

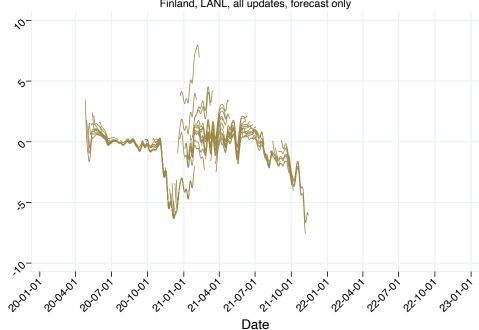
C19 daily deaths error Finland, DELP, all updates, forecast only <sub>2</sub>О-Daily deaths error measure P-0-30\_ *-0*4, pain' para' pala' proa' pain' para' pala' proa' pain' para' pain' pain' Date

C19 daily deaths error Finland, IHME, all updates, forecast only 160-Daily deaths error measure ,00<sup>-</sup> SO-0podra pota proof prata praka prota princi pota pota prata proof Date

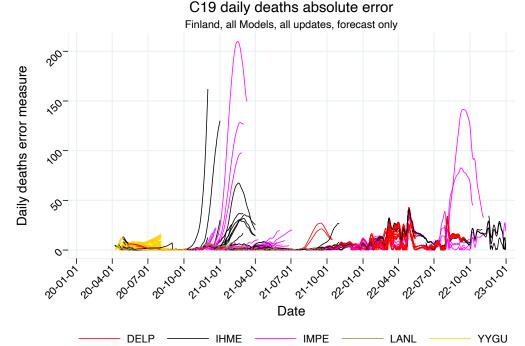
C19 daily deaths error Finland, IMPE, all updates, forecast only 200-Daily deaths error measure 160-00, SO. 0-200 101 20101 20101 20101 210101 210101 2101 2101 2101 20101 220101 220101 220101 Date

C19 daily deaths error
Finland, LANL, all updates, forecast only

Daily deaths error measure



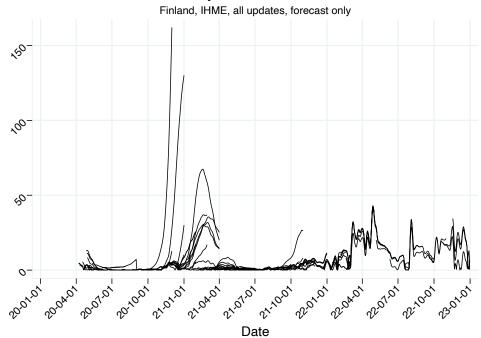
C19 daily deaths error Finland, YYGU, all updates, forecast only **√**5-Daily deaths error measure 0 6 0-Date

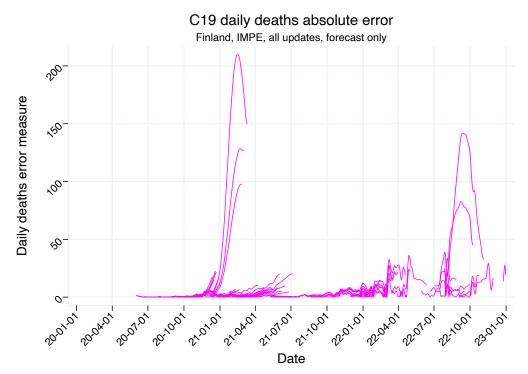


C19 daily deaths absolute error Finland, DELP, all updates, forecast only -04 Daily deaths error measure യ-Ф. 0, pola poka pola proa proa proa proa proa proa proa pola pola proa proa proa Date

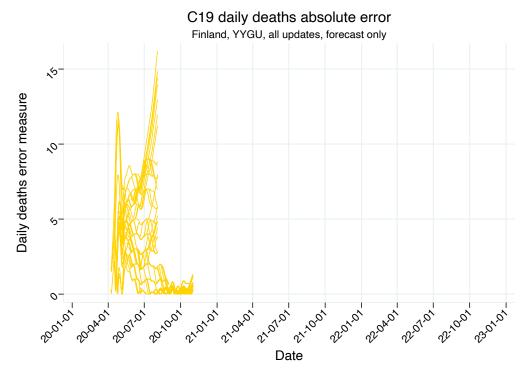


#### C19 daily deaths absolute error



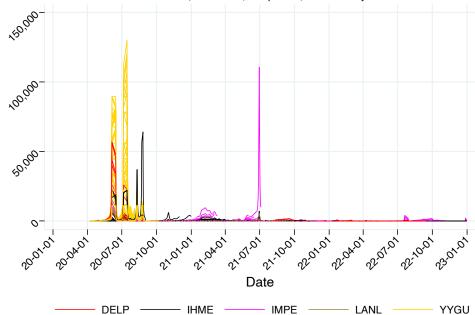


# C19 daily deaths absolute error Finland, LANL, all updates, forecast only ზ-Daily deaths error measure 6 D. 0paiai pakai palai pricai paiai pakai palai pricai paiai pakai palai pricai palai Date

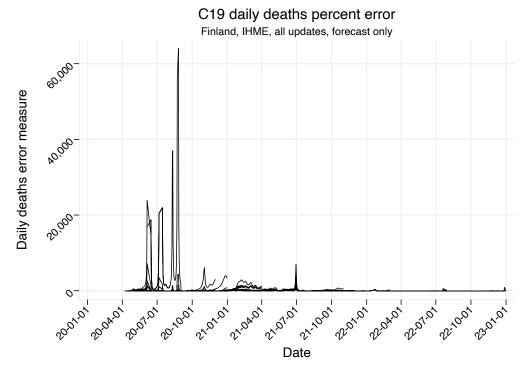


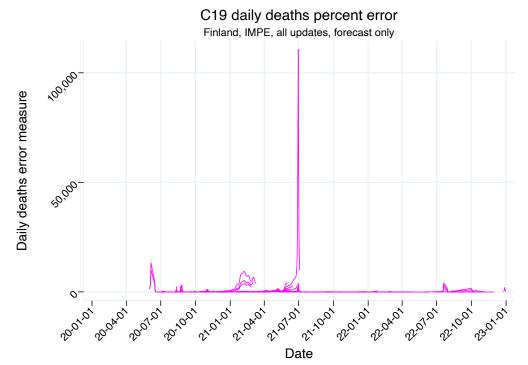
#### C19 daily deaths percent error

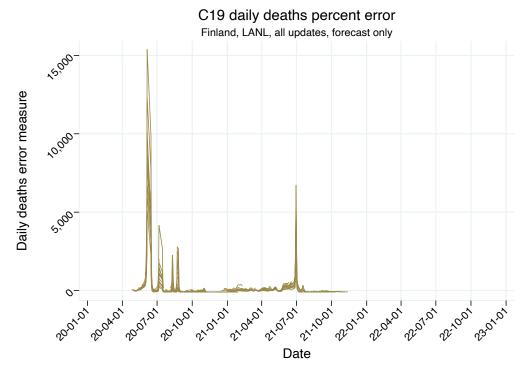




# C19 daily deaths percent error Finland, DELP, all updates, forecast only 80000 Daily deaths error measure \*0'00\_ 20101 20101 20101 20101 20101 20101 20101 20101 20101 20101 20101 20101 20101 Date





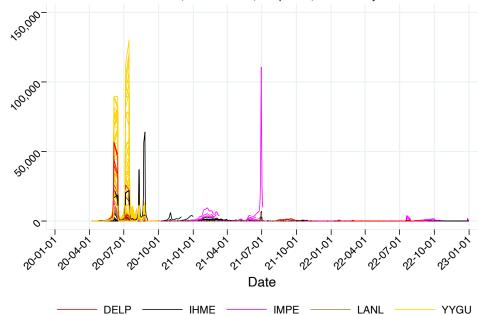


C19 daily deaths percent error

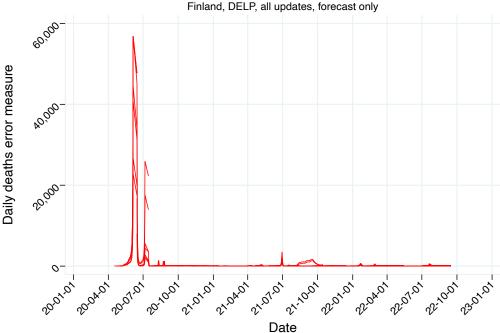
Date

#### C19 daily deaths absolute percent error





# C19 daily deaths absolute percent error



C19 daily deaths absolute percent error Finland, IHME, all updates, forecast only 80,00 Daily deaths error measure 20101 20101 20101 20101 20101 20101 20101 20101 20101 20101 20101 20101 20101 20101 20101 20101

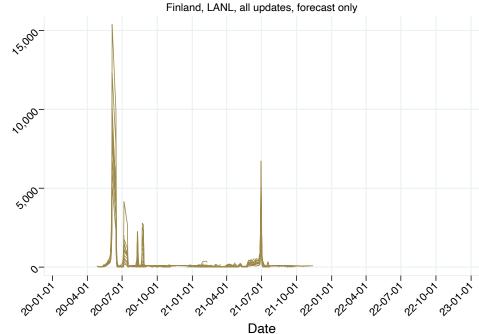
Date

Finland, IMPE, all updates, forecast only 100,00-Daily deaths error measure pain part pain profund vara vara visa visa para para pain

C19 daily deaths absolute percent error

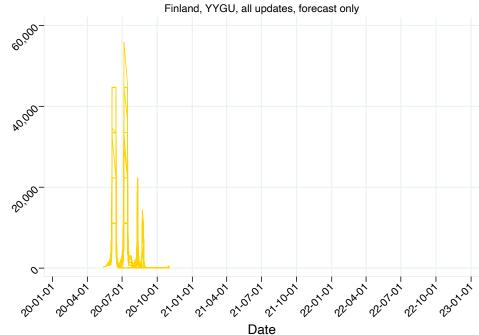
Date

# C19 daily deaths absolute percent error



Daily deaths error measure

### C19 daily deaths absolute percent error



Daily deaths error measure

C19 daily deaths, average median error Finland, DELP, forecast only **%**− Daily deaths error measure 0-%<sup>−</sup> <u>,0</u>pain paka pala prian pain paka pala prian paka pala paka pala prian Date

C19 daily deaths, average median error Finland, IHME, forecast only ъ-Daily deaths error measure 0-0-70-30-Date

C19 daily deaths, average median error Finland, IMPE, forecast only -04 Daily deaths error measure P-0parat pakat paliat pripat prakat palat pripat pakat patat prakat patat

Date

C19 daily deaths, average median error Finland, LANL, forecast only 2-Daily deaths error measure 0-N , N-*,*opotal pokal polal proal ratal rakal ratal rical potal pokal polal proal potal Date

C19 daily deaths, average median error Finland, YYGU, forecast only ▶-Daily deaths error measure ფv-0pain paka palai proai raia raka raiai ricai pain paka paka palai proai patai Date

C19 daily deaths, average median error Finland, all Models, forecast only -04 Daily deaths error measure ₽<sup>-</sup> 0-30\_ Date

IHME

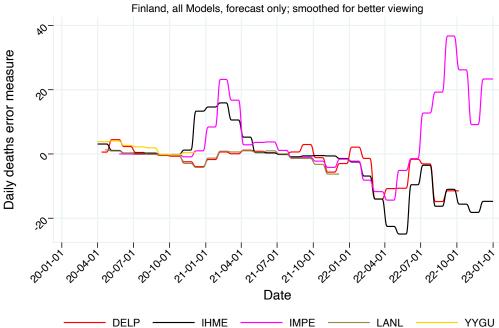
**IMPE** 

LANL

YYGU

**DELP** 

# C19 daily deaths, average median error



C19 daily deaths, average median absolute error Finland, DELP, forecast only **√**2− Daily deaths error measure ~0-**%**-Date

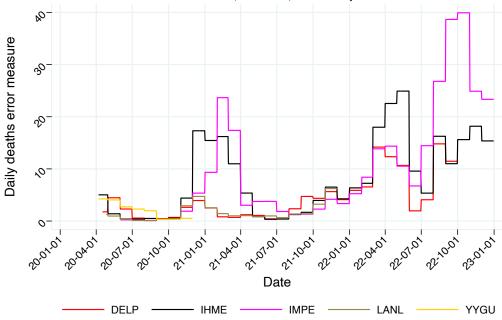
C19 daily deaths, average median absolute error Finland, IHME, forecast only ჯ>⁻ Daily deaths error measure 20-√o\_ 0-**%**-Date

C19 daily deaths, average median absolute error Finland, IMPE, forecast only <sub>Q</sub> Daily deaths error measure B. S. *-0*, parat pakat palat pripat prakat palat pripat parat patat patat prakat patat Date

C19 daily deaths, average median absolute error Finland, LANL, forecast only 6 Daily deaths error measure ▶-2pain paka pala praa rain raka rain raan pala paka pala paka pala Date

C19 daily deaths, average median absolute error Finland, YYGU, forecast only М. Daily deaths error measure გv potal pakal palai priori garal garal galai grafai priori potal pakal palai priori

C19 daily deaths, average median absolute error
Finland, all Models, forecast only



C19 daily deaths, average median absolute error Finland, all Models, forecast only; smoothed for better viewing <sub>О</sub>-Daily deaths error measure ფ-20-0-Date

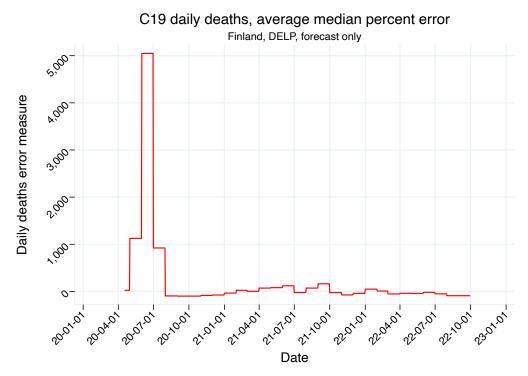
**IMPE** 

LANL

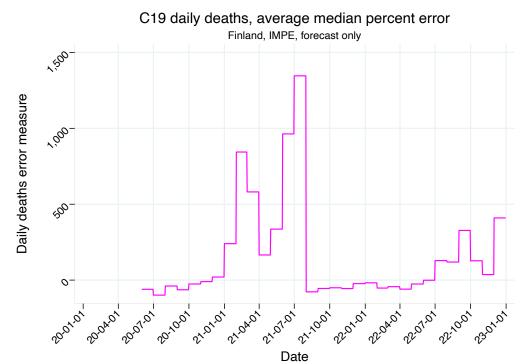
YYGU

IHME

**DELP** 

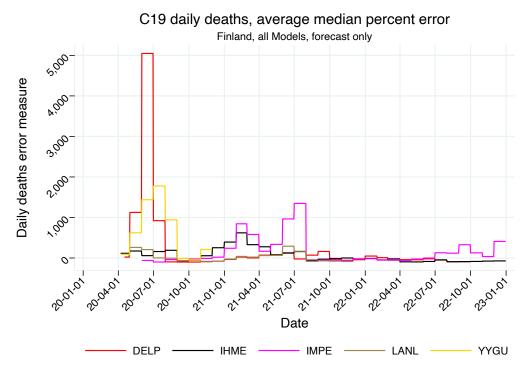


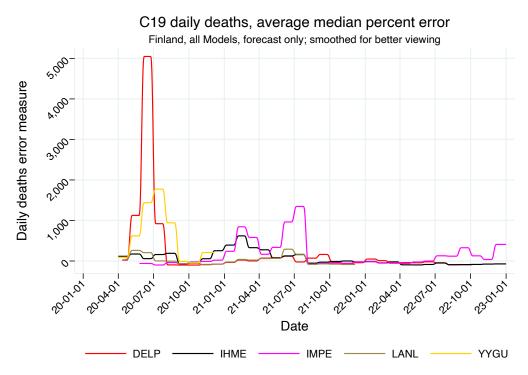
C19 daily deaths, average median percent error Finland, IHME, forecast only 60-Daily deaths error measure <sub>2</sub>007 200-0-200 - 200 and 200 and 2010 and

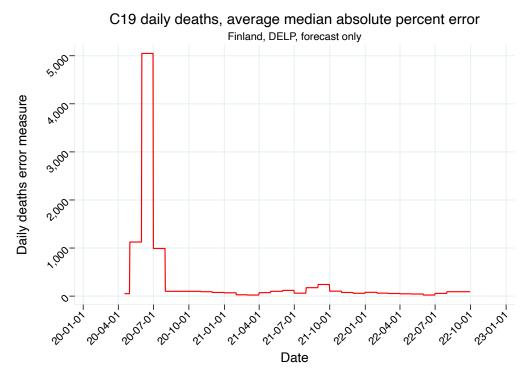


C19 daily deaths, average median percent error Finland, LANL, forecast only 300-Daily deaths error measure 200-,<sub>00</sub>-0potal podra podra praci prata prata prata prata potal potal prata prata prata

C19 daily deaths, average median percent error Finland, YYGU, forecast only Daily deaths error measure 1/200\_ 60°-0-Date







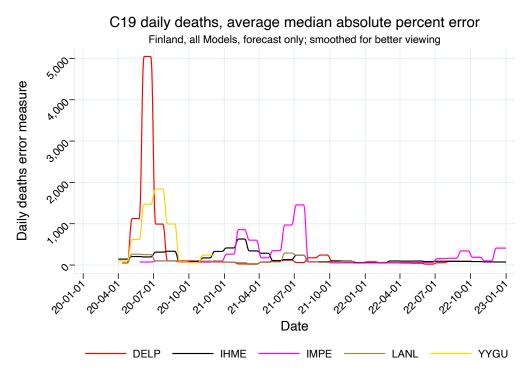
C19 daily deaths, average median absolute percent error Finland, IHME, forecast only 600-Daily deaths error measure MO-200para paka pala praa rata rata rata riaa pata pata pata pata

C19 daily deaths, average median absolute percent error Finland, IMPE, forecast only 1/200-Daily deaths error measure 100-SO potal pokal potal praal rakal rakal ratal ritool pakal rakal ritool pakal

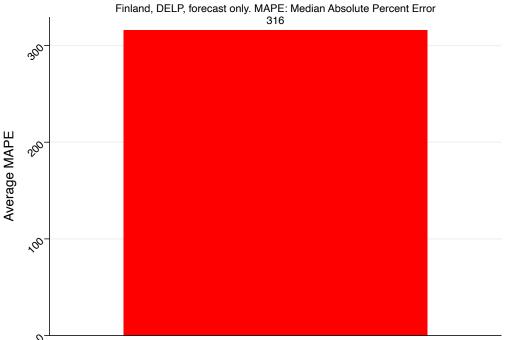
C19 daily deaths, average median absolute percent error Finland, LANL, forecast only 300-150-Daily deaths error measure 200-180-**100**-SO-

C19 daily deaths, average median absolute percent error Finland, YYGU, forecast only 5000-Daily deaths error measure 1,600-ROD\_ potal pokal potal praal rakal rakal ratal ritool pakal rakal ritool pakal

C19 daily deaths, average median absolute percent error Finland, all Models, forecast only 2000-Daily deaths error measure V/00\_ 300-2000-100-0-Date DELP IHME **IMPE** LANL YYGU



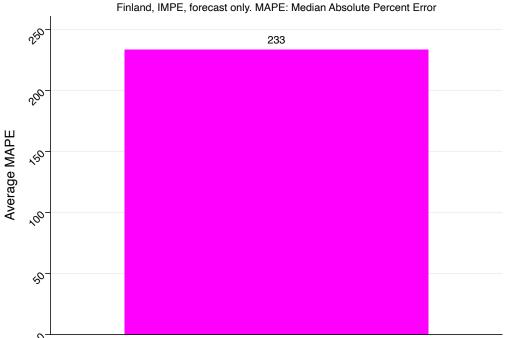
### C19 daily deaths average MAPE over updates and calendar months



C19 daily deaths average MAPE over updates and calendar months Finland, IHME, forecast only. MAPE: Median Absolute Percent Error 163 160 ,00-SO.

Average MAPE

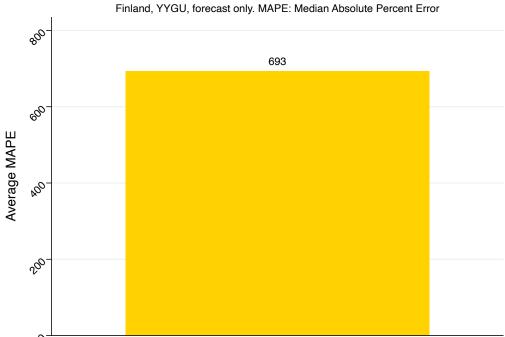
C19 daily deaths average MAPE over updates and calendar months



C19 daily deaths average MAPE over updates and calendar months Finland, LANL, forecast only. MAPE: Median Absolute Percent Error 115 ,00-SO.

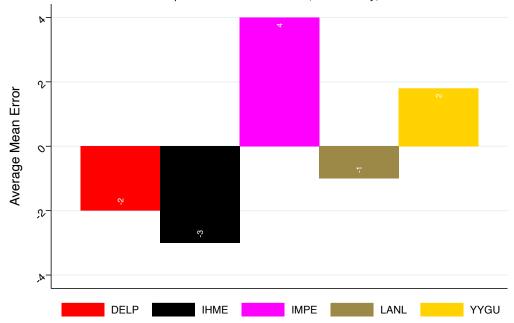
Average MAPE

C19 daily deaths average MAPE over updates and calendar months



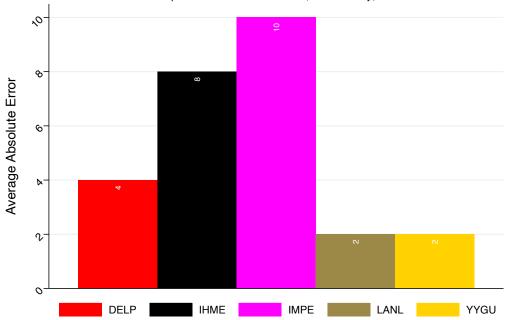
### C19 daily deaths average of Mean Error

Over updates and calendar months; forecast only; Finland



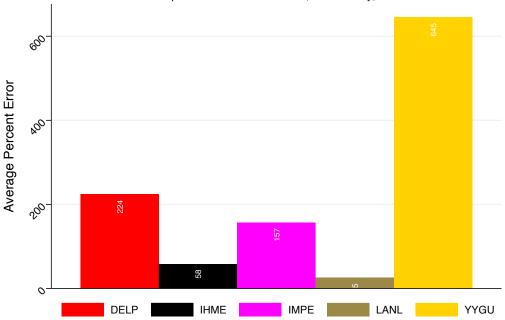
C19 daily deaths average of Absolute Error

Over updates and calendar months; forecast only; Finland

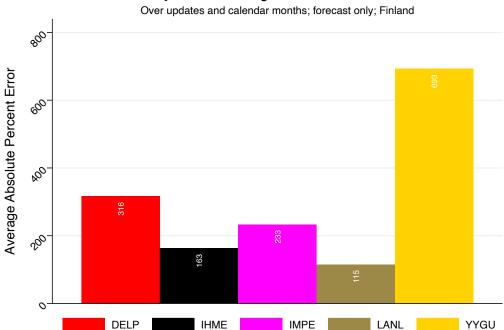


#### C19 daily deaths average of Percent Error

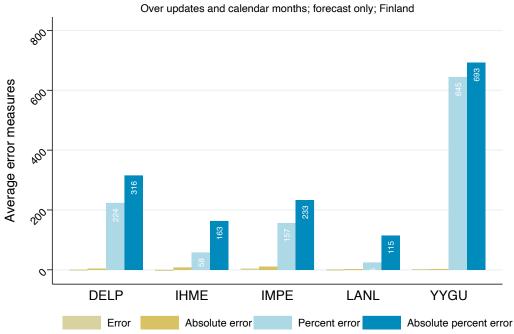
Over updates and calendar months; forecast only; Finland



### C19 daily deaths average of Absolute Percent Error



## C19 daily deaths, models across average error measures



#### C19 daily deaths, average of error measures across models

