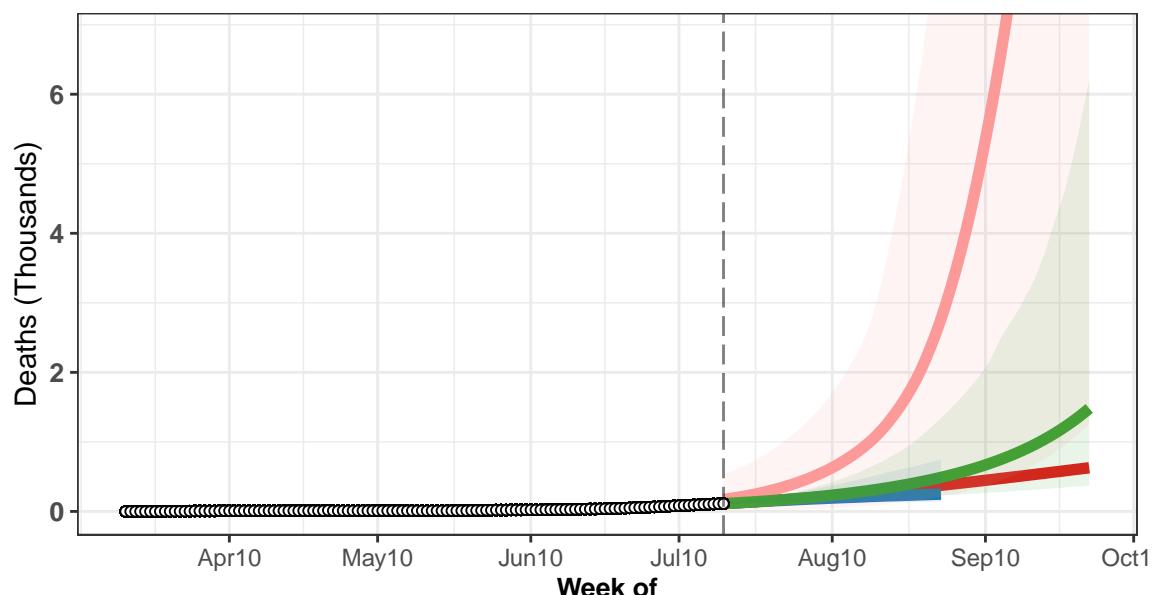
## All Cumulative Errors



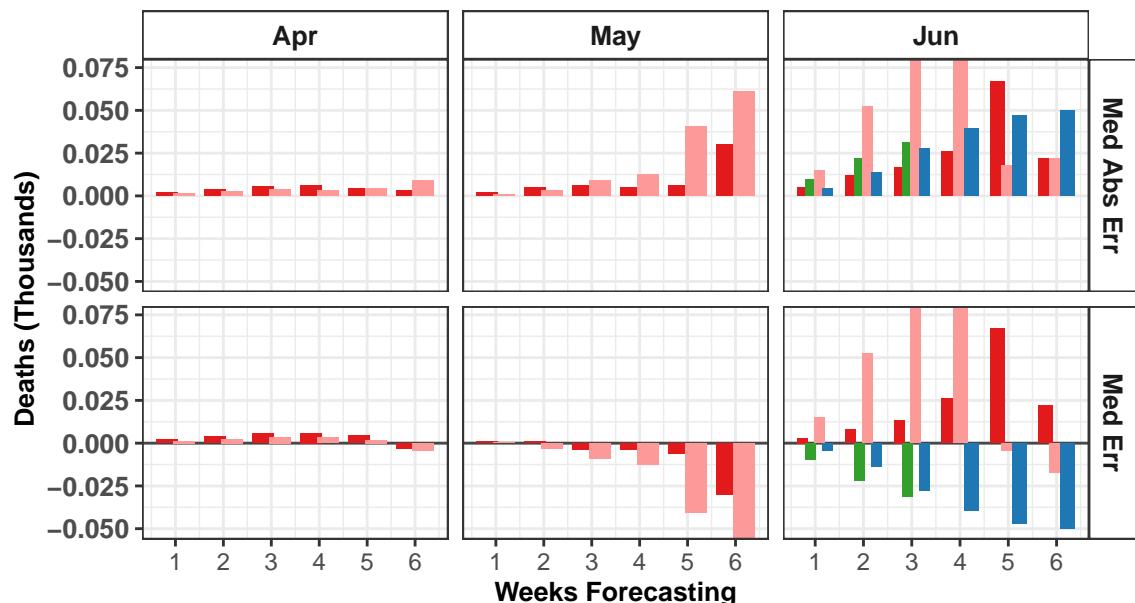
# Venezuela

## Current Forecast

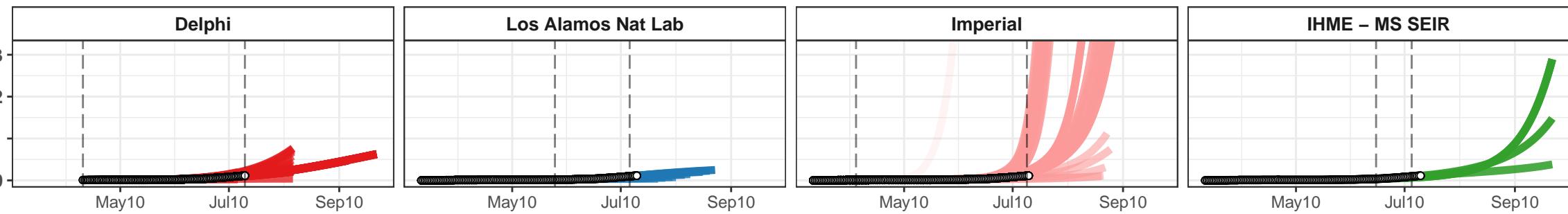
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



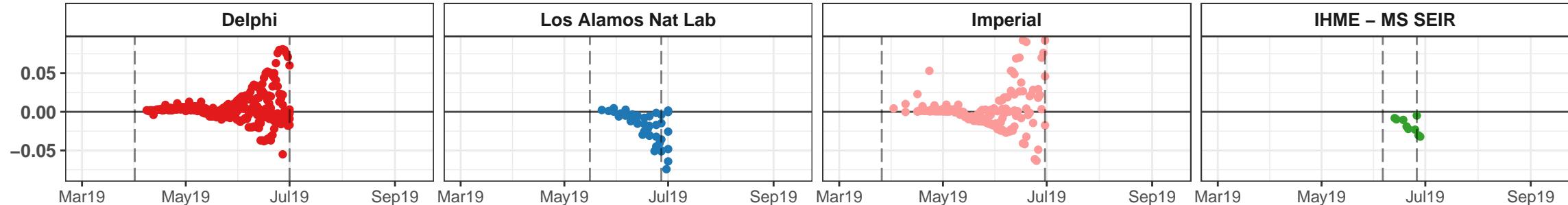
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

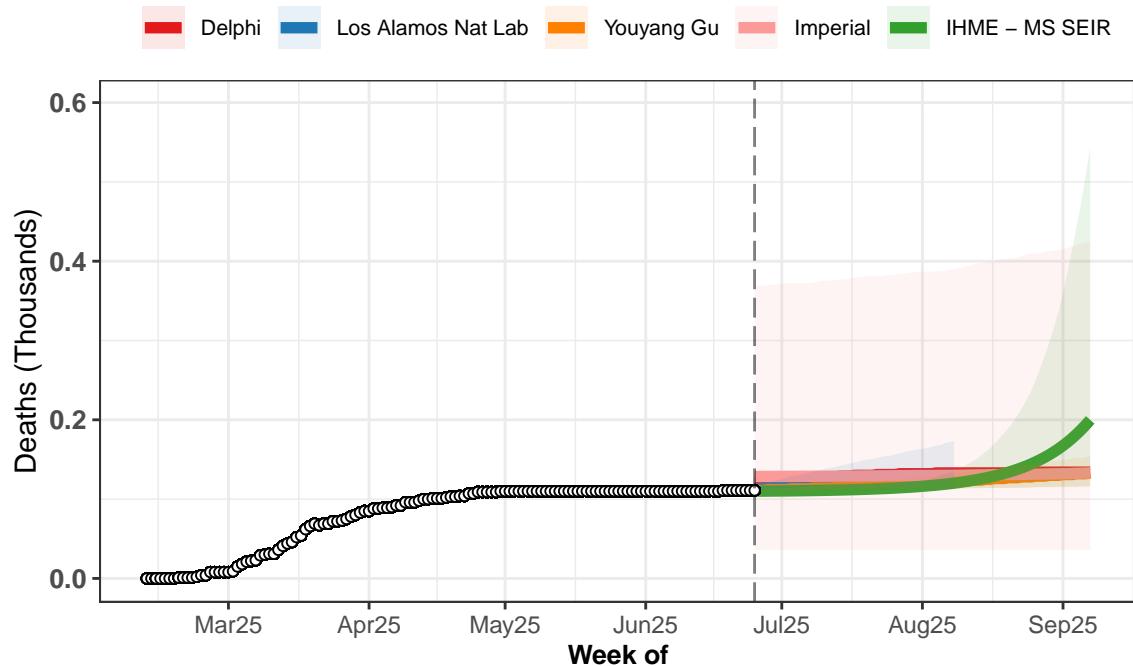


## All Cumulative Errors

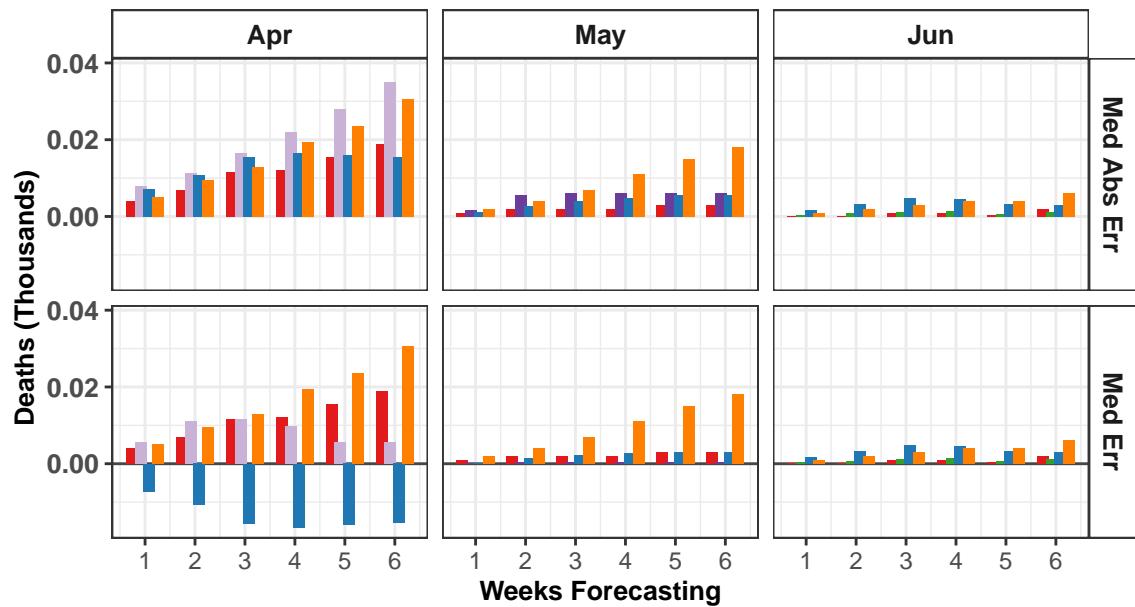


# Luxembourg

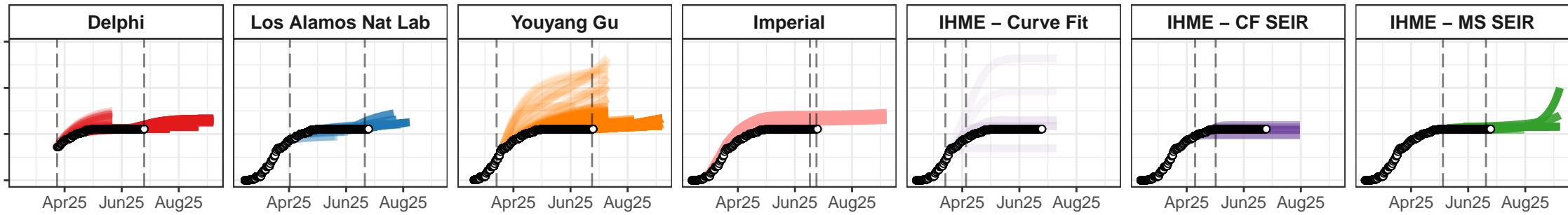
## Current Forecast



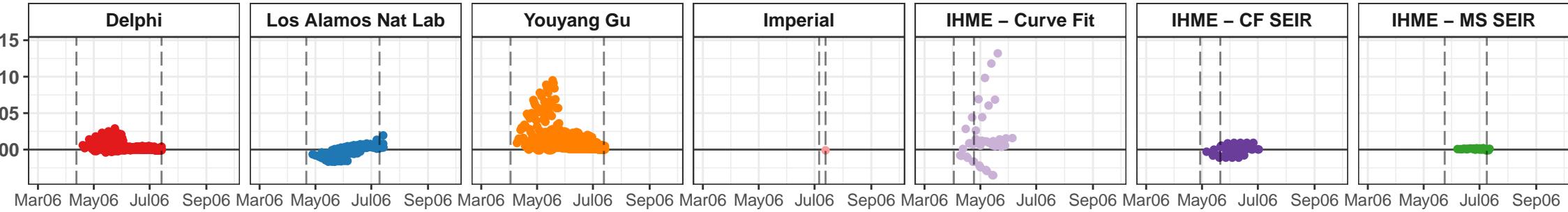
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



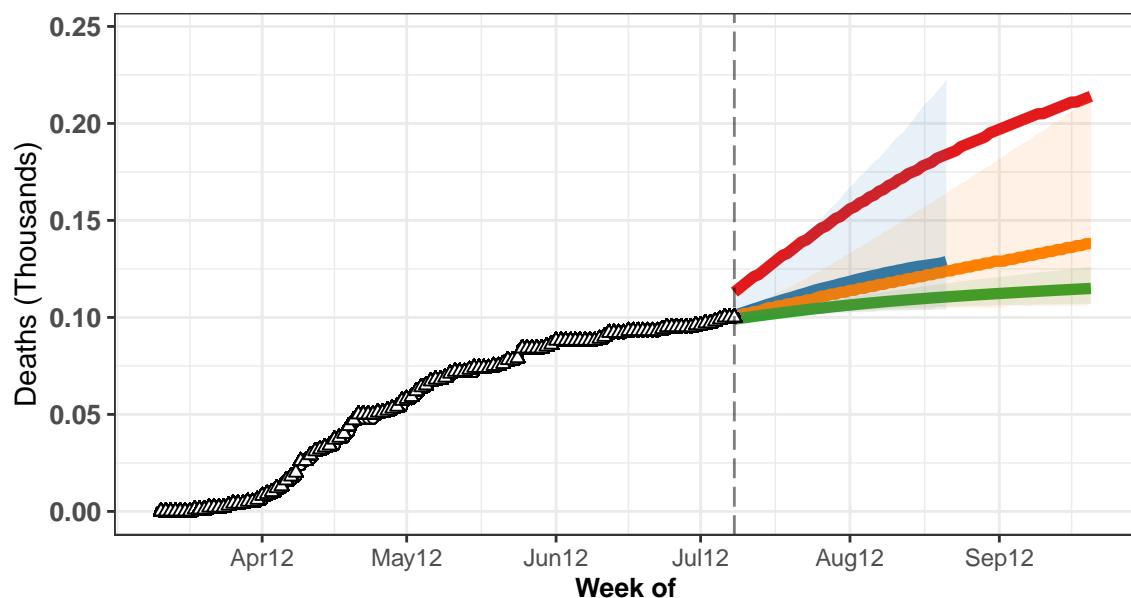
## All Cumulative Errors



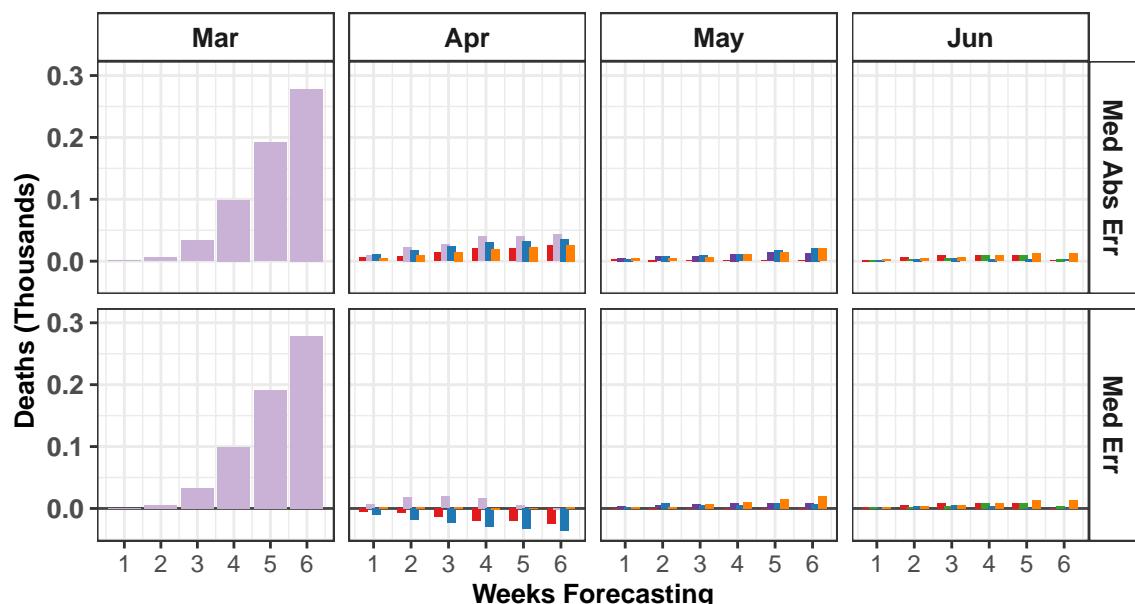
# West Virginia

## Current Forecast

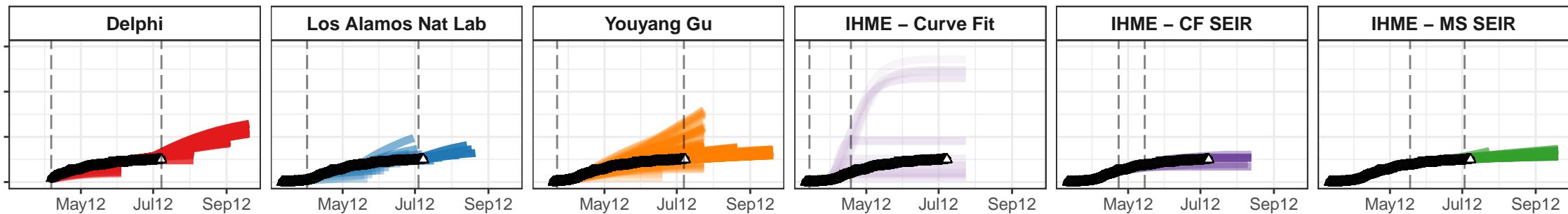
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NY



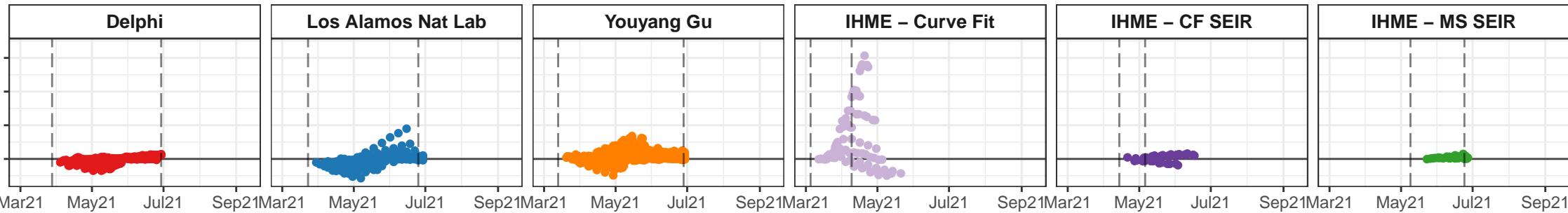
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

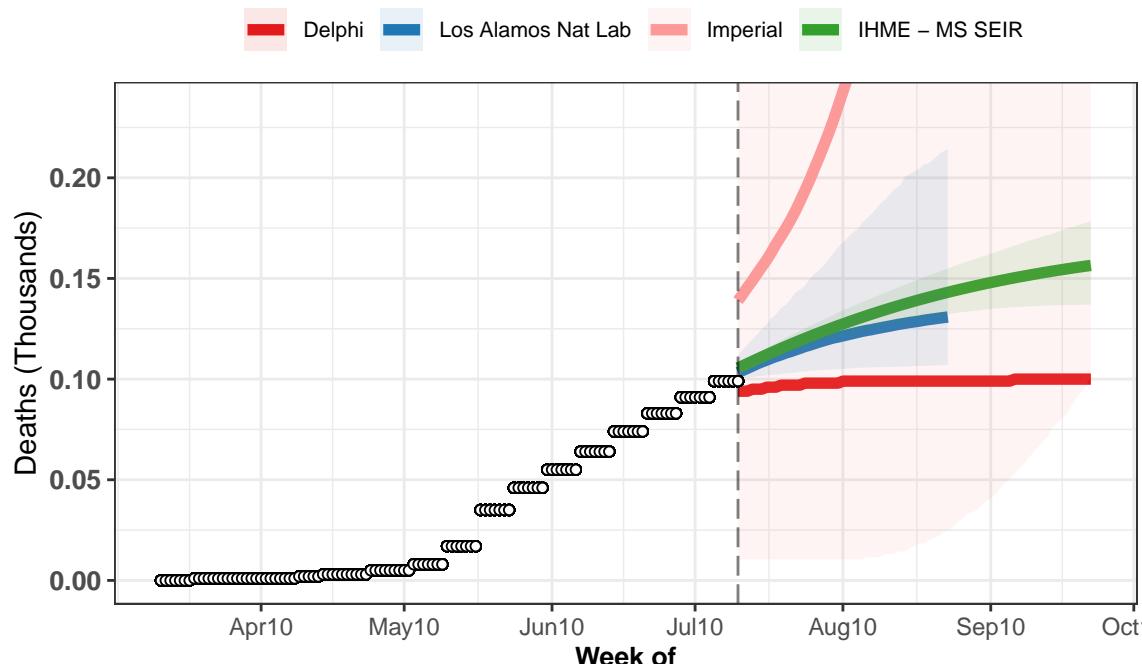


## All Cumulative Errors

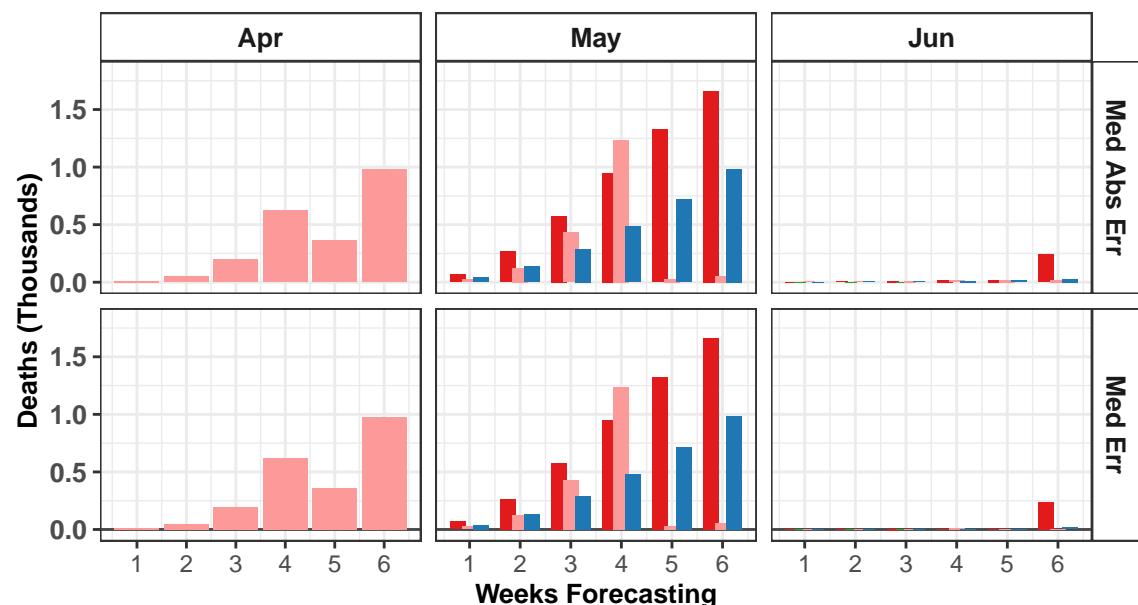


# Nicaragua

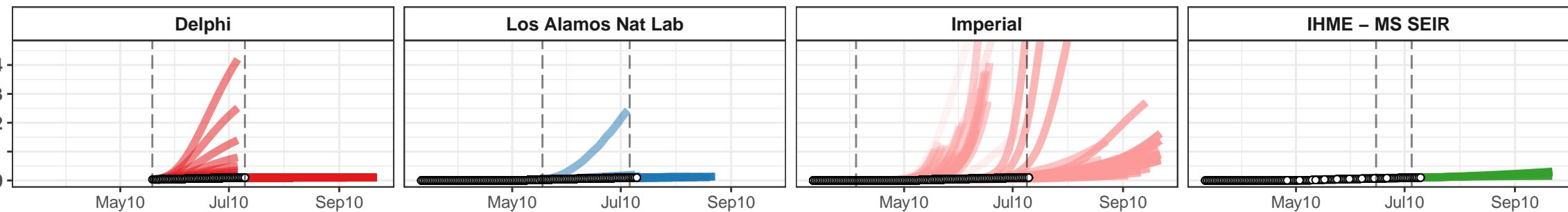
## Current Forecast



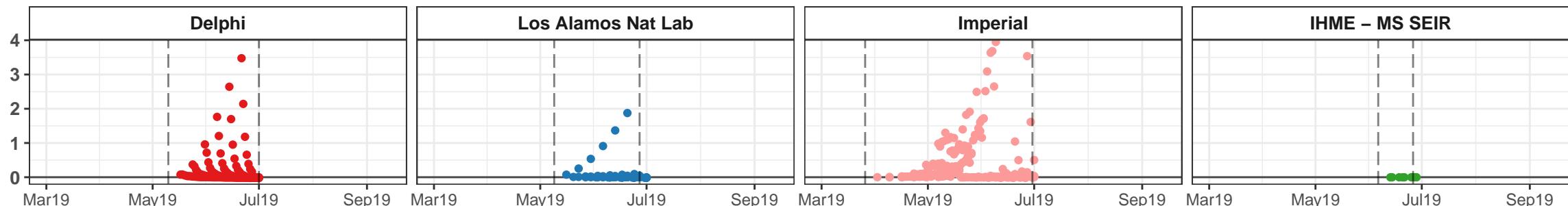
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



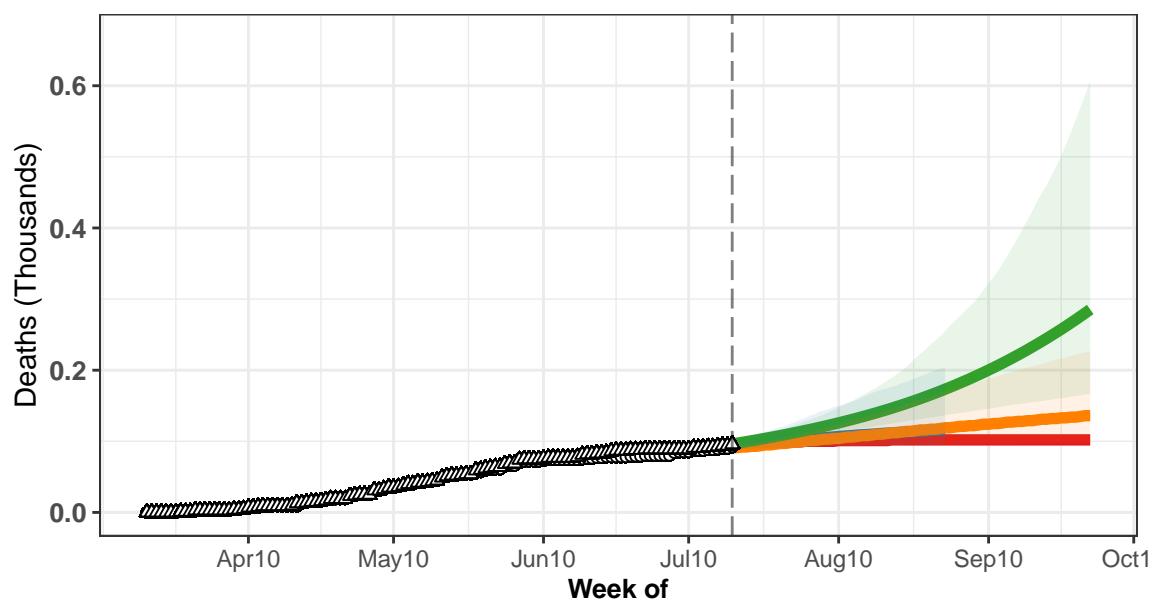
## All Cumulative Errors



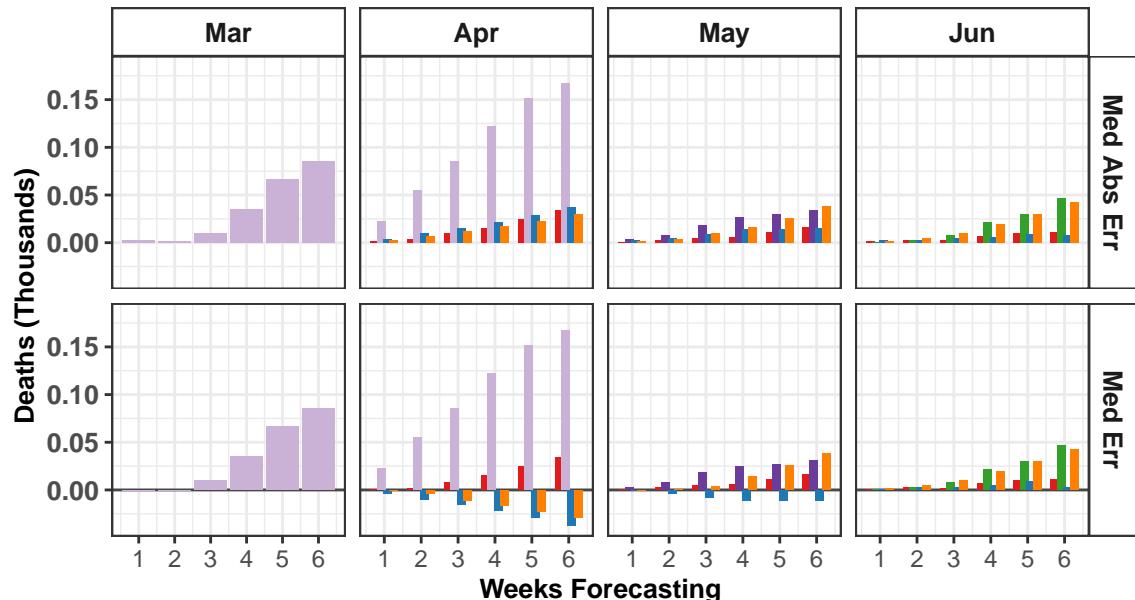
# North Dakota

## Current Forecast

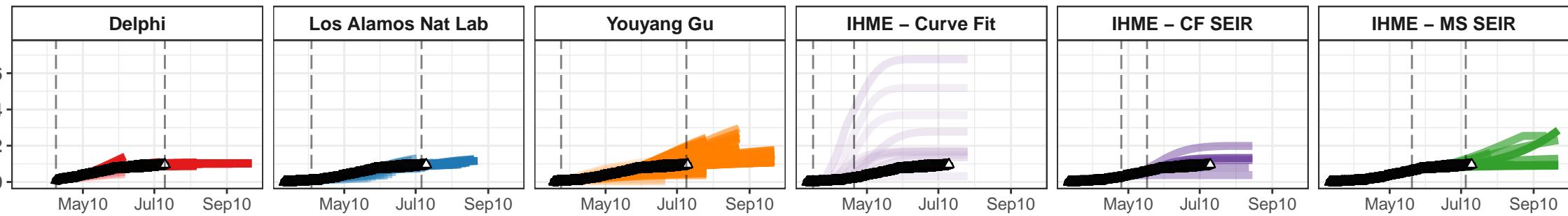
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NYT



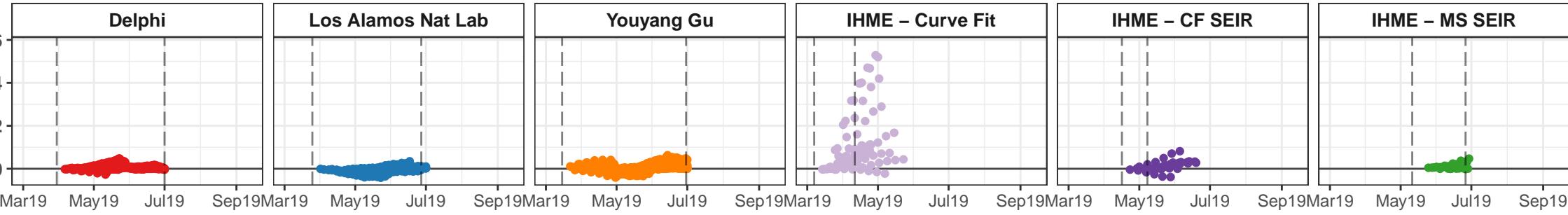
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

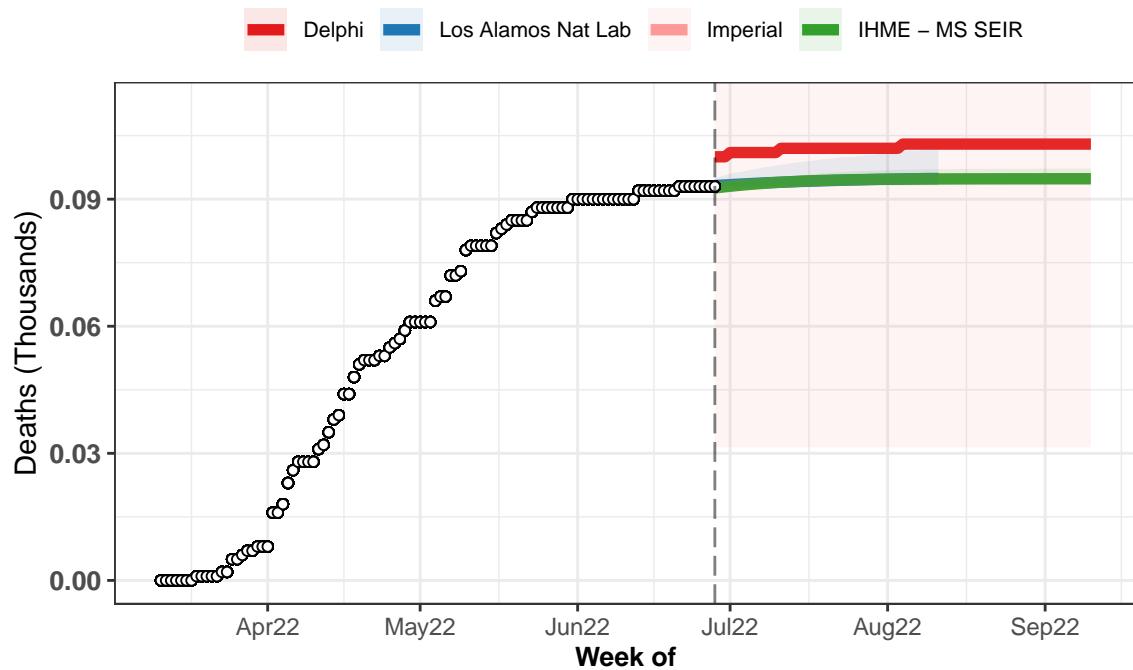


## All Cumulative Errors

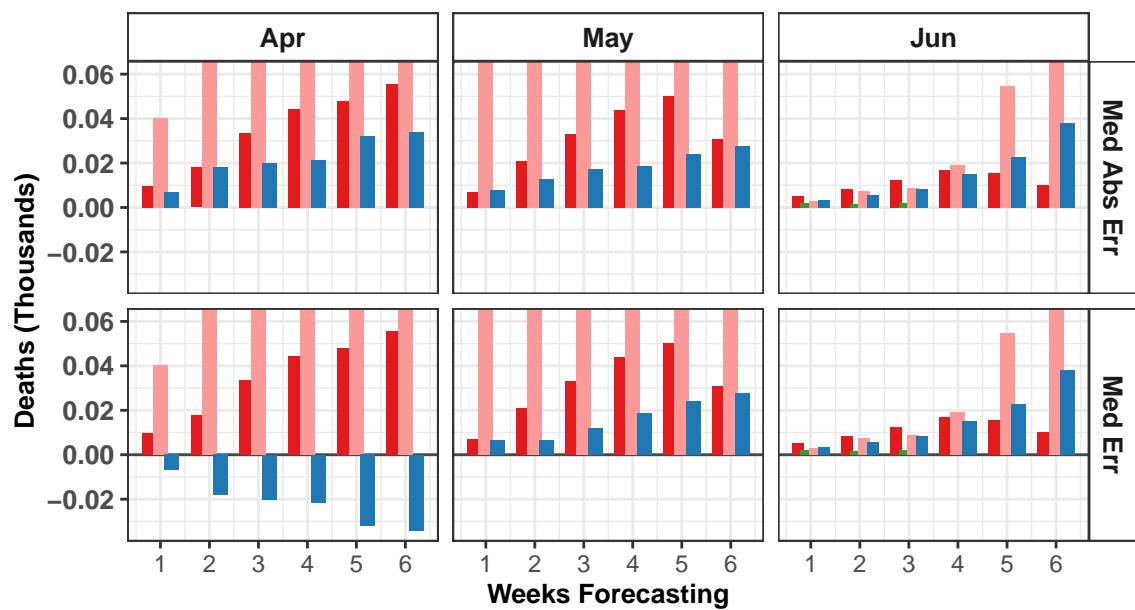


# Somalia

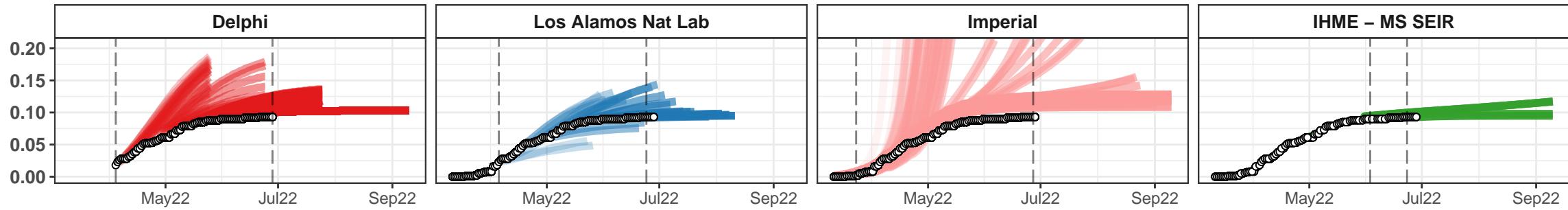
## Current Forecast



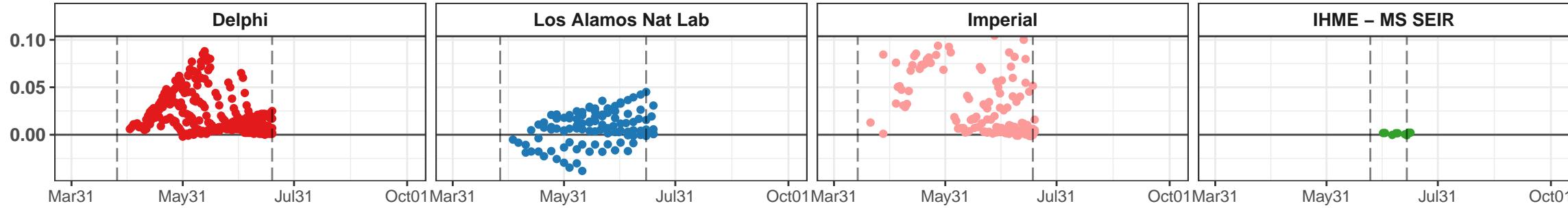
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

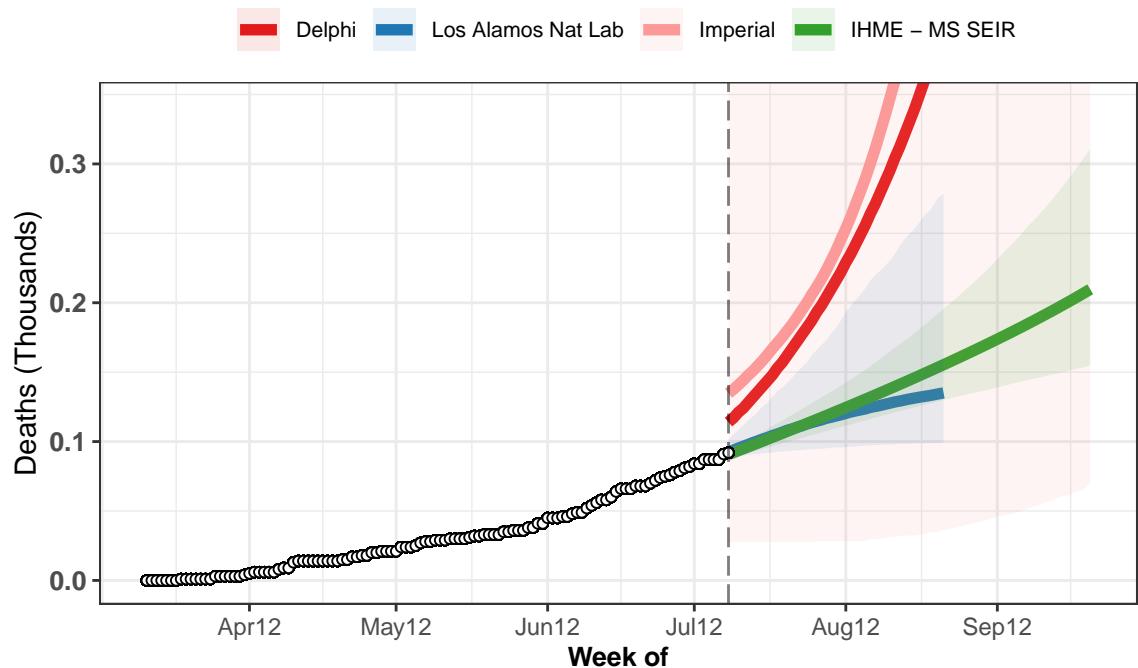


## All Cumulative Errors

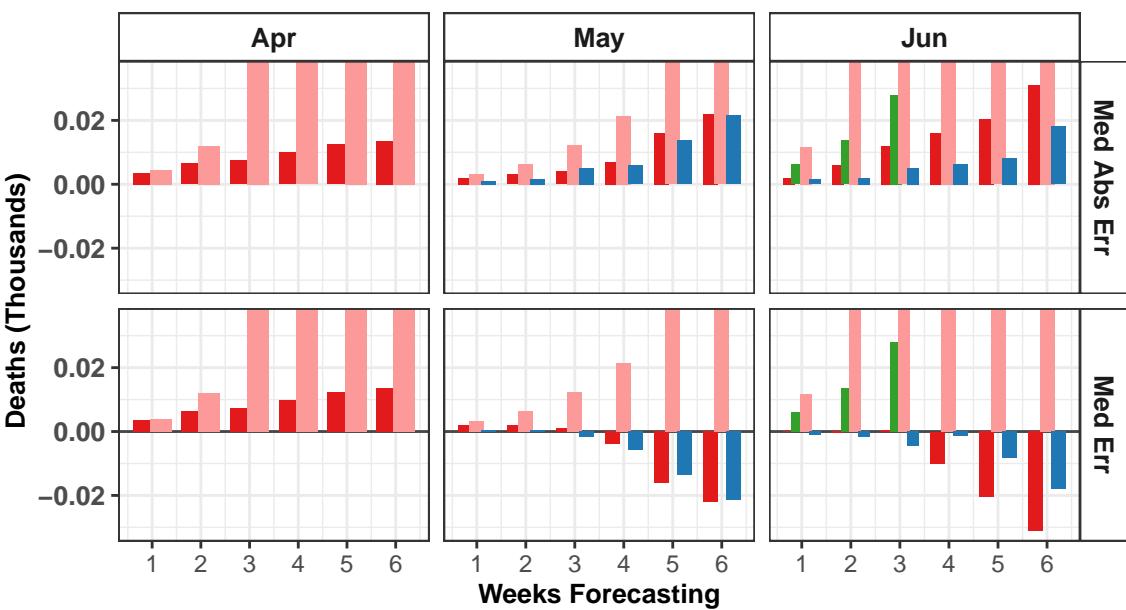


# Cote d'Ivoire

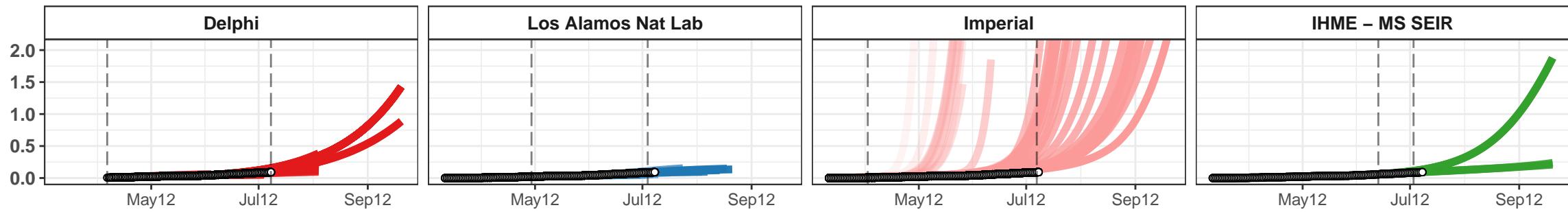
## Current Forecast



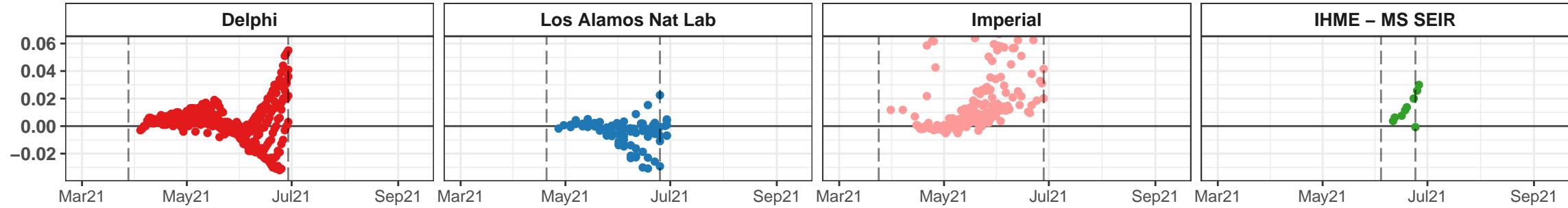
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



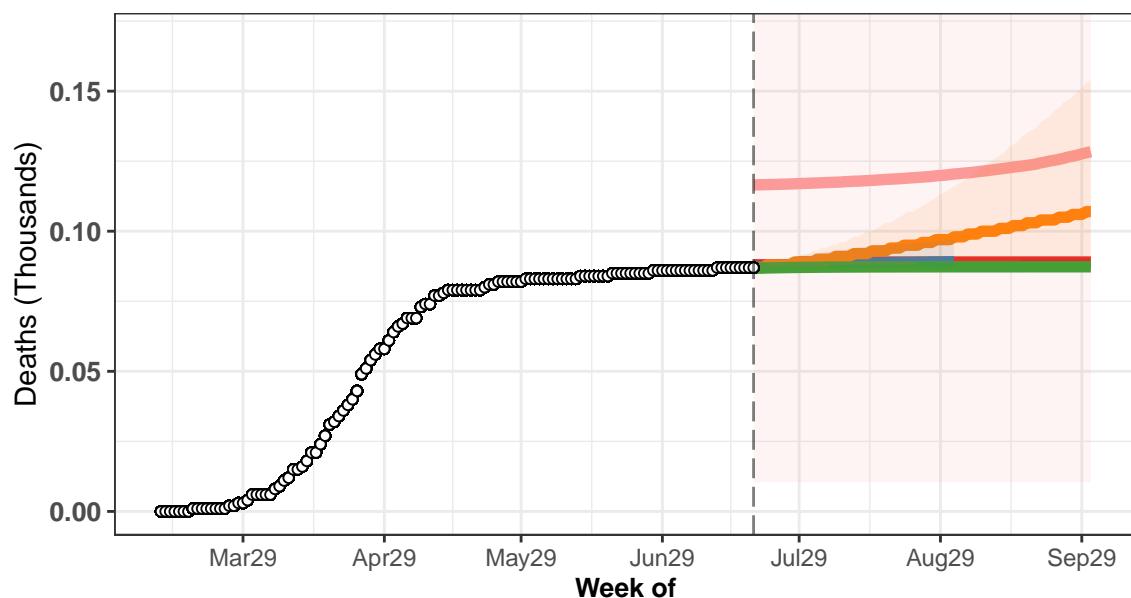
## All Cumulative Errors



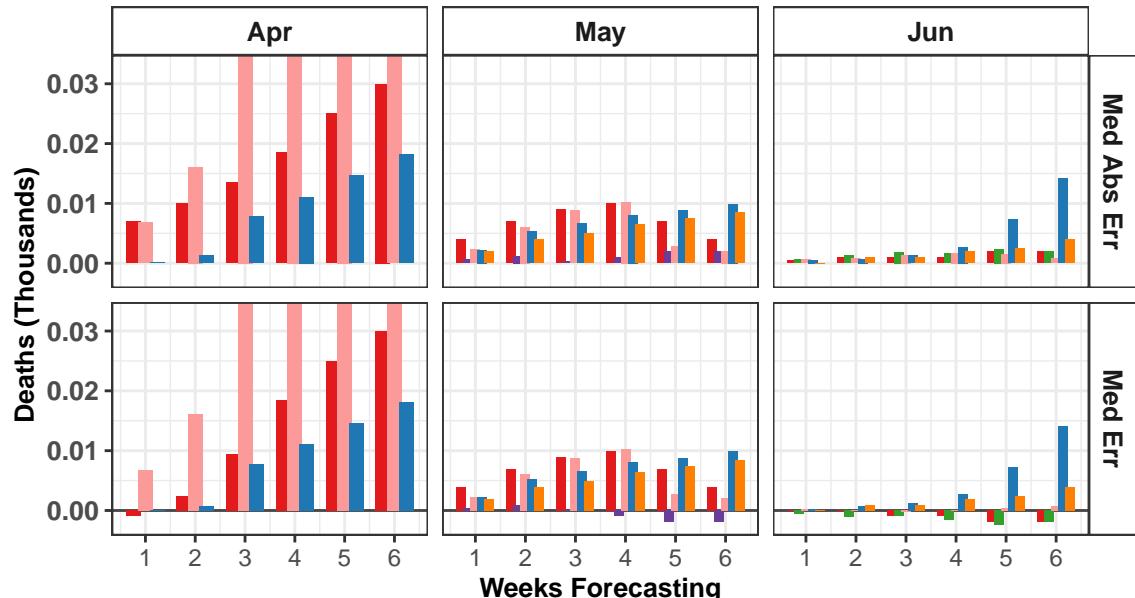
# Cuba

## Current Forecast

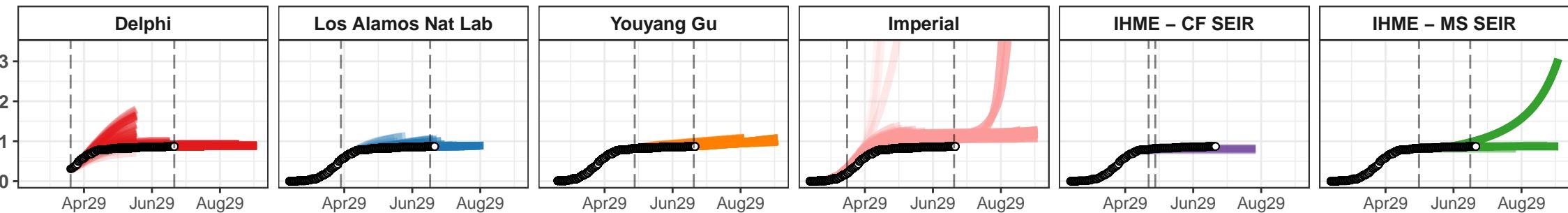
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



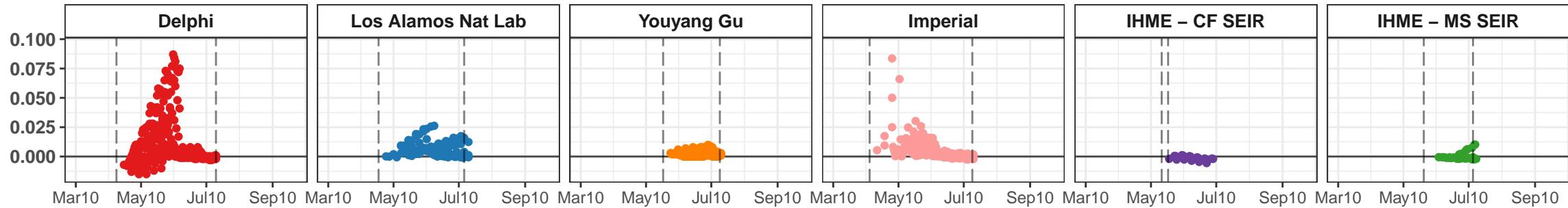
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

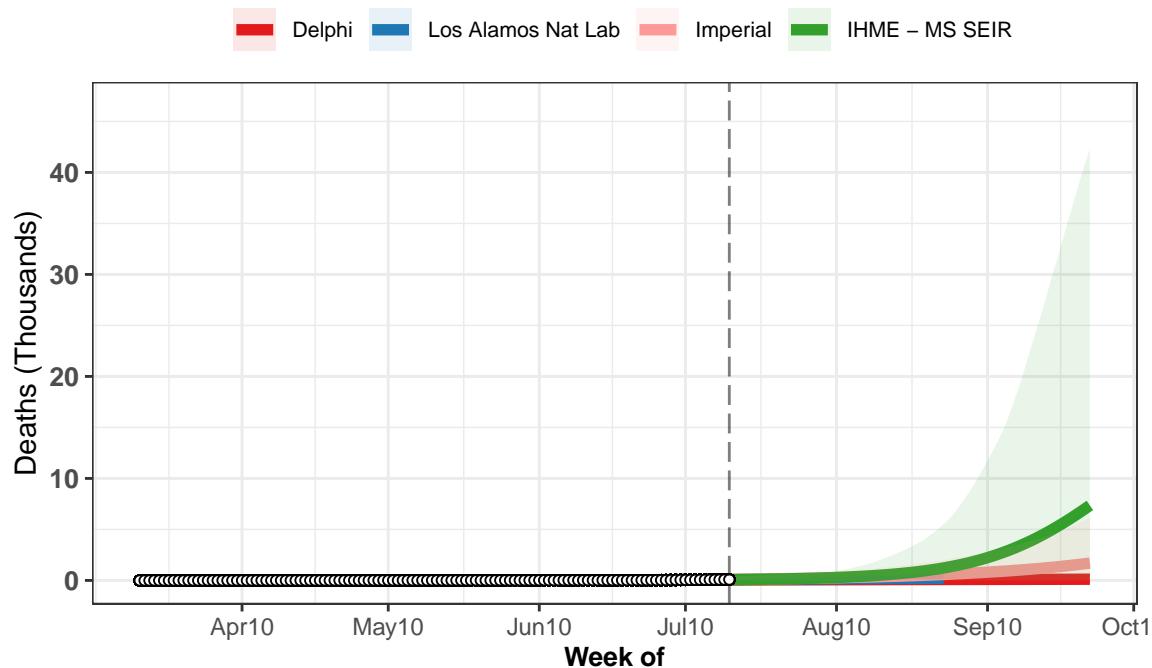


## All Cumulative Errors

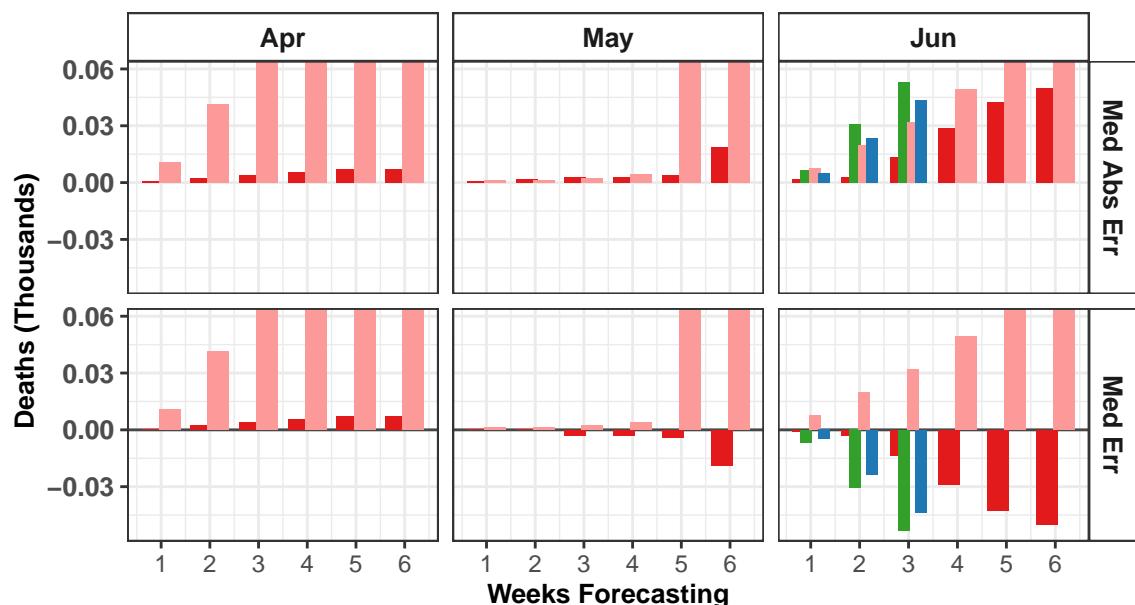


# Uzbekistan

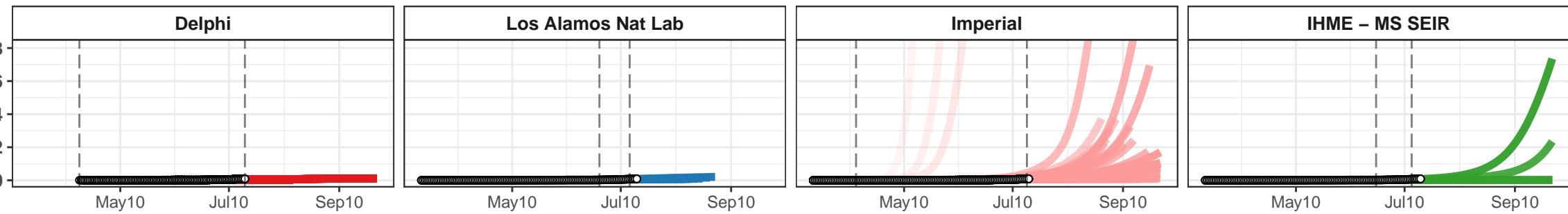
## Current Forecast



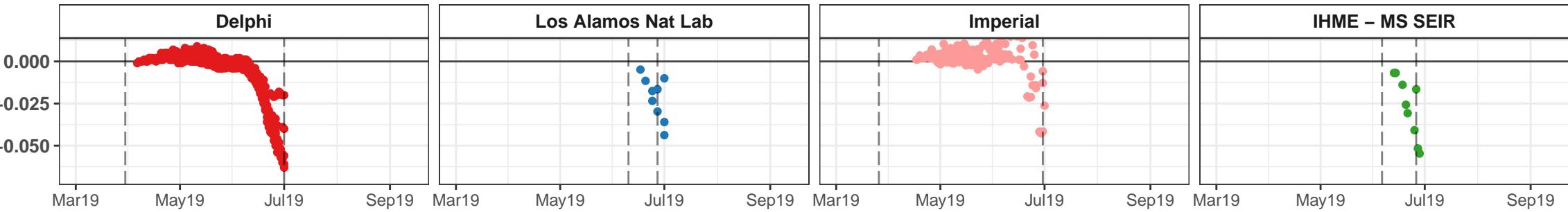
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

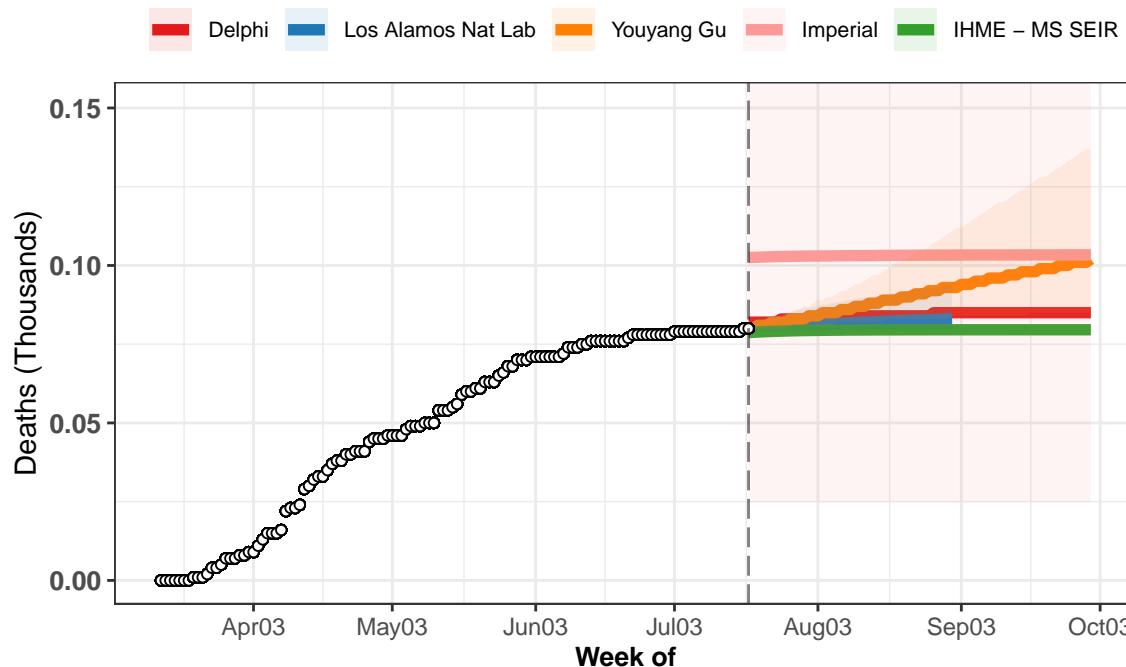


## All Cumulative Errors

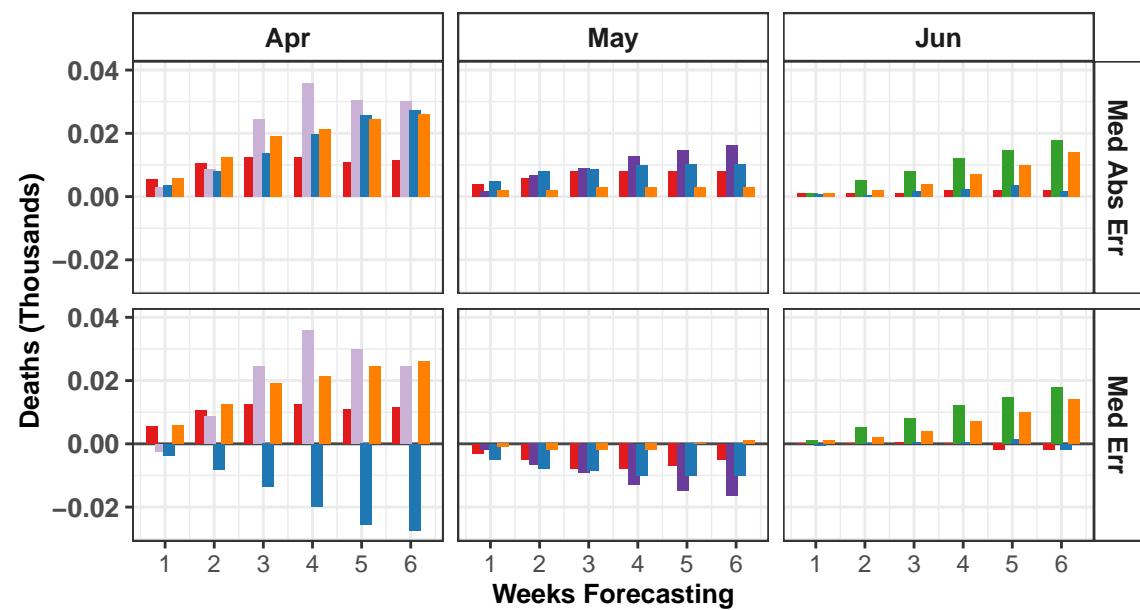


# Lithuania

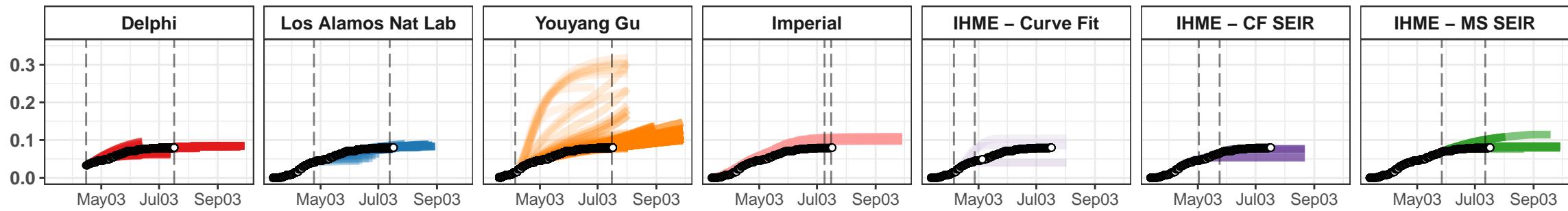
## Current Forecast



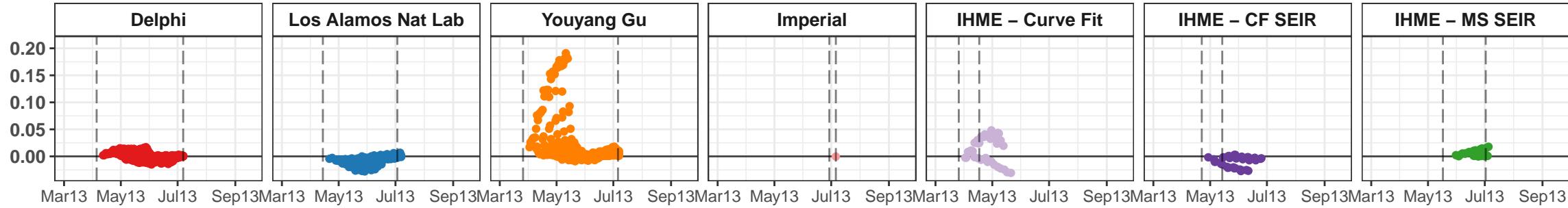
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



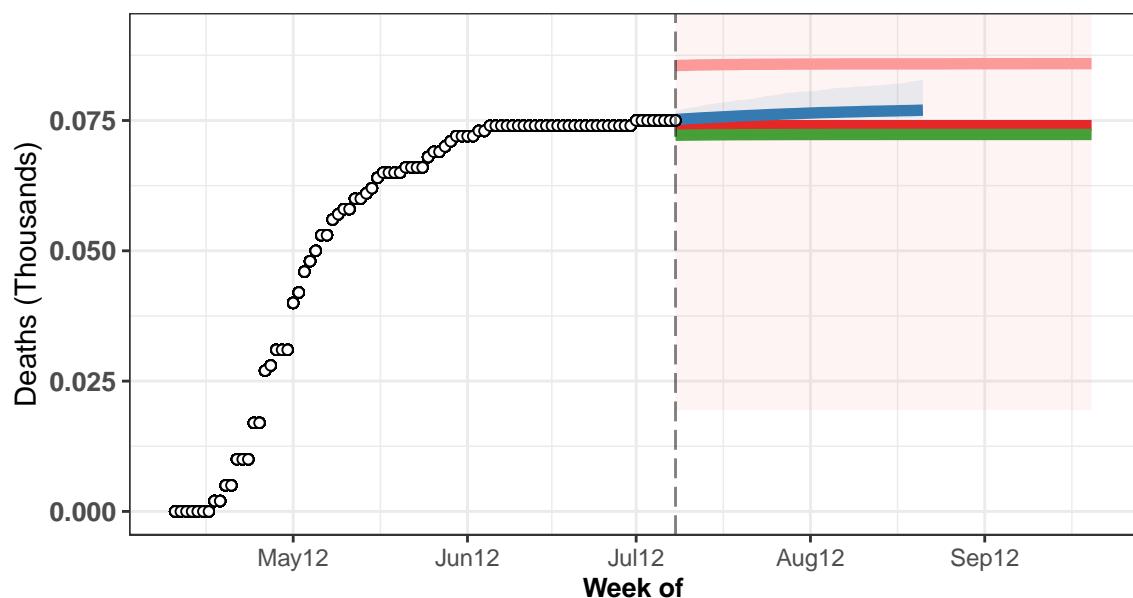
## All Cumulative Errors



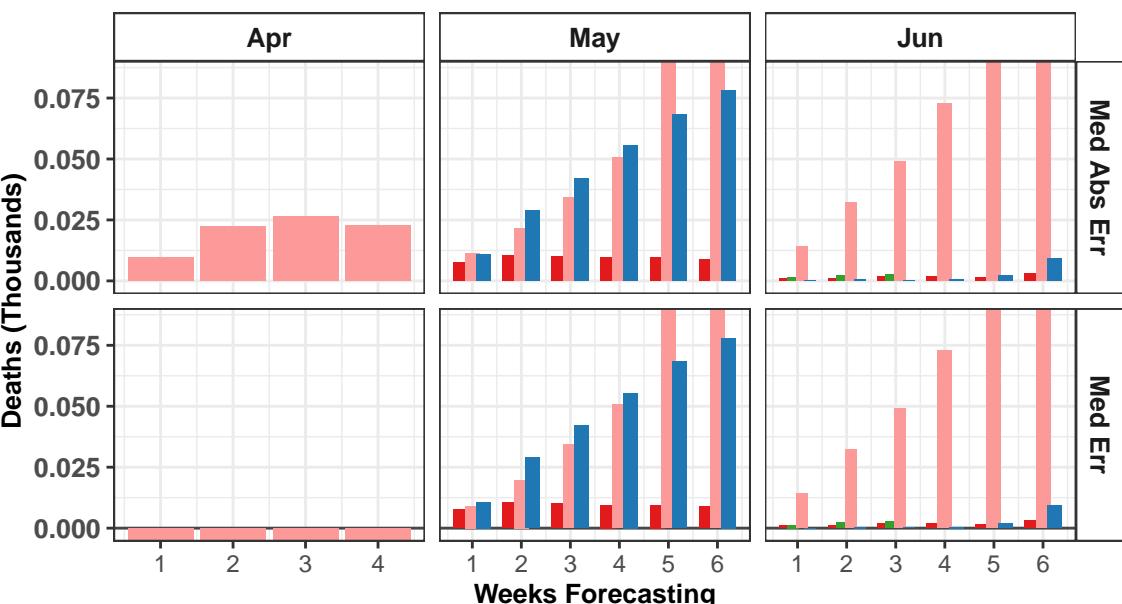
# Chad

## Current Forecast

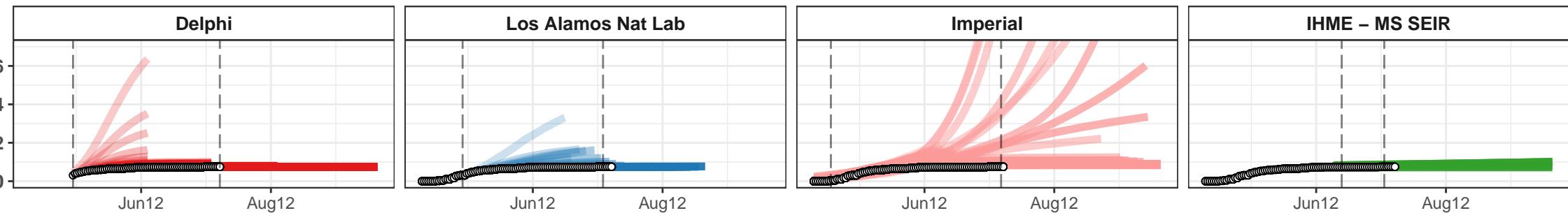
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



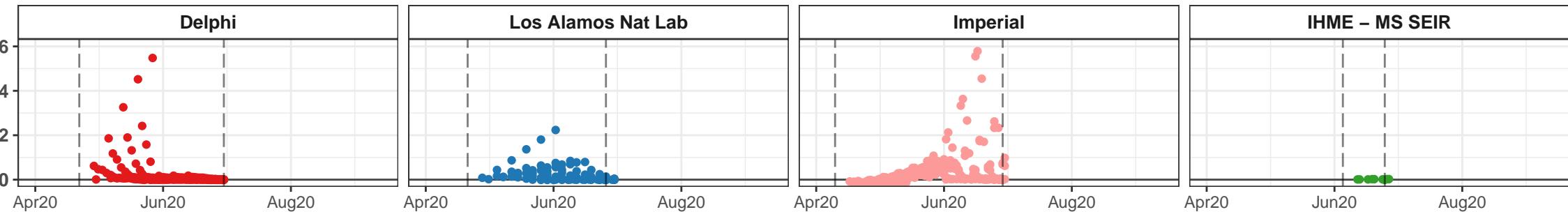
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

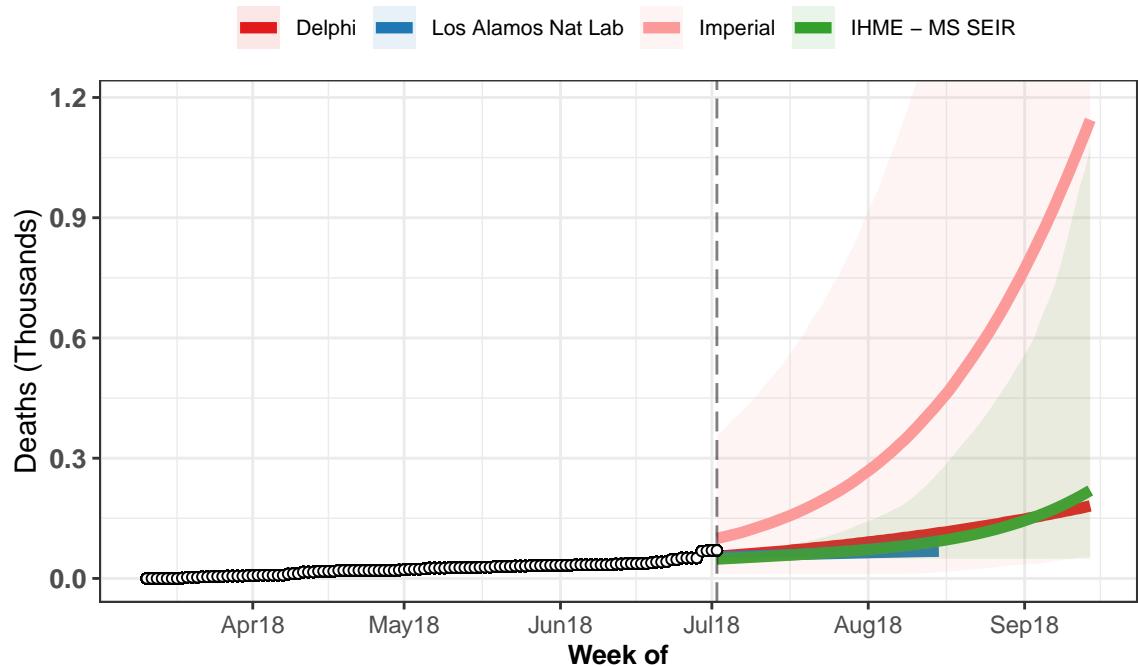


## All Cumulative Errors

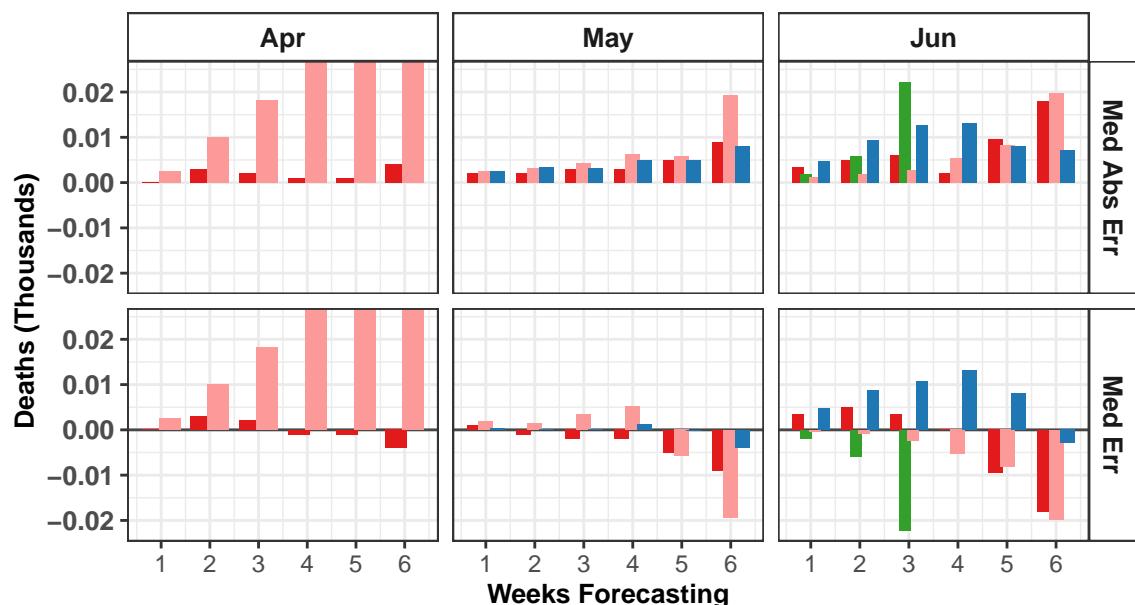


# Liberia

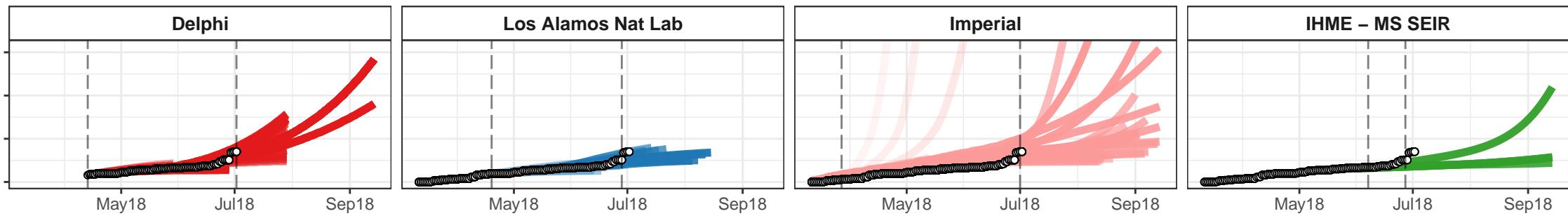
## Current Forecast



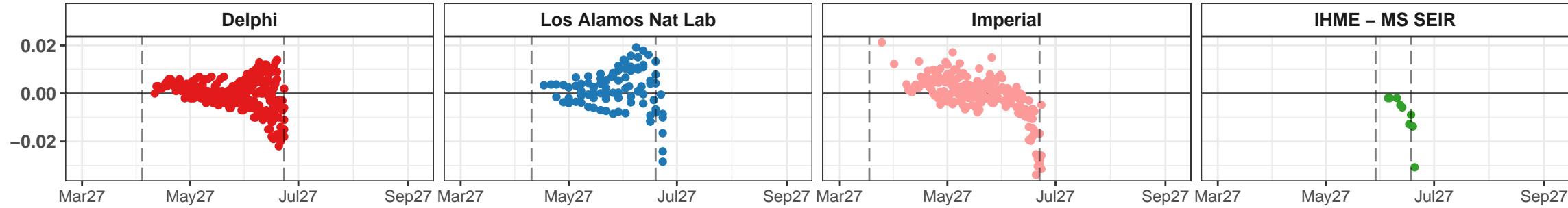
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

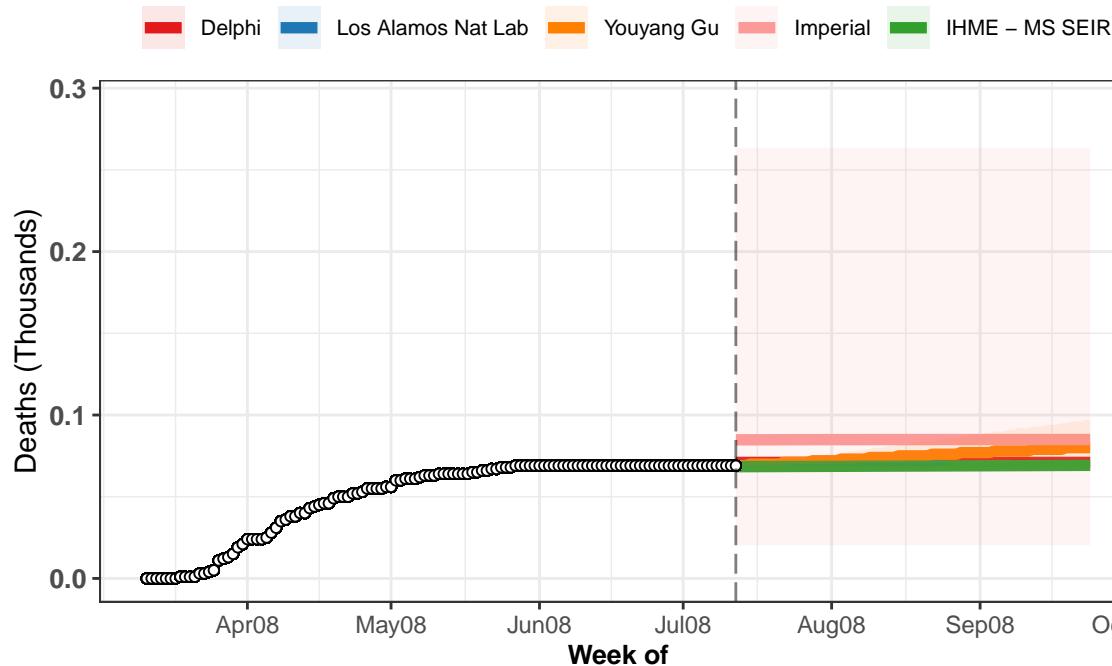


## All Cumulative Errors

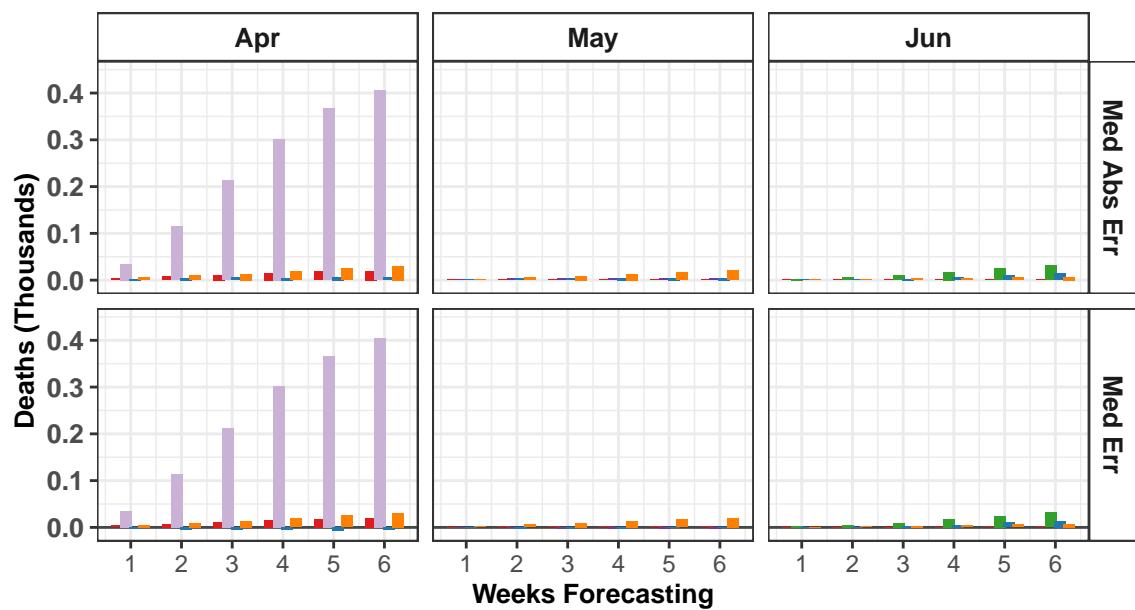


# Estonia

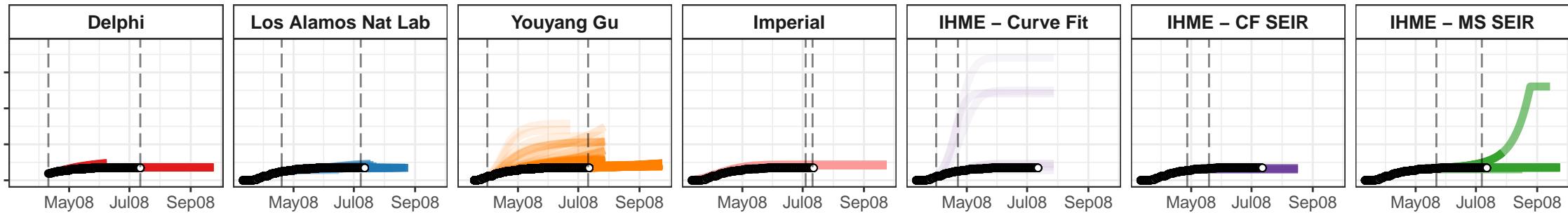
## Current Forecast



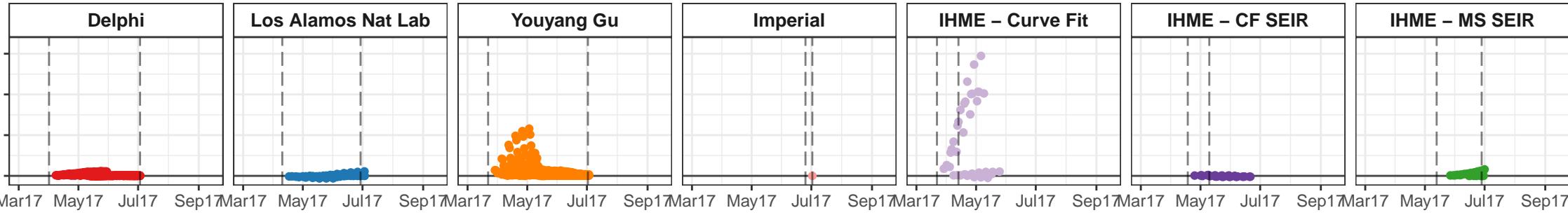
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

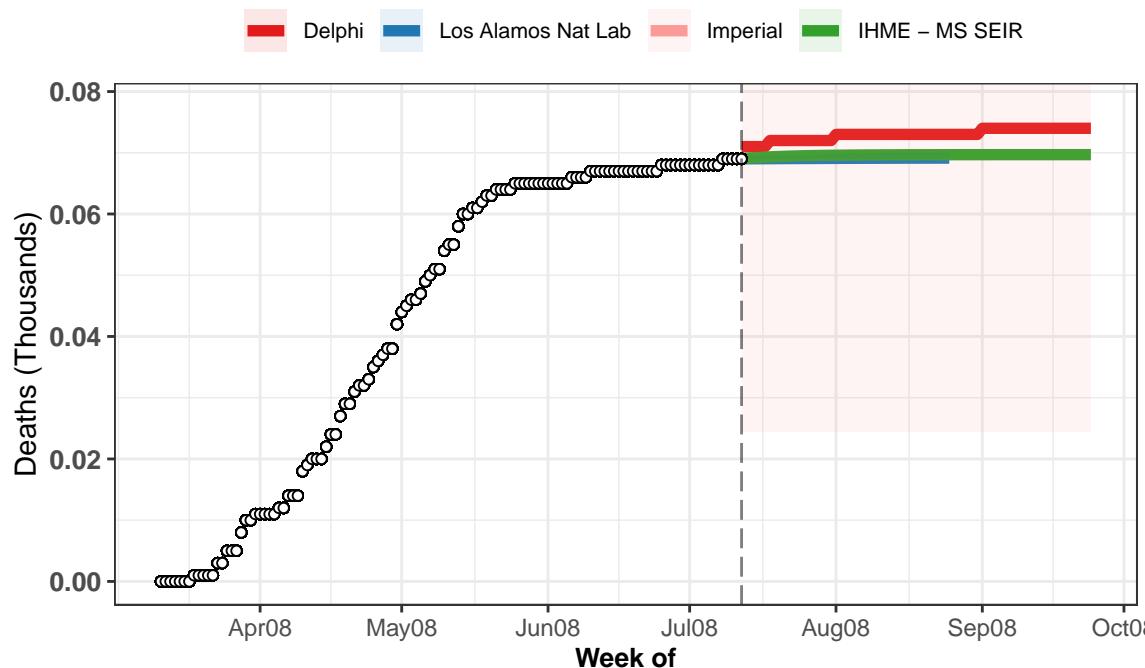


## All Cumulative Errors

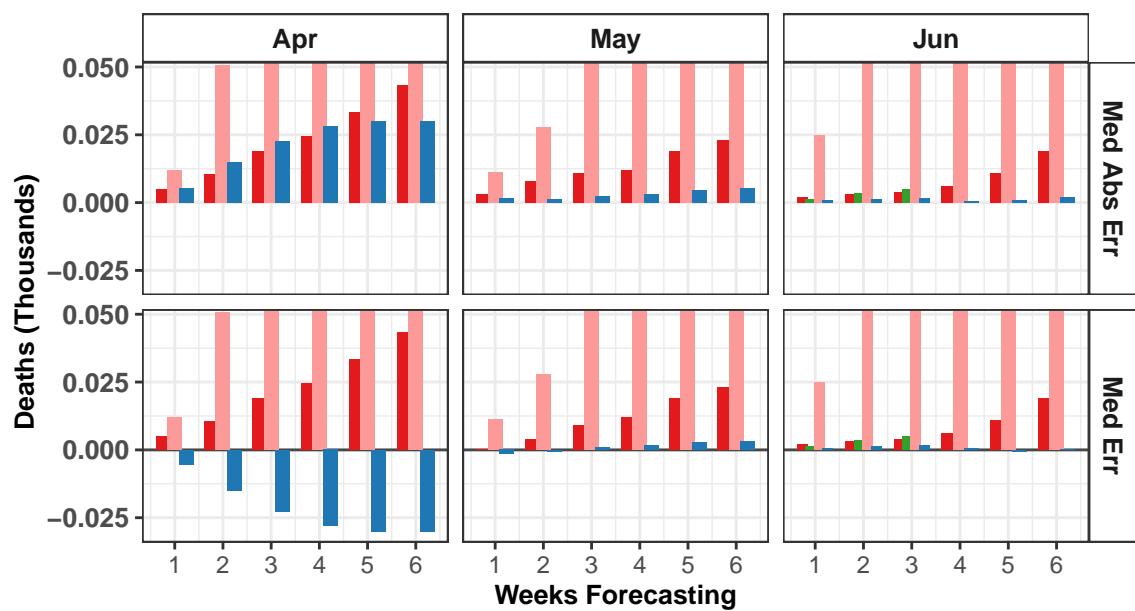


# Niger

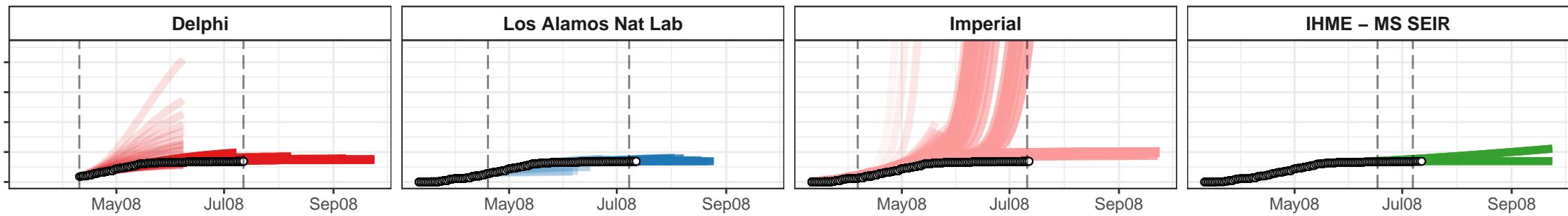
## Current Forecast



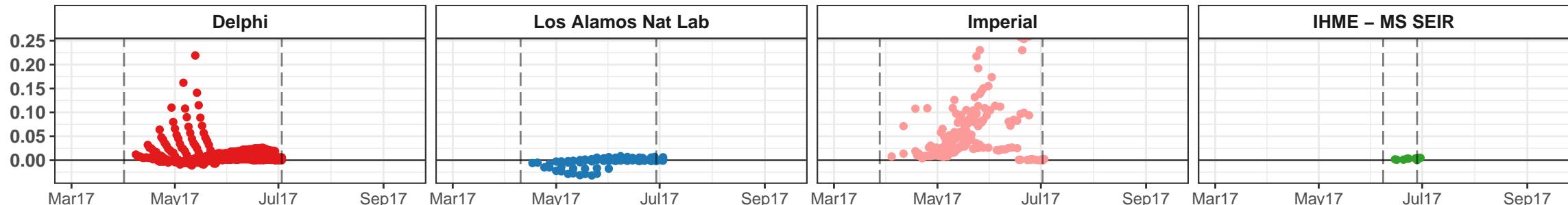
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



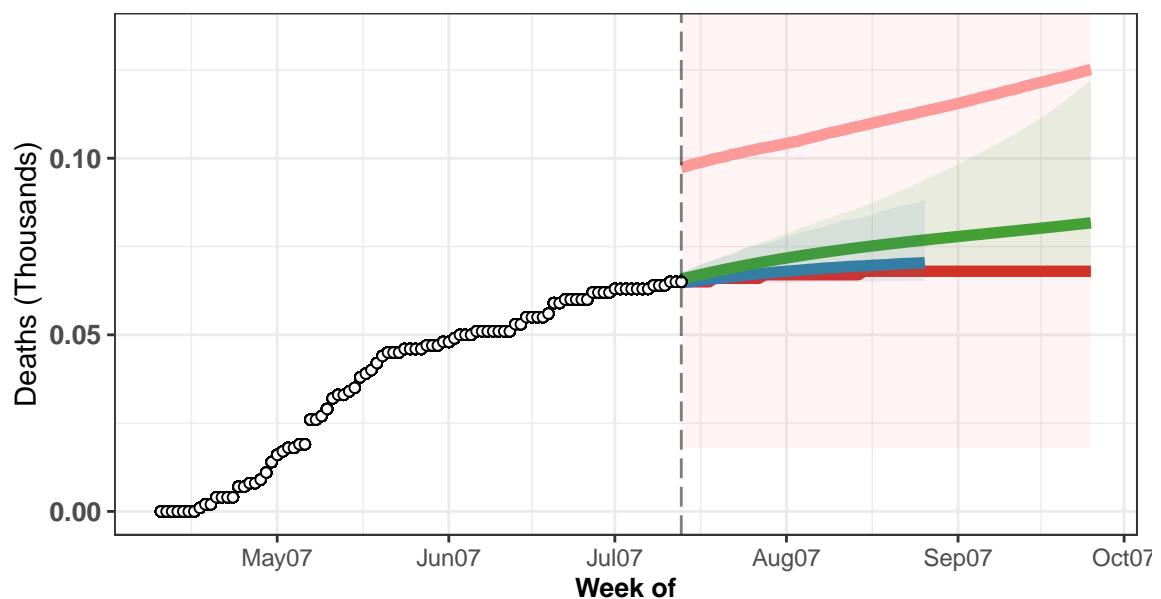
## All Cumulative Errors



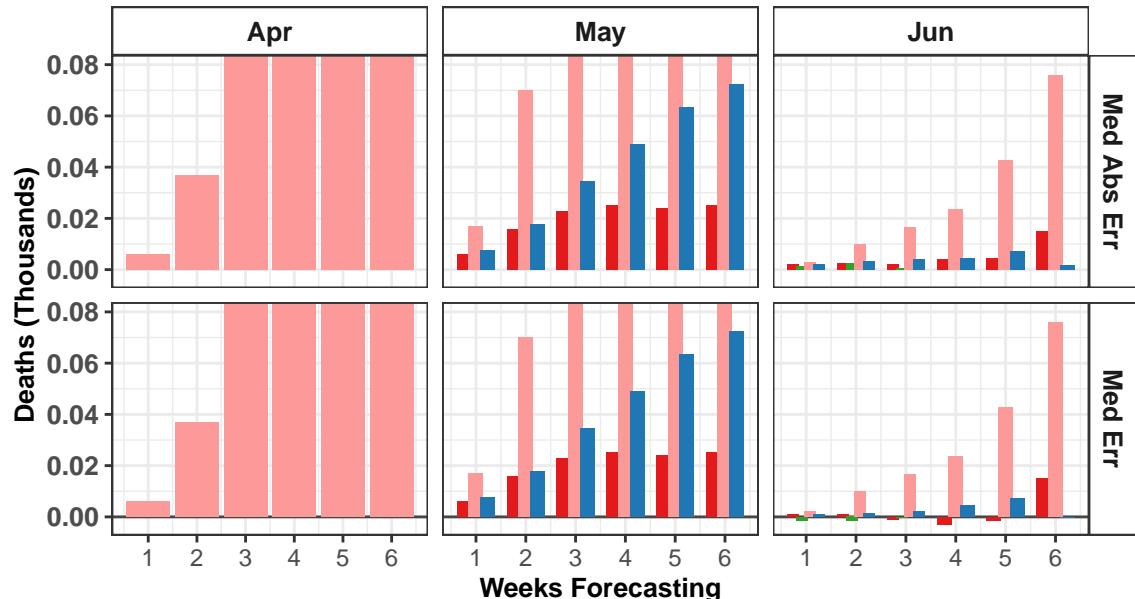
# Sierra Leone

## Current Forecast

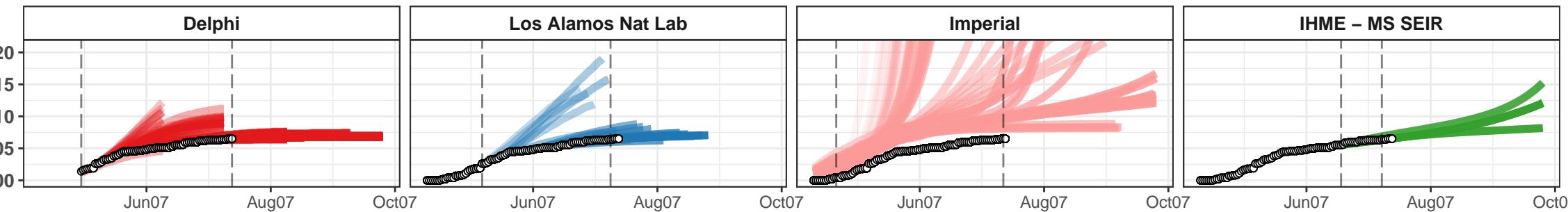
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



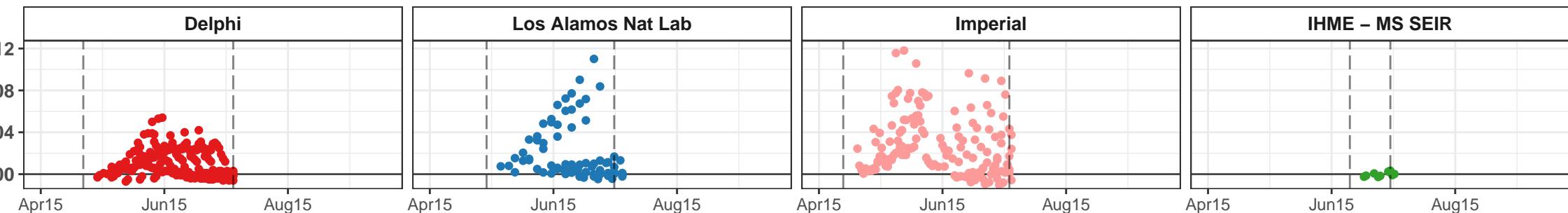
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



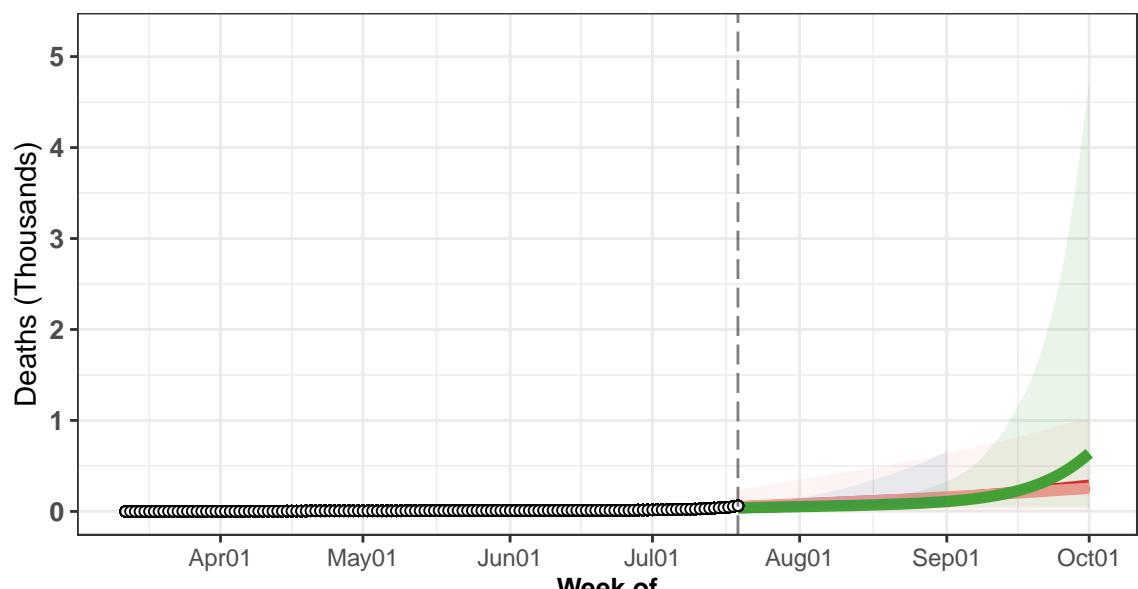
## All Cumulative Errors



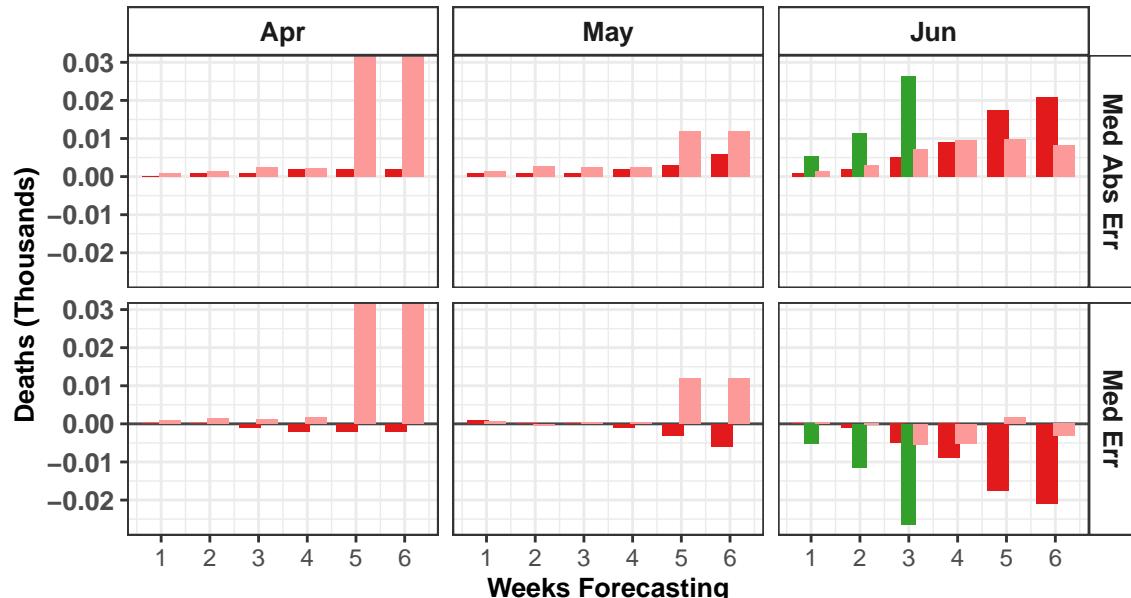
# Costa Rica

## Current Forecast

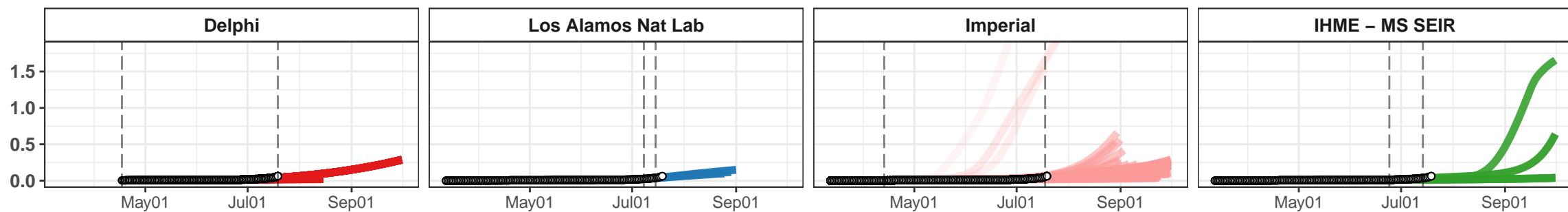
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



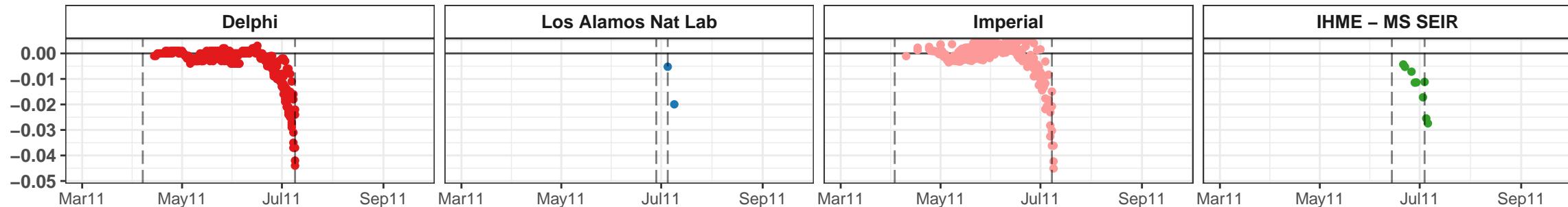
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

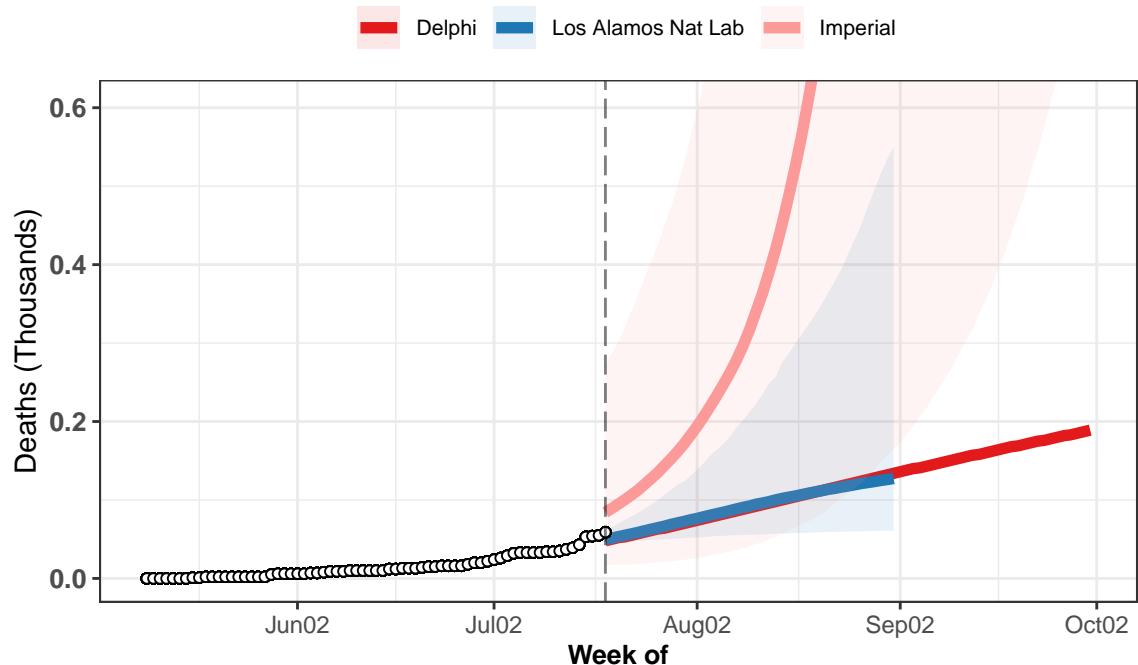


## All Cumulative Errors

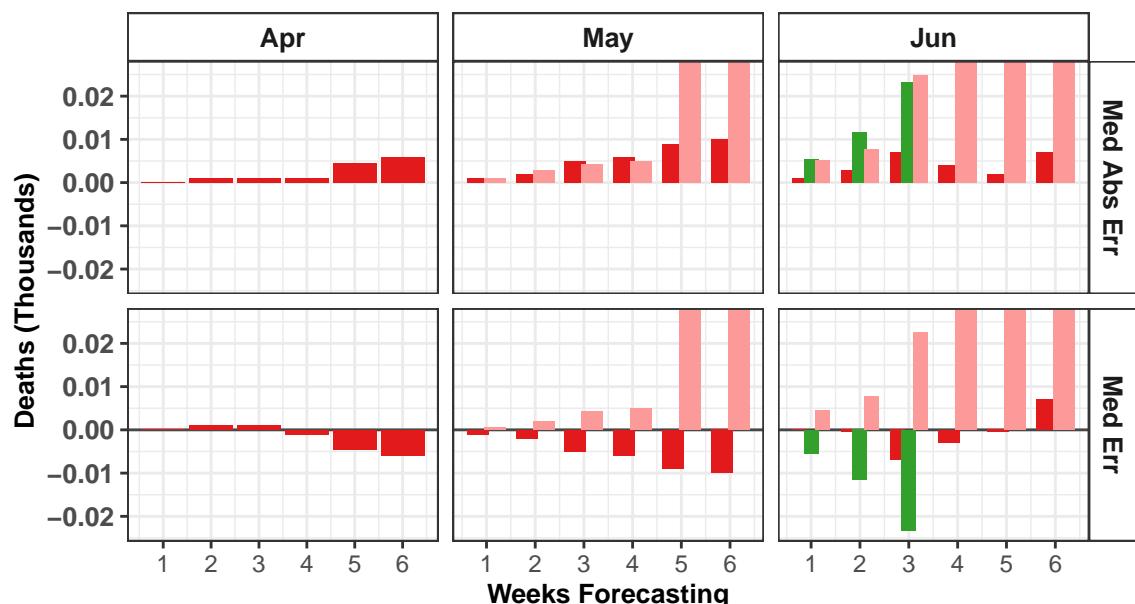


# Madagascar

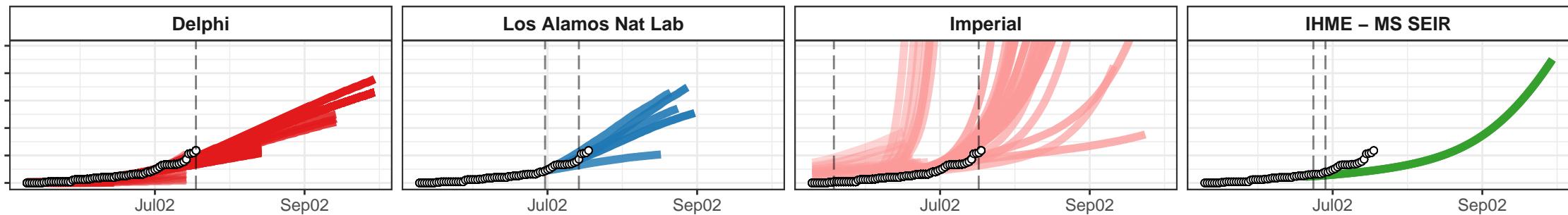
## Current Forecast



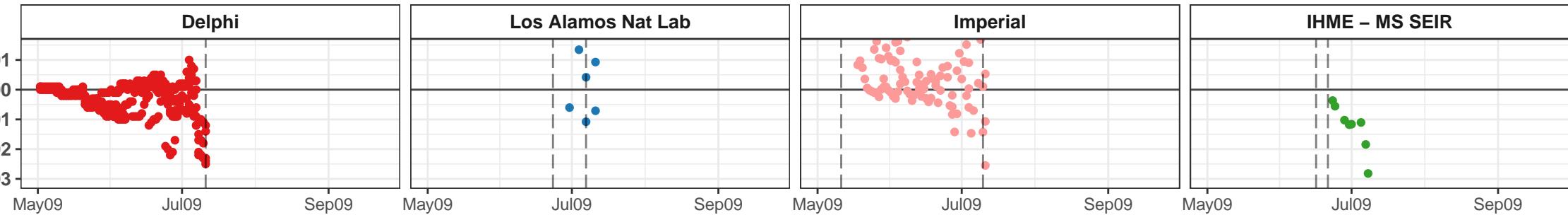
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



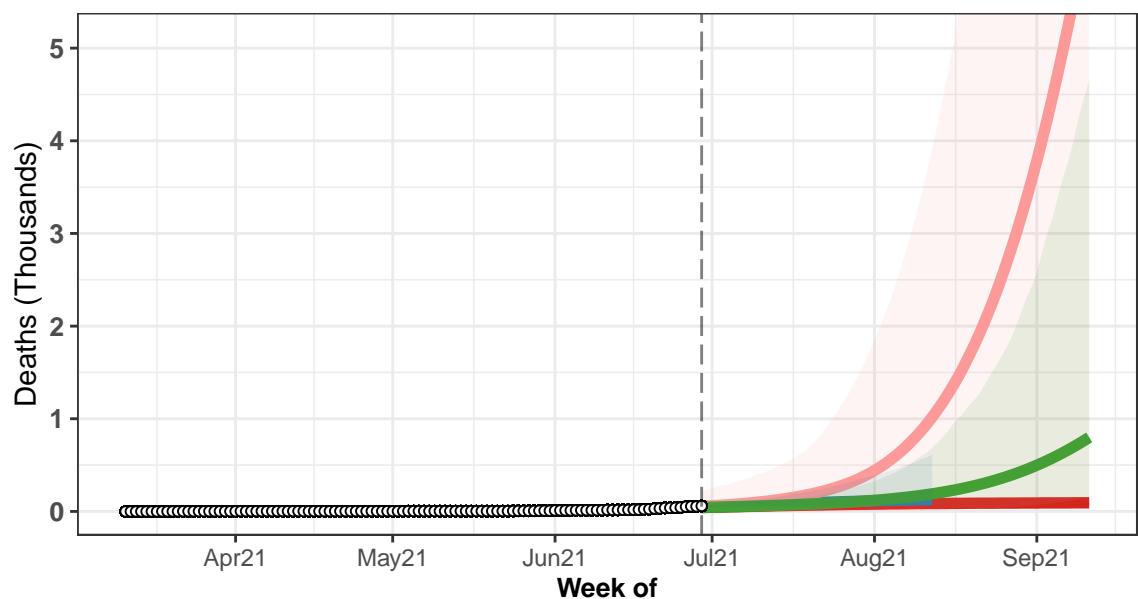
## All Cumulative Errors



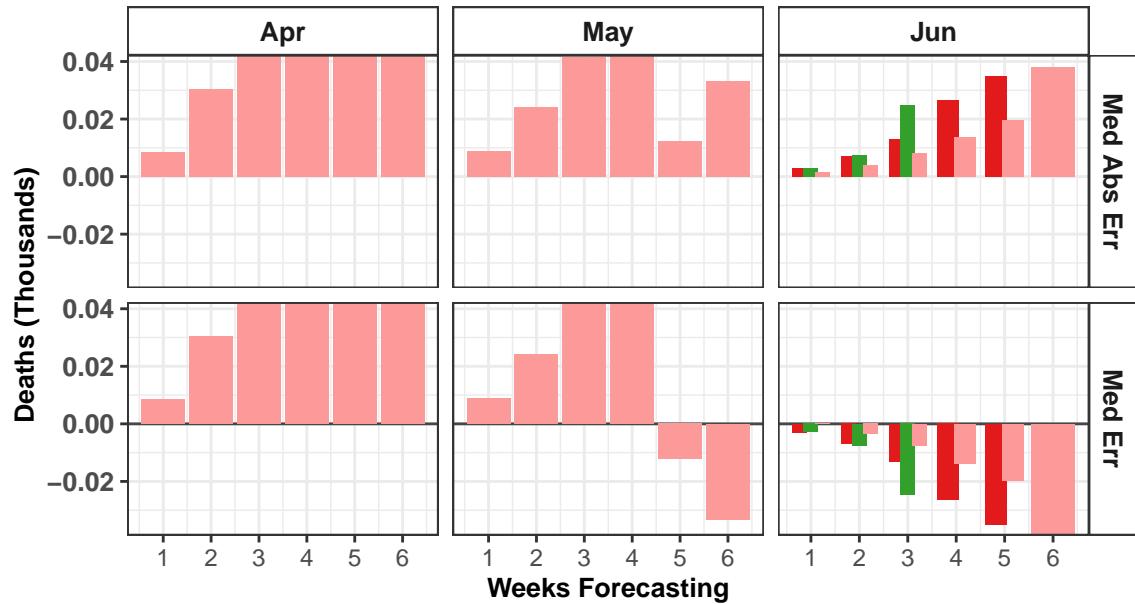
# Malawi

## Current Forecast

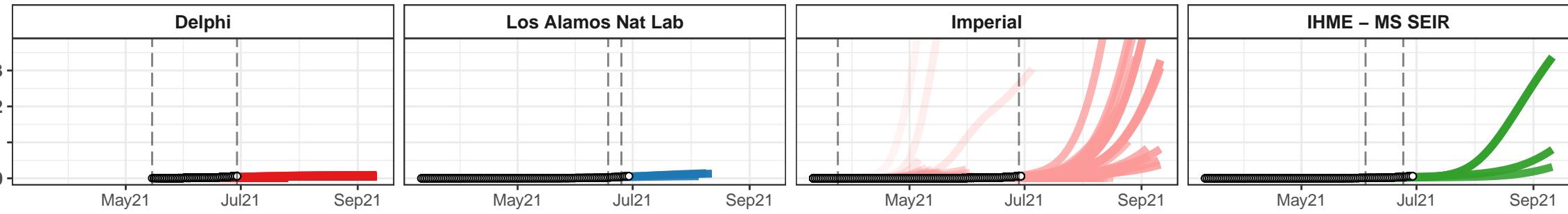
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



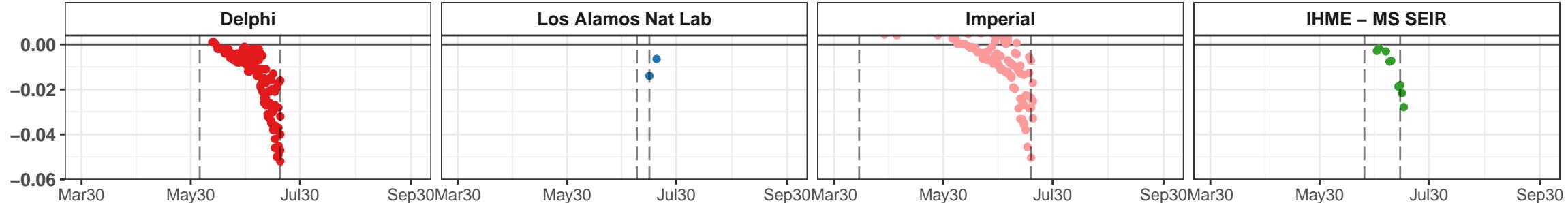
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

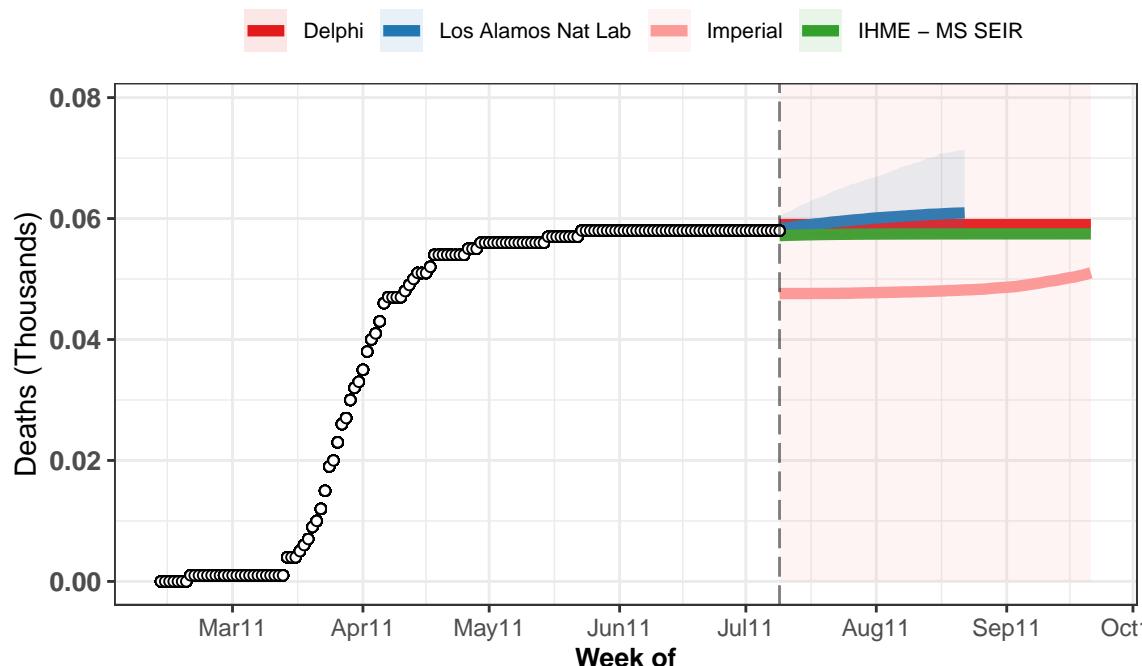


## All Cumulative Errors

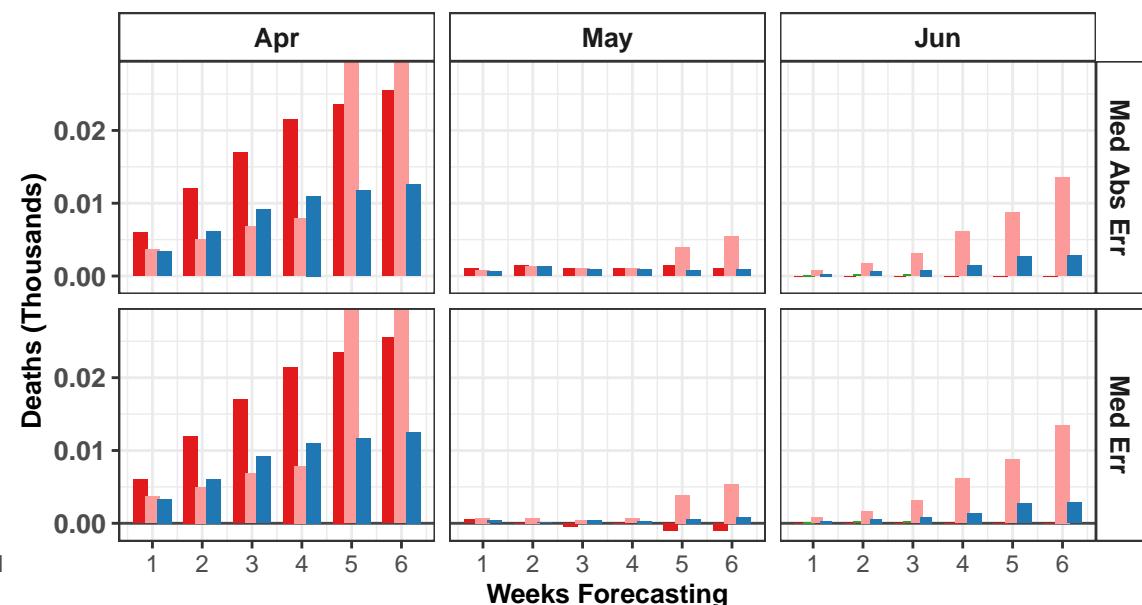


# Thailand

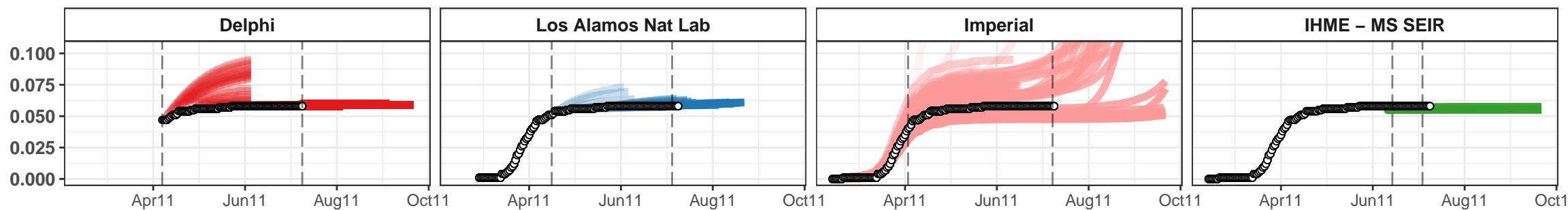
## Current Forecast



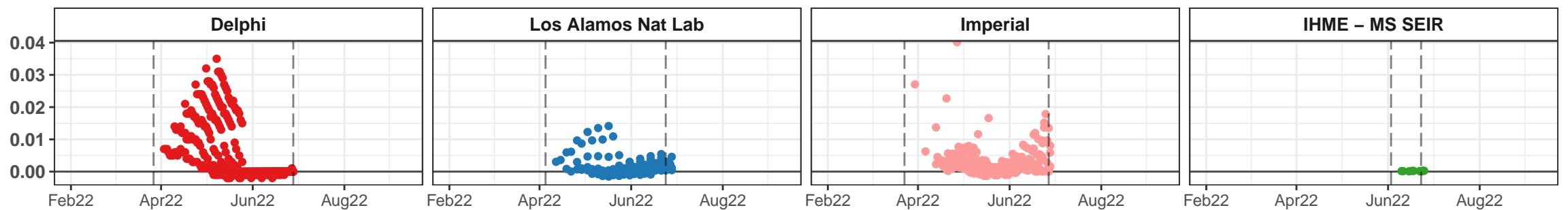
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

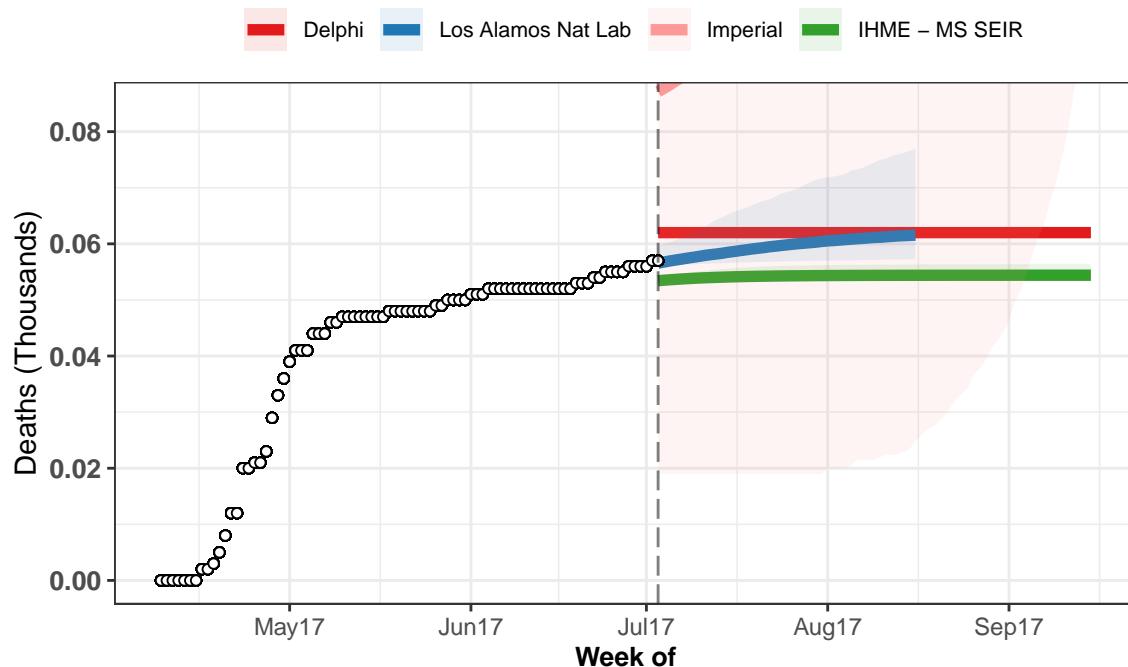


## All Cumulative Errors

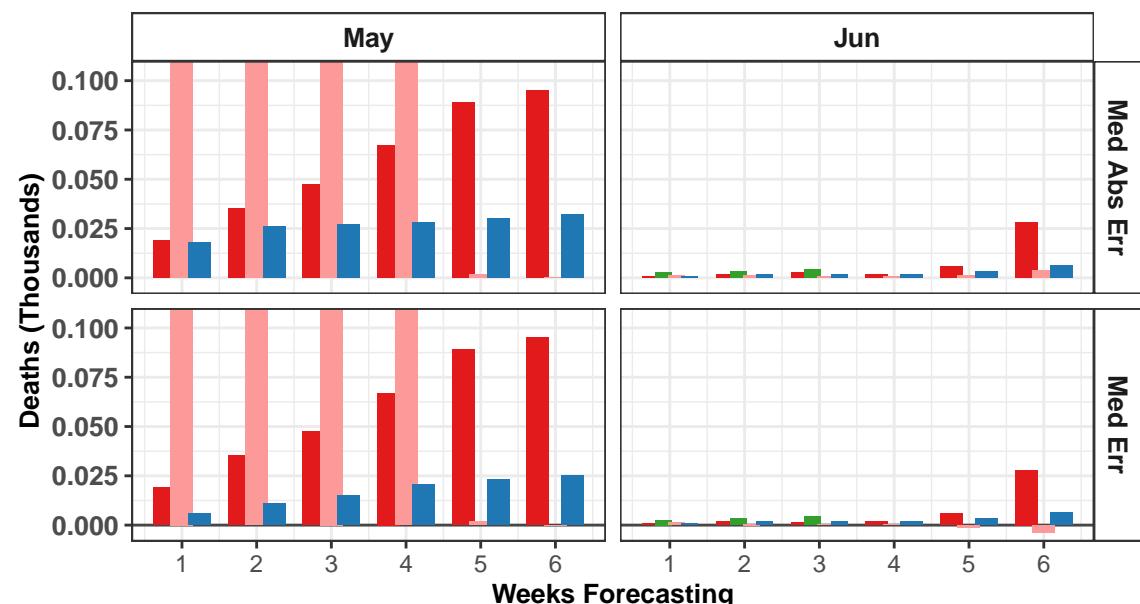


# Tajikistan

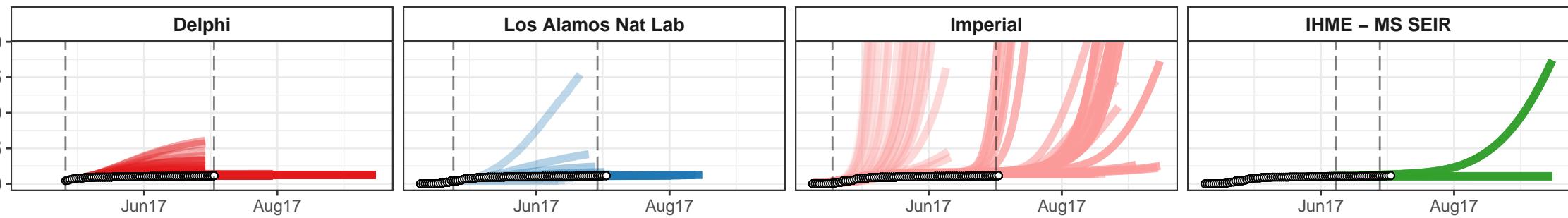
## Current Forecast



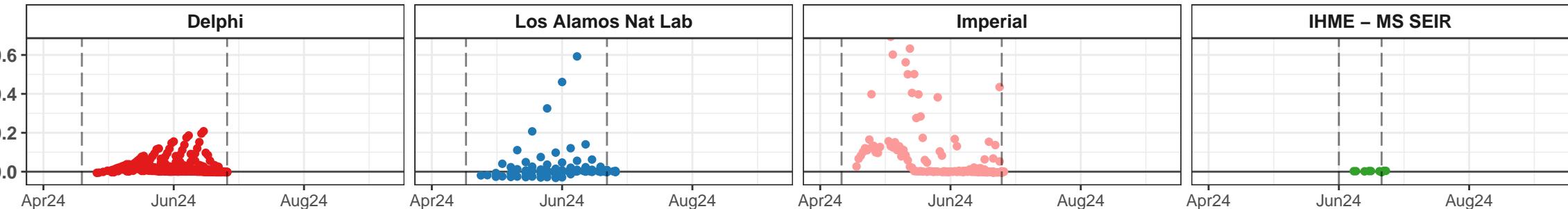
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

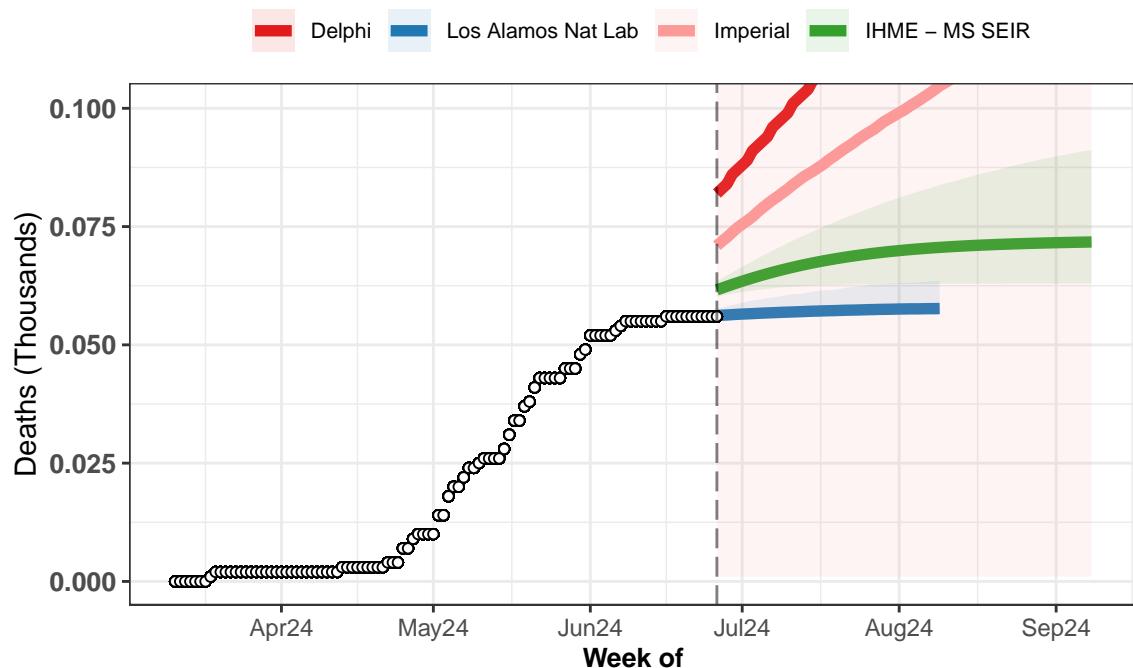


## All Cumulative Errors

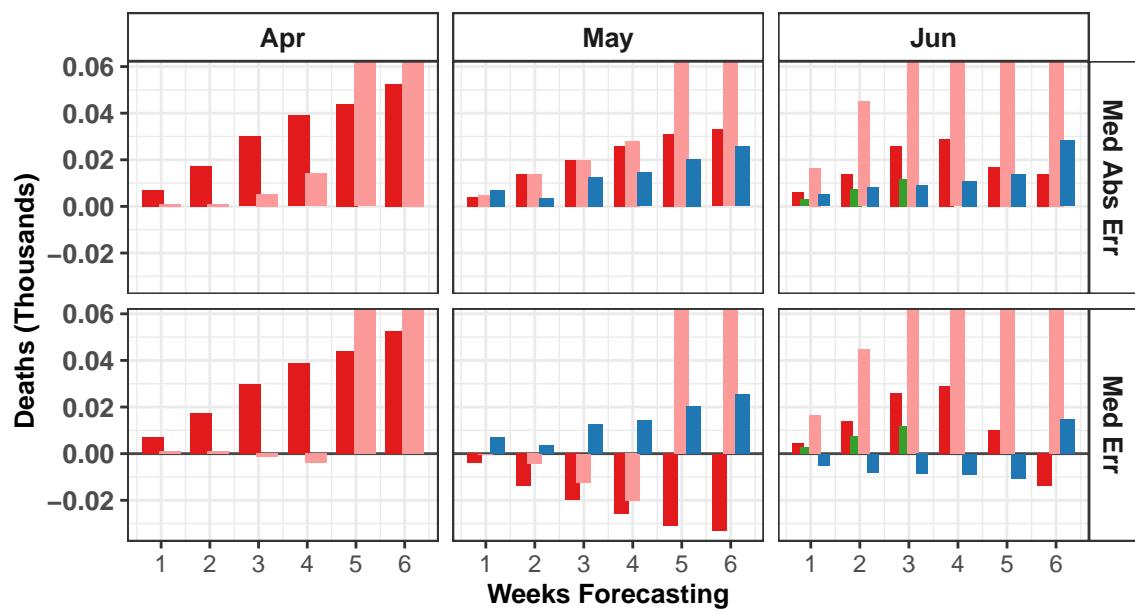


# Djibouti

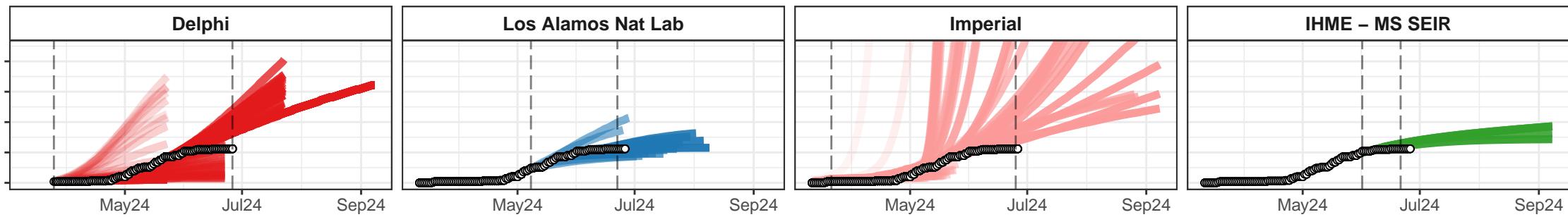
## Current Forecast



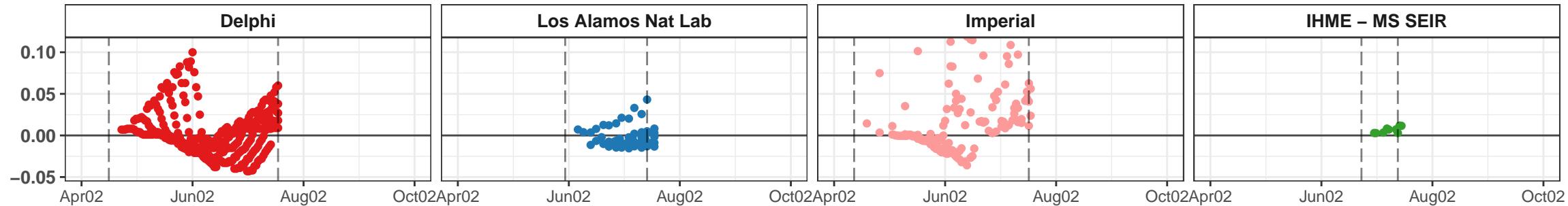
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



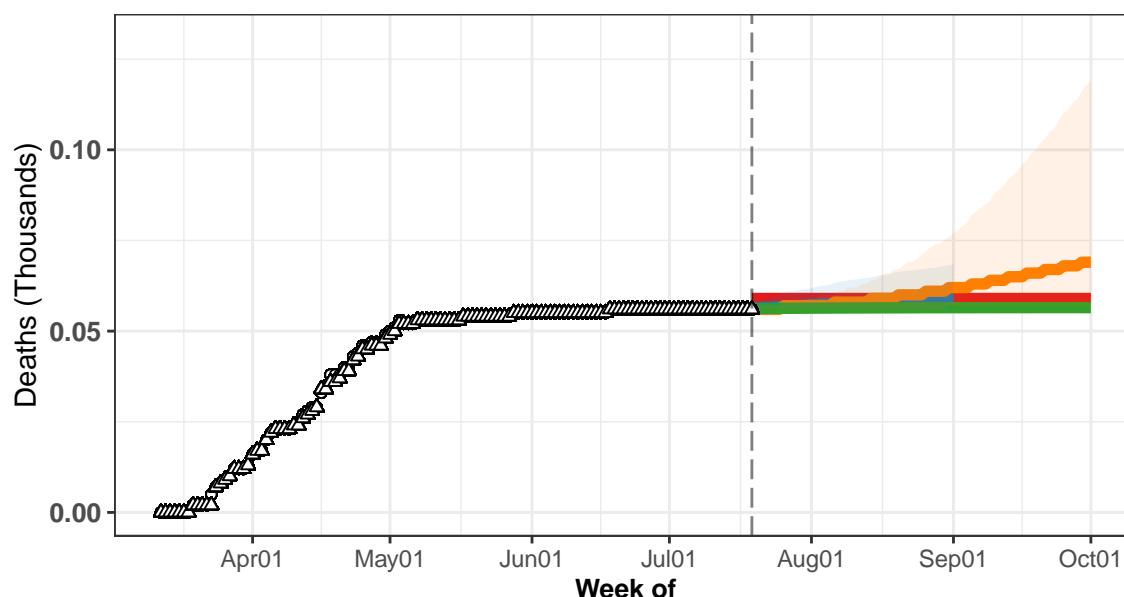
## All Cumulative Errors



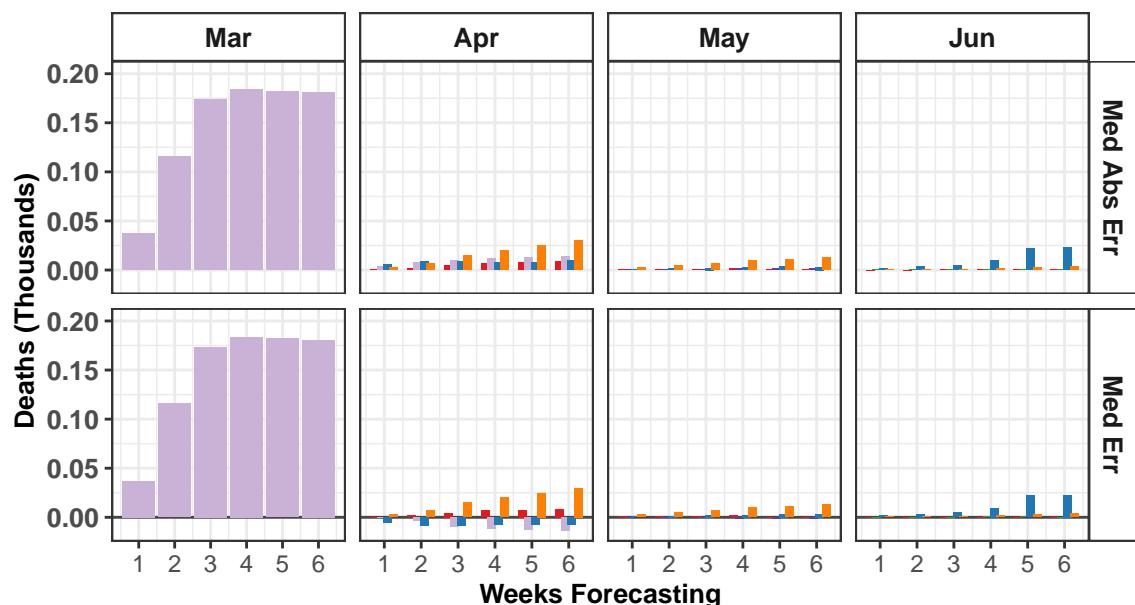
# Vermont

## Current Forecast

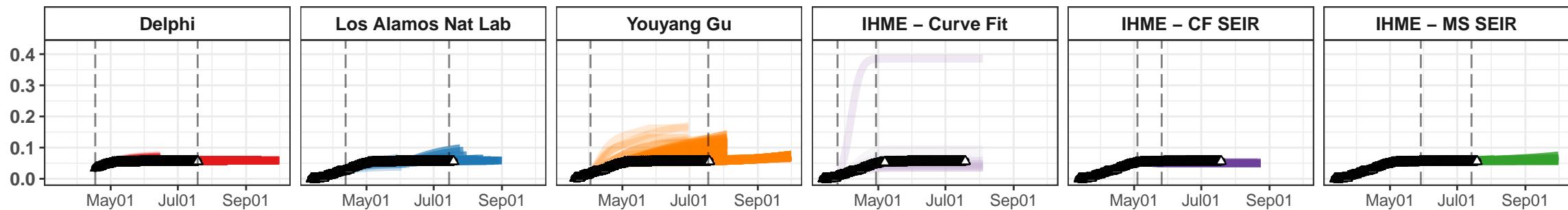
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NY



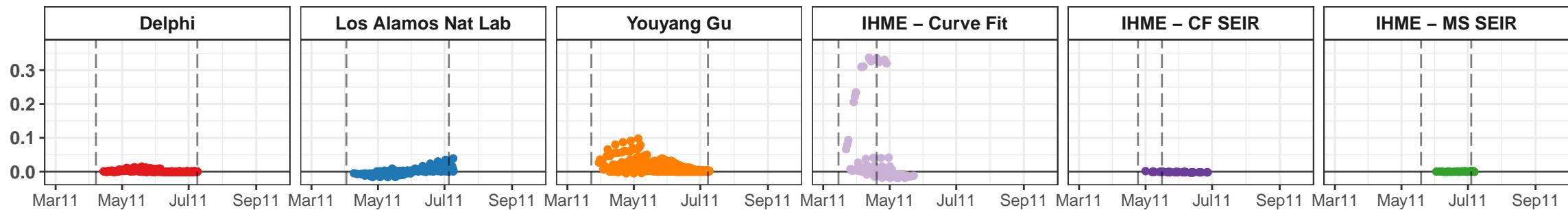
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

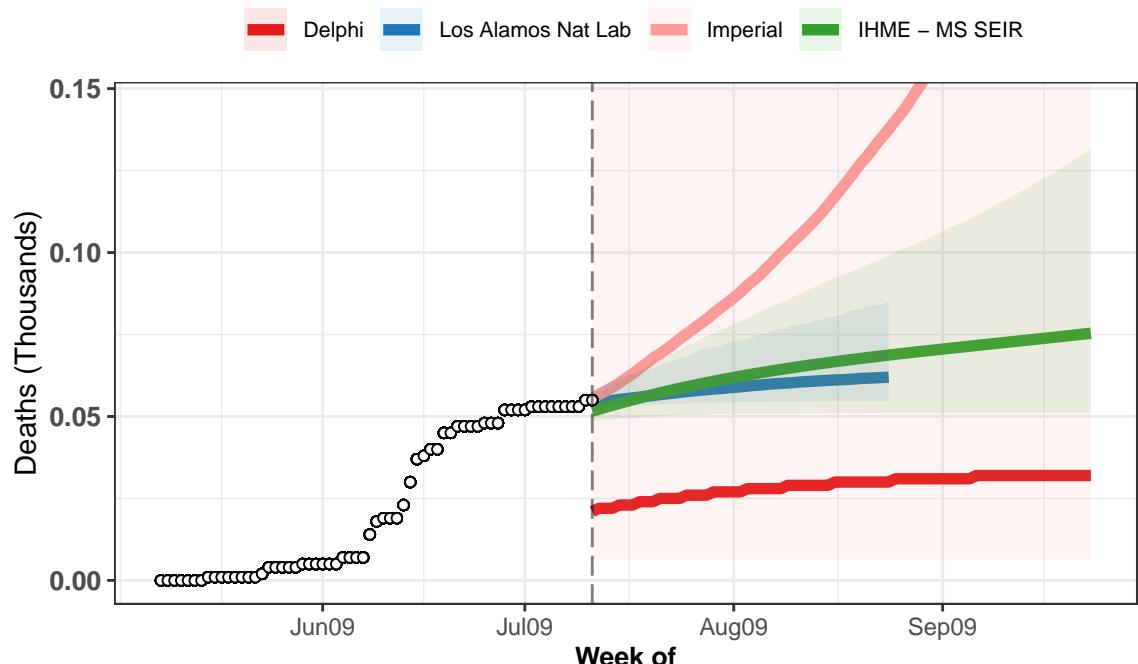


## All Cumulative Errors

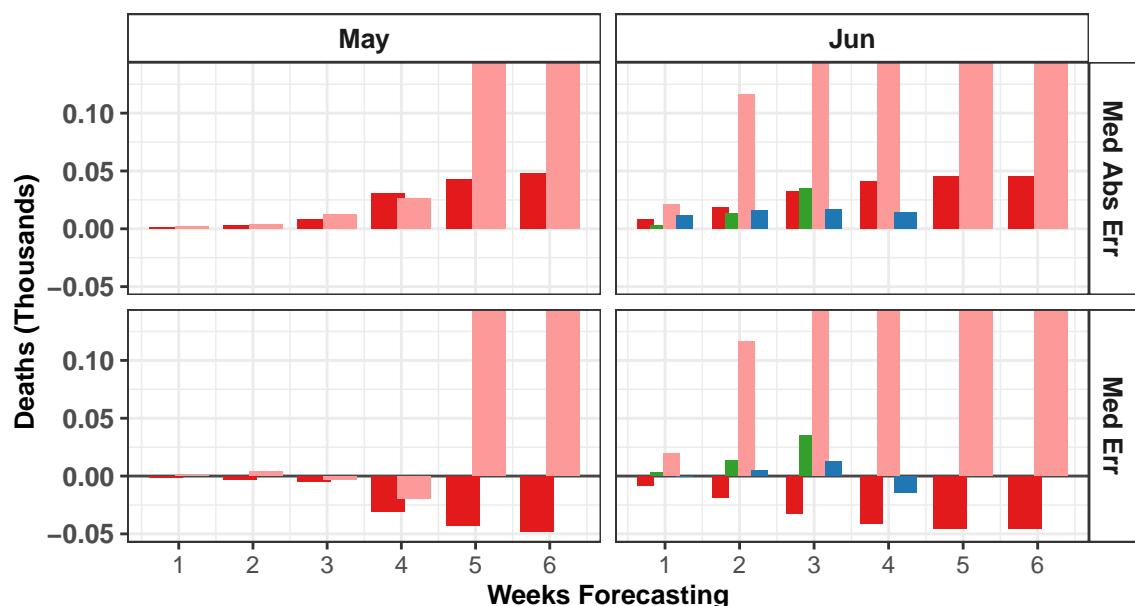


# Central African Republic

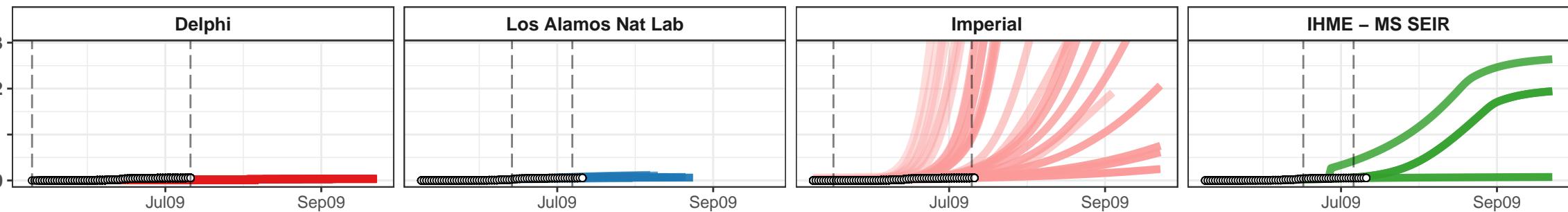
## Current Forecast



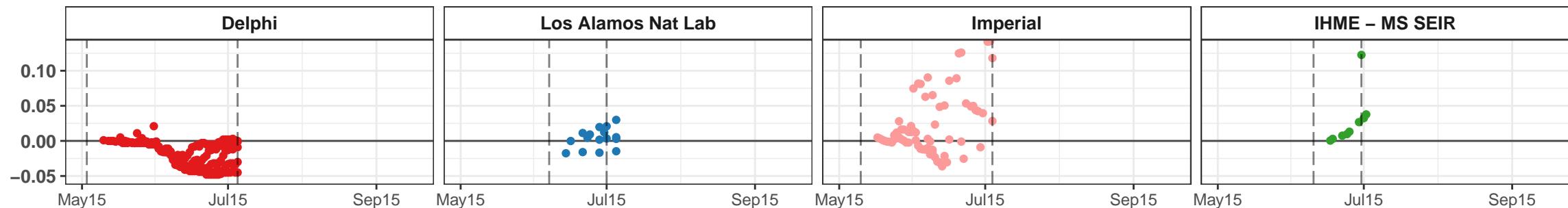
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

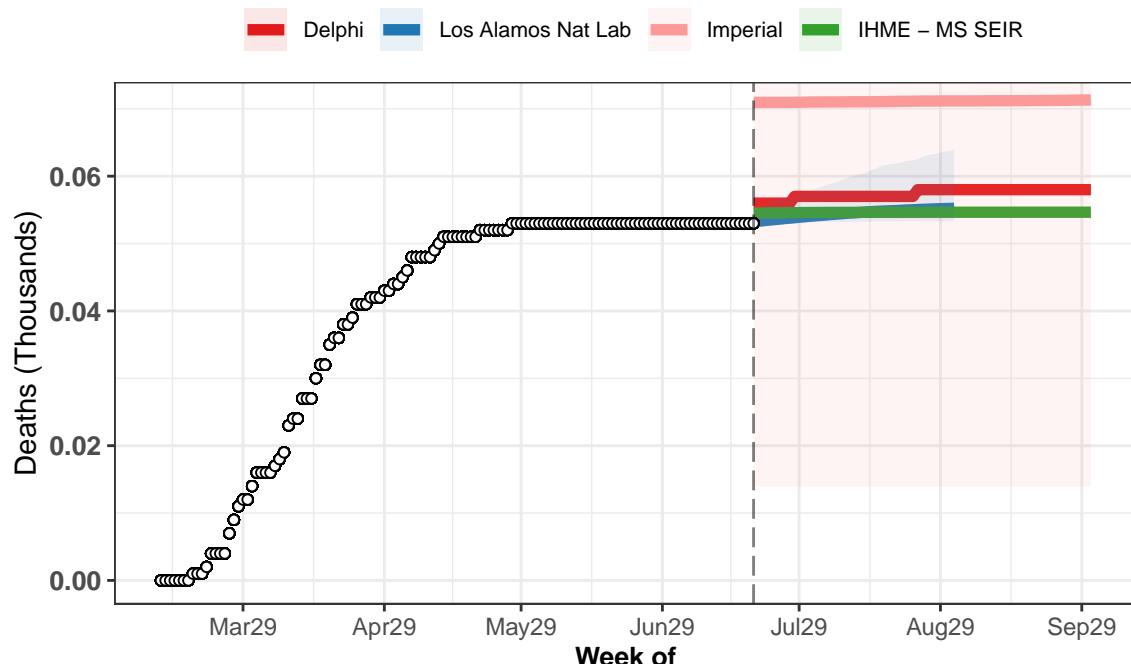


## All Cumulative Errors

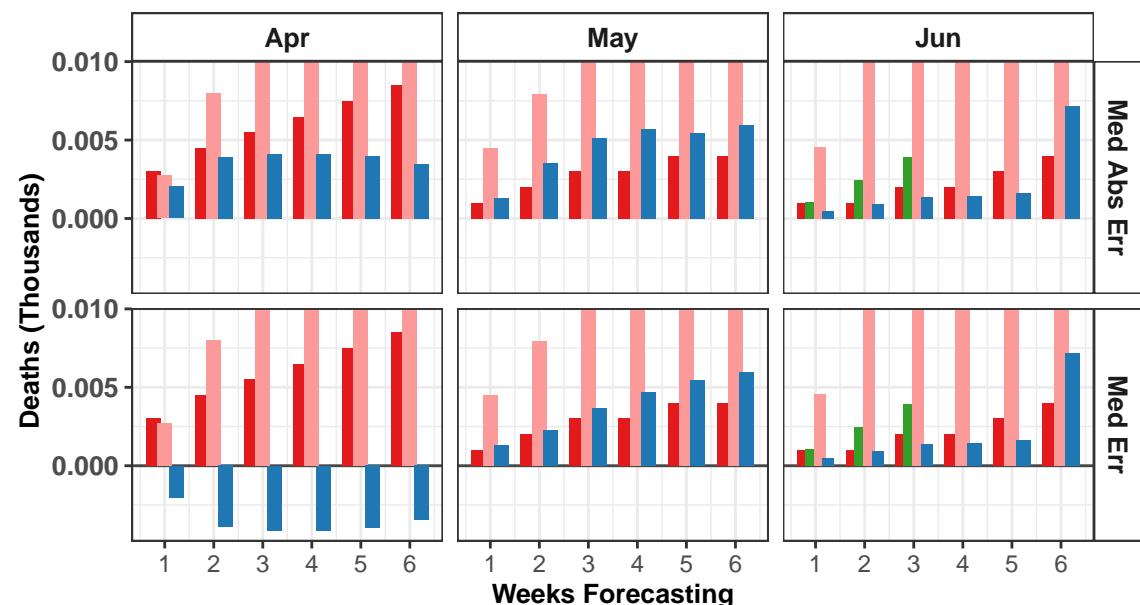


# Burkina Faso

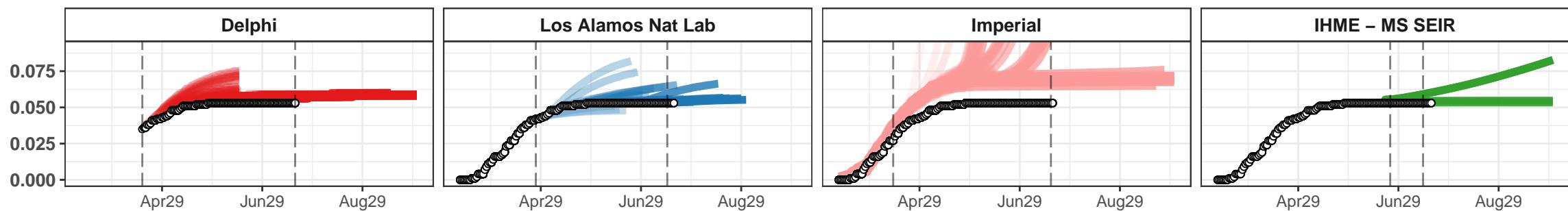
## Current Forecast



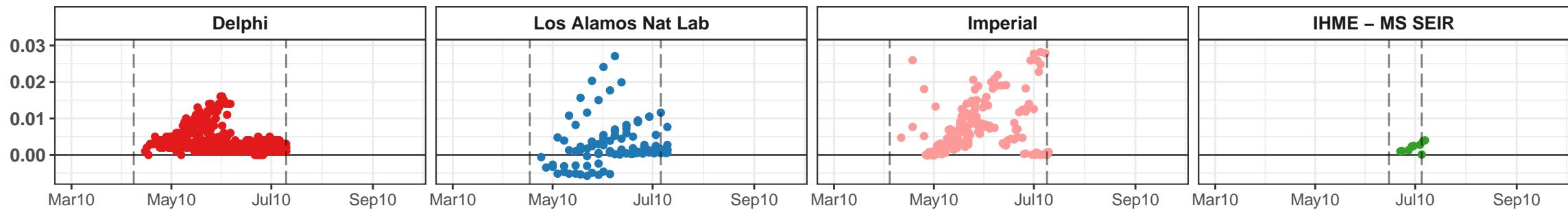
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



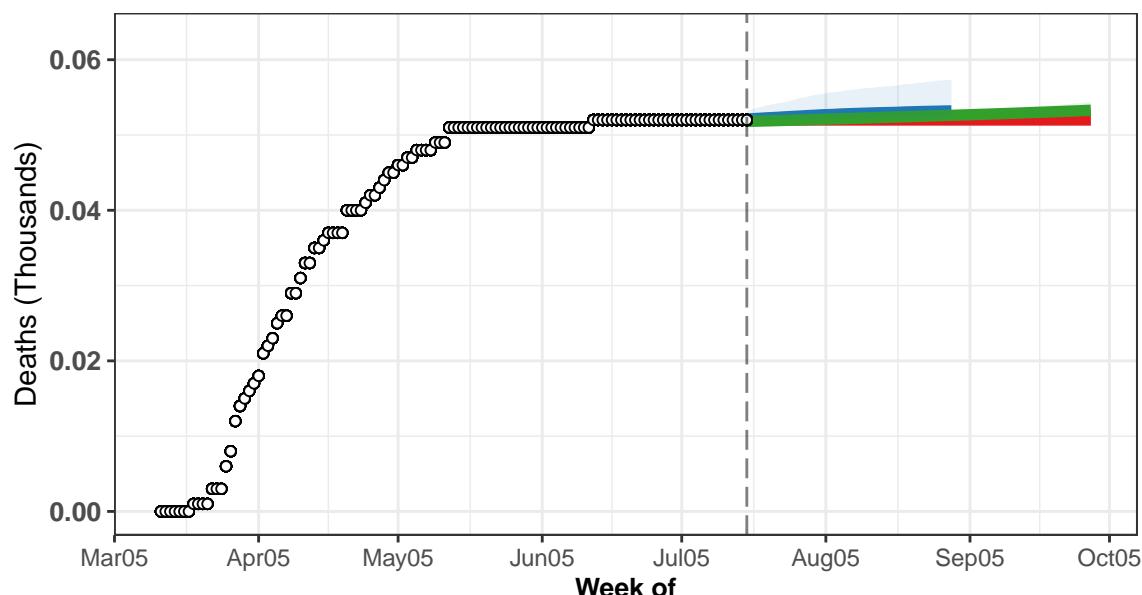
## All Cumulative Errors



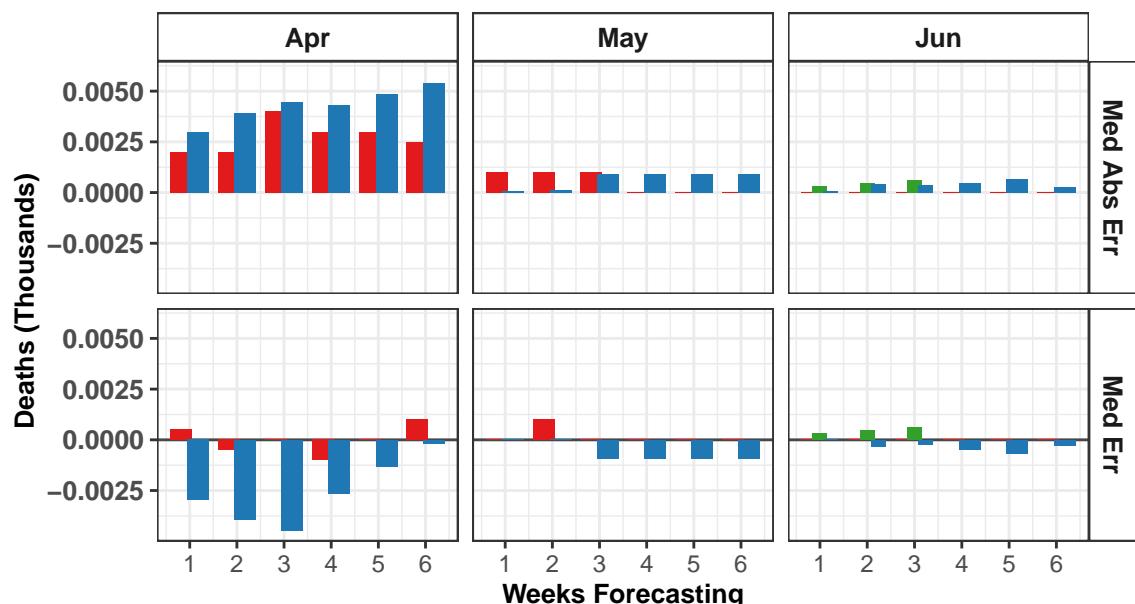
# Andorra

## Current Forecast

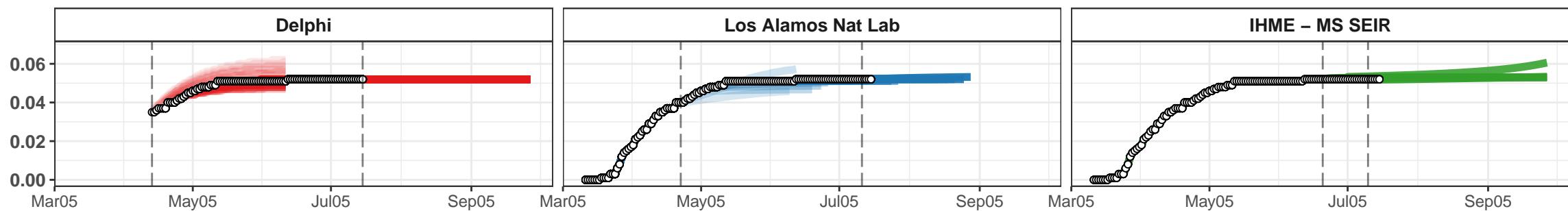
Delphi   Los Alamos Nat Lab   IHME – MS SEIR



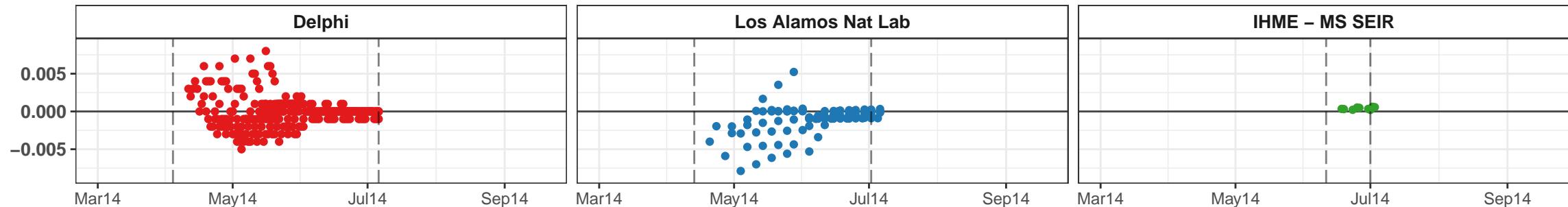
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

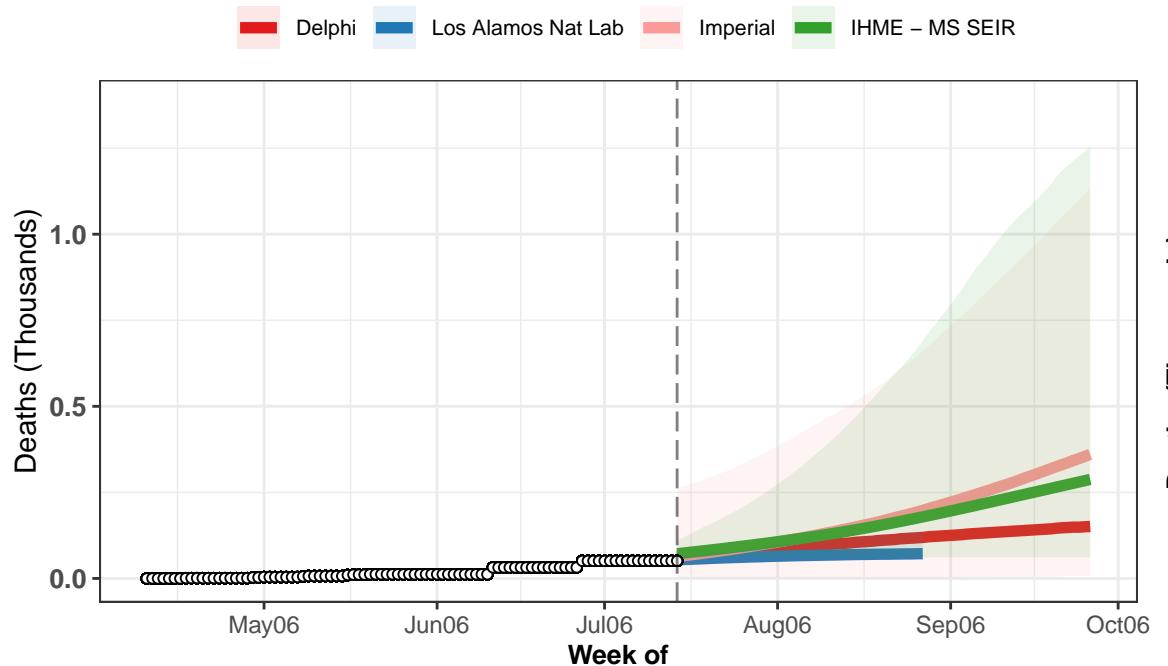


## All Cumulative Errors

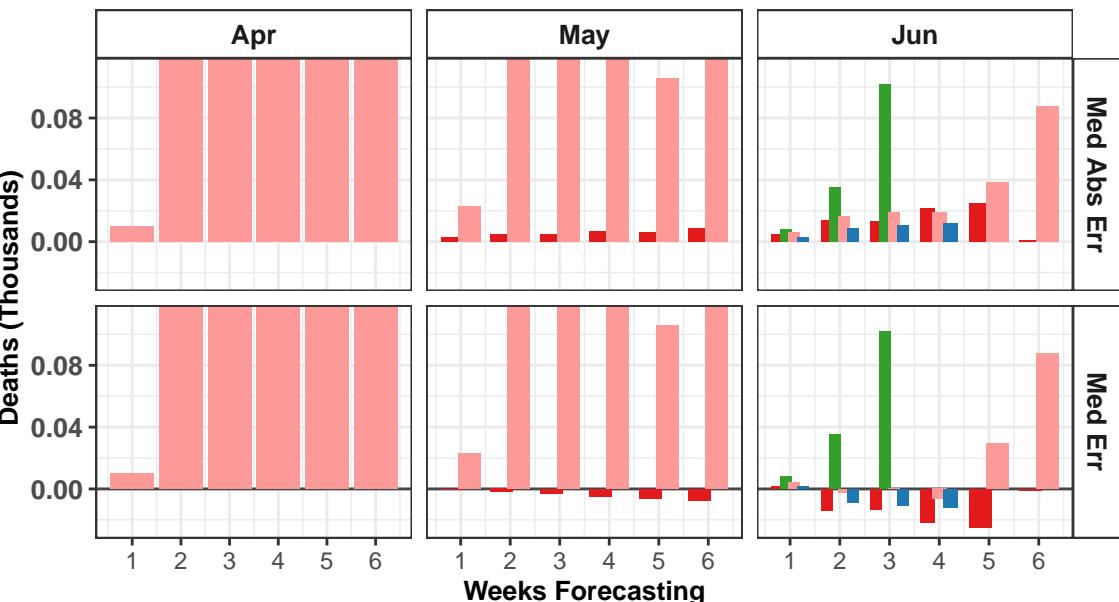


# Equatorial Guinea

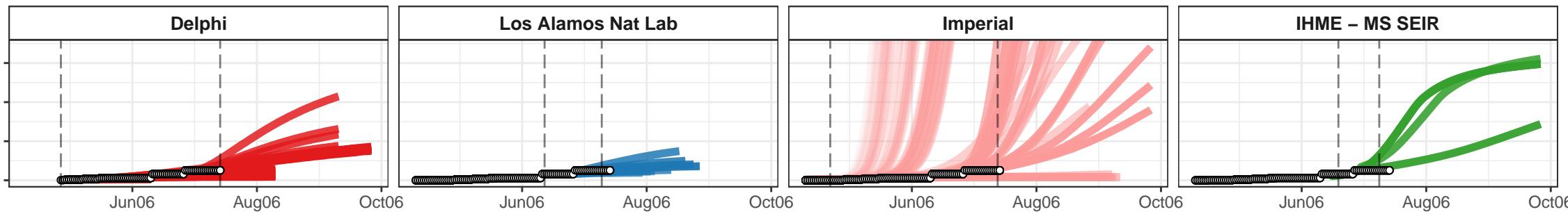
## Current Forecast



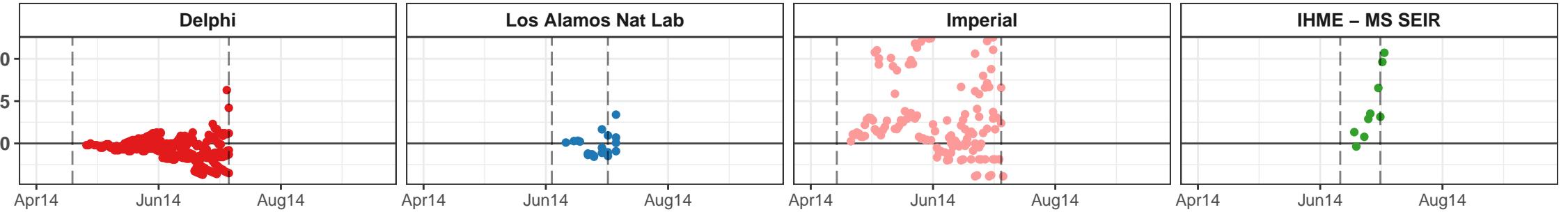
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

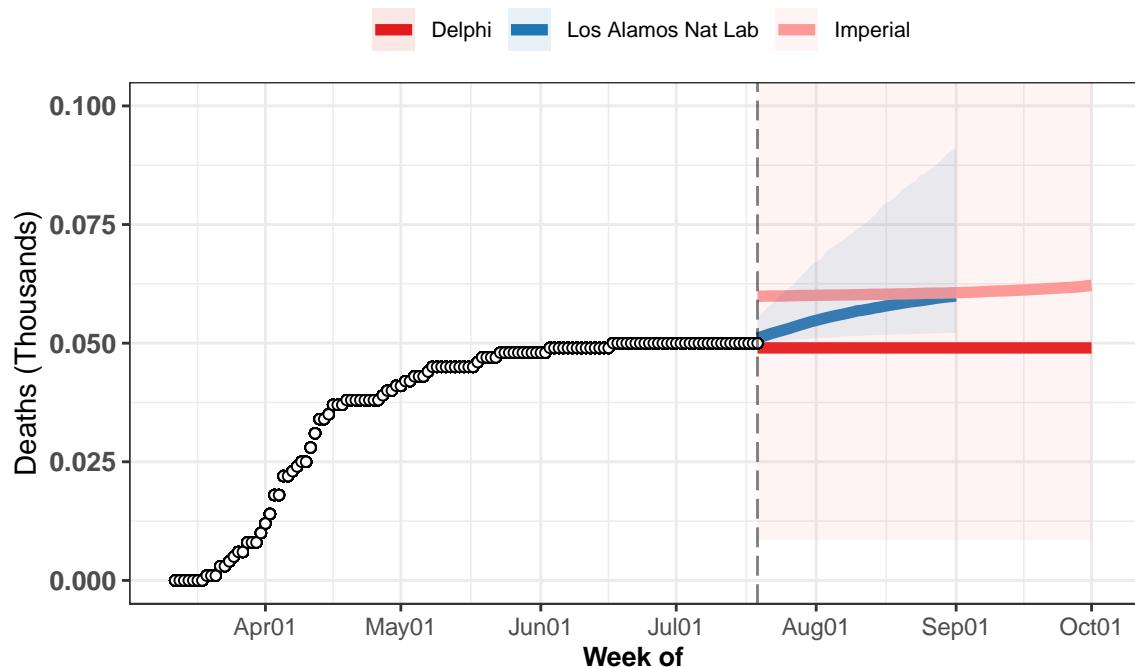


## All Cumulative Errors

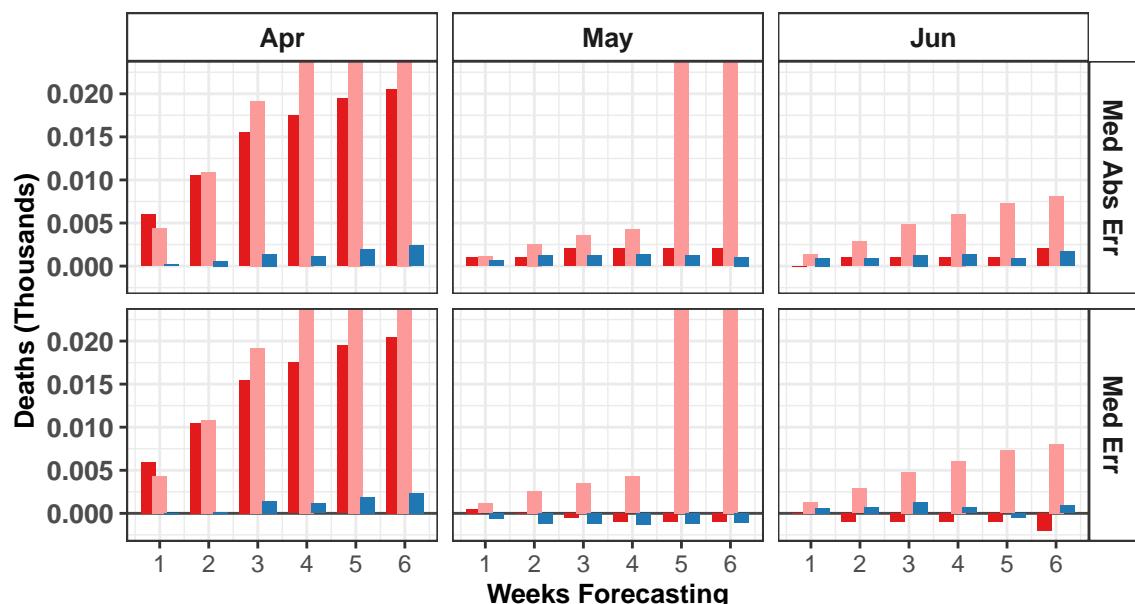


# Tunisia

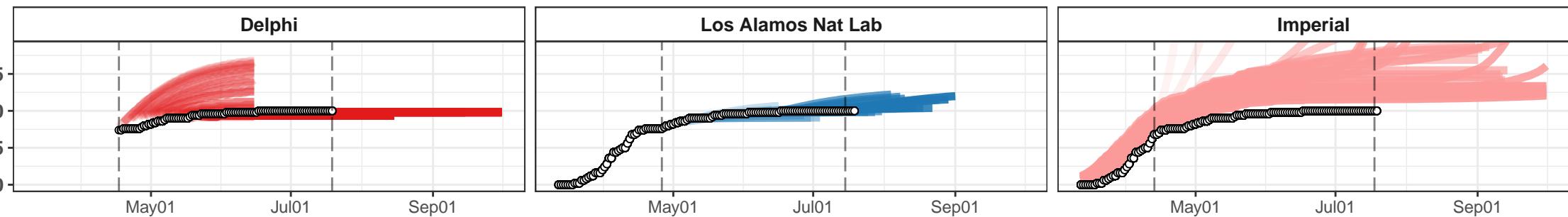
## Current Forecast



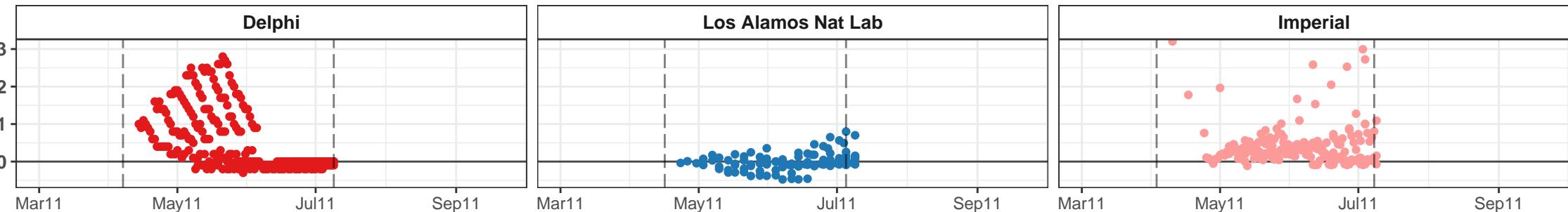
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



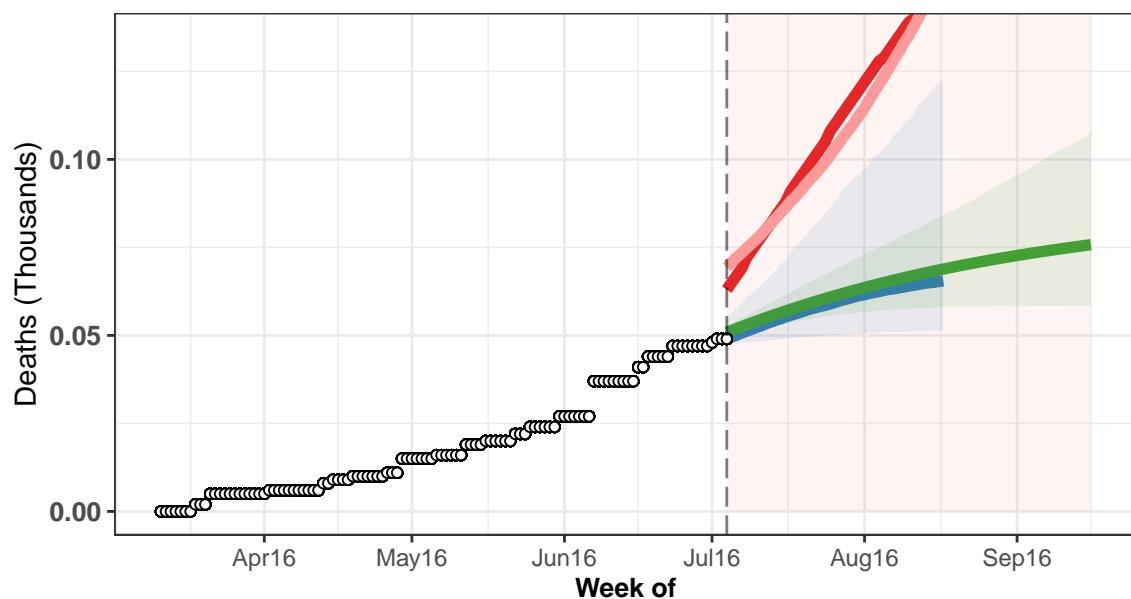
## All Cumulative Errors



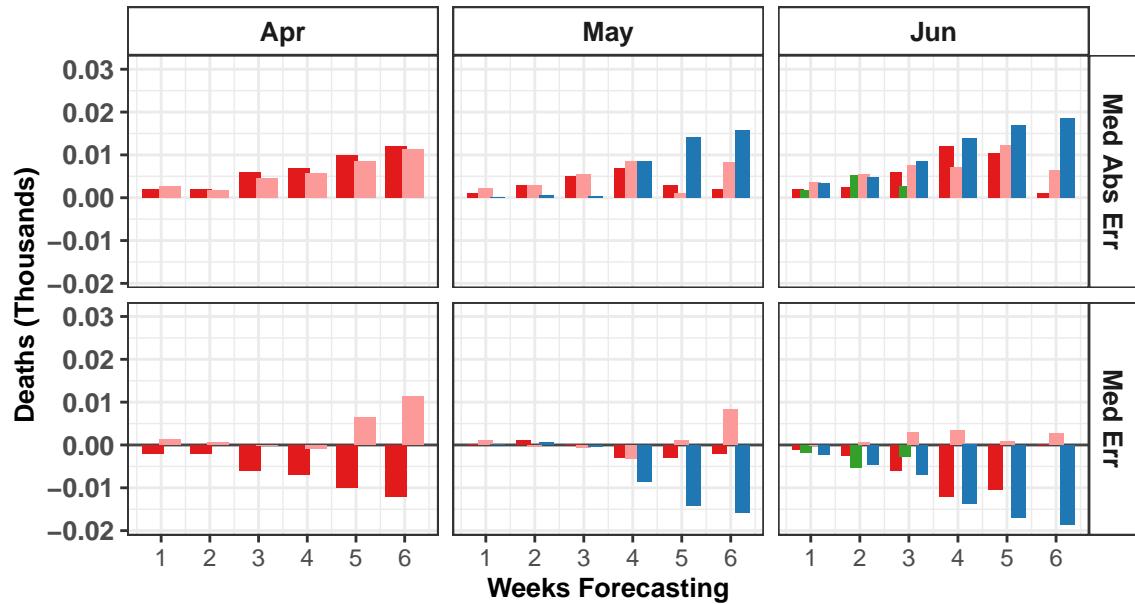
# Congo

## Current Forecast

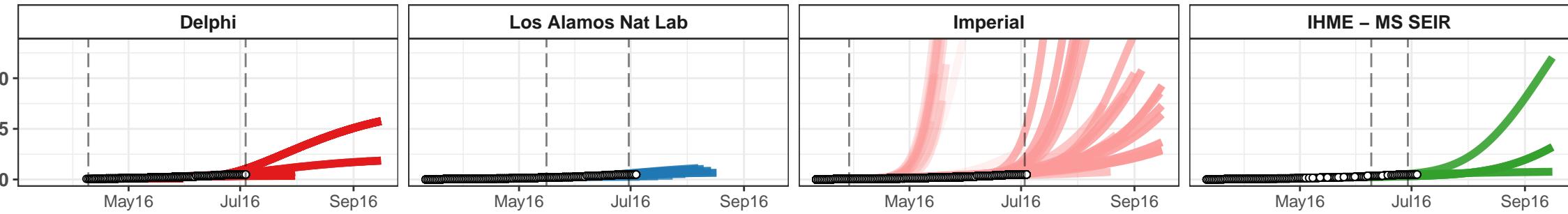
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



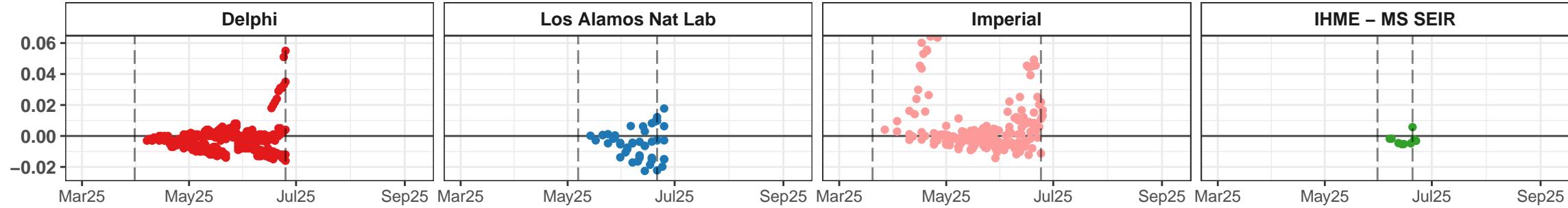
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

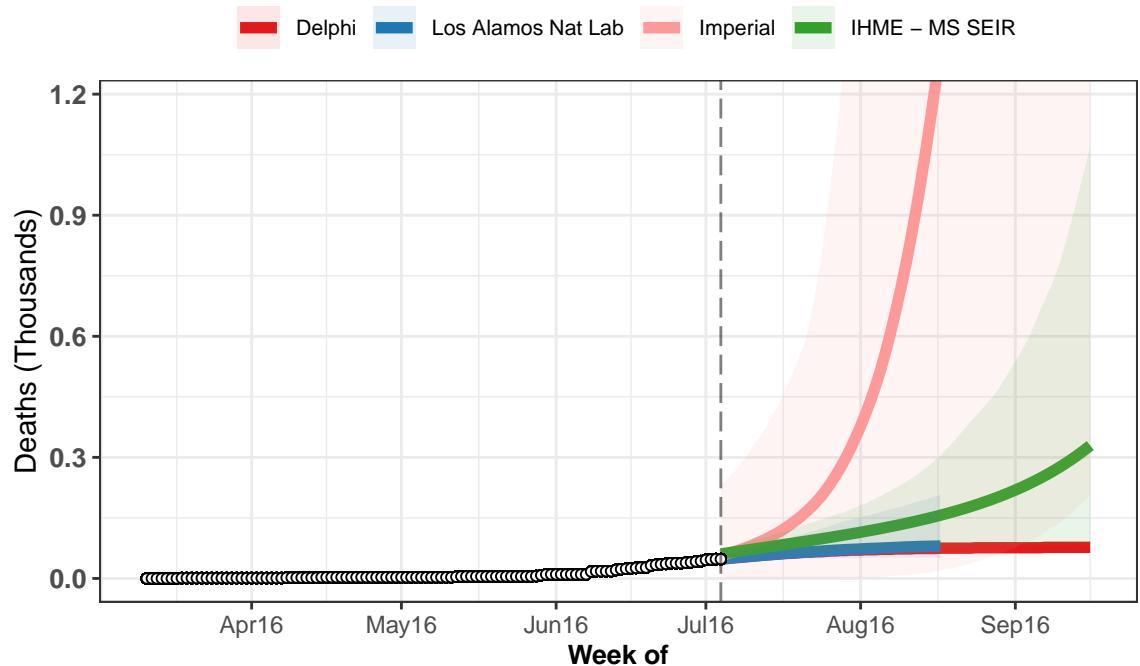


## All Cumulative Errors

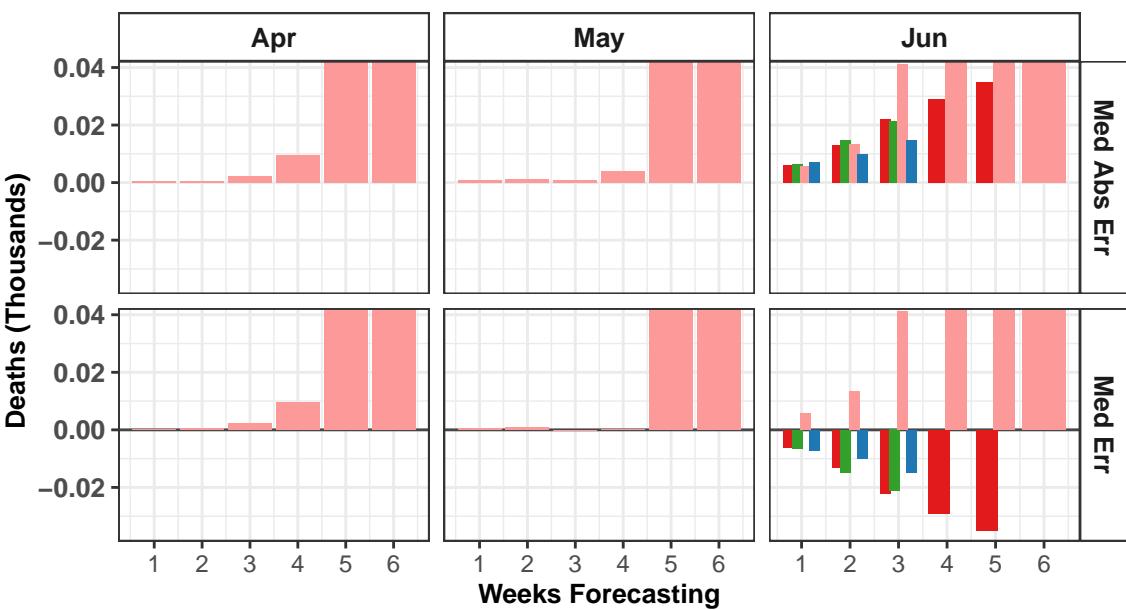


# Libya

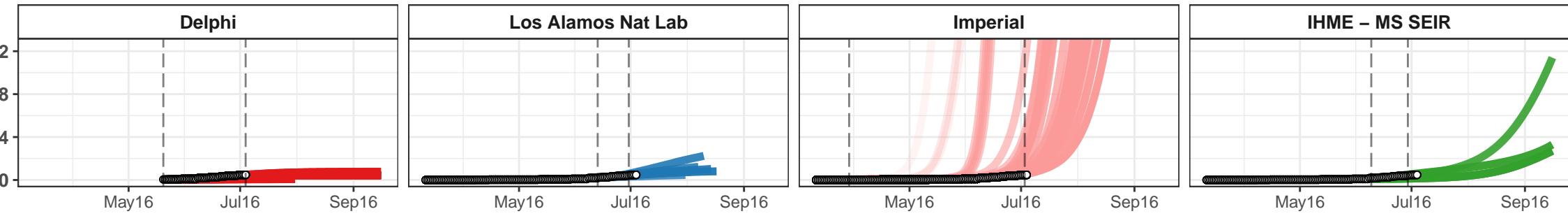
## Current Forecast



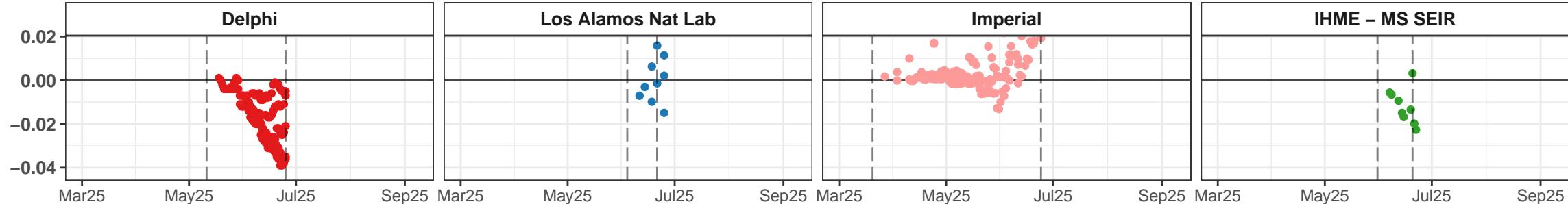
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

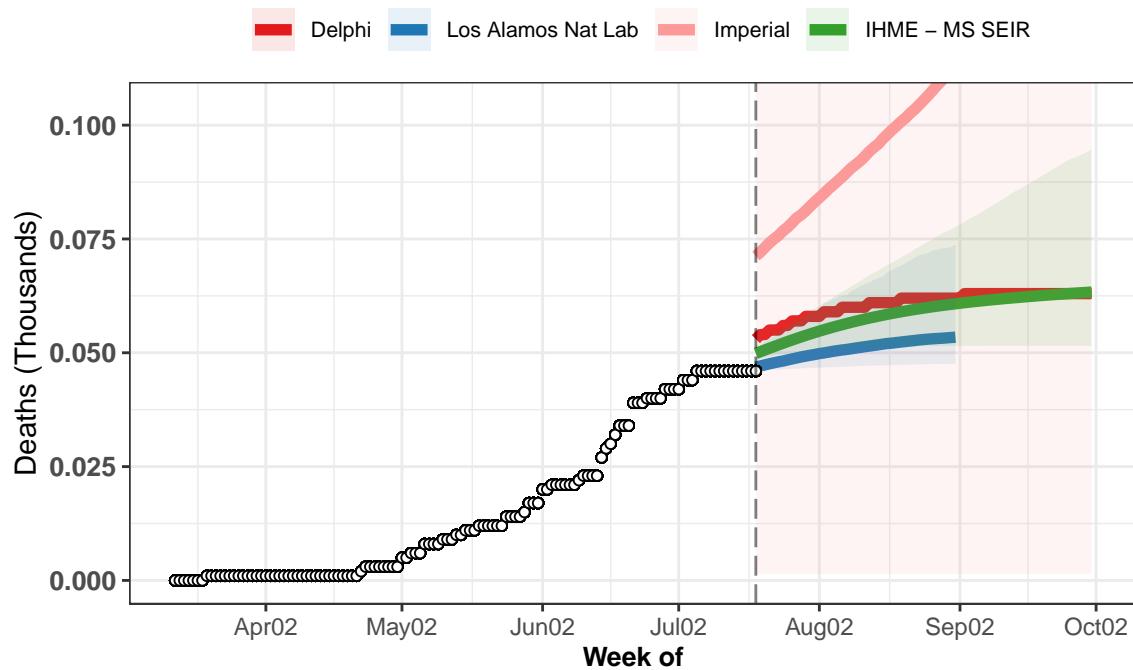


## All Cumulative Errors

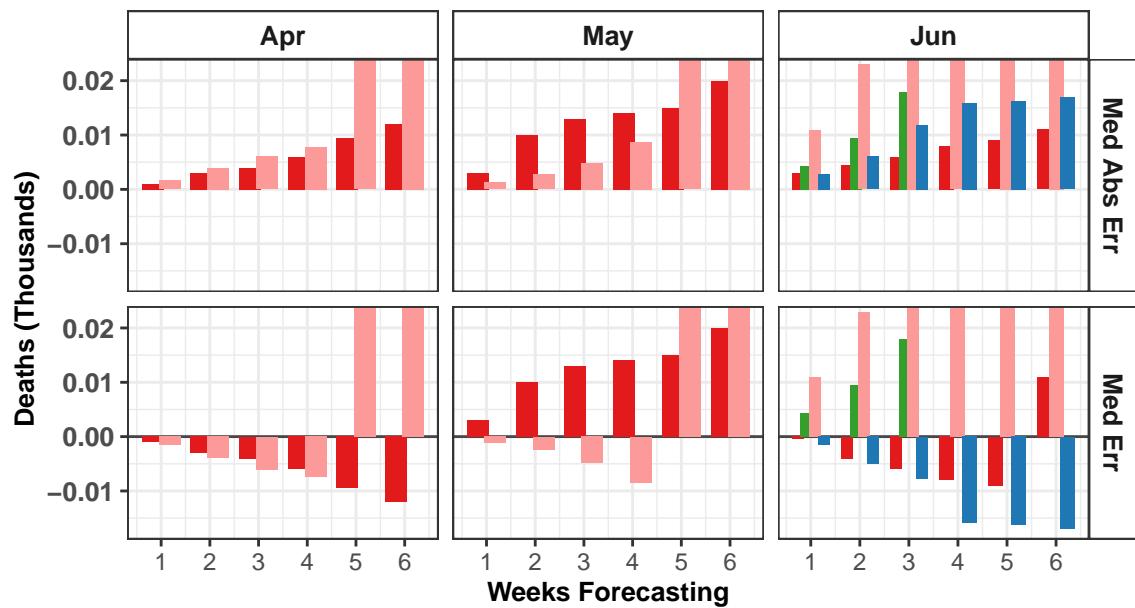


# Gabon

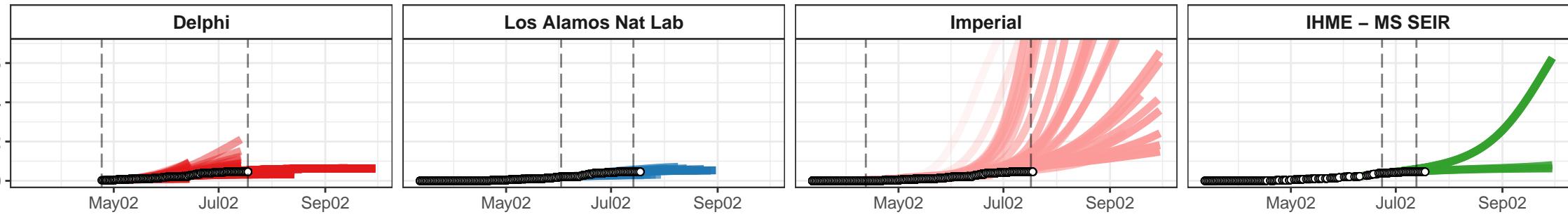
## Current Forecast



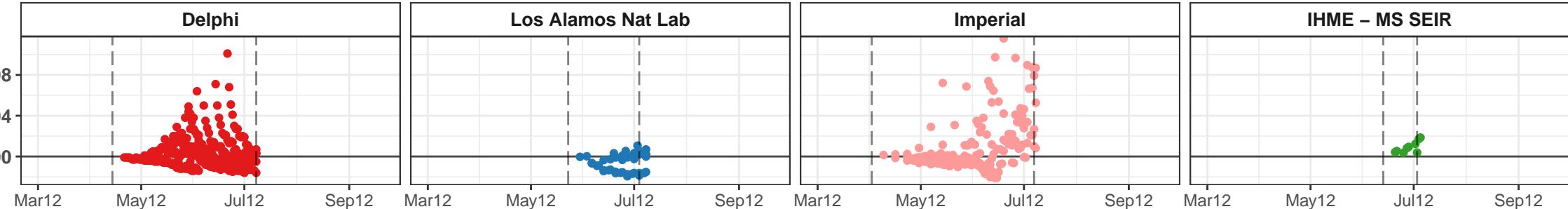
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

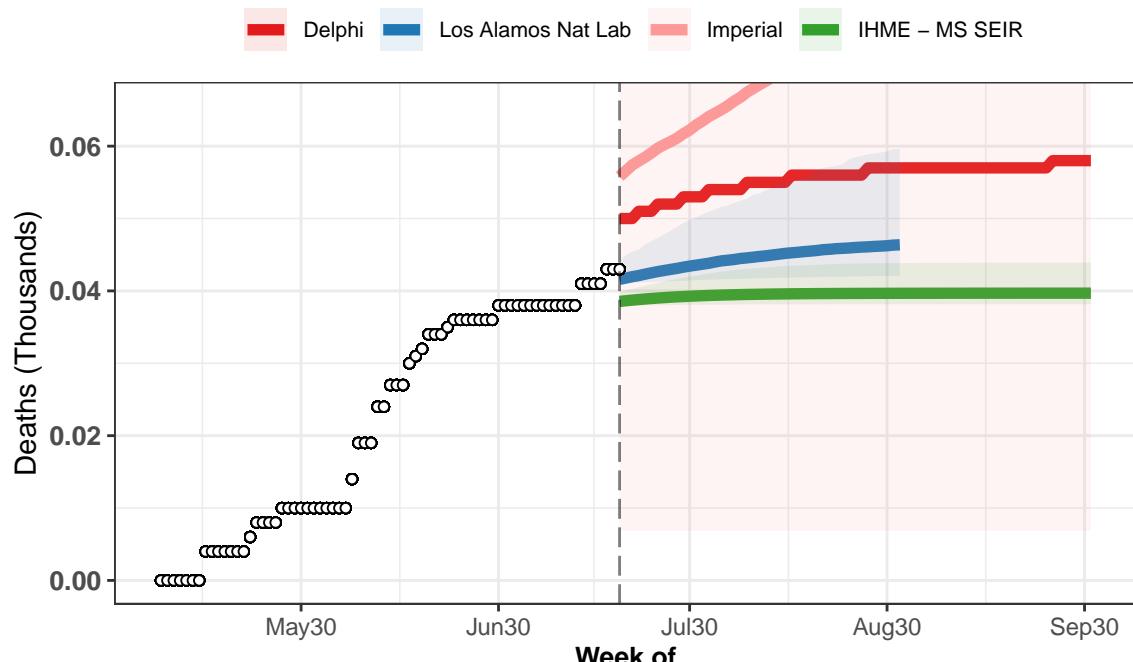


## All Cumulative Errors

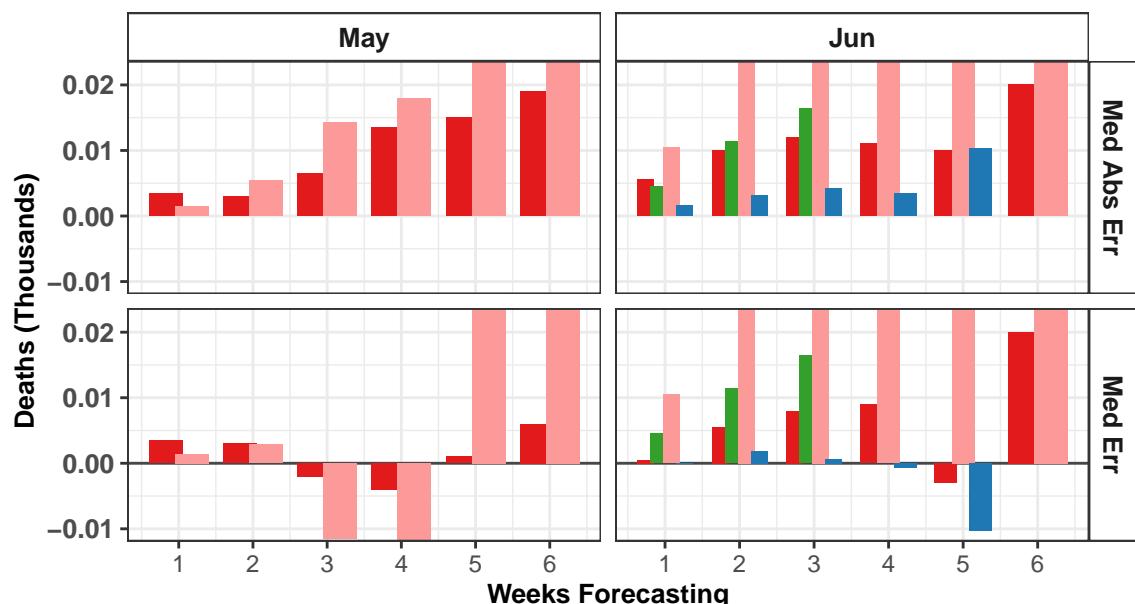


# South Sudan

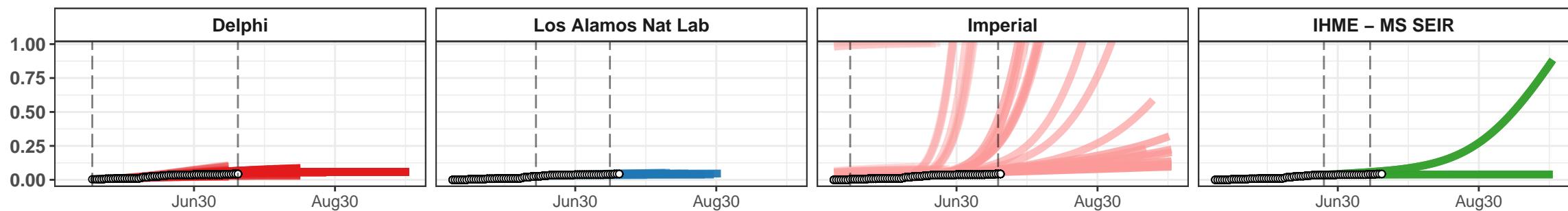
## Current Forecast



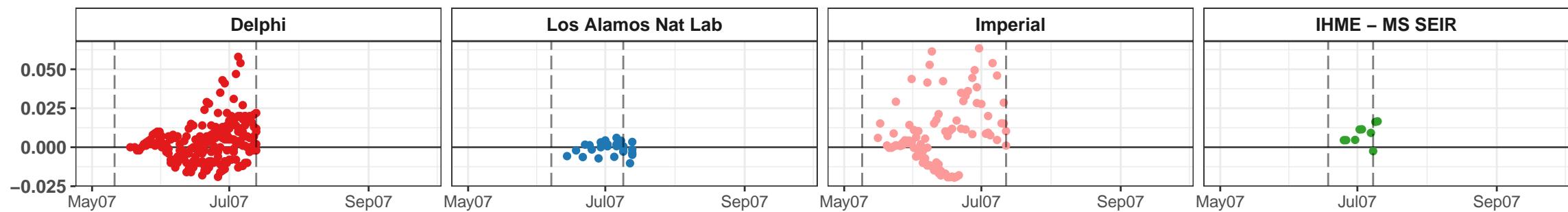
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

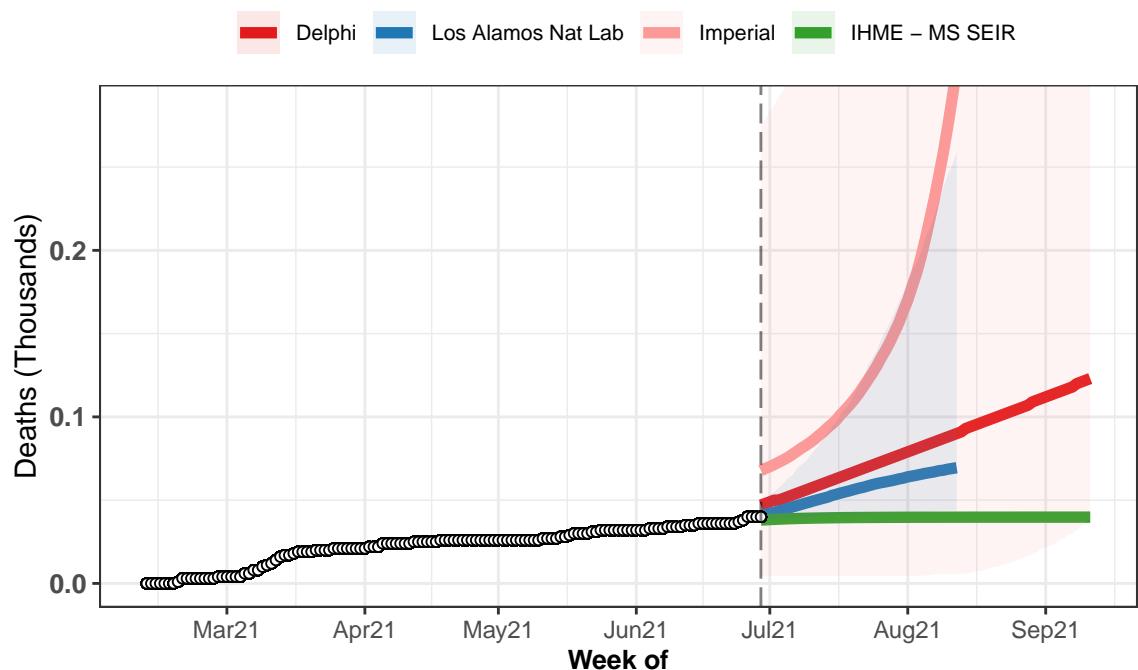


## All Cumulative Errors

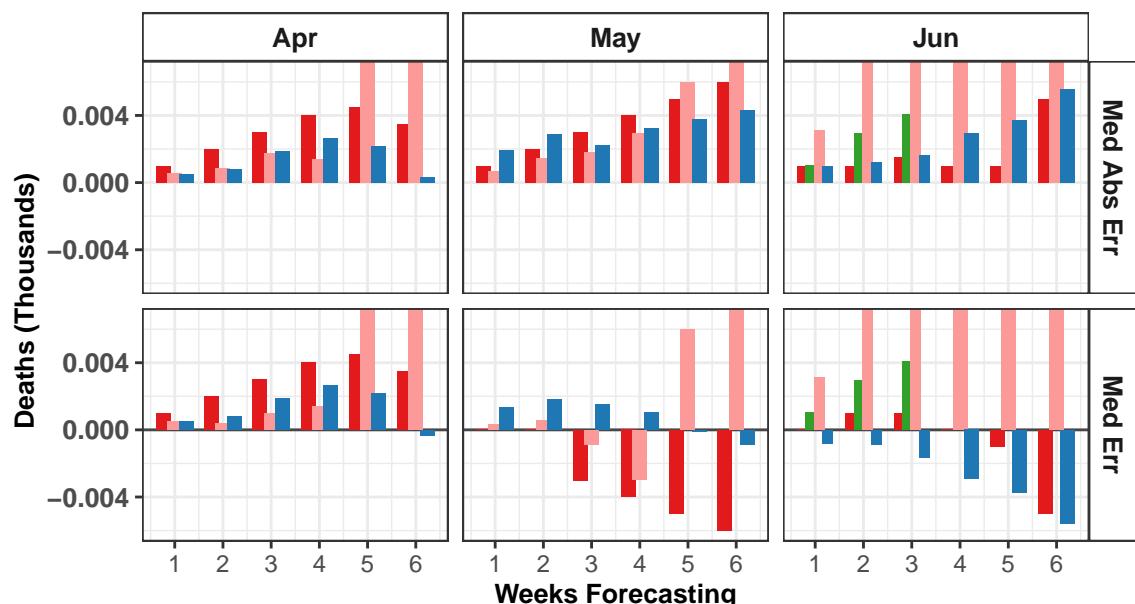


# Lebanon

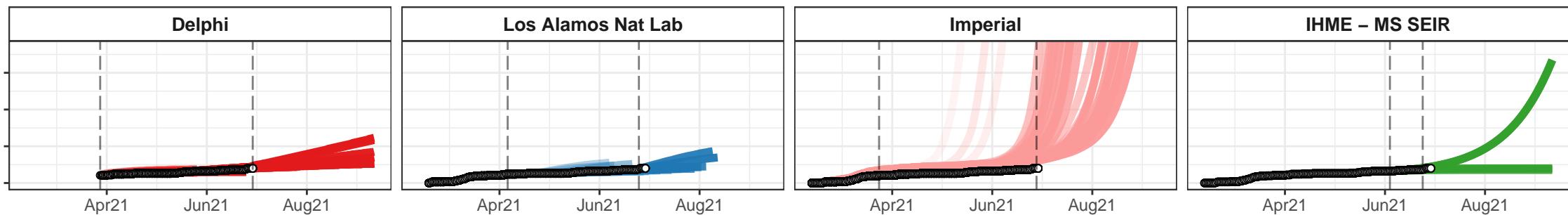
## Current Forecast



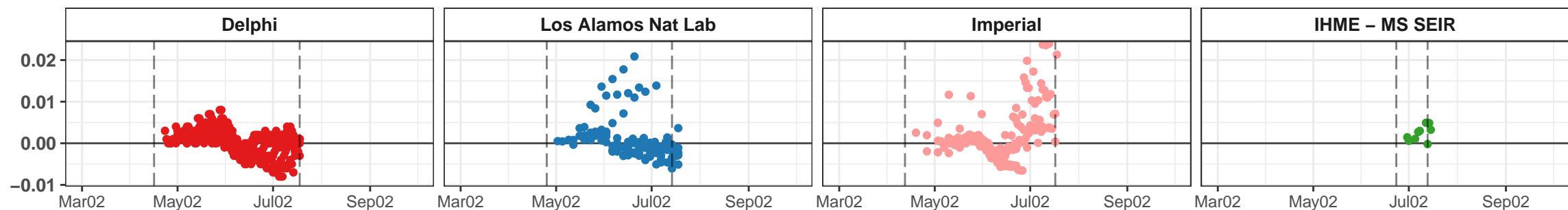
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

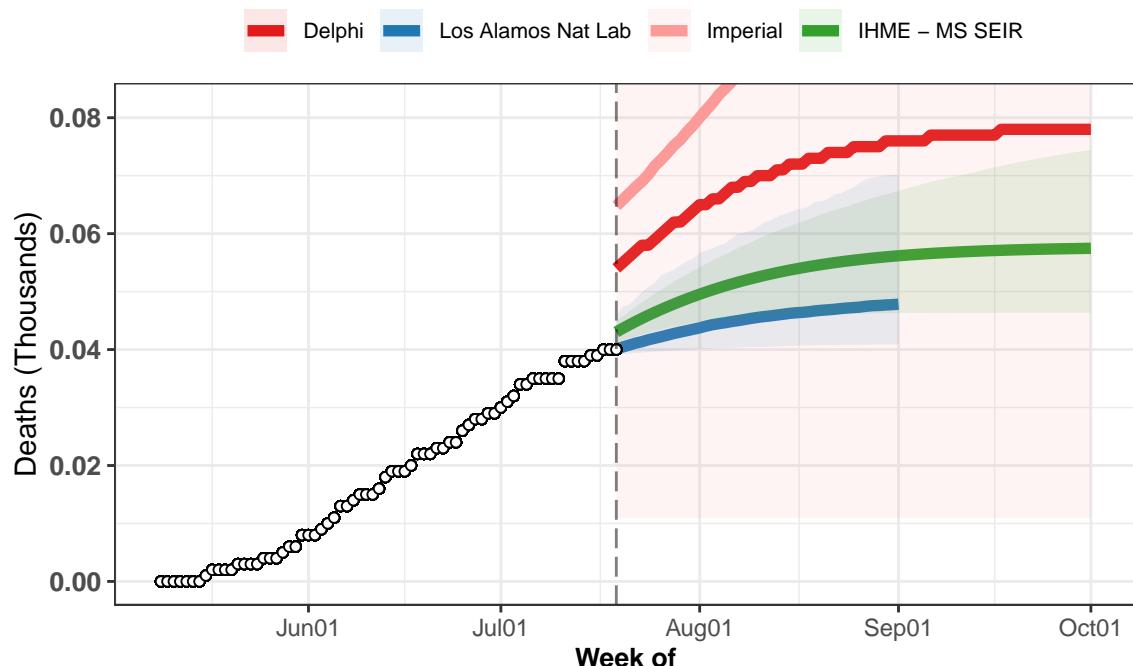


## All Cumulative Errors

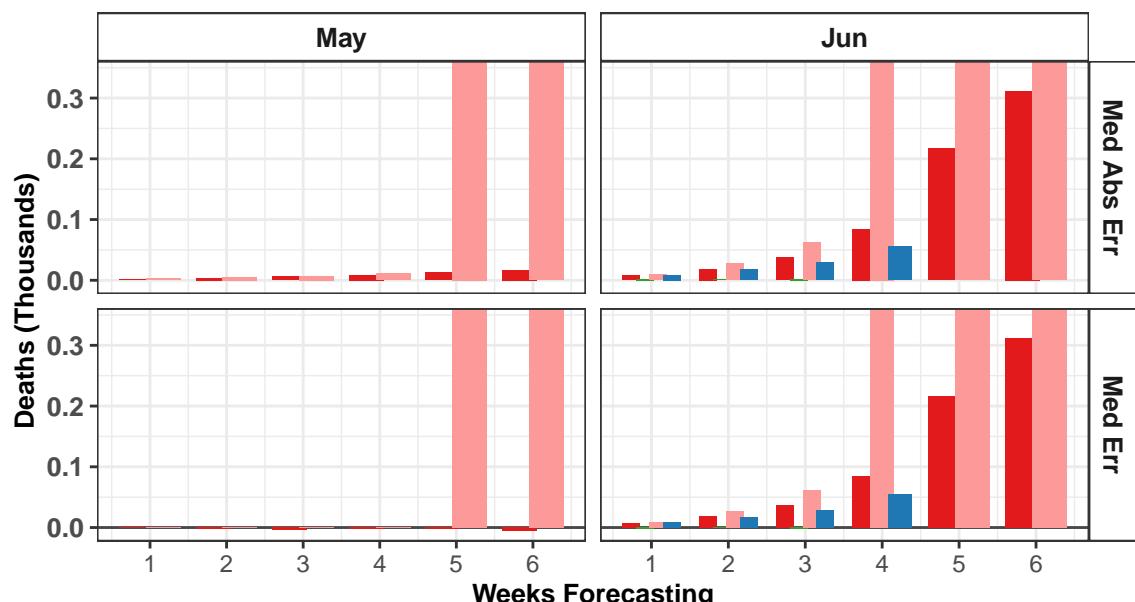


# Nepal

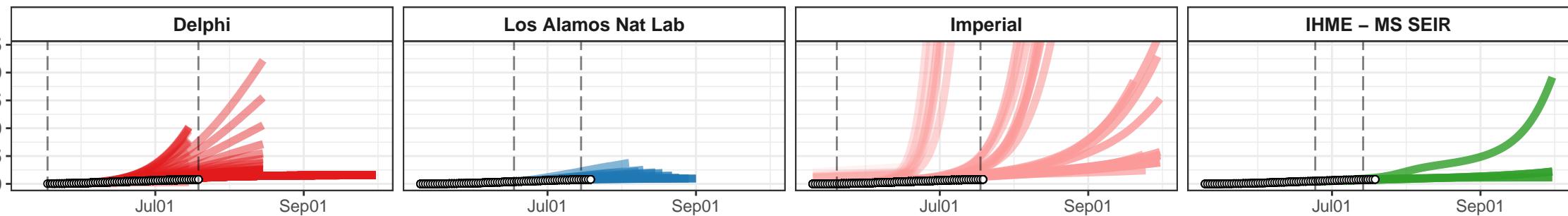
## Current Forecast



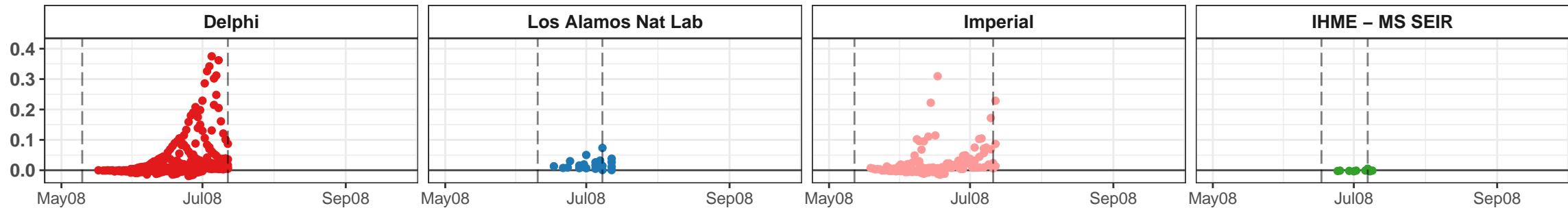
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

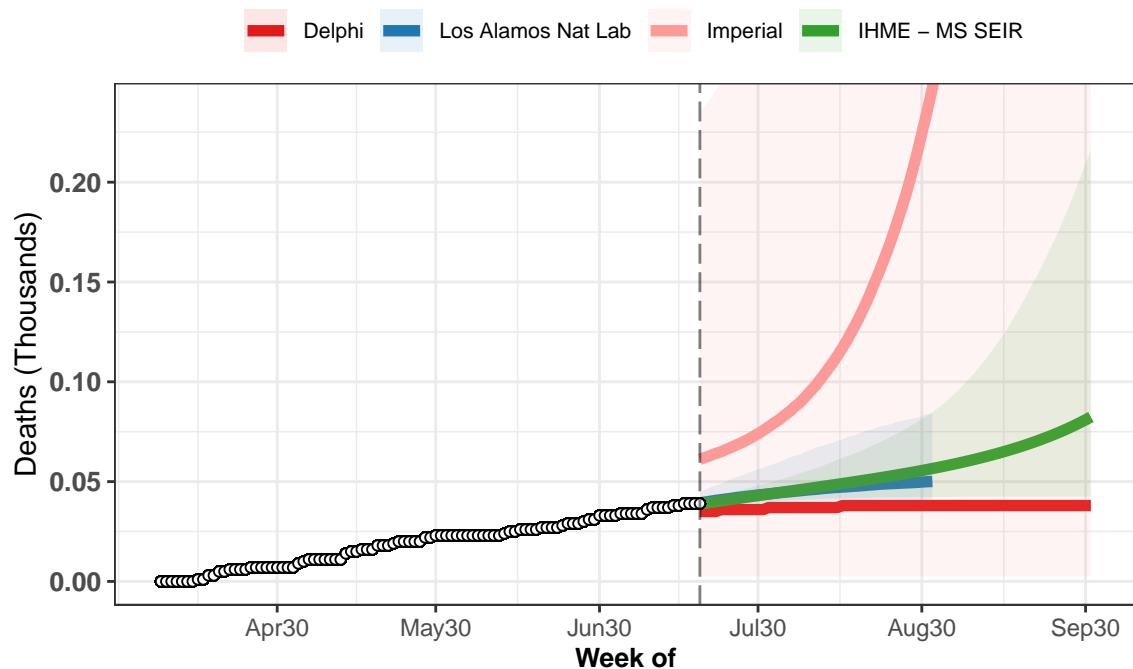


## All Cumulative Errors

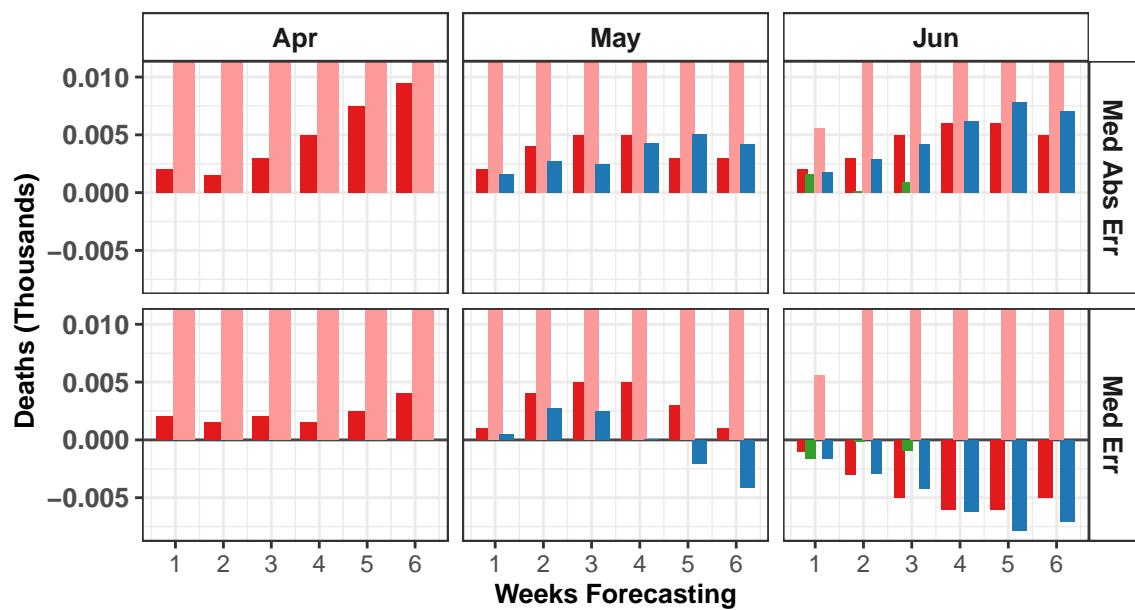


# Guinea

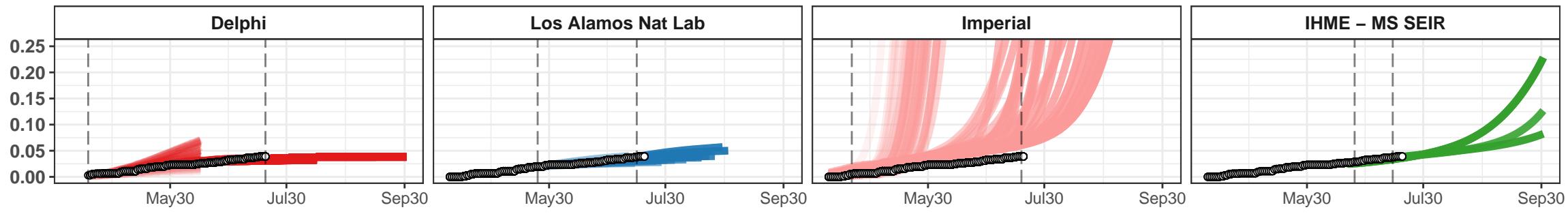
## Current Forecast



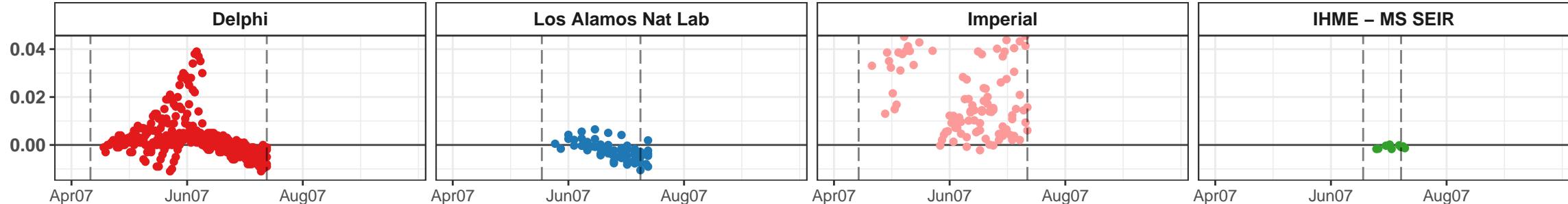
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

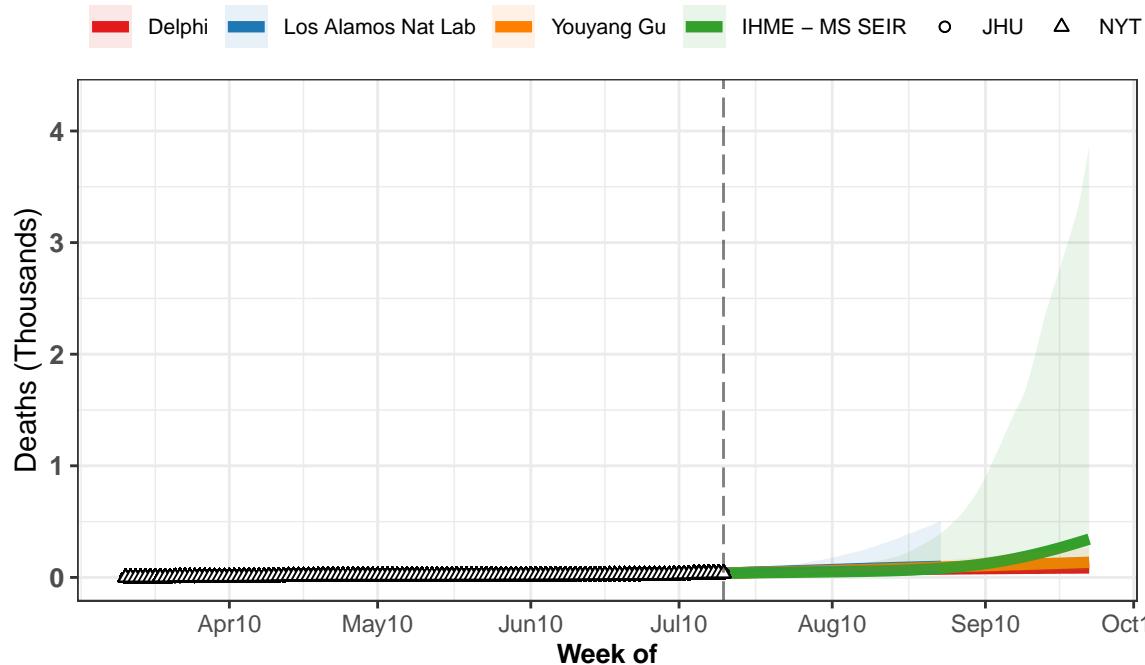


## All Cumulative Errors

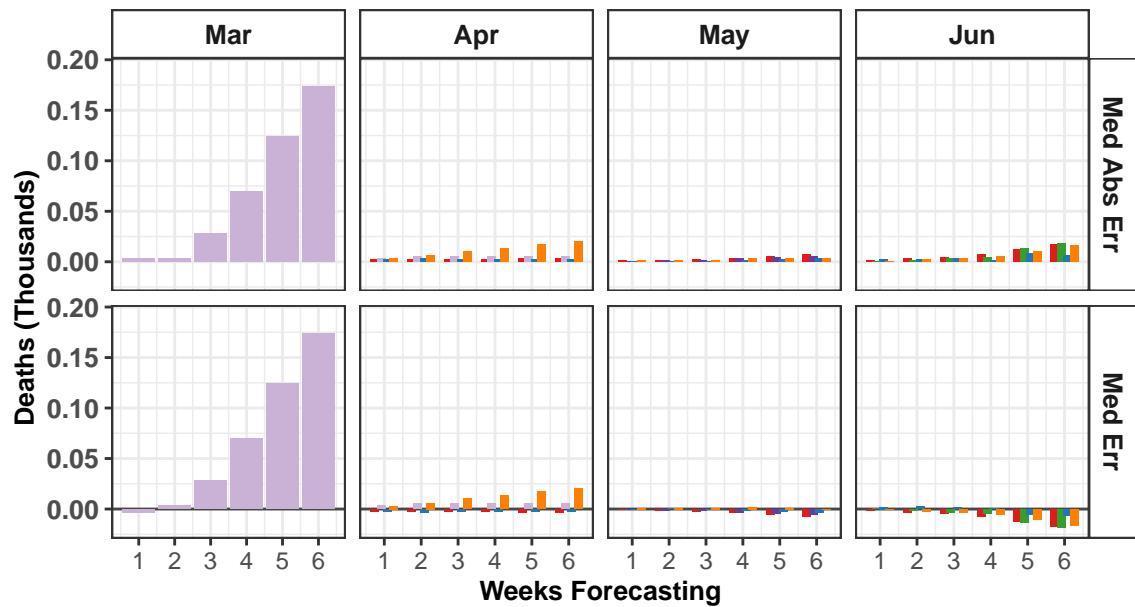


# Montana

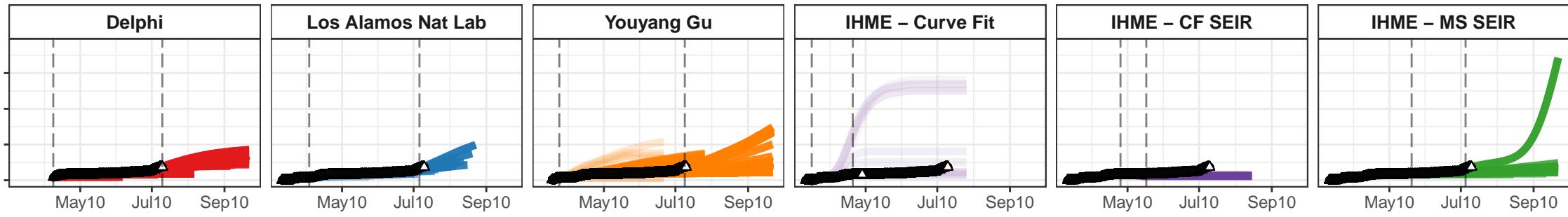
## Current Forecast



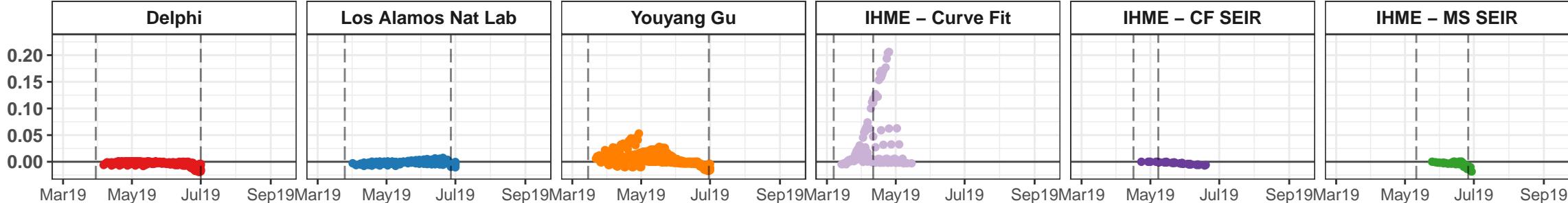
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



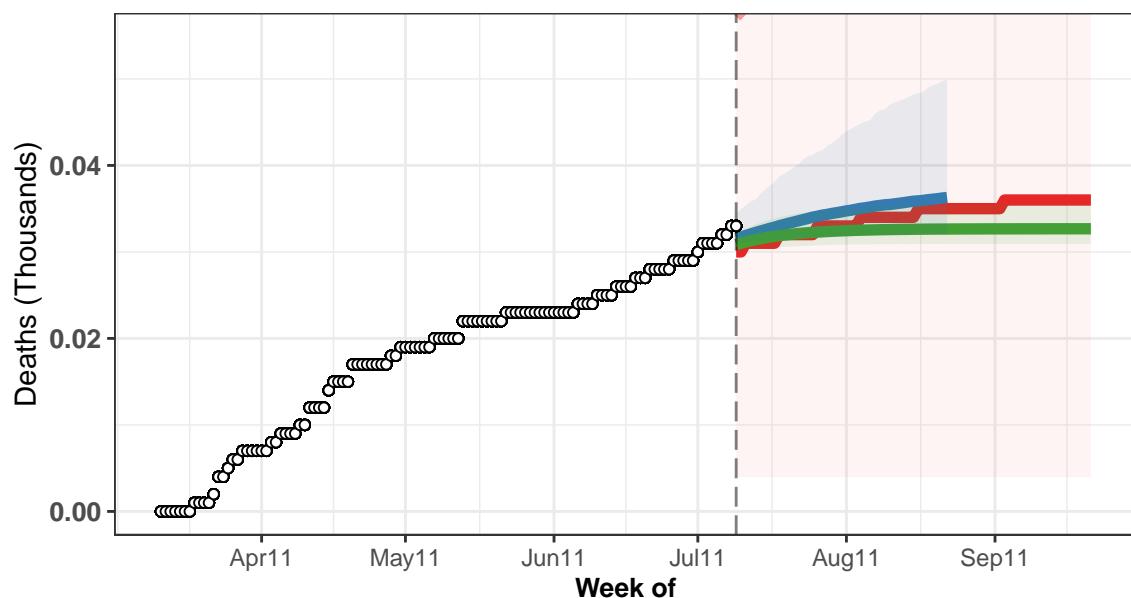
## All Cumulative Errors



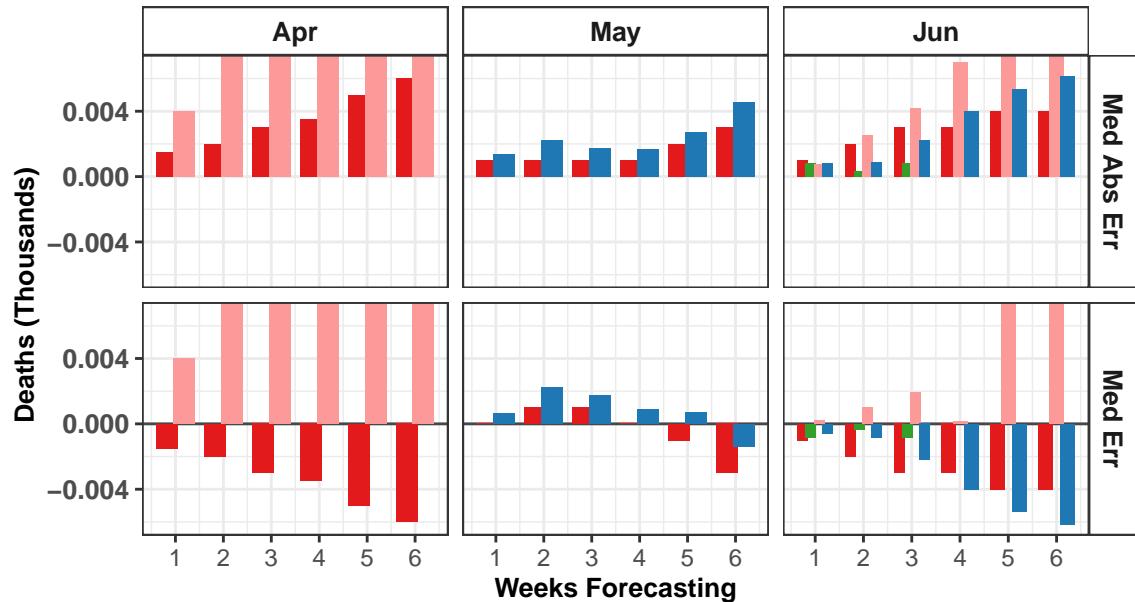
# Uruguay

## Current Forecast

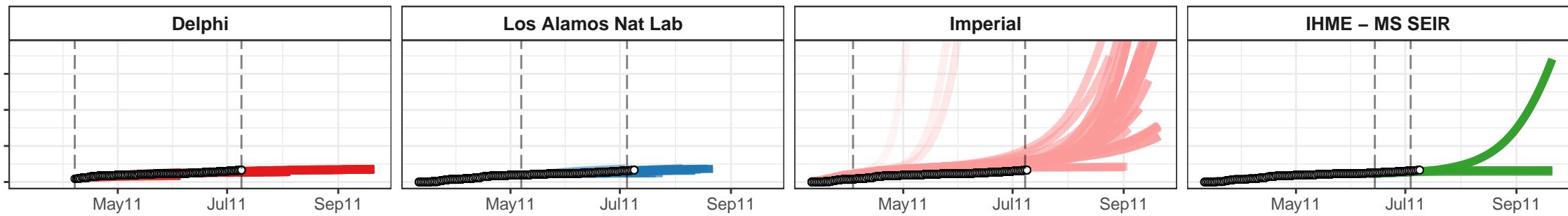
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



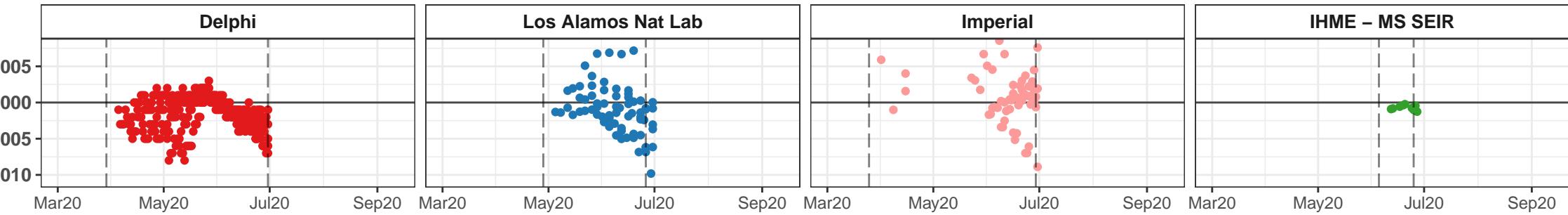
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



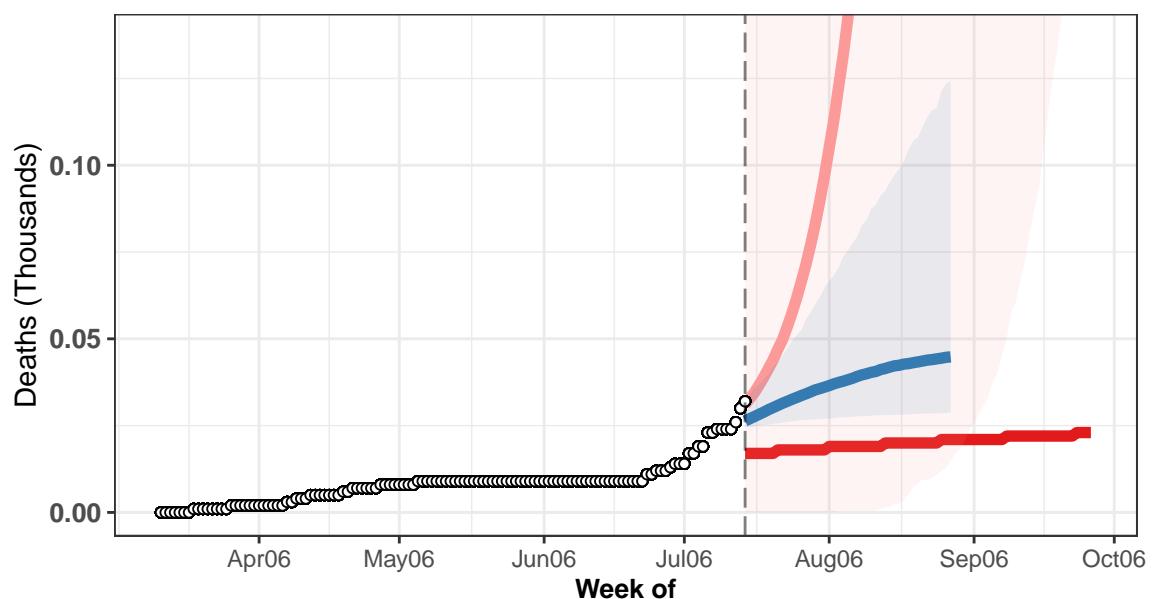
## All Cumulative Errors



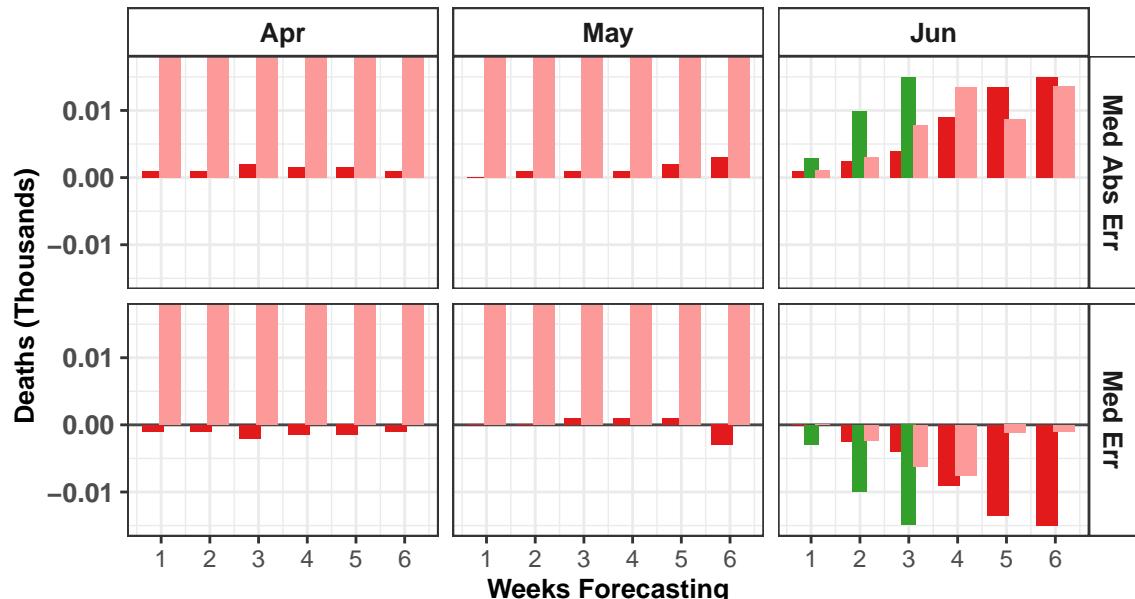
# Montenegro

## Current Forecast

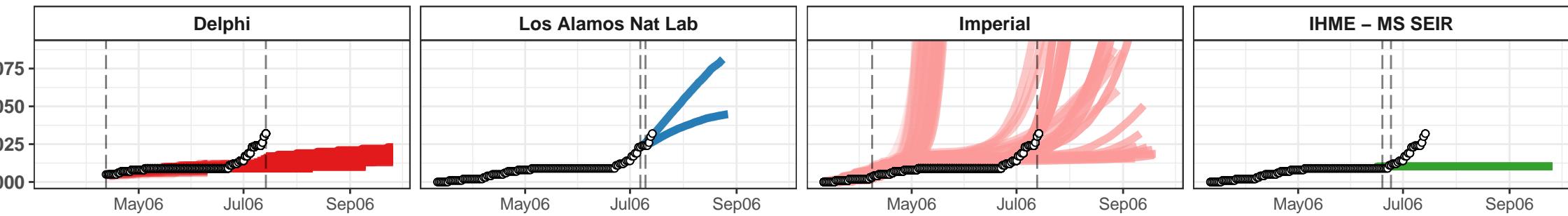
Delphi   Los Alamos Nat Lab   Imperial



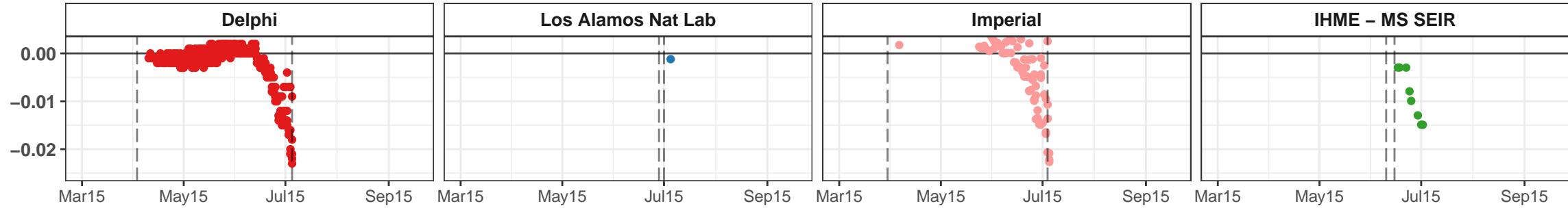
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



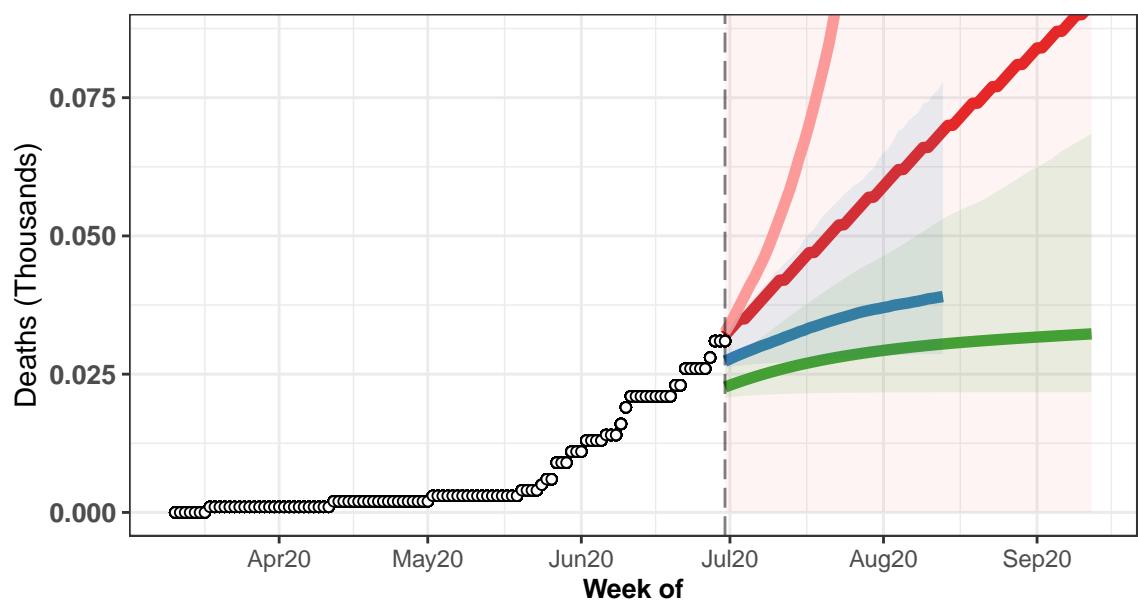
## All Cumulative Errors



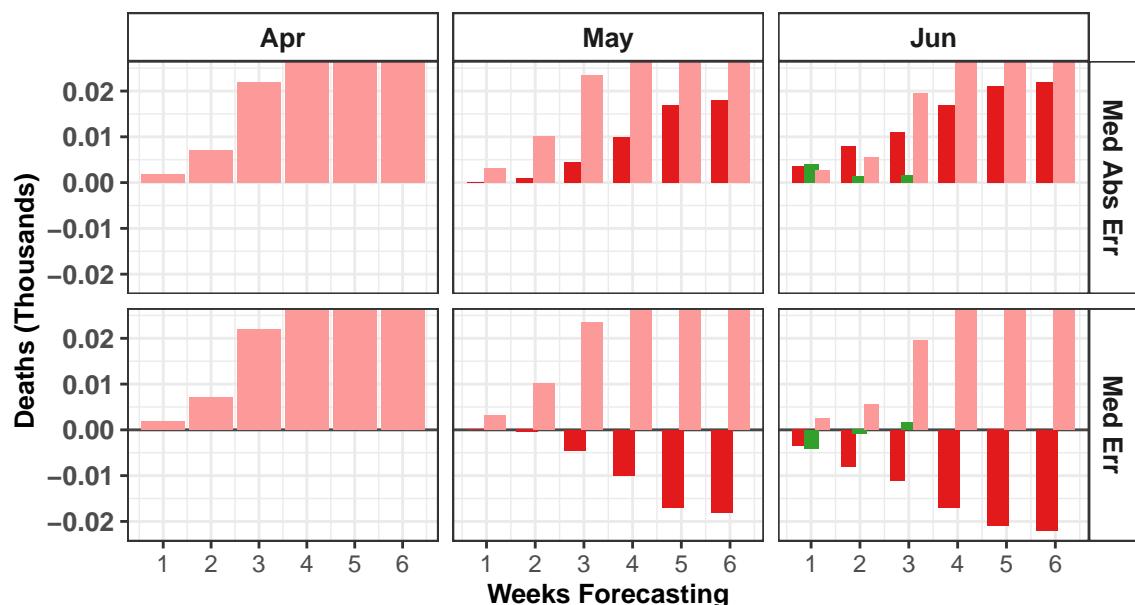
# Benin

## Current Forecast

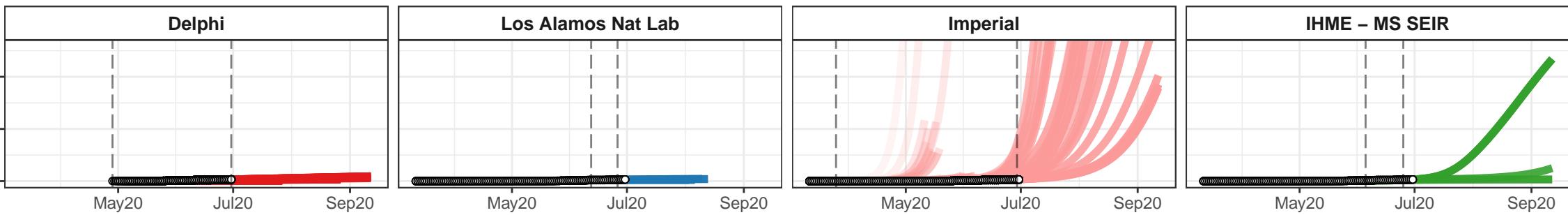
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



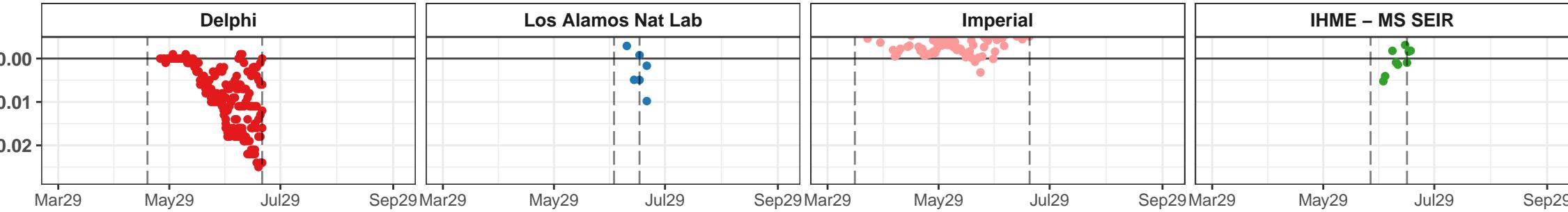
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

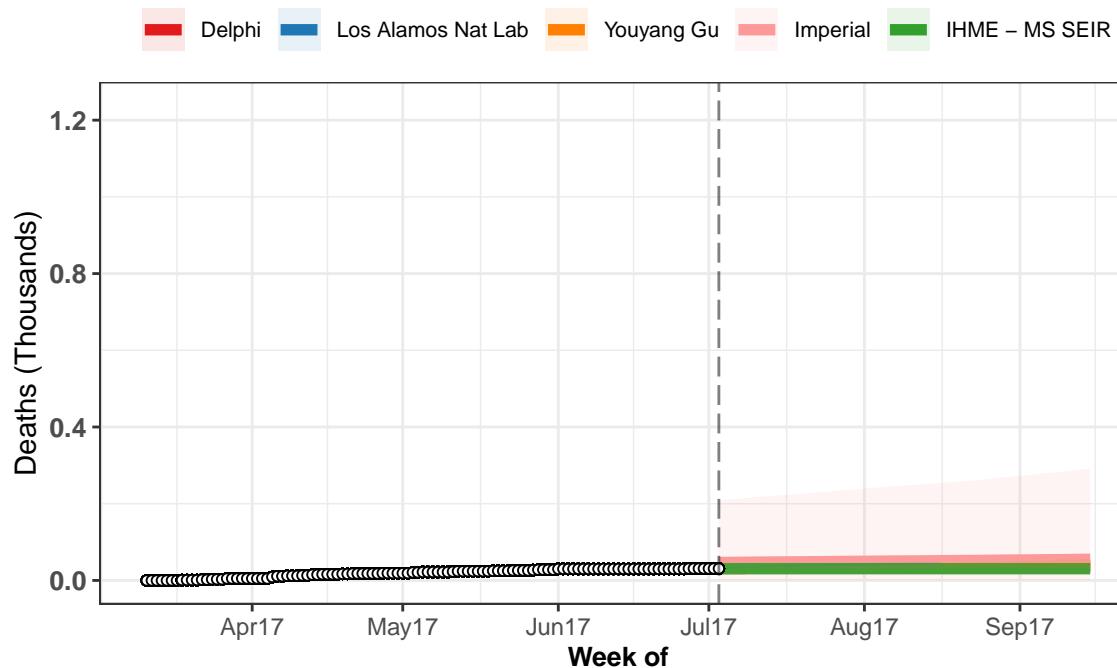


## All Cumulative Errors

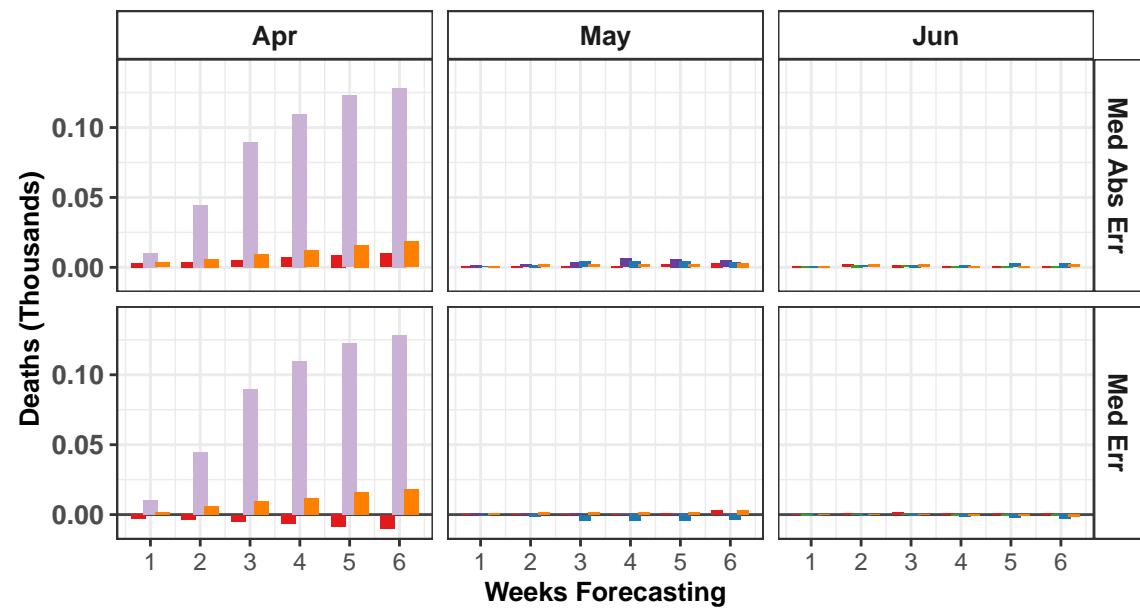


# Latvia

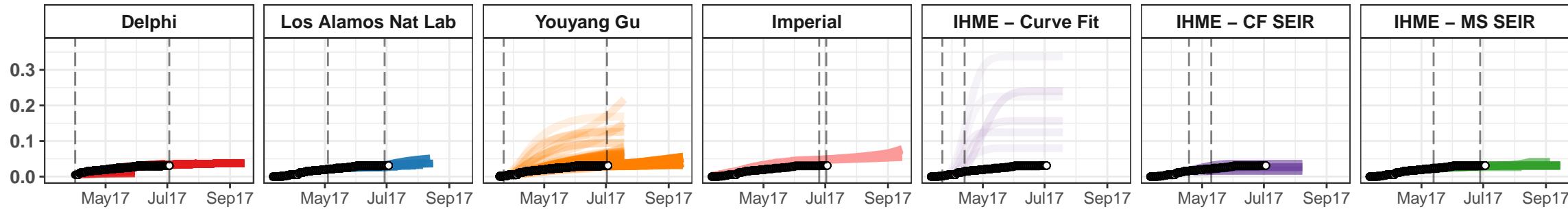
## Current Forecast



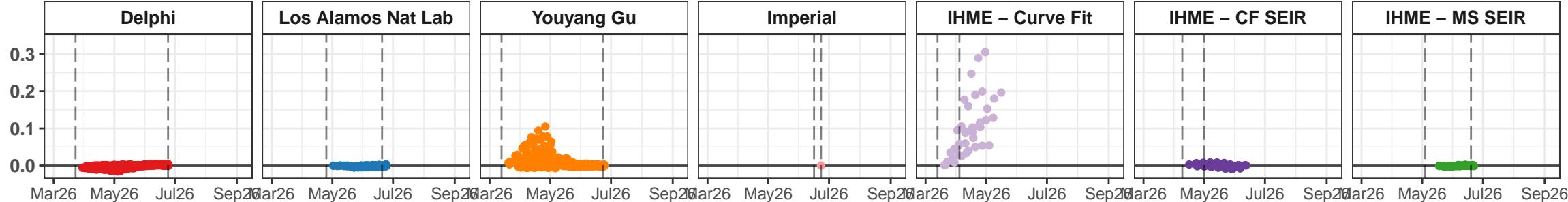
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

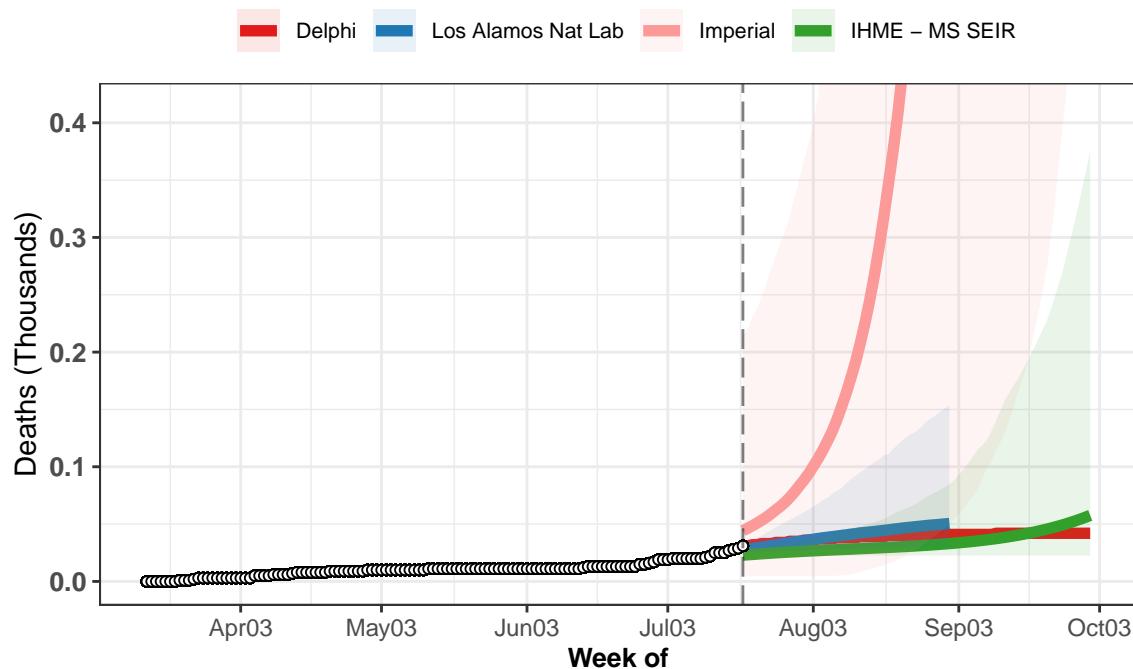


## All Cumulative Errors

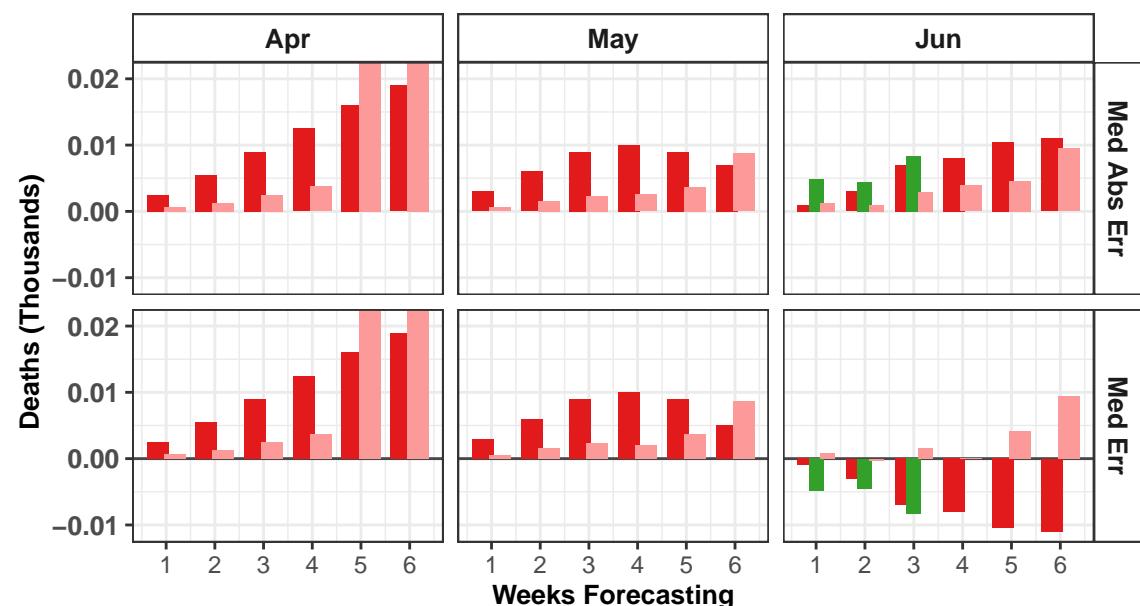


# Paraguay

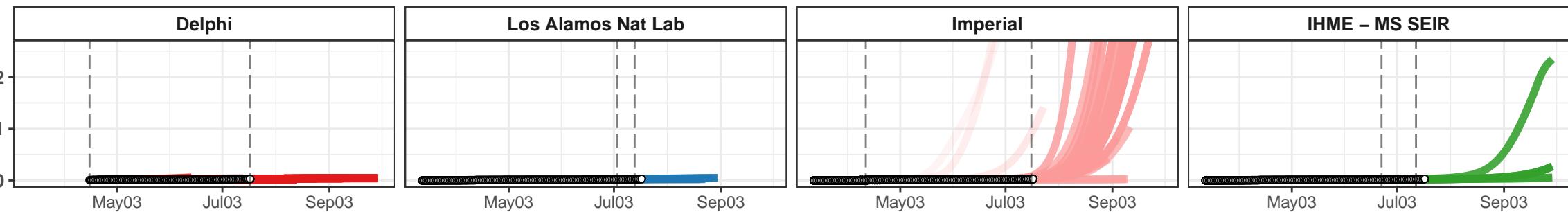
## Current Forecast



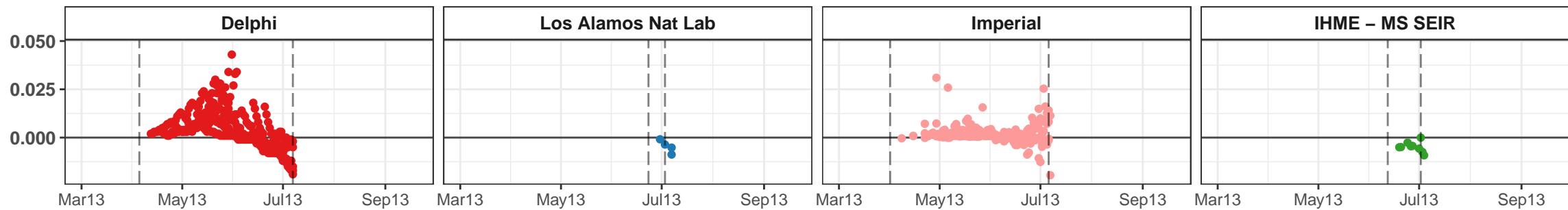
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

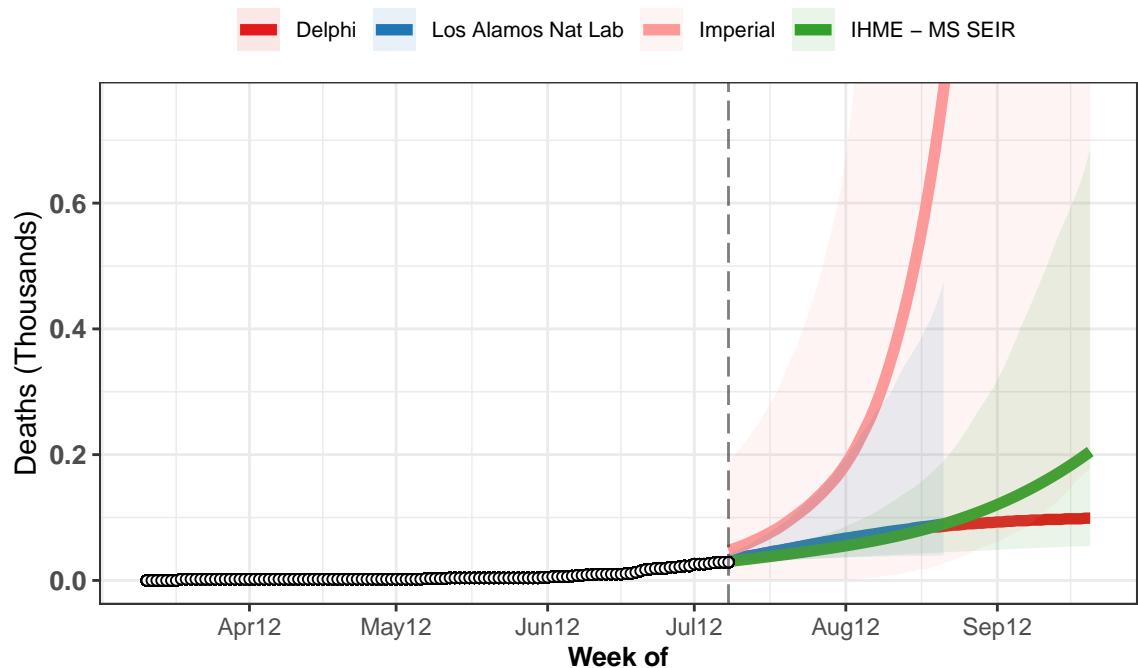


## All Cumulative Errors

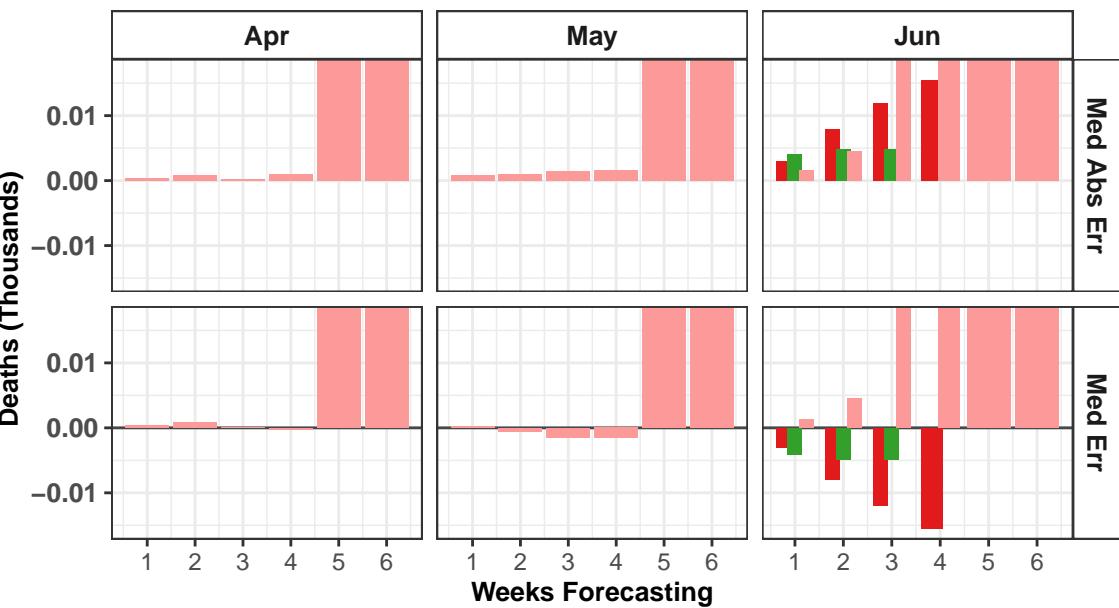


# Angola

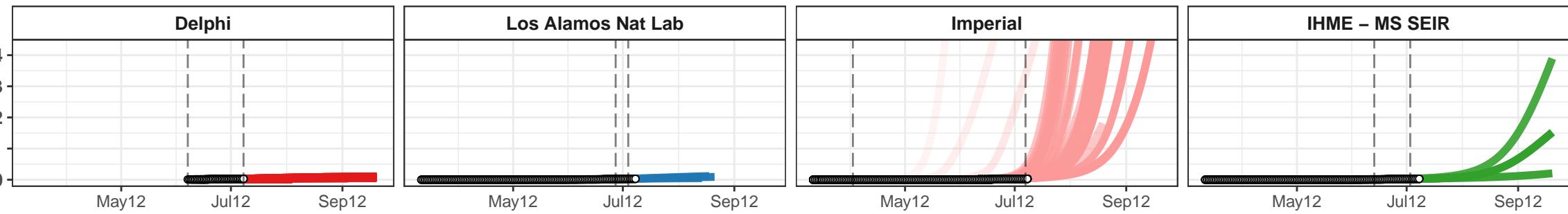
## Current Forecast



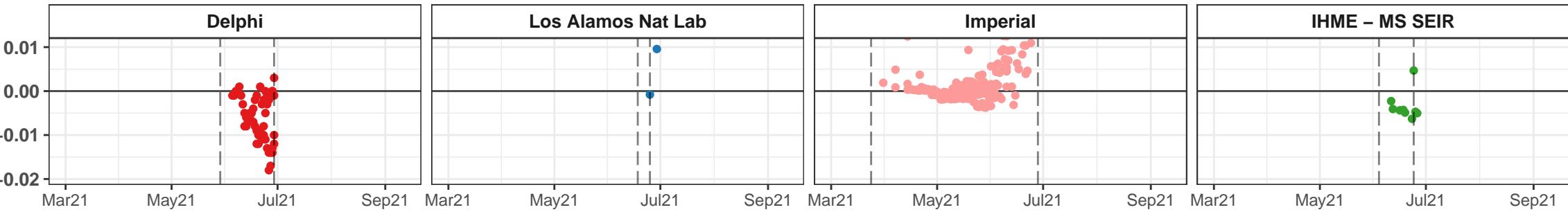
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



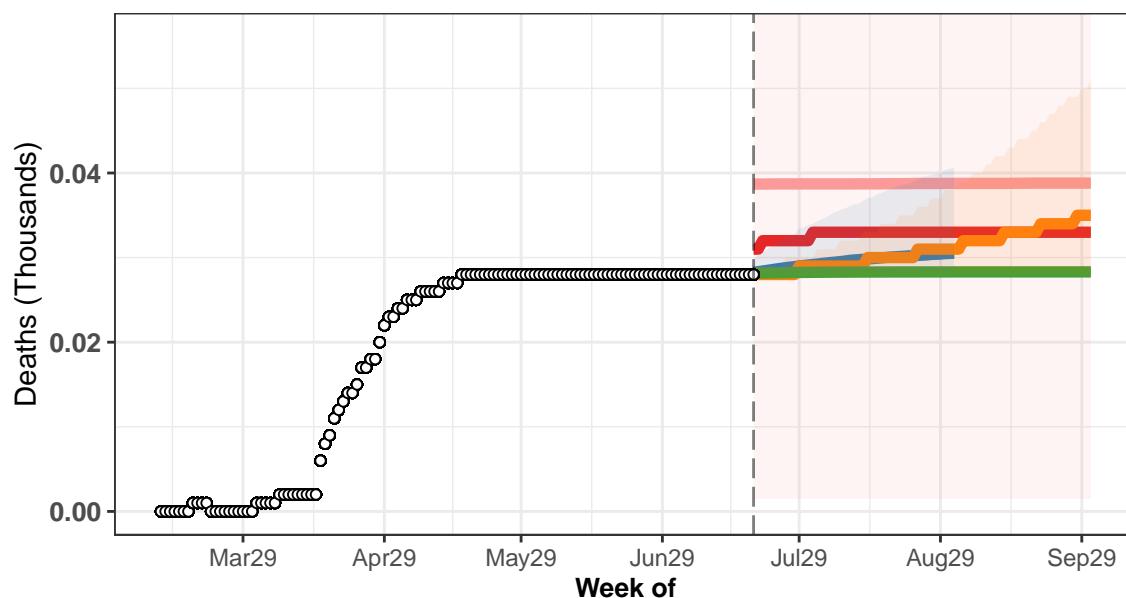
## All Cumulative Errors



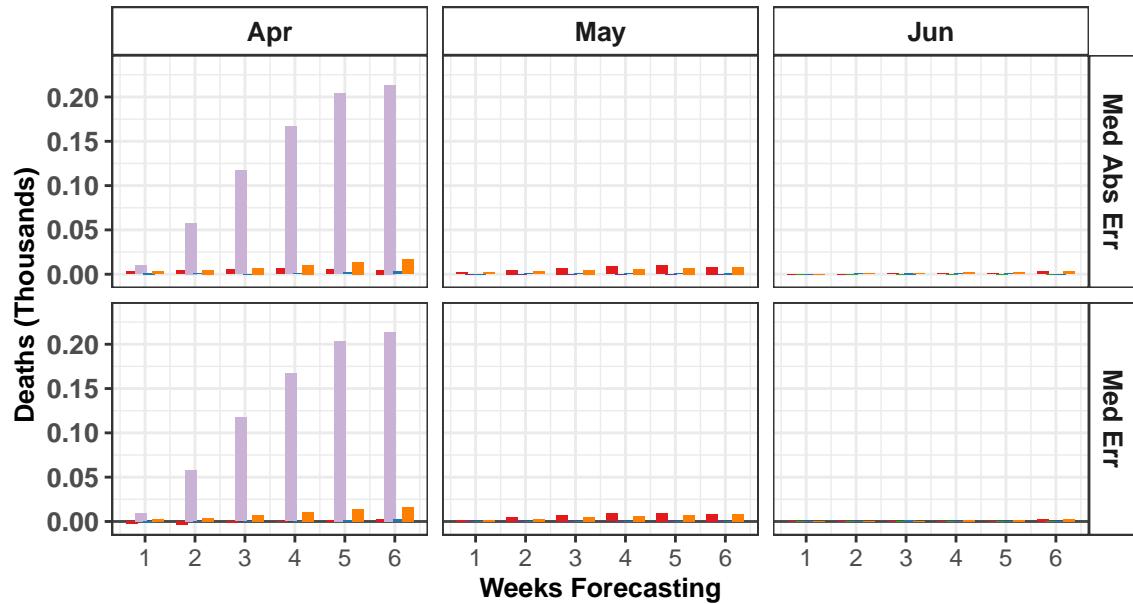
# Slovakia

## Current Forecast

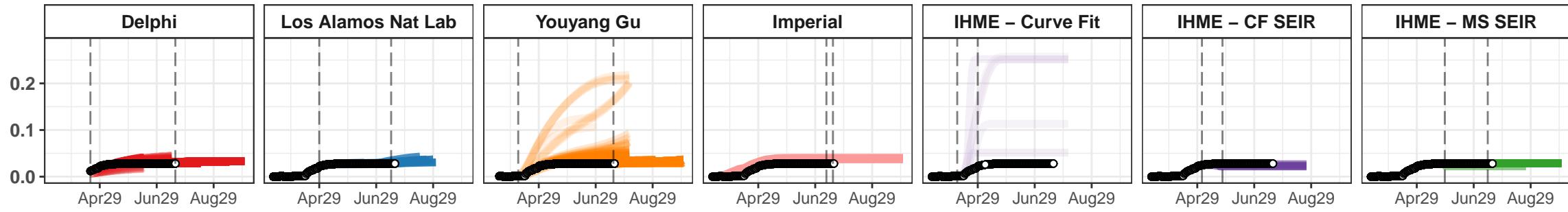
Delphi   Los Alamos Nat Lab   Youyang Gu   Imperial   IHME – MS SEIR



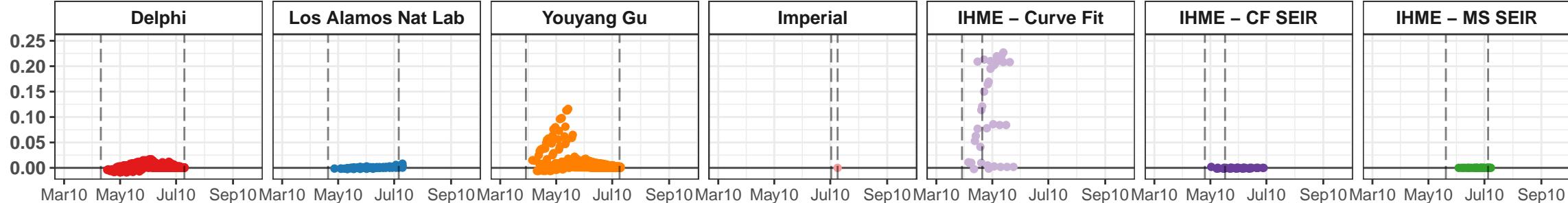
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

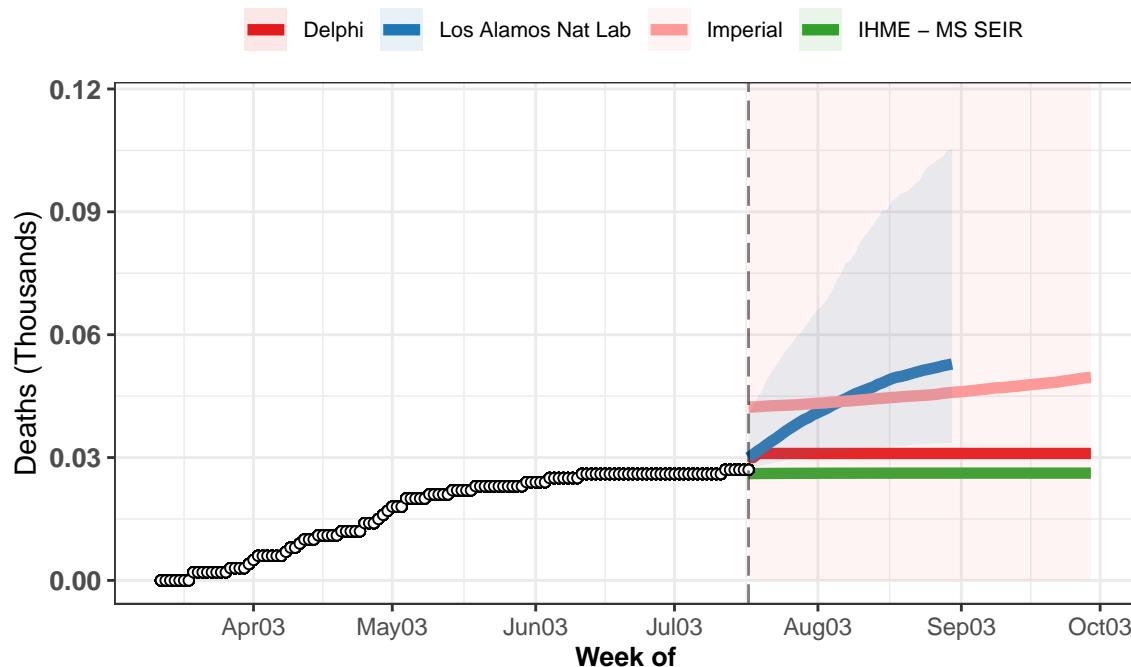


## All Cumulative Errors

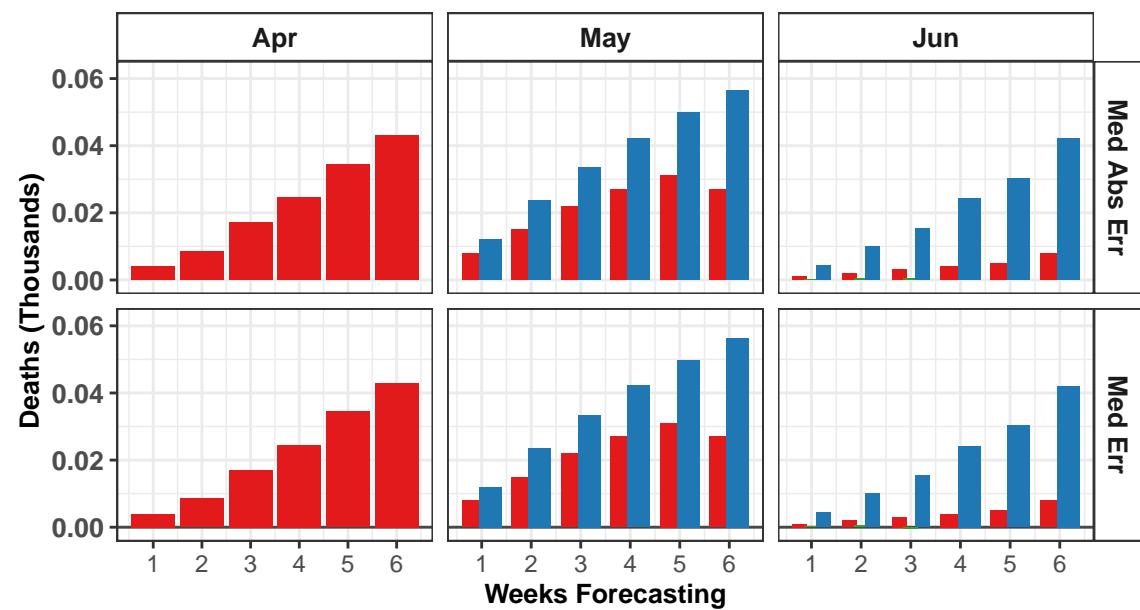


# Singapore

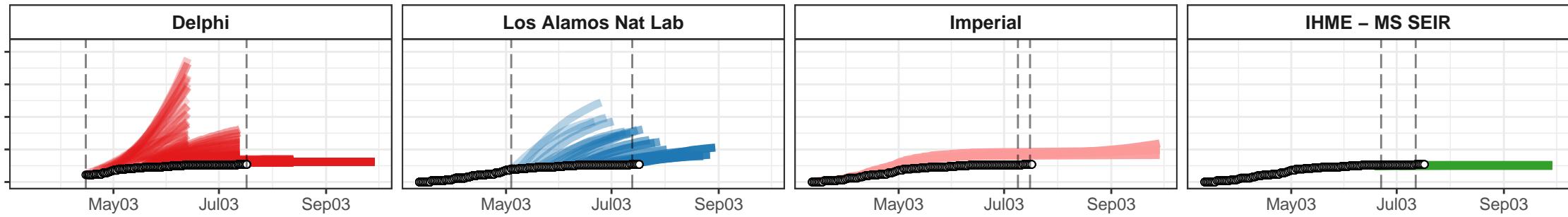
## Current Forecast



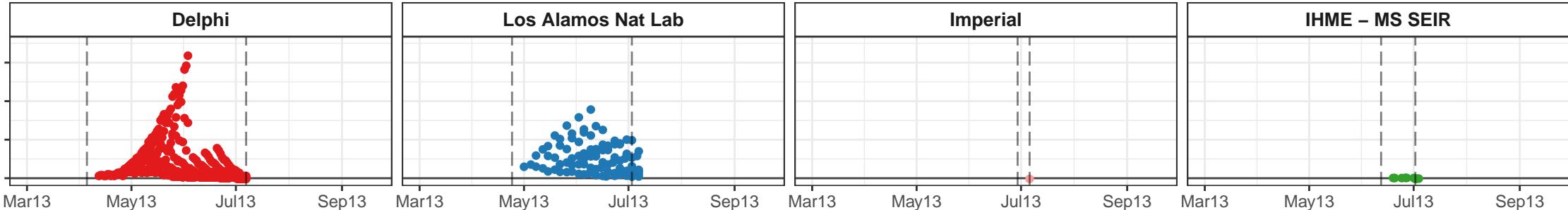
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

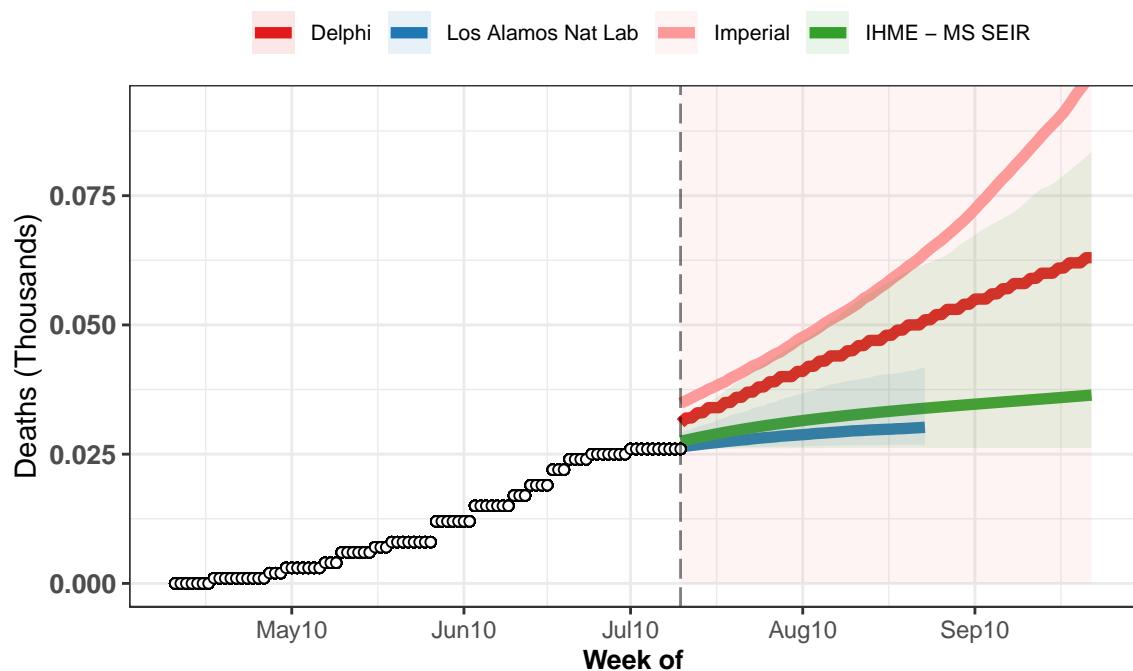


## All Cumulative Errors

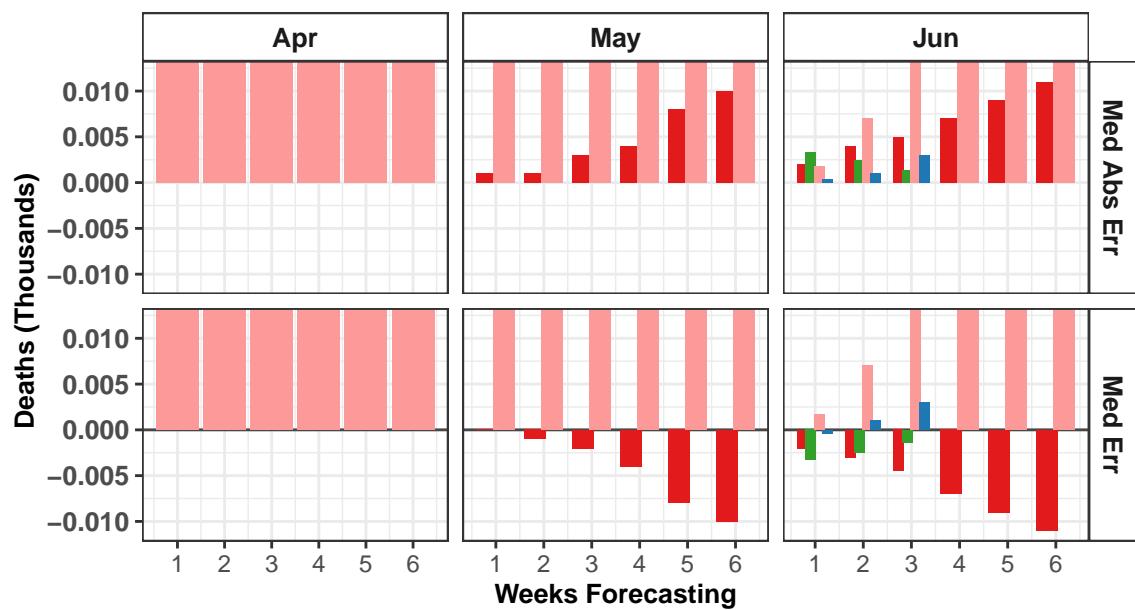


# Guinea-Bissau

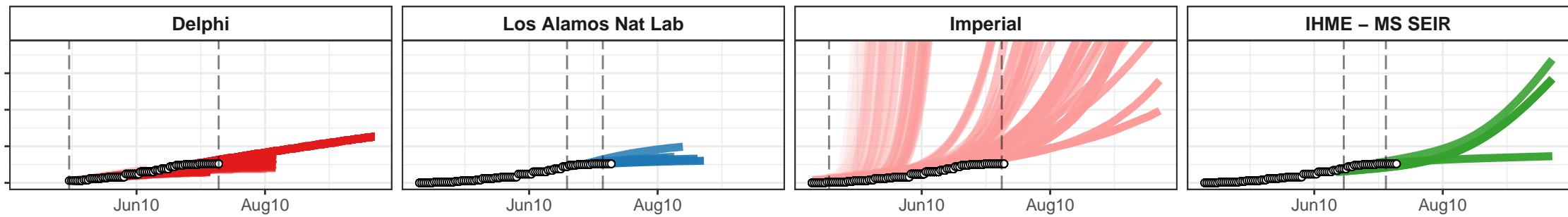
## Current Forecast



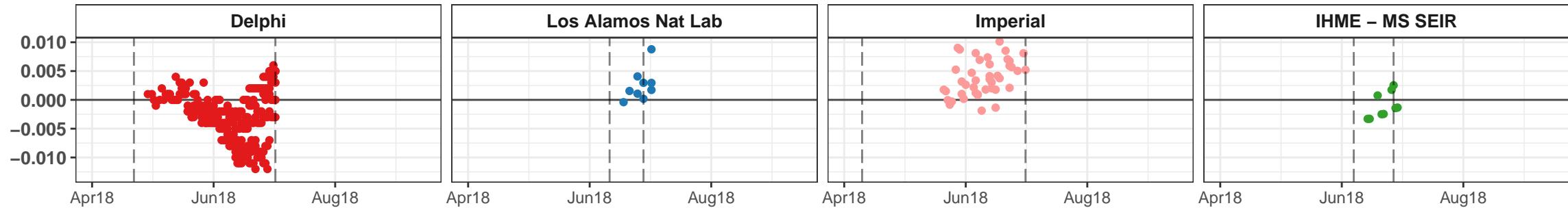
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



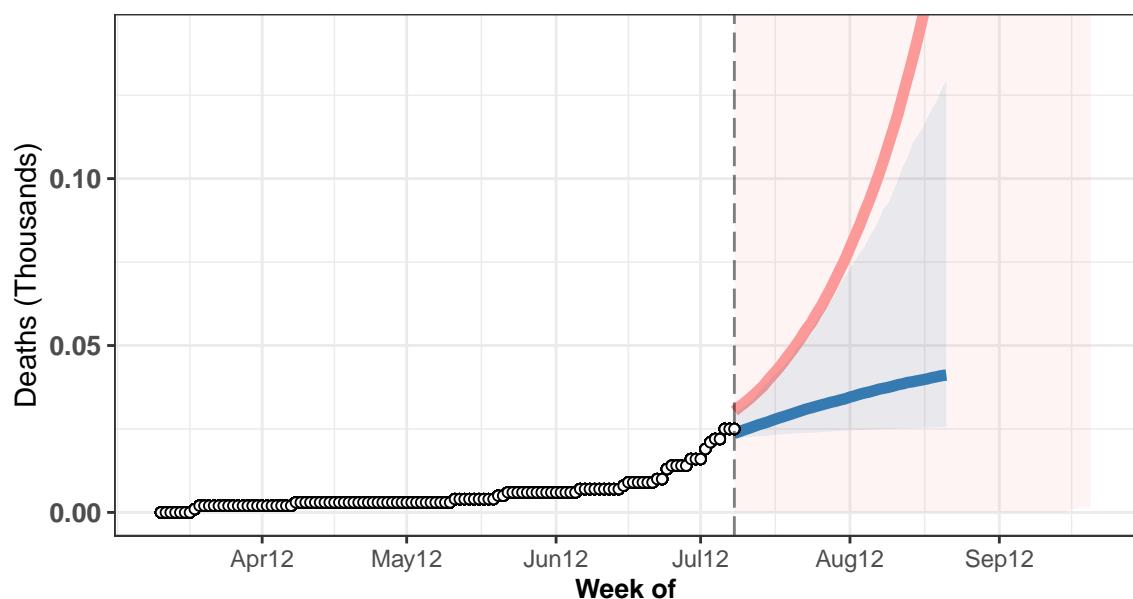
## All Cumulative Errors



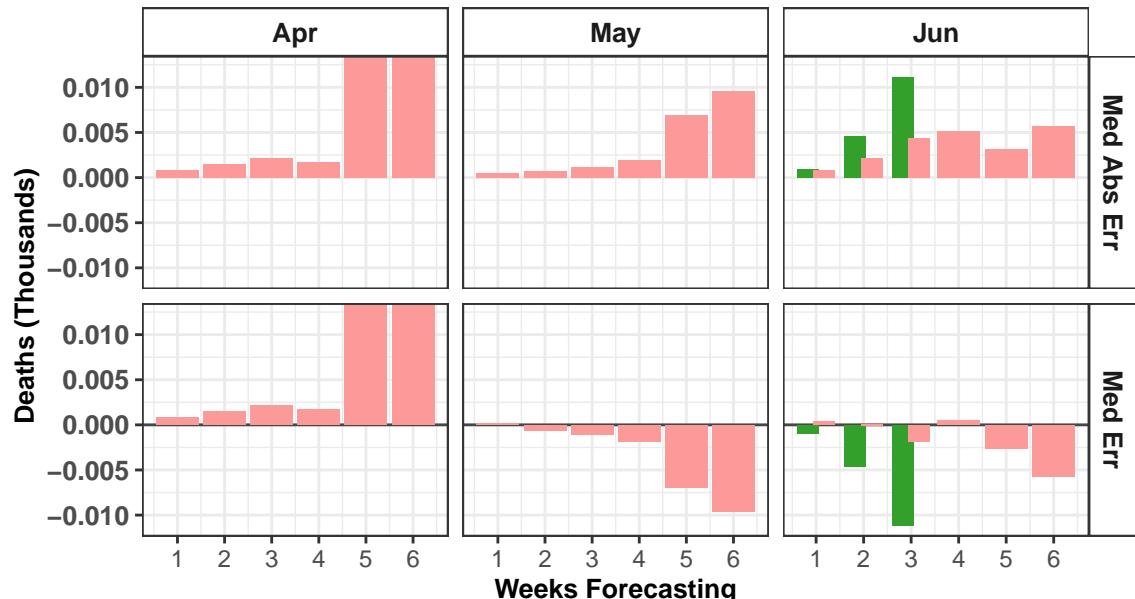
# Syria

## Current Forecast

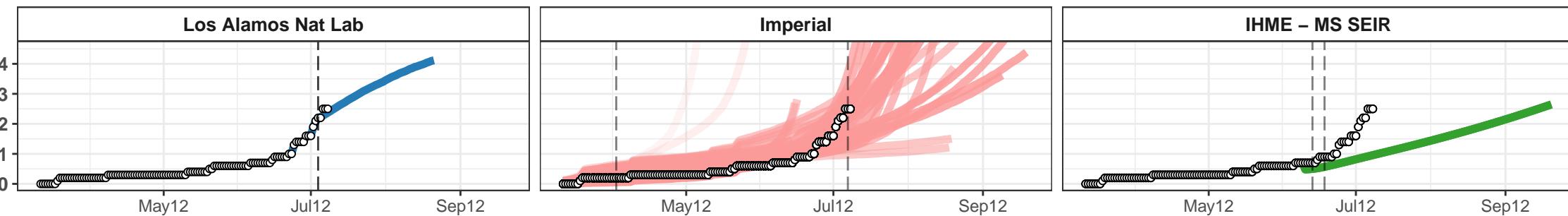
Los Alamos Nat Lab   Imperial



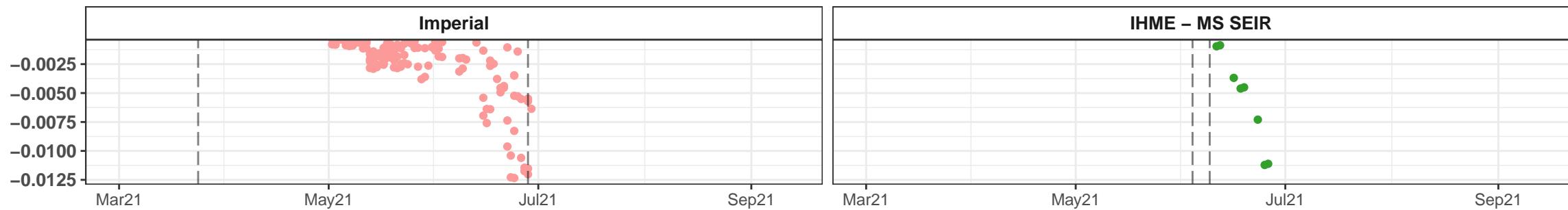
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



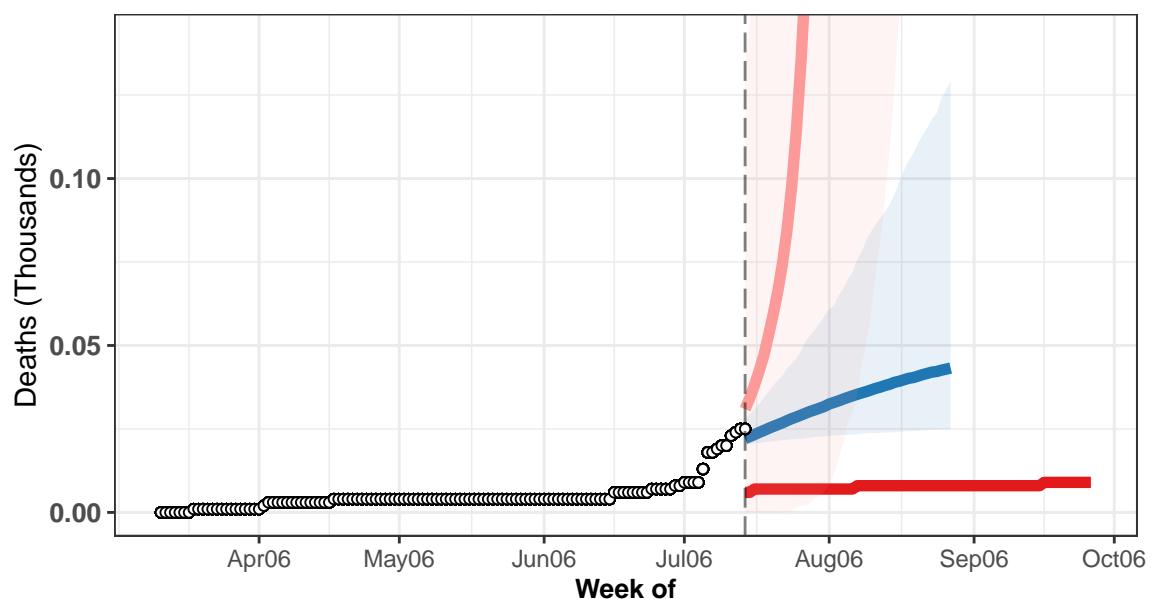
## All Cumulative Errors



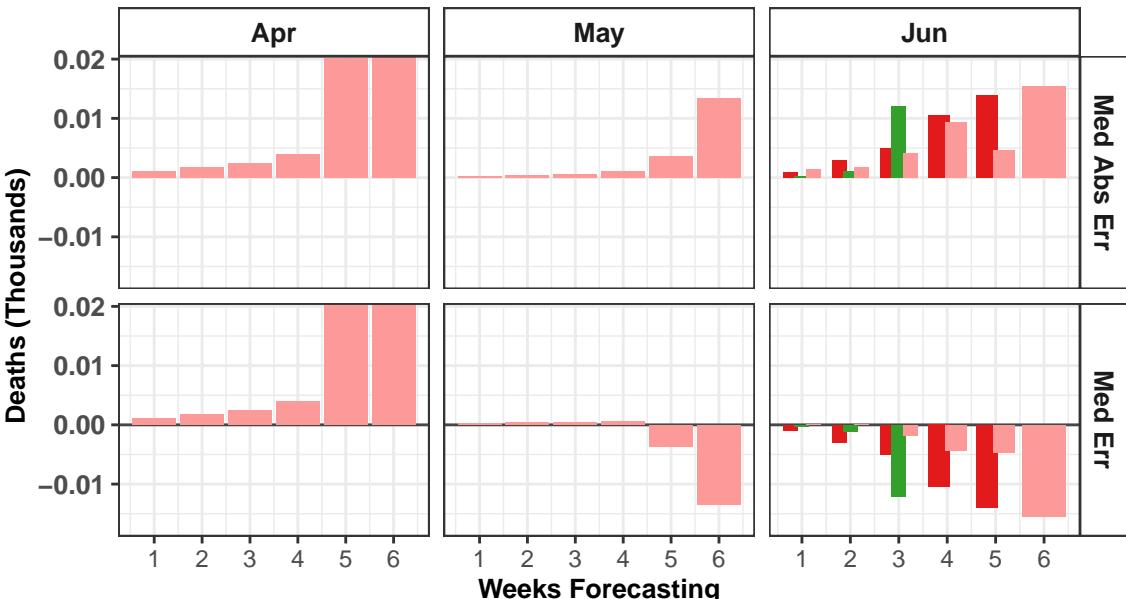
# Zimbabwe

## Current Forecast

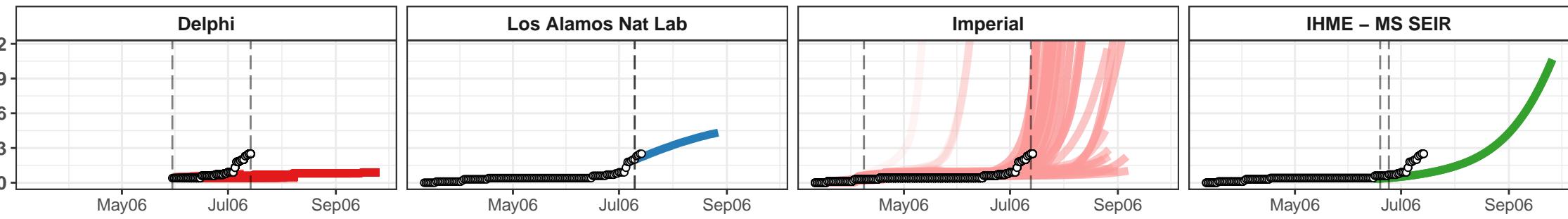
Delphi   Los Alamos Nat Lab   Imperial



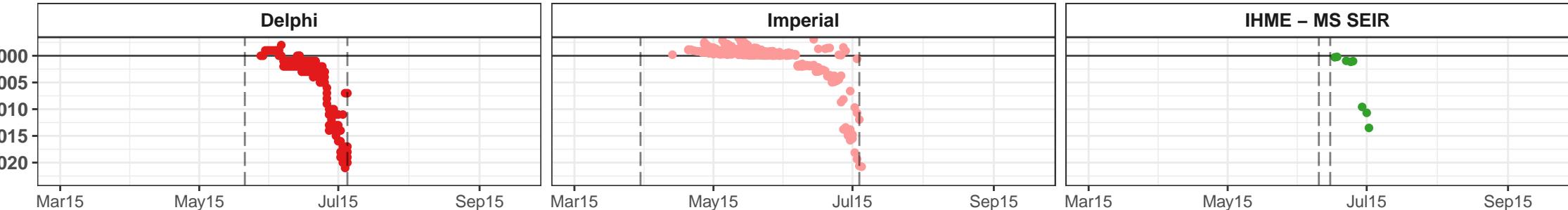
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



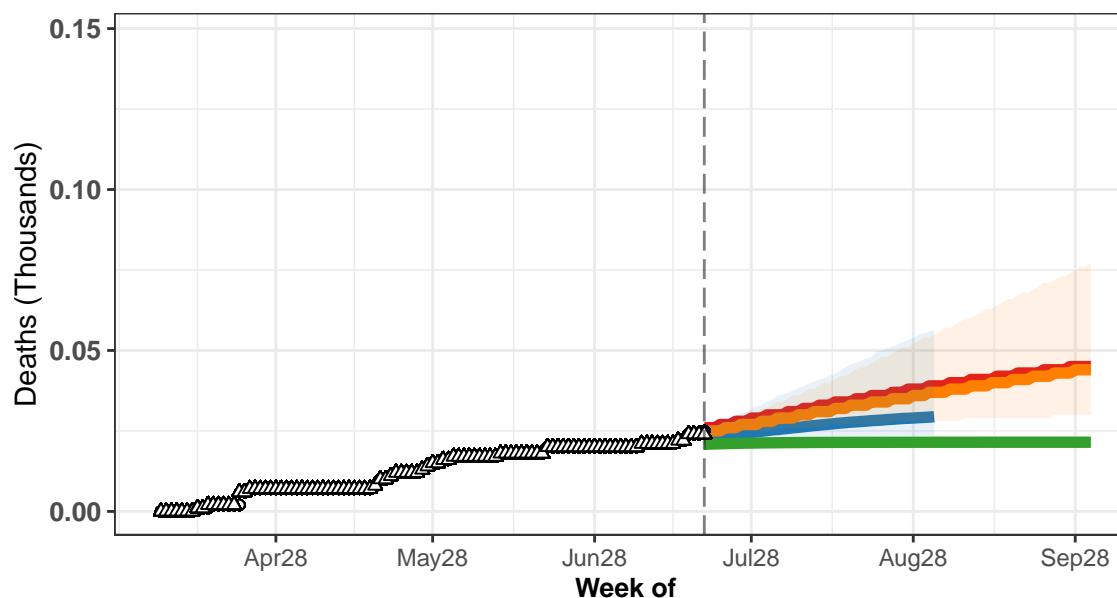
## All Cumulative Errors



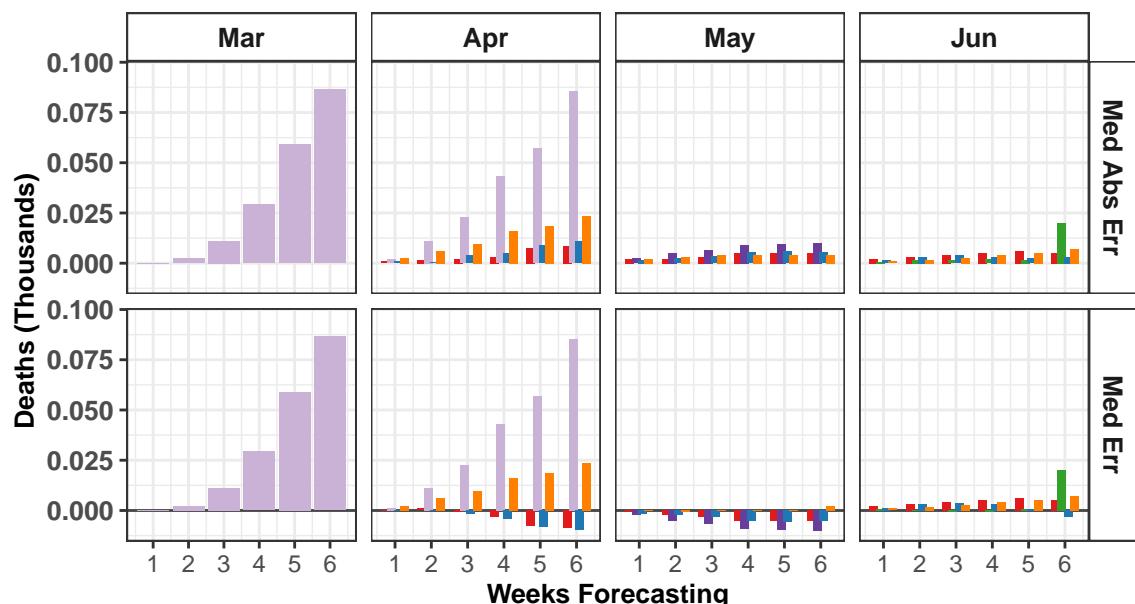
# Wyoming

## Current Forecast

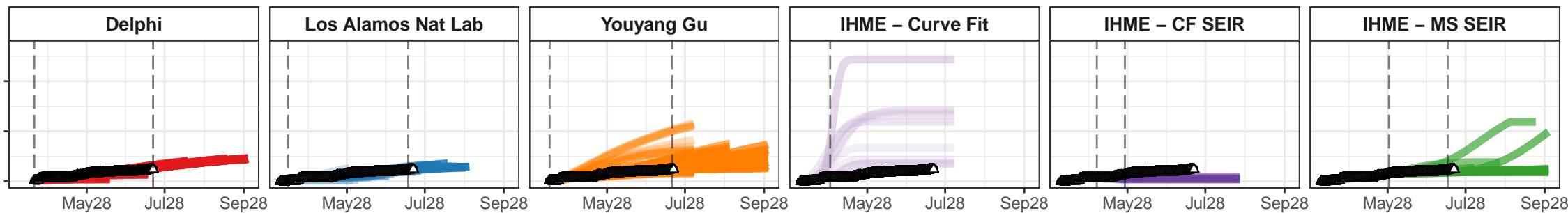
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NY



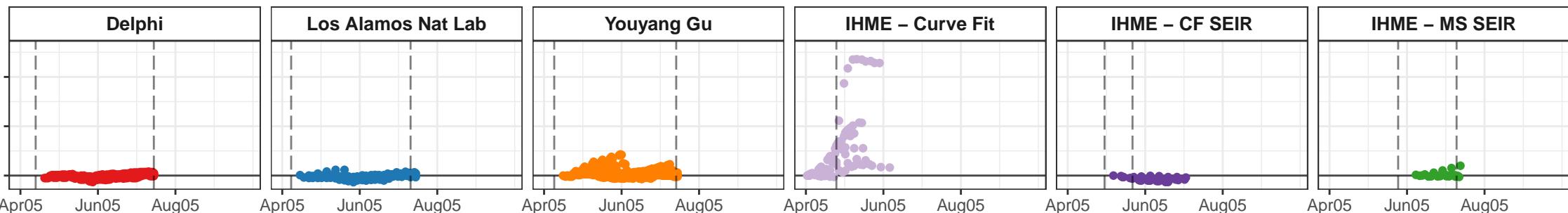
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



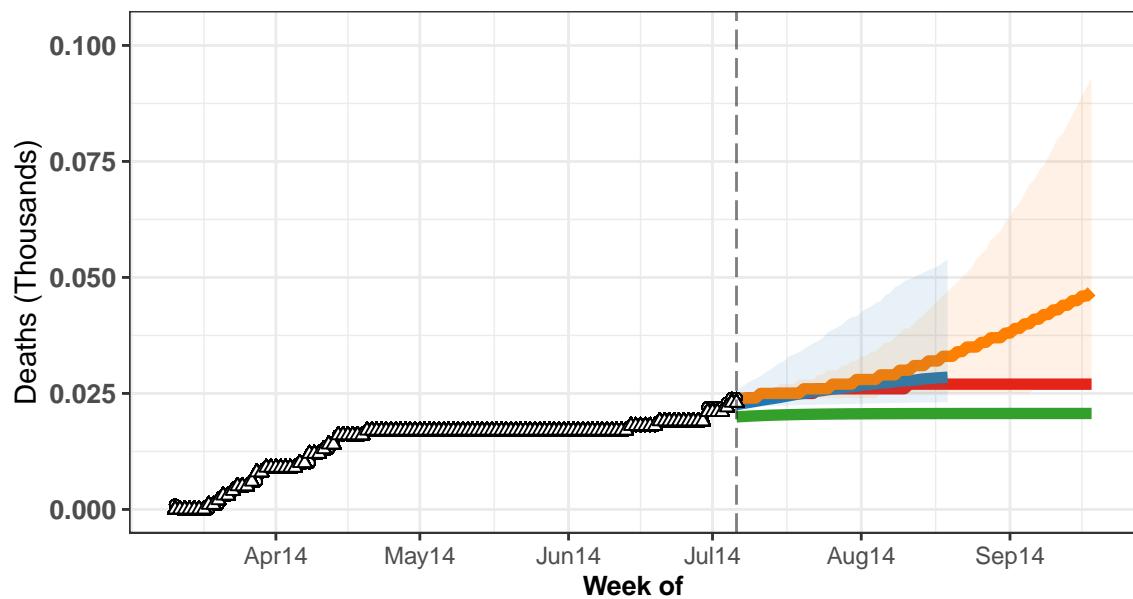
## All Cumulative Errors



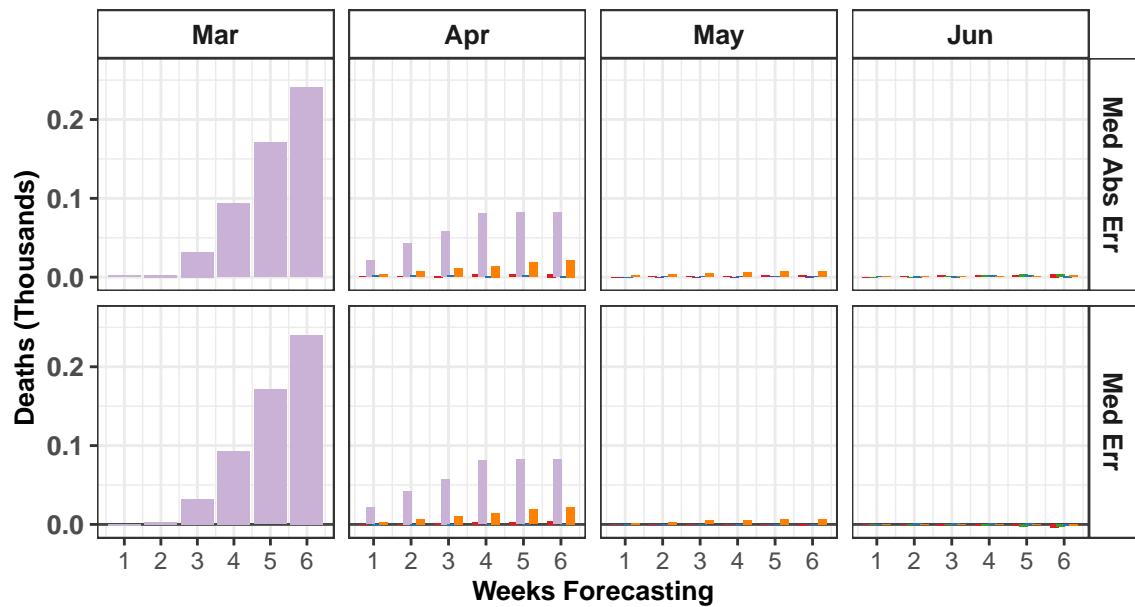
# Hawaii

## Current Forecast

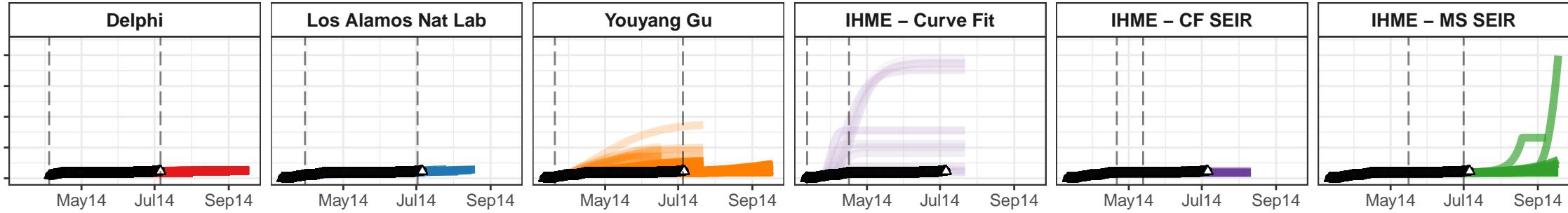
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NY



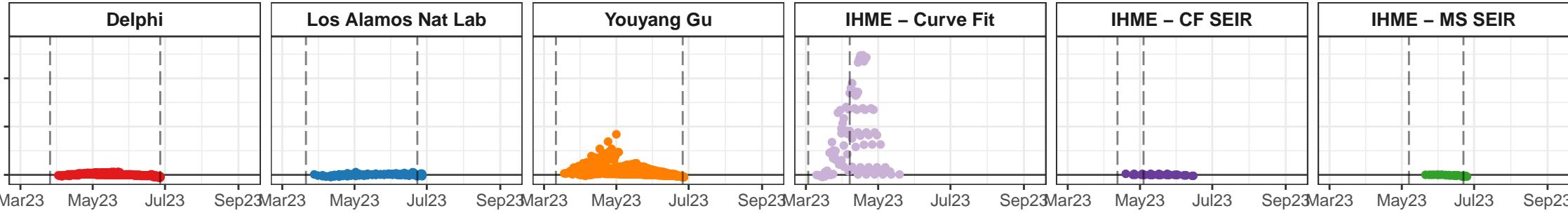
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



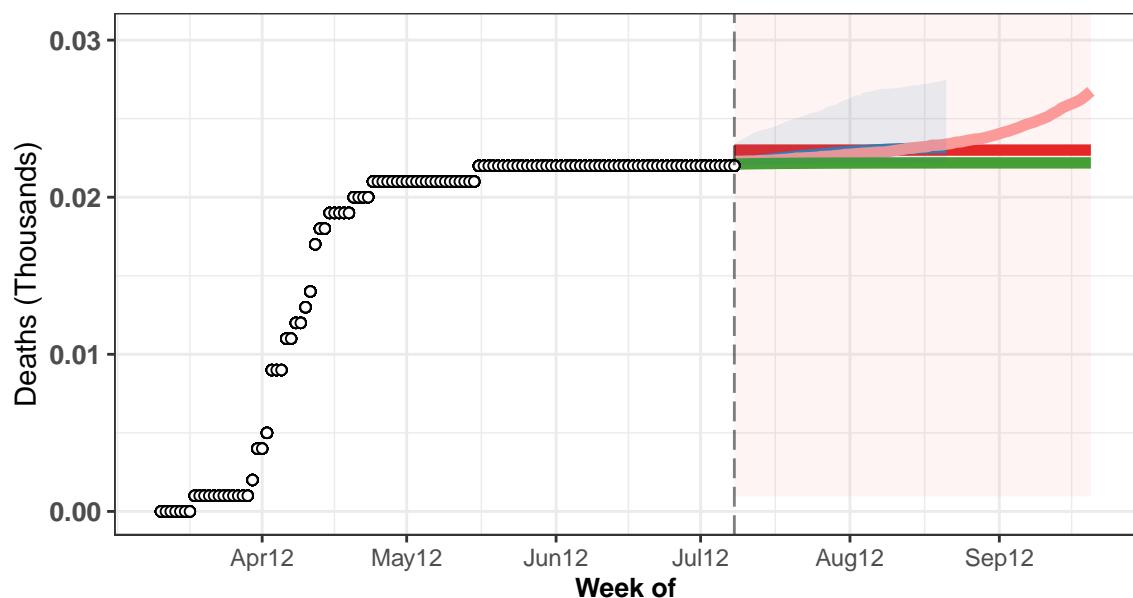
## All Cumulative Errors



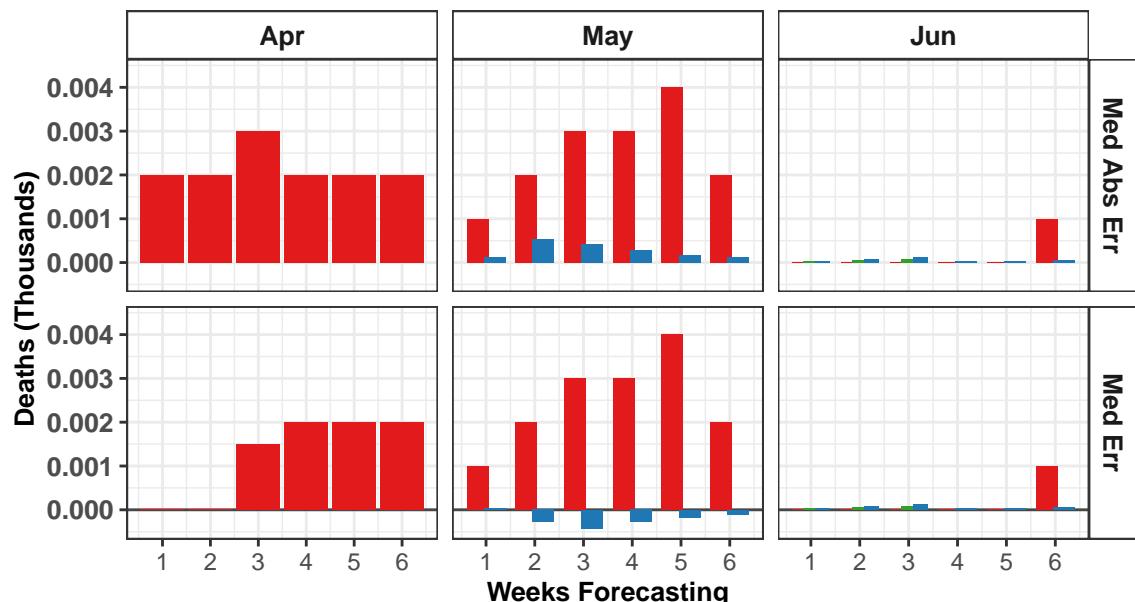
# New Zealand

## Current Forecast

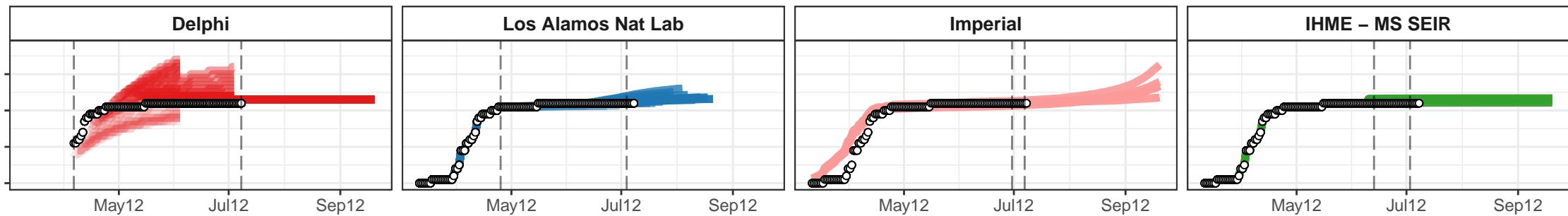
Delphi   Los Alamos Nat Lab   Imperial   IHME – MS SEIR



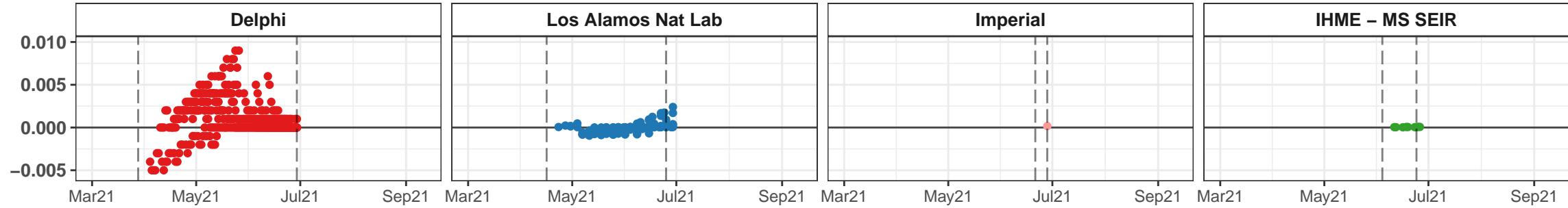
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



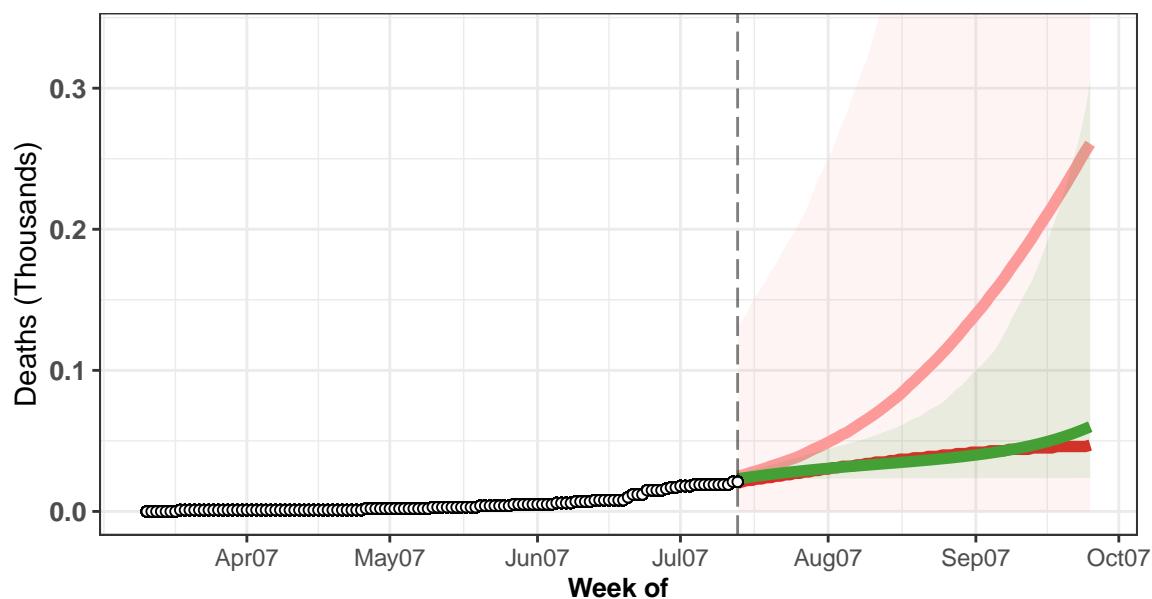
## All Cumulative Errors



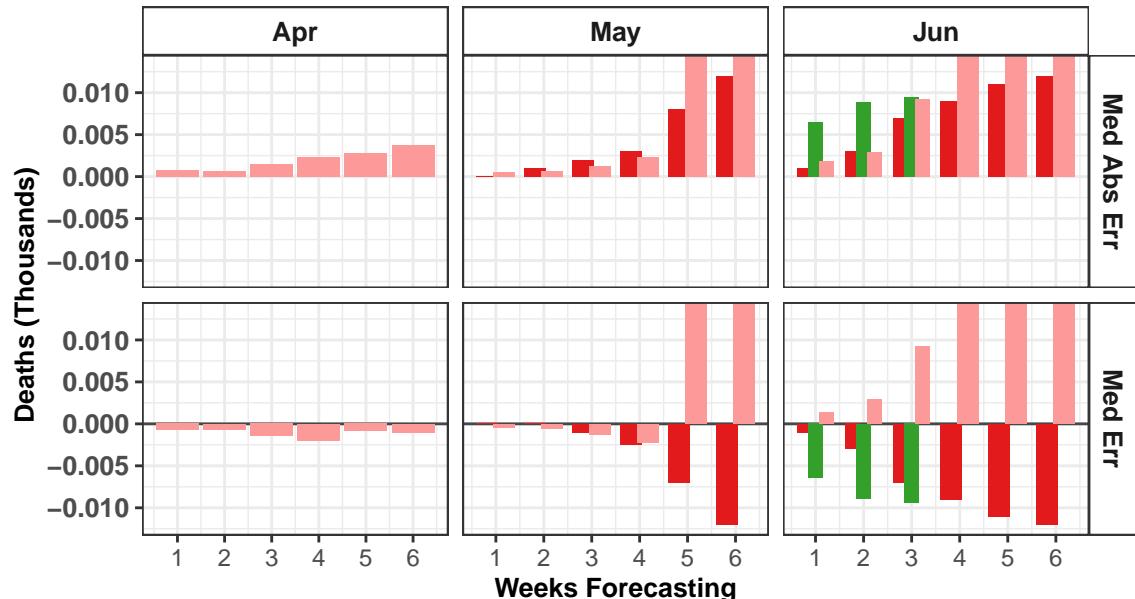
# Cape Verde

## Current Forecast

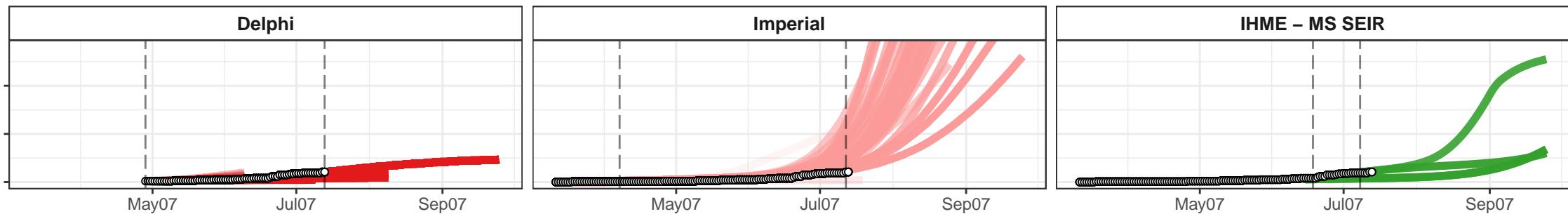
Delphi   Imperial   IHME – MS SEIR



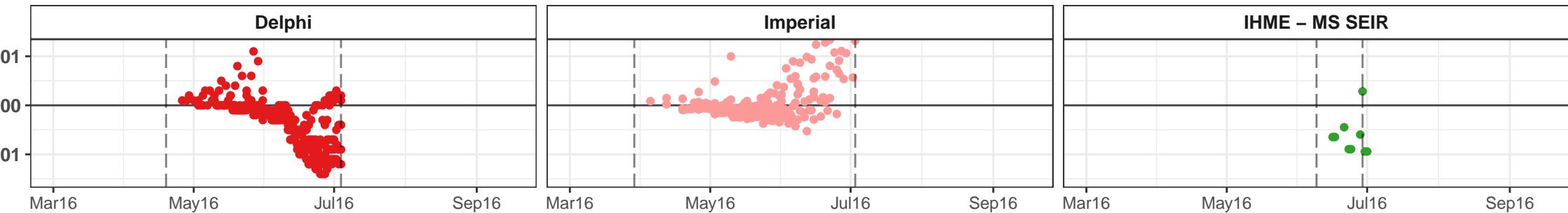
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



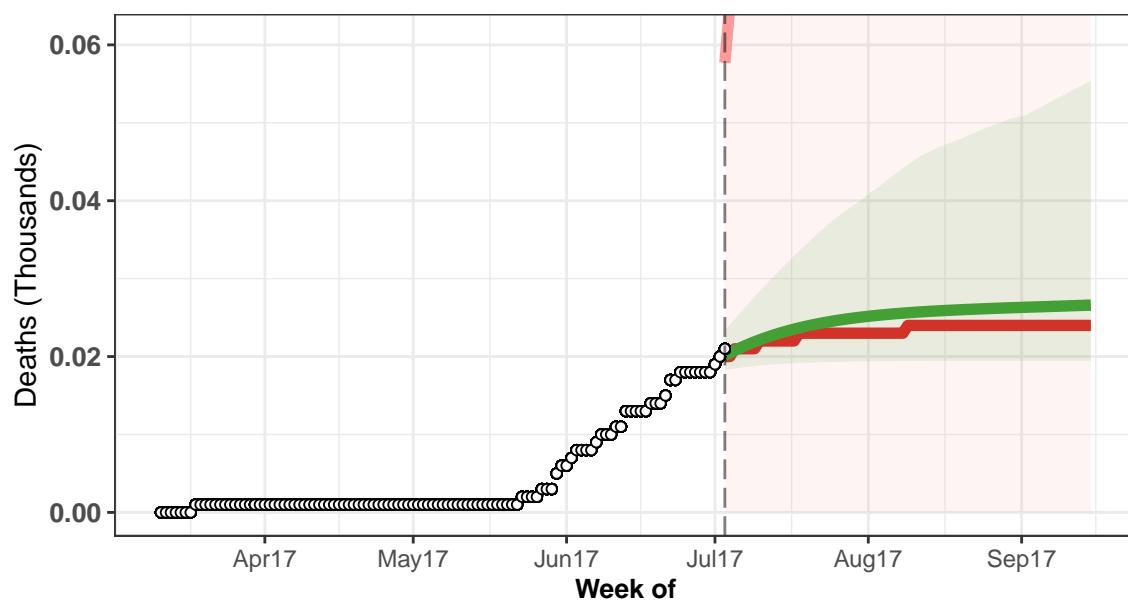
## All Cumulative Errors



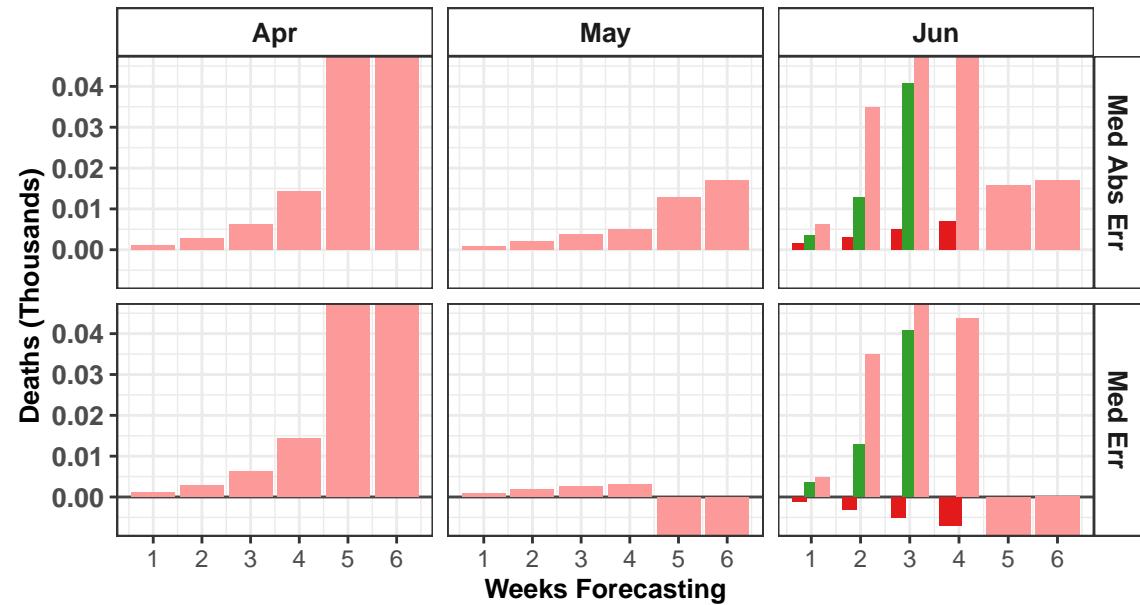
# Suriname

## Current Forecast

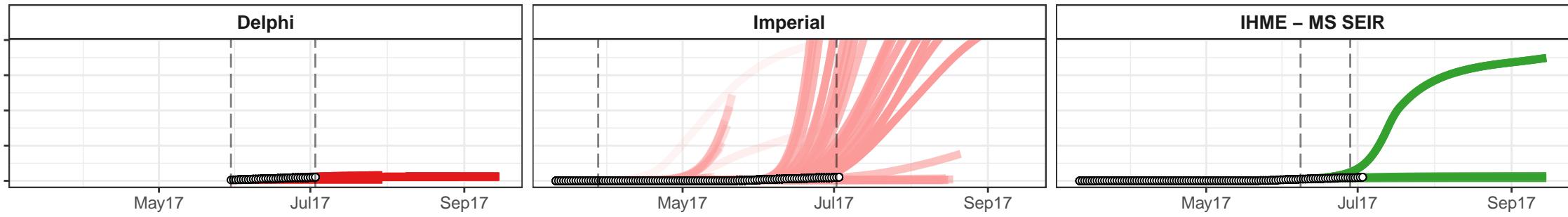
Delphi   Imperial   IHME – MS SEIR



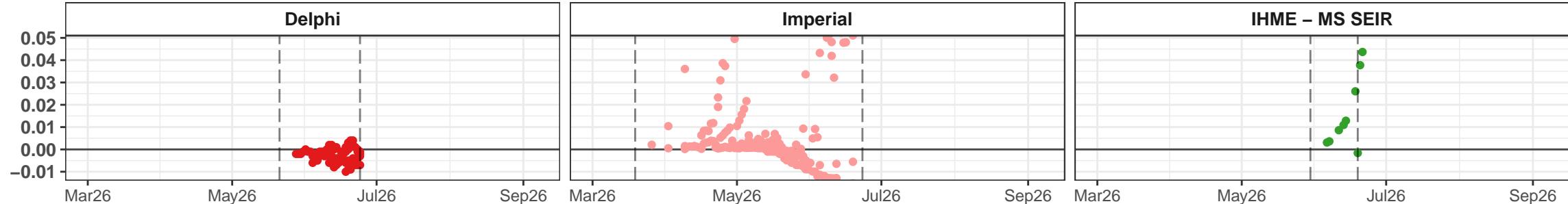
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

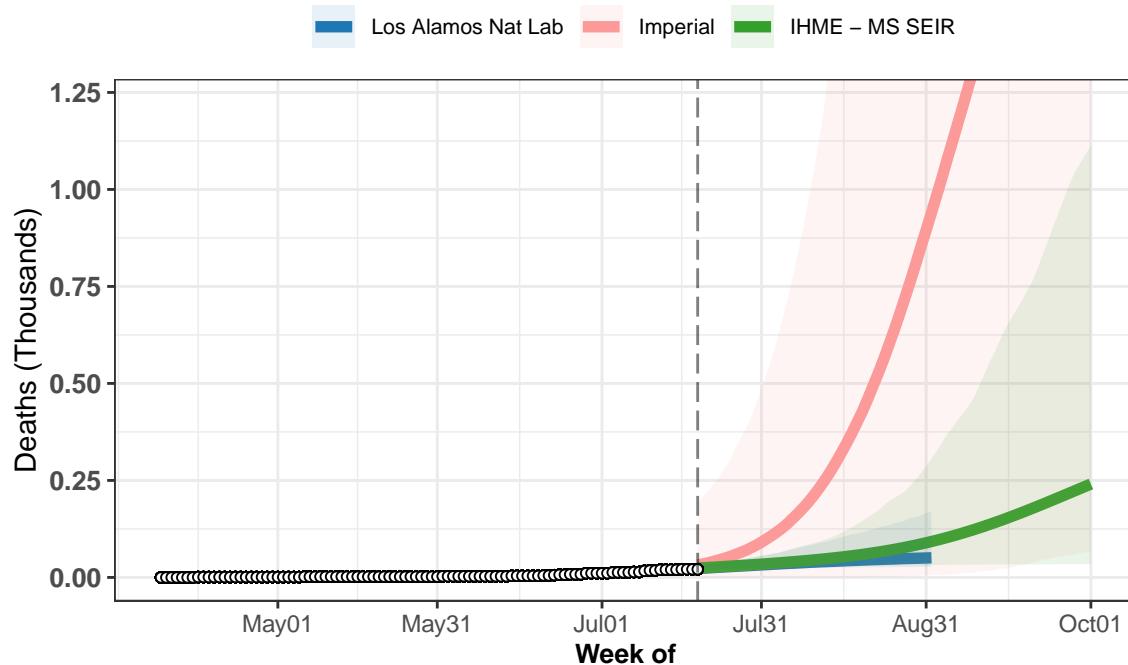


## All Cumulative Errors

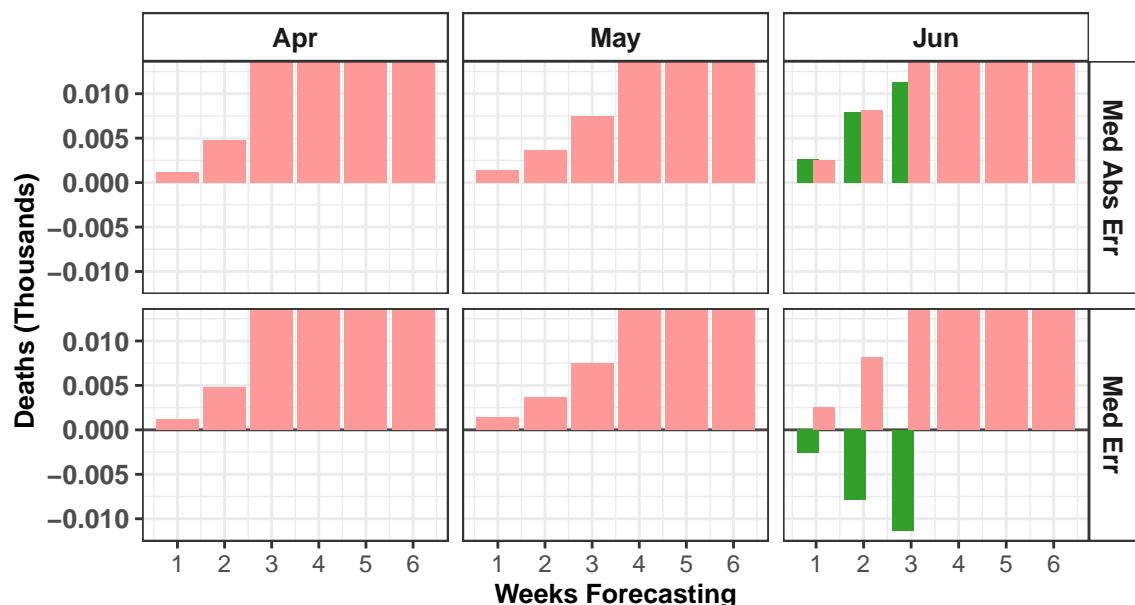


# Swaziland

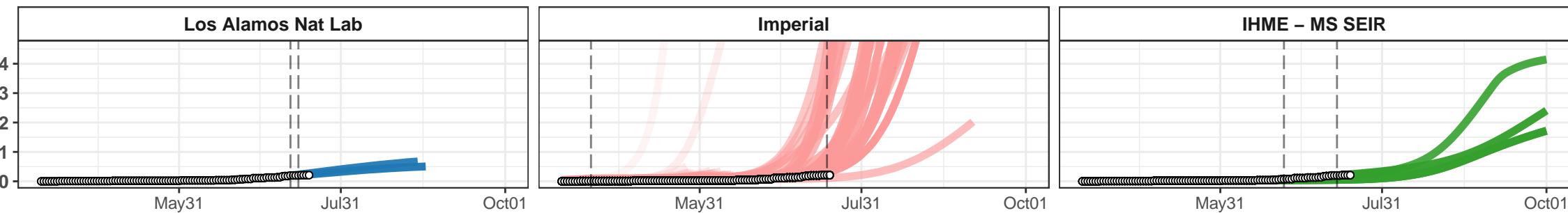
## Current Forecast



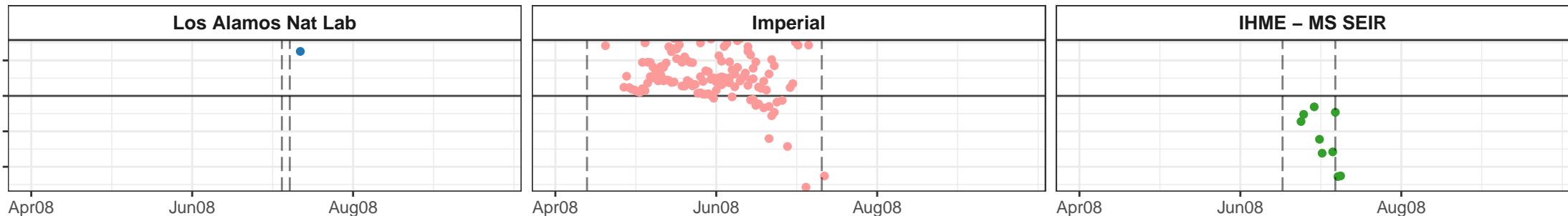
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

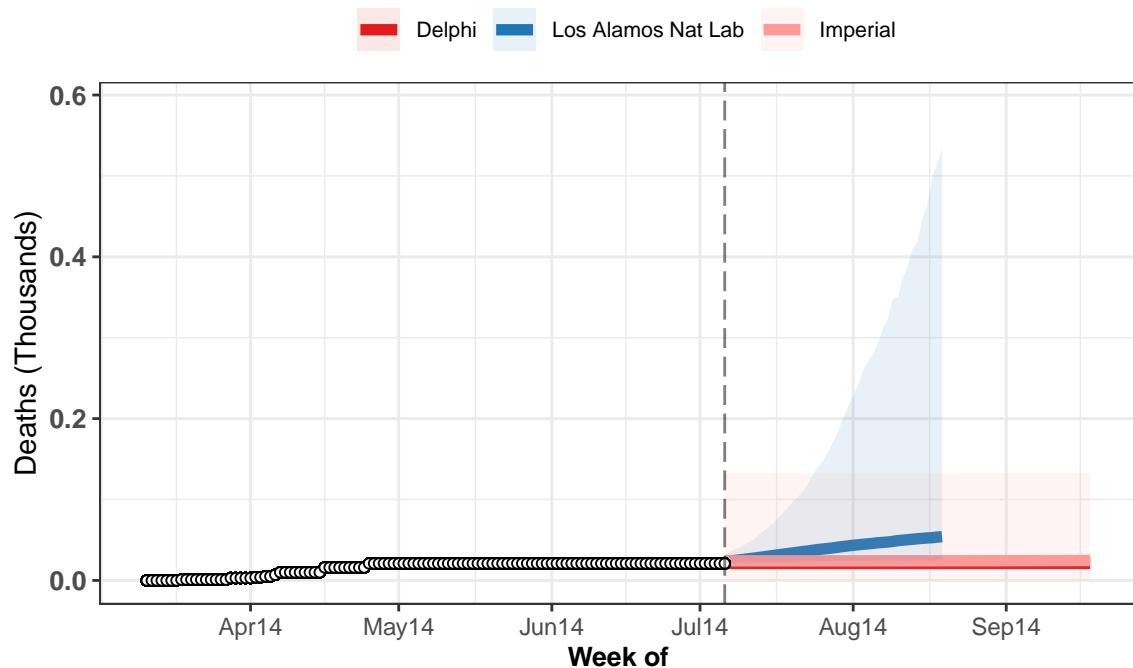


## All Cumulative Errors

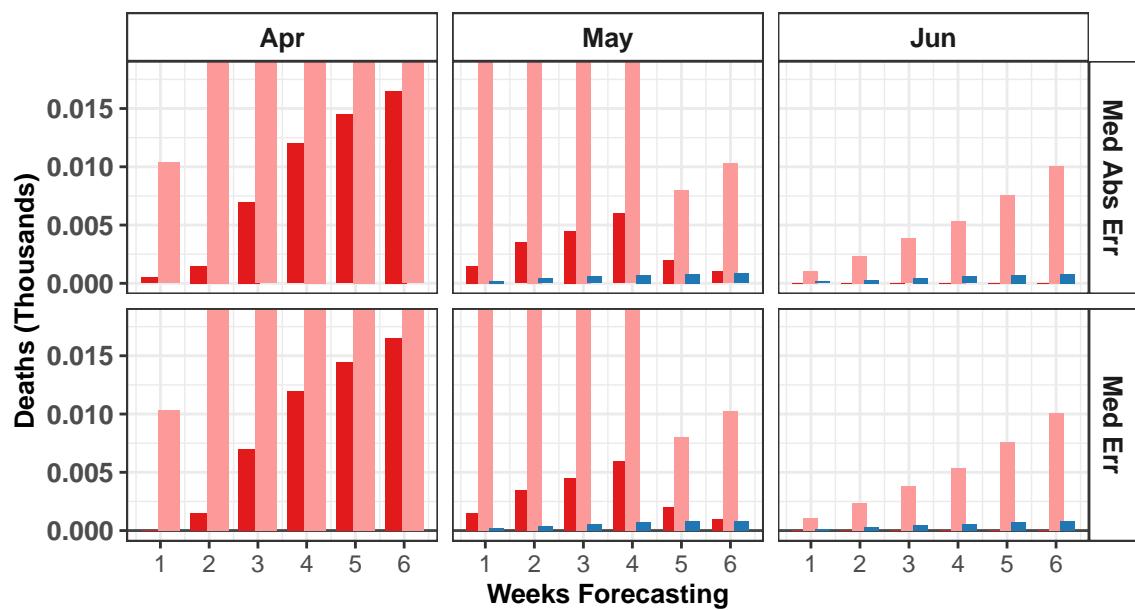


# Tanzania

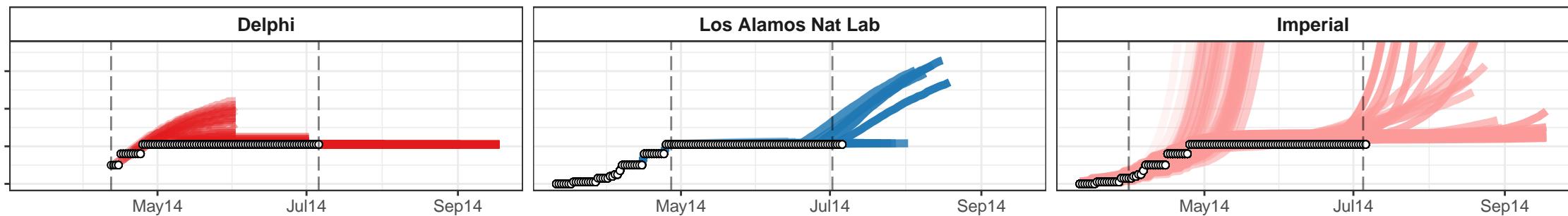
## Current Forecast



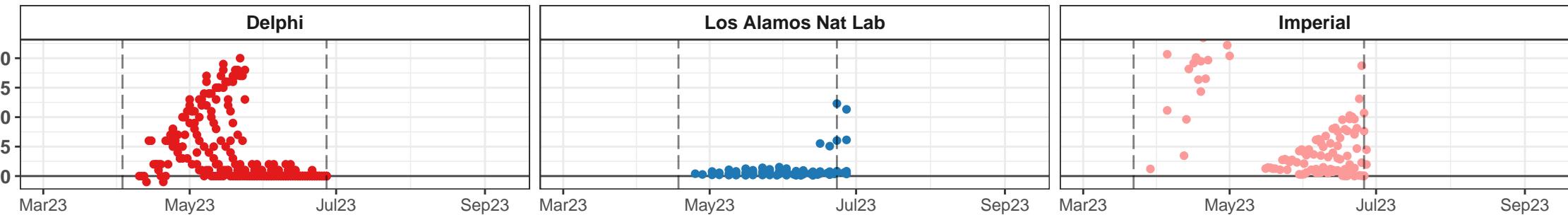
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



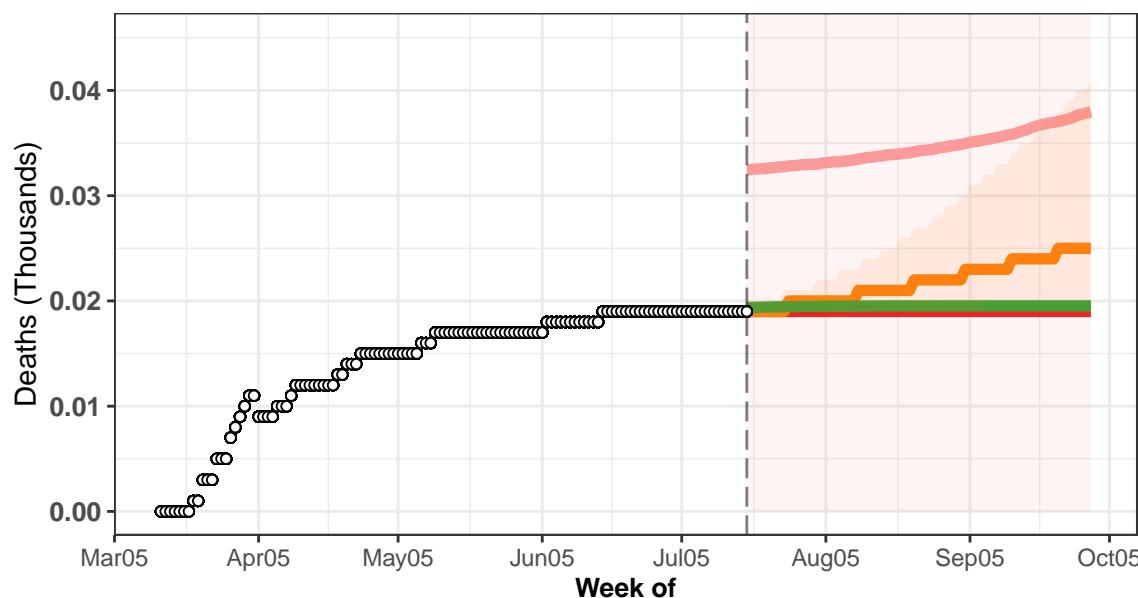
## All Cumulative Errors



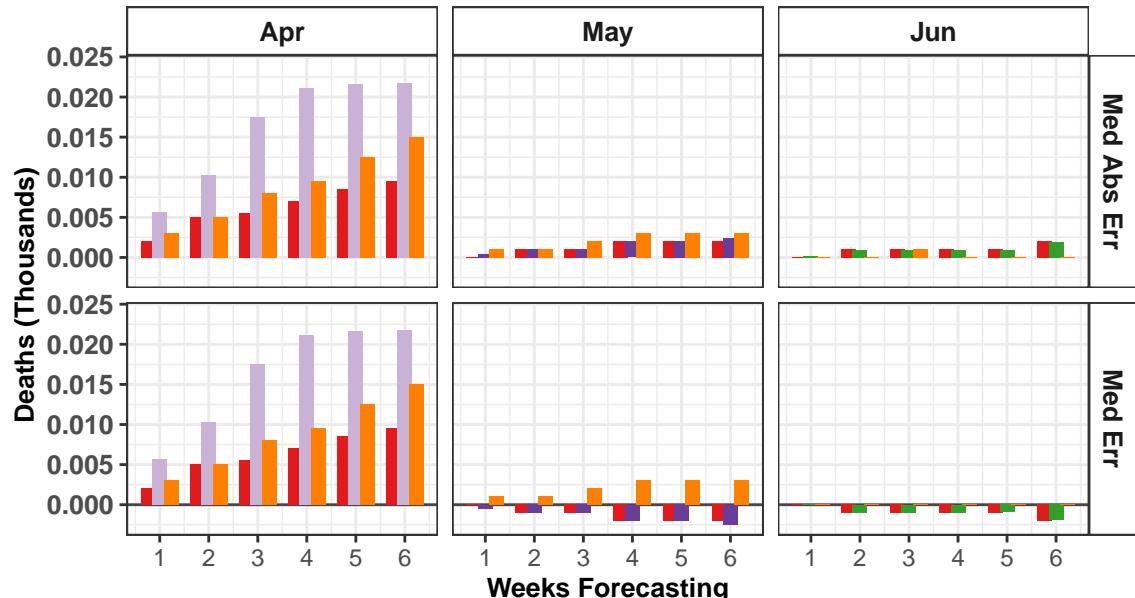
# Cyprus

## Current Forecast

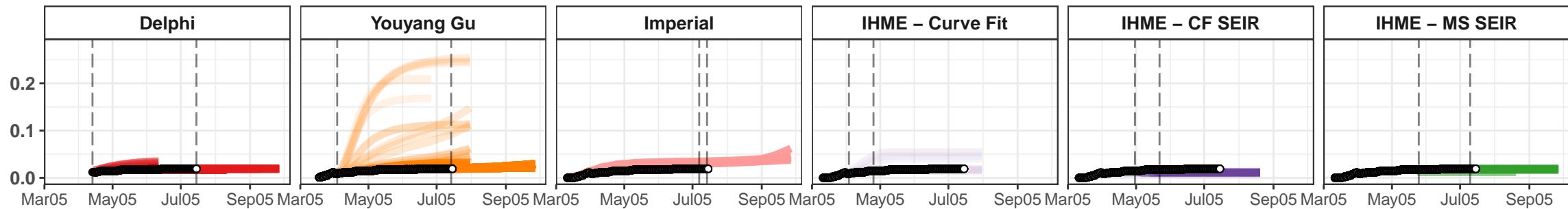
Delphi Youyang Gu Imperial IHME – MS SEIR



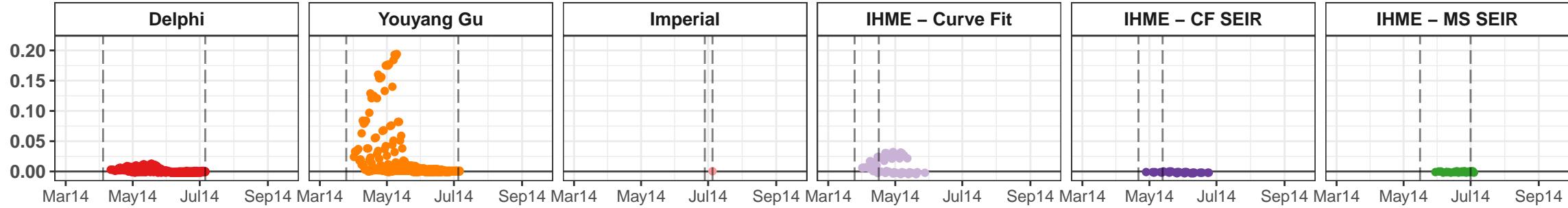
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

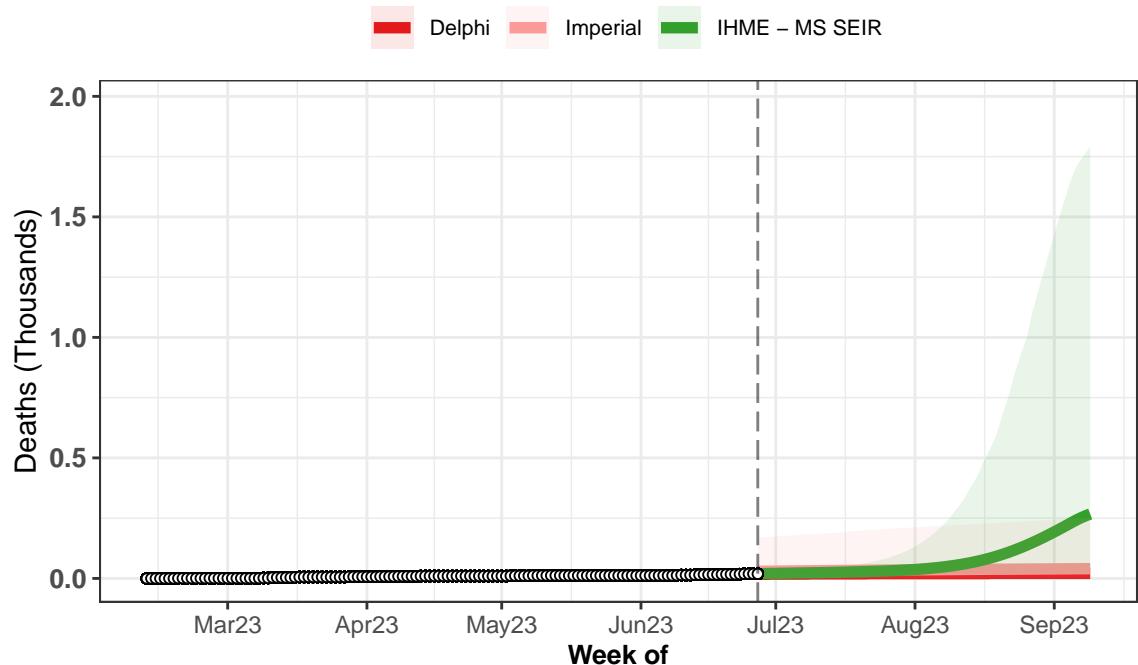


## All Cumulative Errors

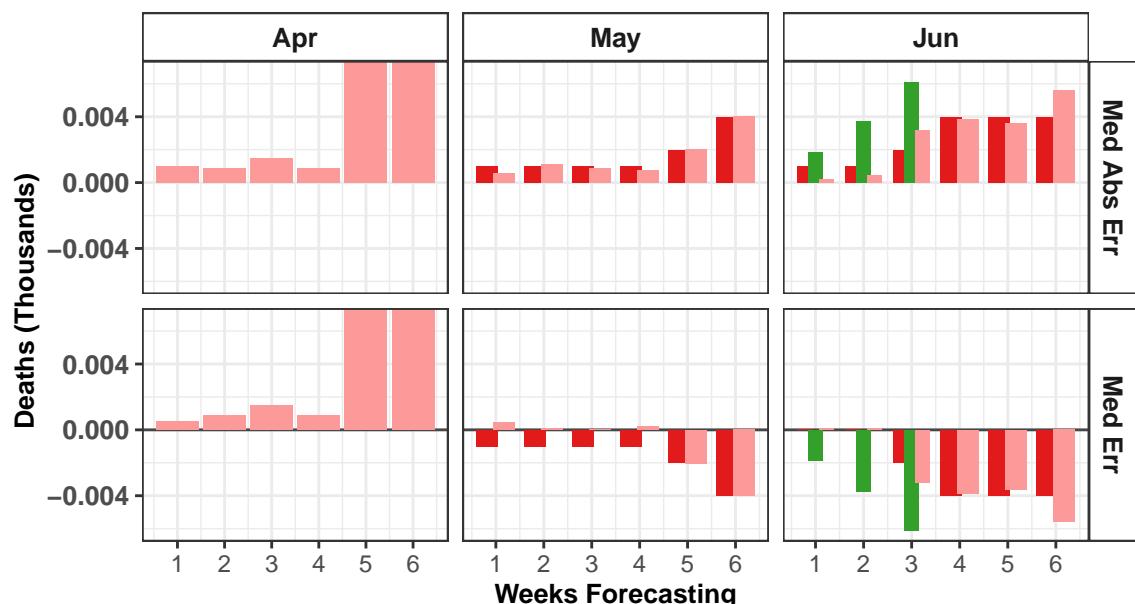


# Guyana

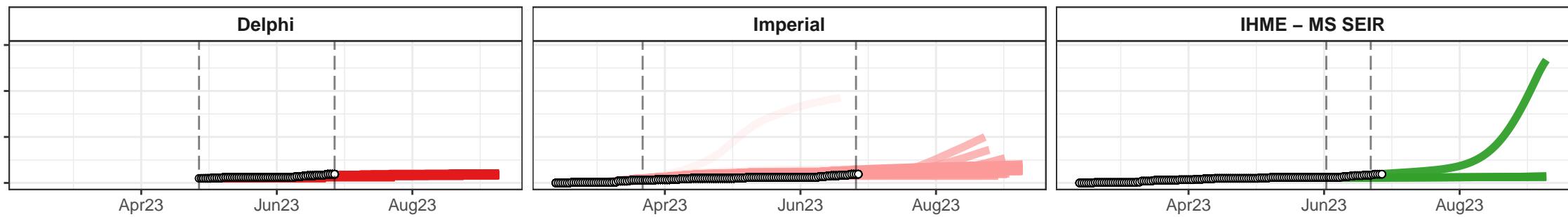
## Current Forecast



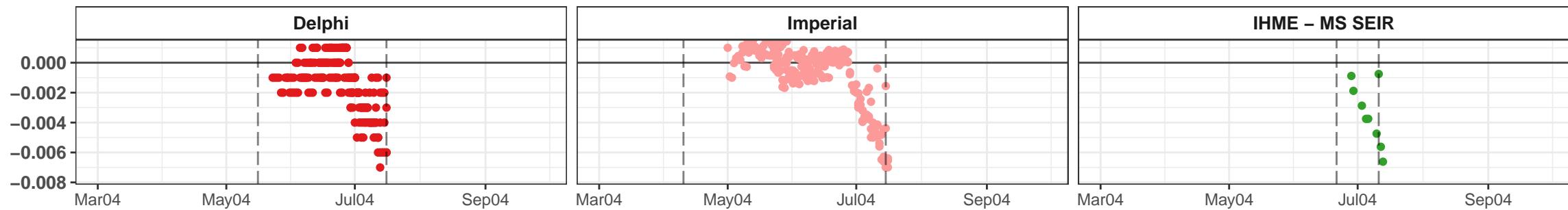
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



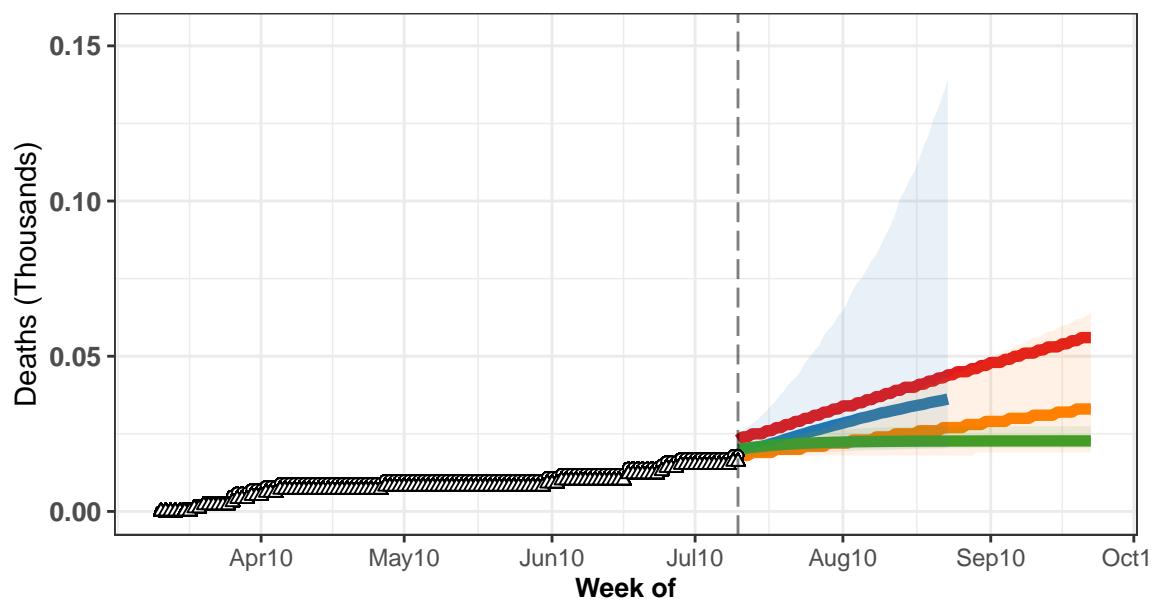
## All Cumulative Errors



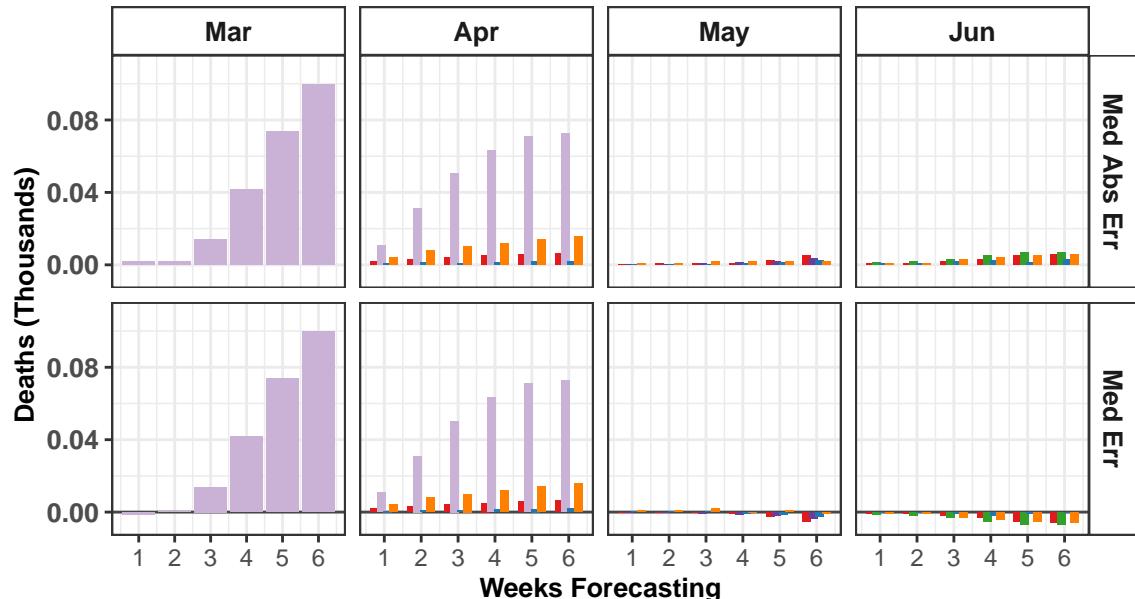
# Alaska

## Current Forecast

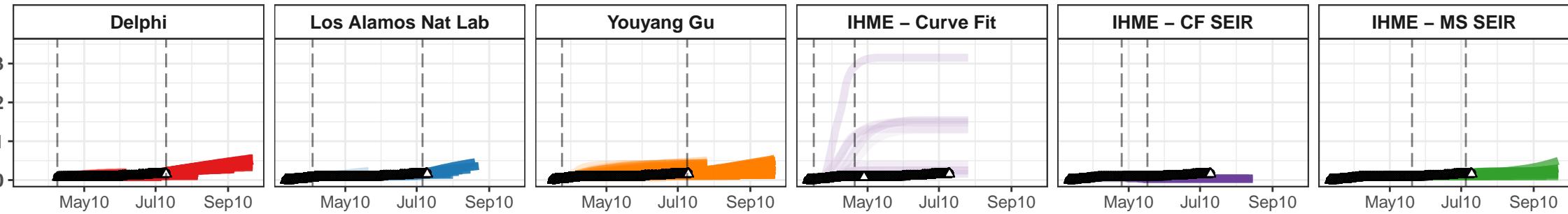
Delphi   Los Alamos Nat Lab   Youyang Gu   IHME – MS SEIR   JHU   NY



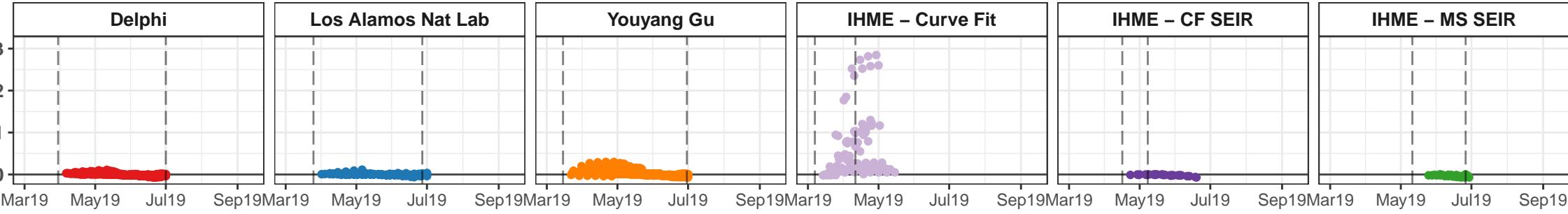
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

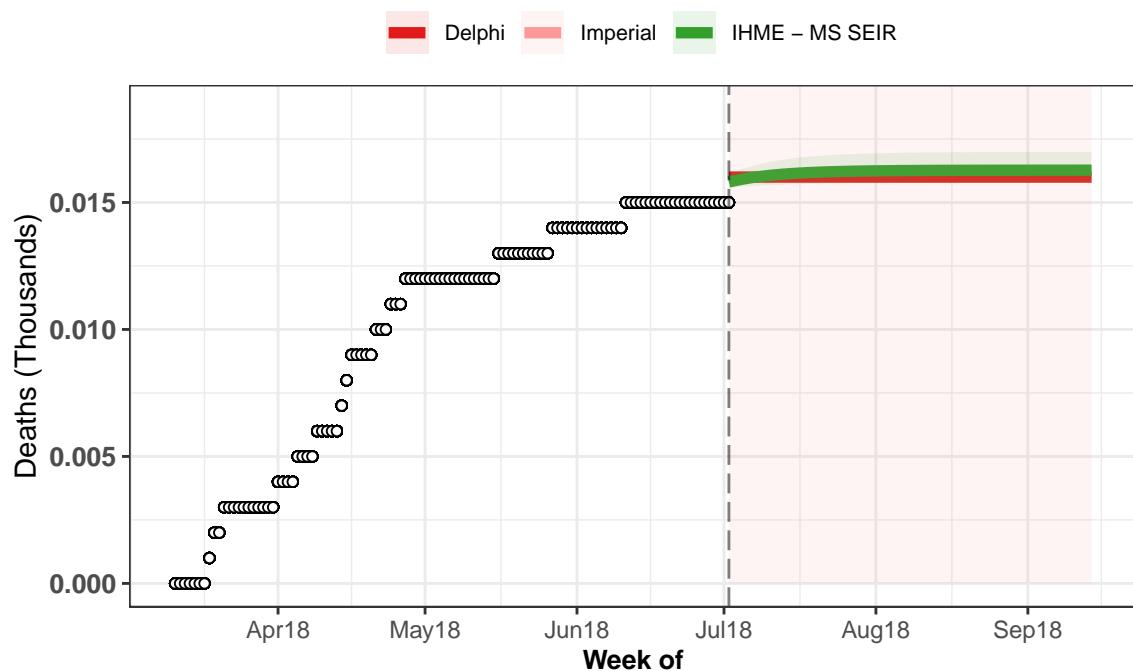


## All Cumulative Errors

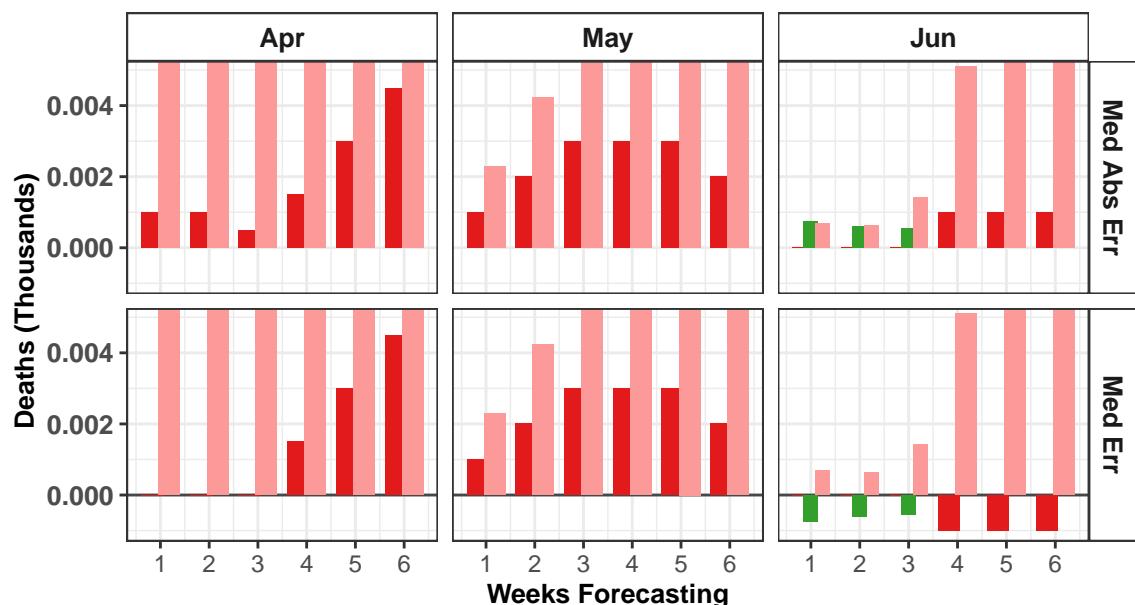


# Georgia (Country)

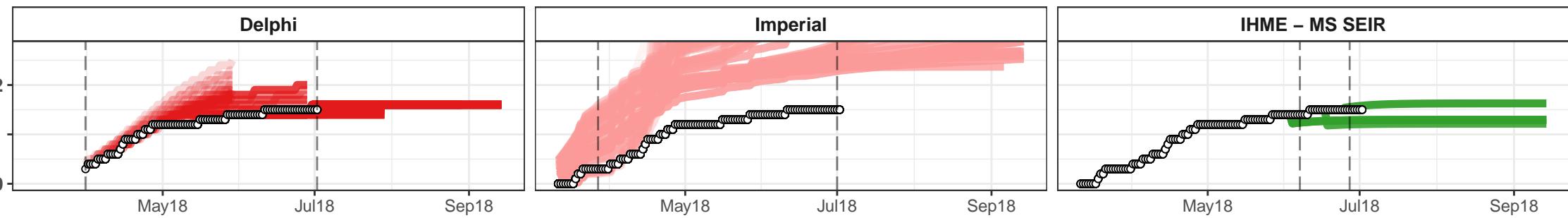
## Current Forecast



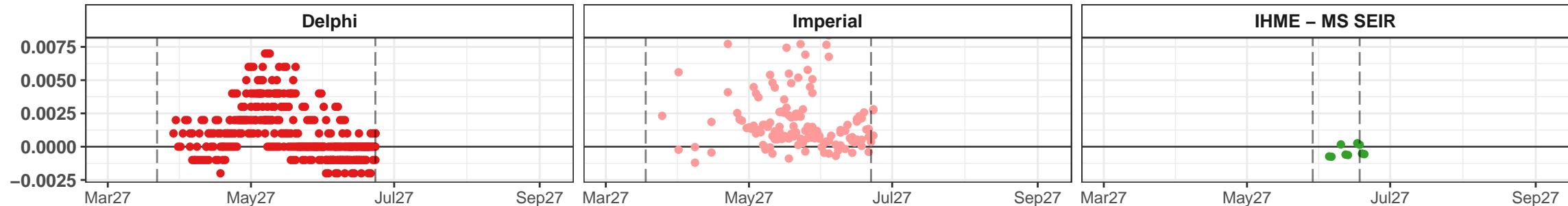
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

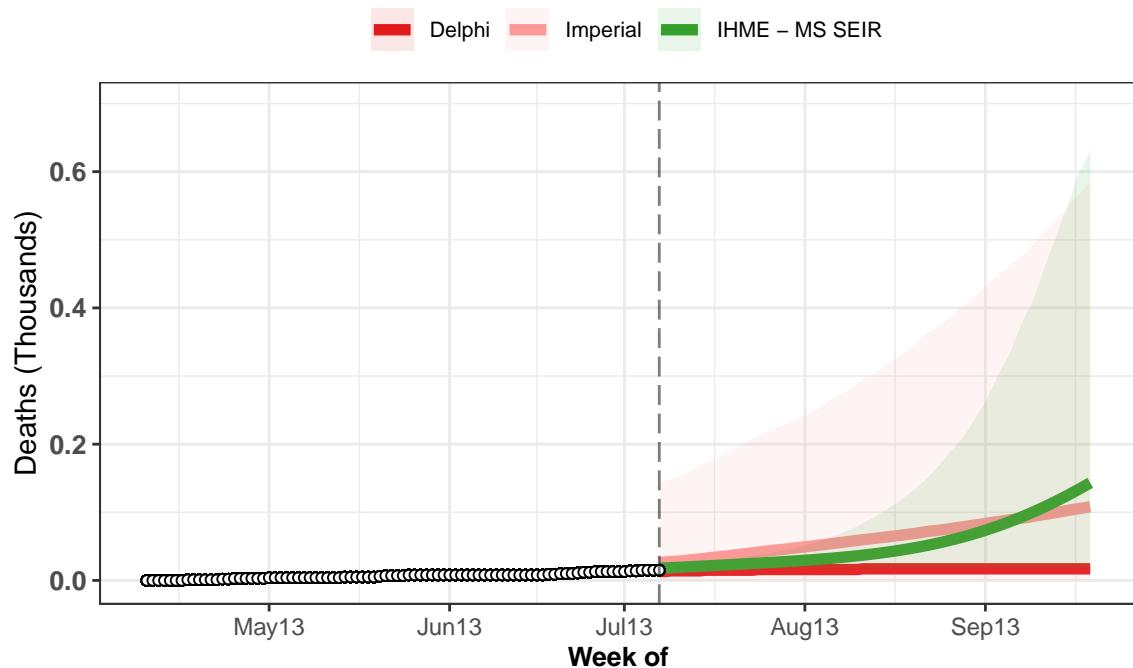


## All Cumulative Errors

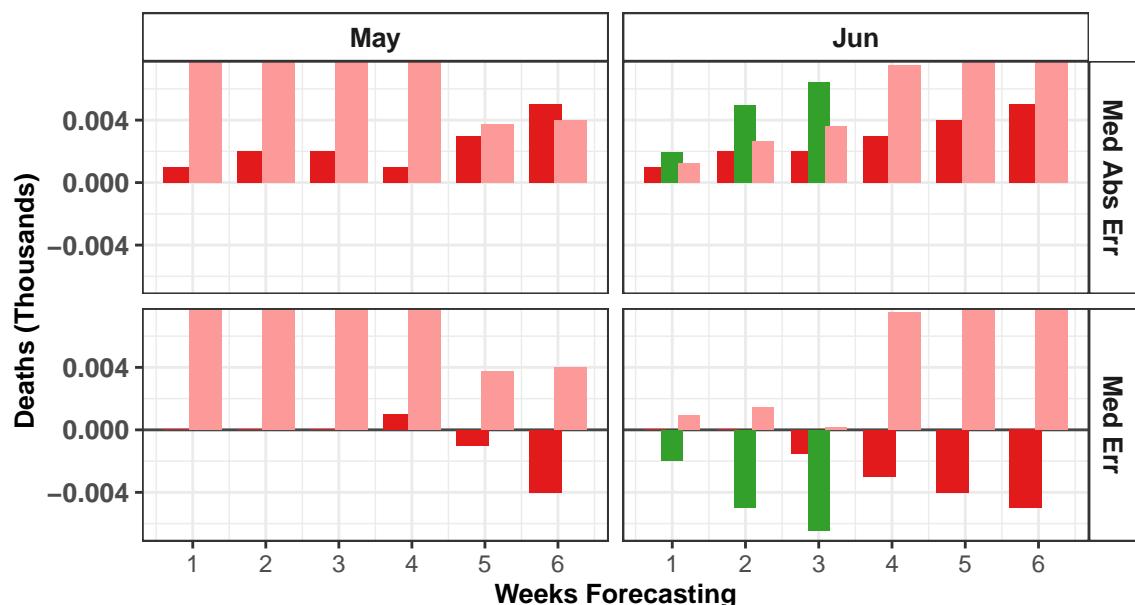


# Maldives

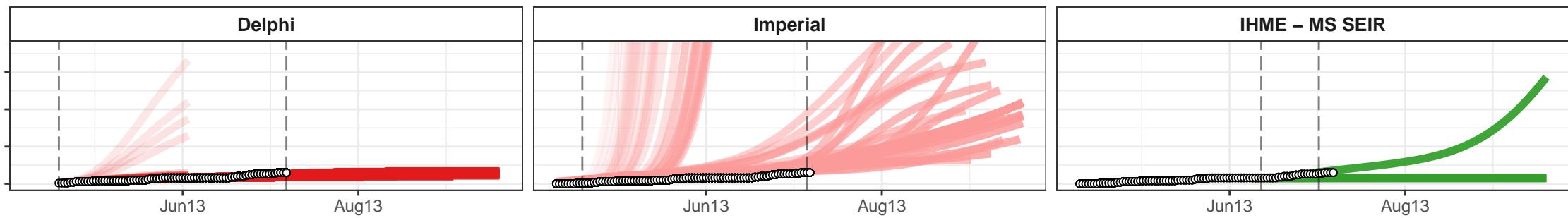
## Current Forecast



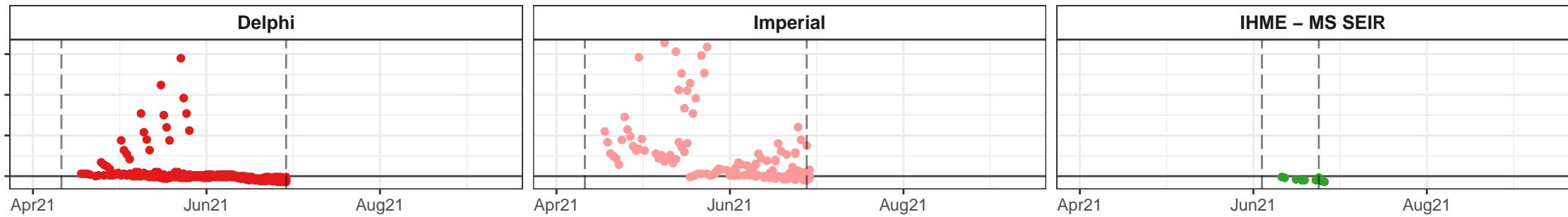
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

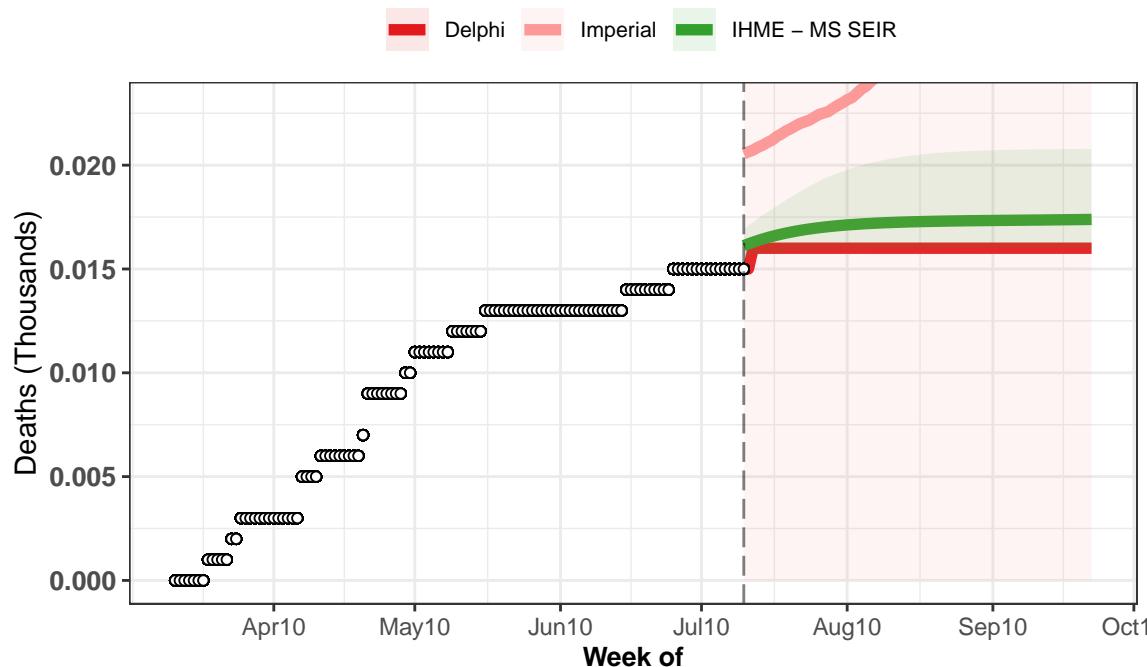


## All Cumulative Errors

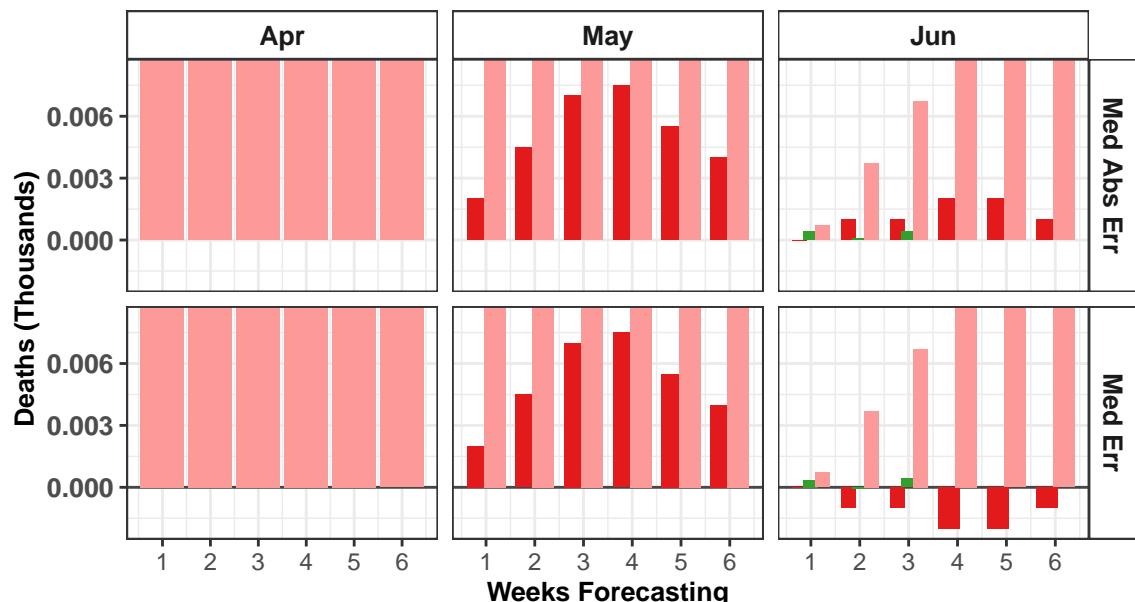


# Togo

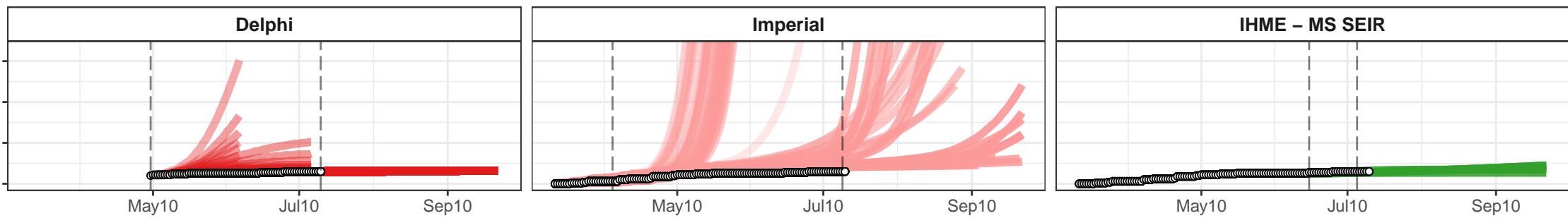
## Current Forecast



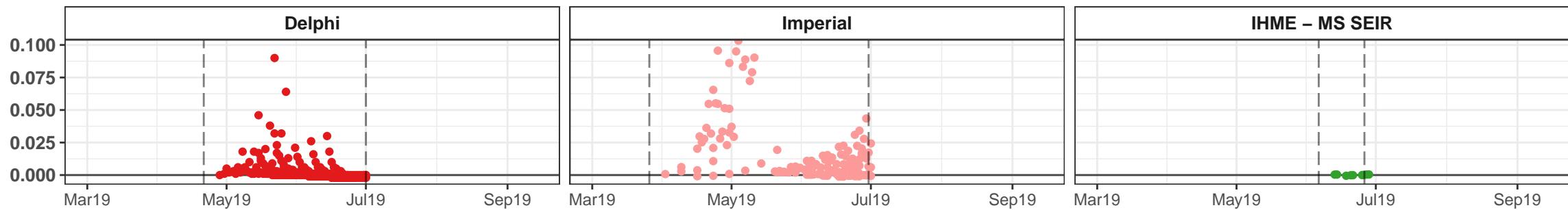
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



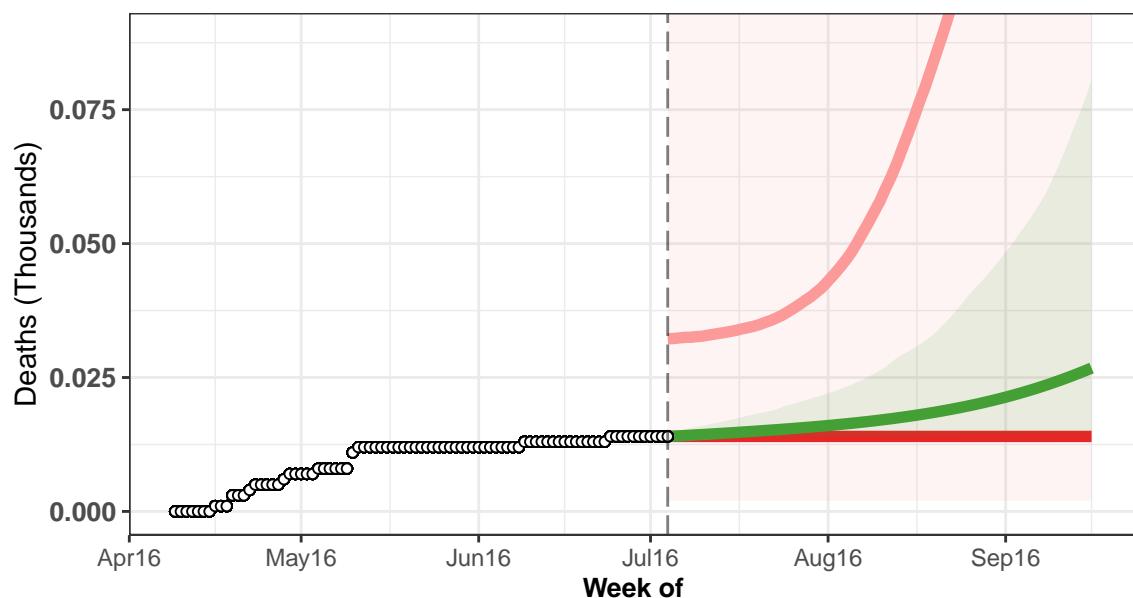
## All Cumulative Errors



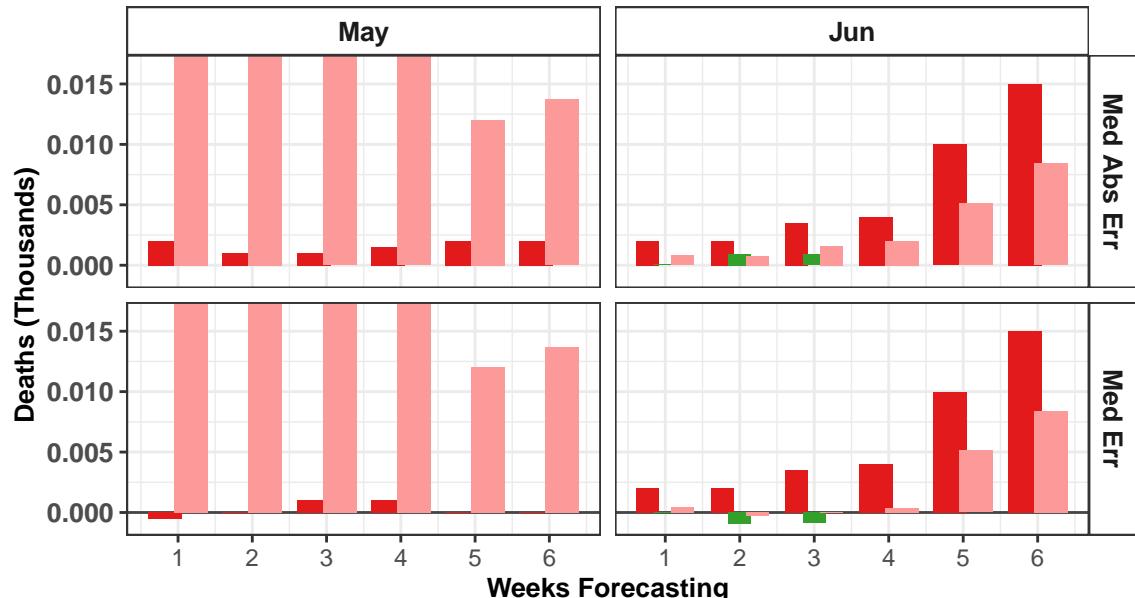
# Sao Tome and Principe

## Current Forecast

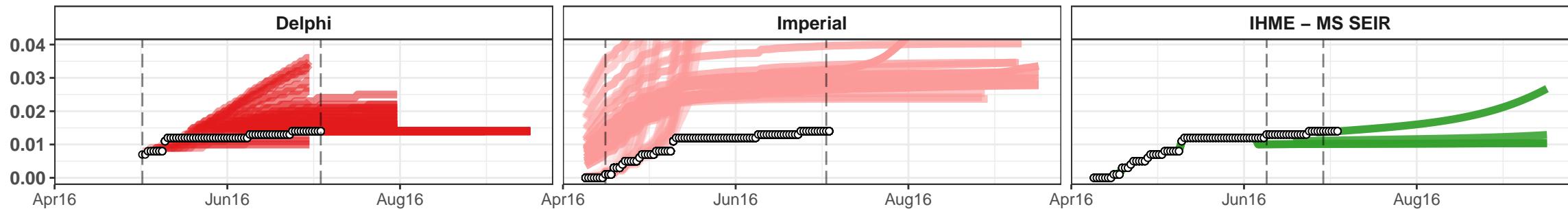
Delphi   Imperial   IHME – MS SEIR



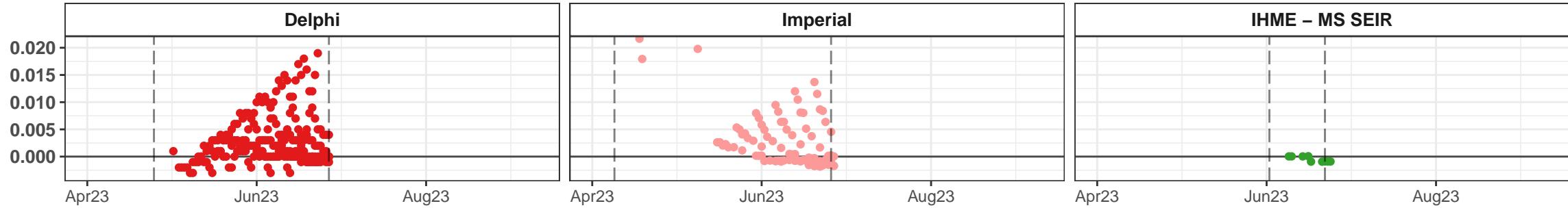
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



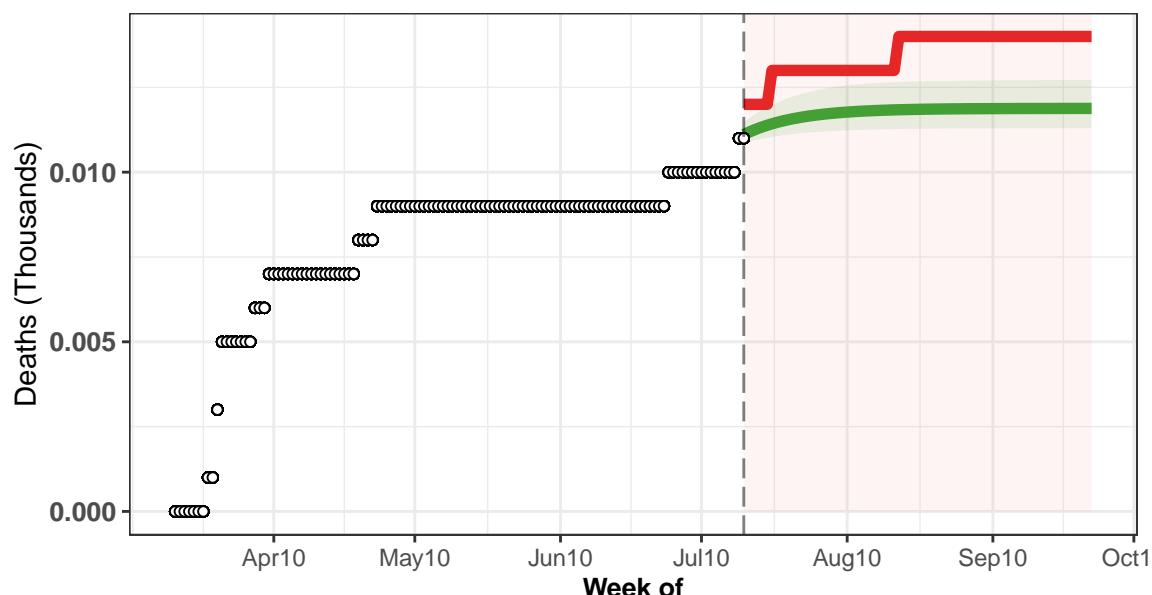
## All Cumulative Errors



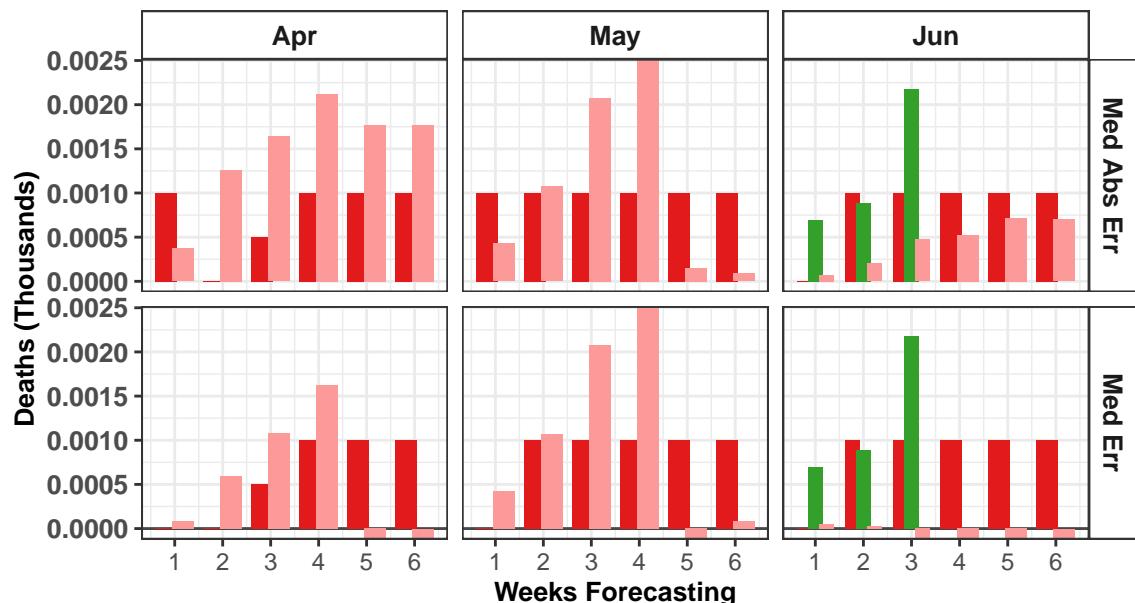
# Jordan

## Current Forecast

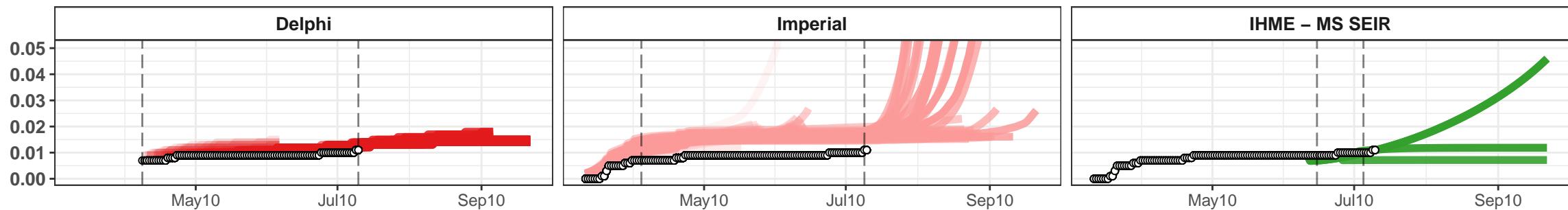
Delphi   Imperial   IHME – MS SEIR



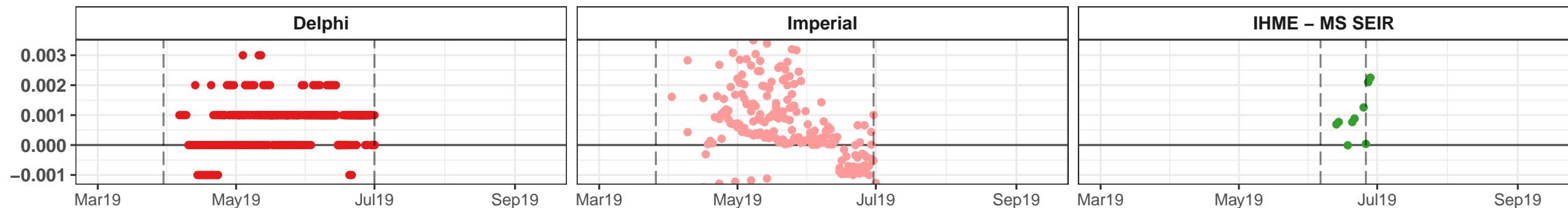
## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions

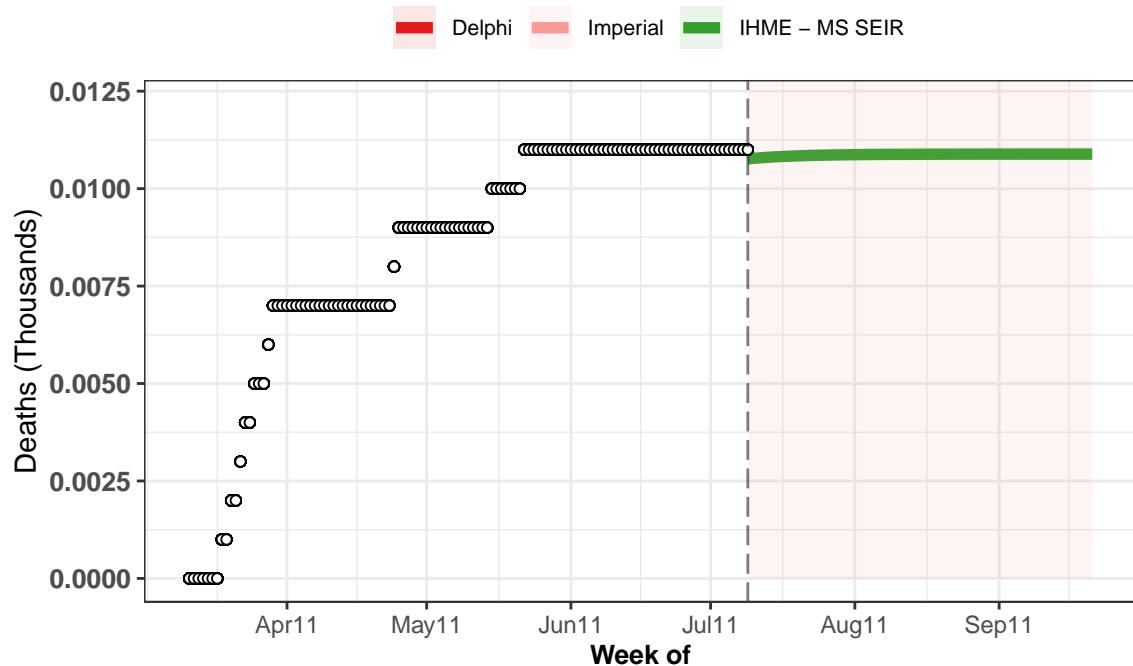


## All Cumulative Errors

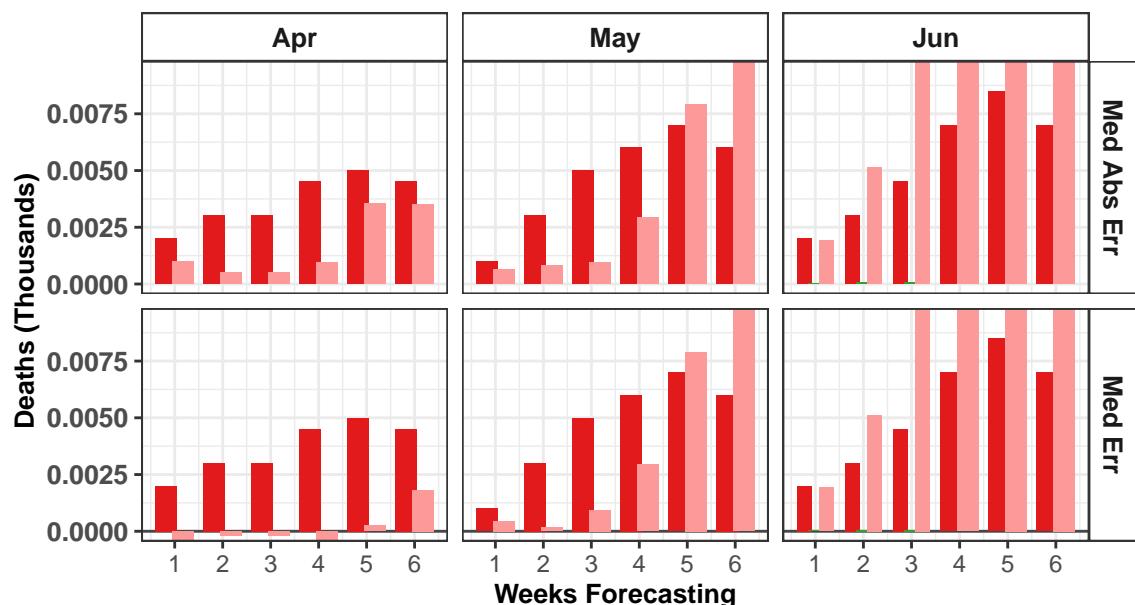


# Sri Lanka

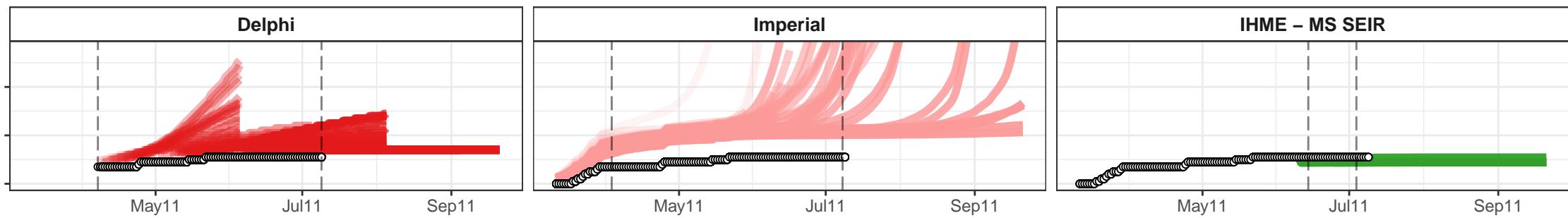
## Current Forecast



## Cumulative Out-Of-Sample Error (Post Intercept Shift)



## All Model Versions



## All Cumulative Errors

