

C19 daily deaths error Japan, DELP, all updates, forecast only 100-Daily deaths error measure 600-0reaker realer street state state street street state street state street street state

Date

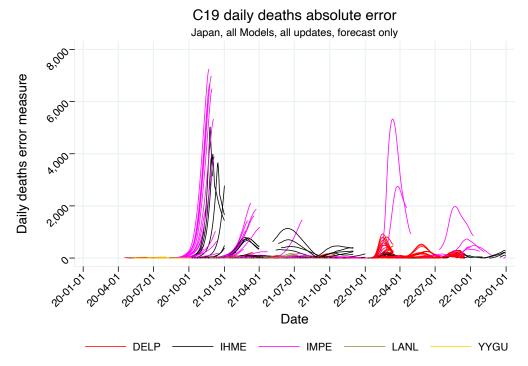
C19 daily deaths error Japan, IHME, all updates, forecast only 2000-\*000\_ Daily deaths error measure 3000-500-1000-0potat pokat potat proat rata rakat ratat ripot potat pokat potat proat potat Date

C19 daily deaths error Japan, IMPE, all updates, forecast only 8000-Daily deaths error measure 000-\*000\_ 2000-0potal pokal potal praal rakal rakal ratal ritool pakal rakal ritool pakal Date

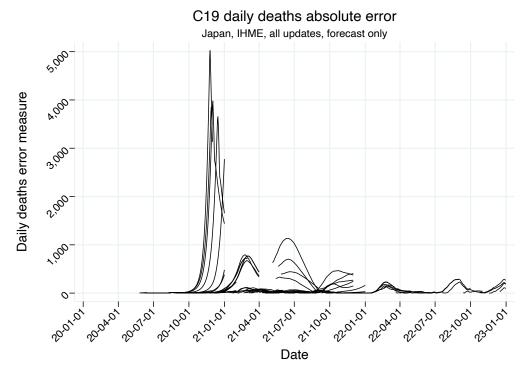
## C19 daily deaths error Japan, LANL, all updates, forecast only 200-Daily deaths error measure *-00,* 0. 2001 and 2001 and 2010 and 201

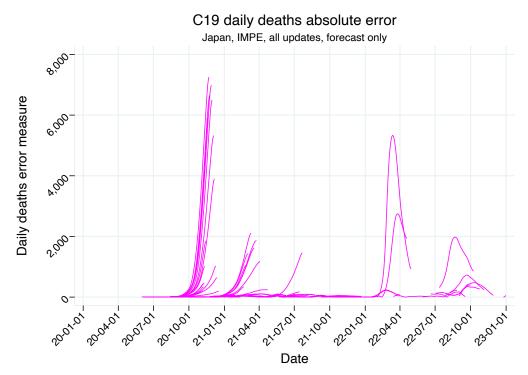
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C19 daily deaths error Japan, YYGU, all updates, forecast only go-Daily deaths error measure 20-0-0-*'0*potal pakal palal priori ratal rakal ralal ritari potal potal palal priori potal Date



### C19 daily deaths absolute error Japan, DELP, all updates, forecast only 1000-Daily deaths error measure <sub>90</sub>0-600-100. 200-0poi al pokal poi al pripal grakal grakal grakal grakal grakal grakal grakal grakal Date



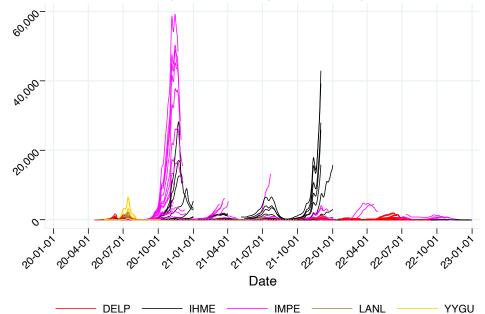


### C19 daily deaths absolute error Japan, LANL, all updates, forecast only 200-Daily deaths error measure 160-,00<sup>-</sup> SO. Date

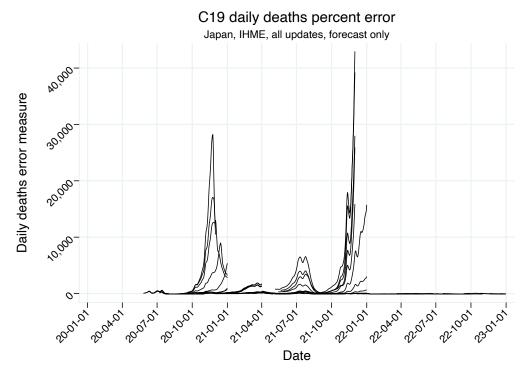
C19 daily deaths absolute error Japan, YYGU, all updates, forecast only **м**-Daily deaths error measure B. P *-0*, parat pakat palat pripat prakat palat pripat parat patat patat prakat patat Date

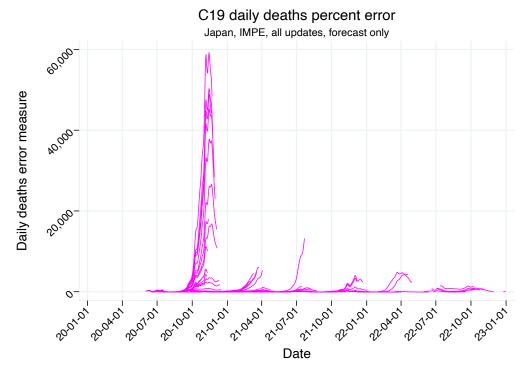
#### C19 daily deaths percent error



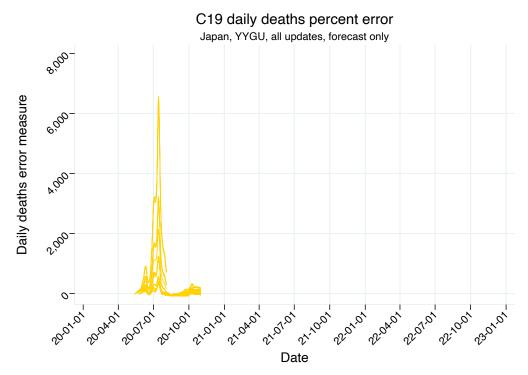


C19 daily deaths percent error Japan, DELP, all updates, forecast only 2000-Daily deaths error measure 1,500-100ф0°-0poi al pokal polal priori grakal grakal grakal grakal grakal grakal grakal grakal Date





### C19 daily deaths percent error Japan, LANL, all updates, forecast only 2,500-Daily deaths error measure 1,600-600-0potal pokal potal praal rakal rakal ratal ritool pakal rakal ritool pakal Date



IHME

**DELP** 

C19 daily deaths absolute percent error

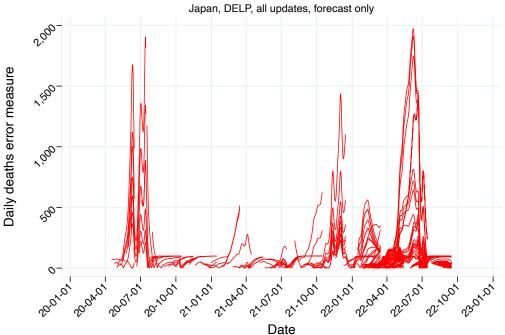
Date

**IMPE** 

LANL

**YYGU** 

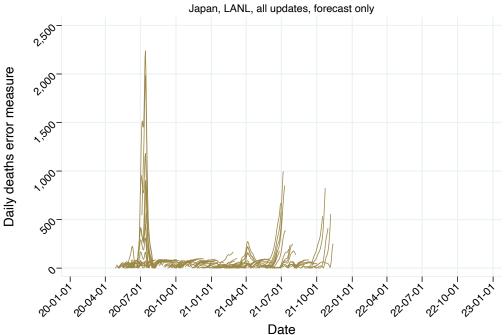
#### C19 daily deaths absolute percent error



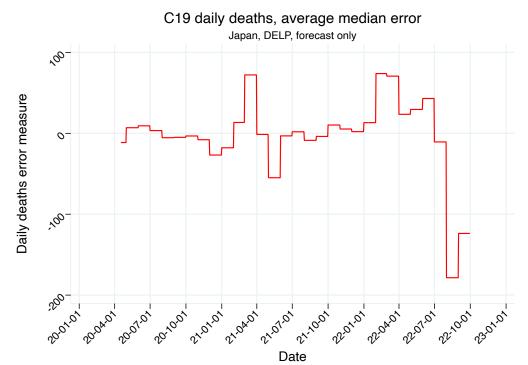
C19 daily deaths absolute percent error Japan, IHME, all updates, forecast only \*0'000\_ Daily deaths error measure 30,00-50,00-10,00pain para pain prai trata tara trata Date

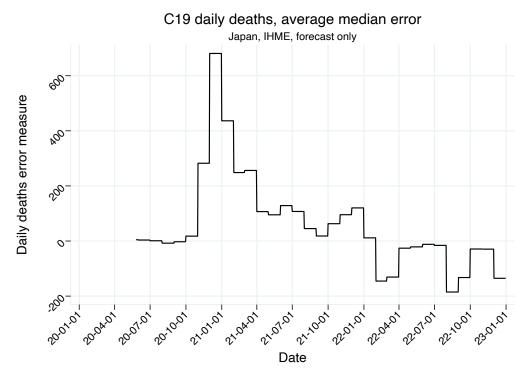
# C19 daily deaths absolute percent error Japan, IMPE, all updates, forecast only 80000 Daily deaths error measure \*0'00\_ Date

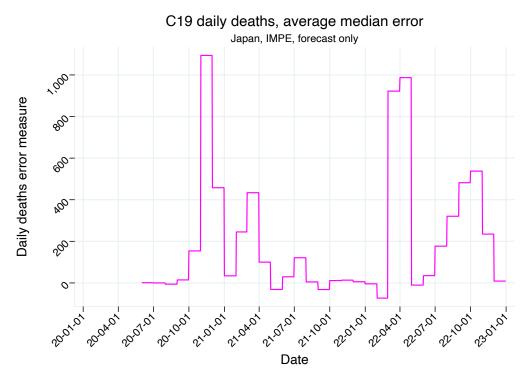
#### C19 daily deaths absolute percent error



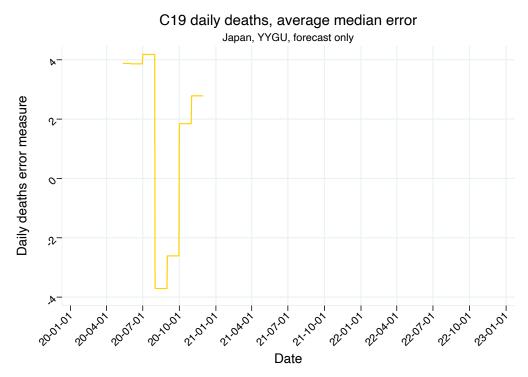
C19 daily deaths absolute percent error Japan, YYGU, all updates, forecast only Daily deaths error measure 000-Date

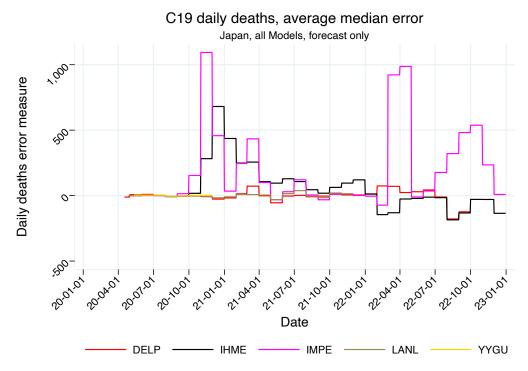


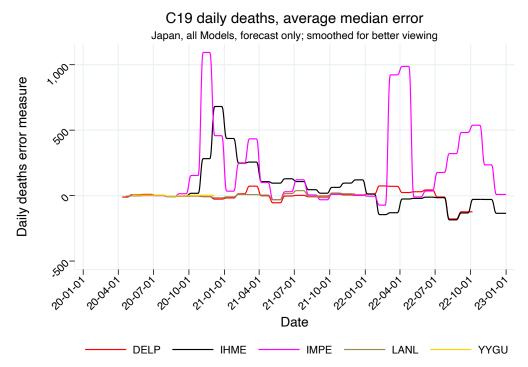


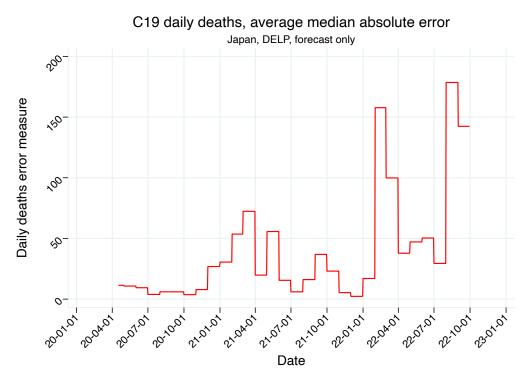


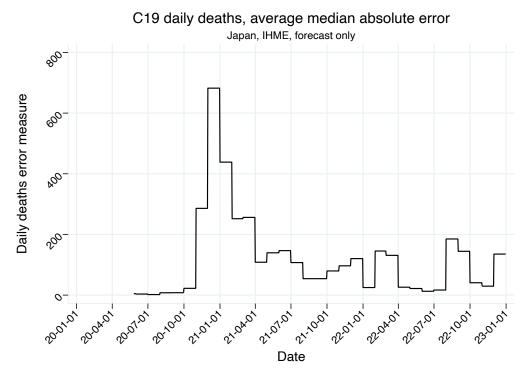
C19 daily deaths, average median error Japan, LANL, forecast only -04 Daily deaths error measure 20-0-30pain paka palai prica pain paka palai prica palai paka palai prica palai Date

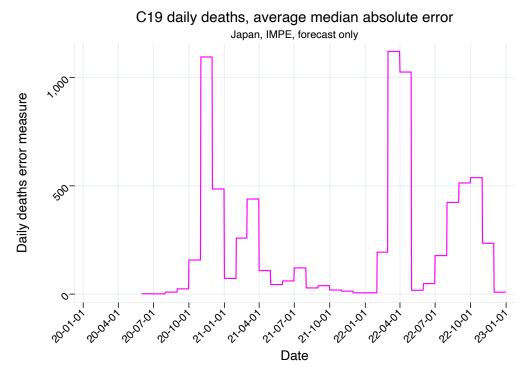


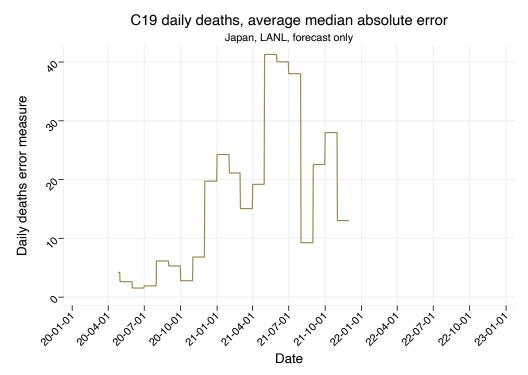




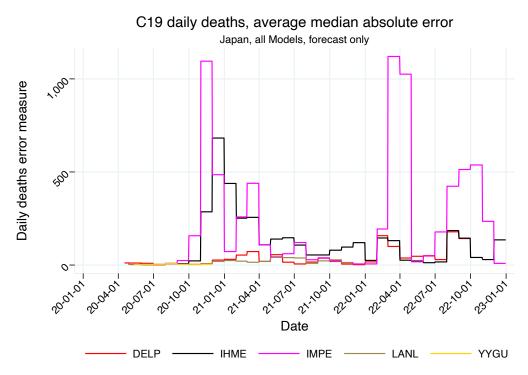


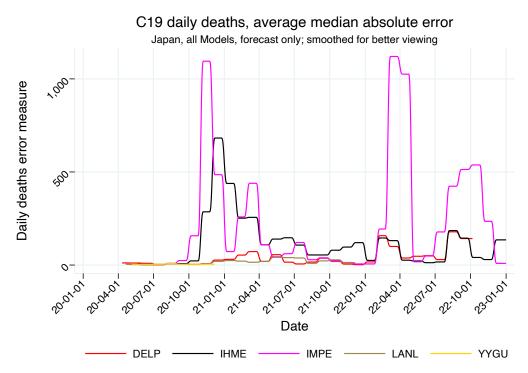


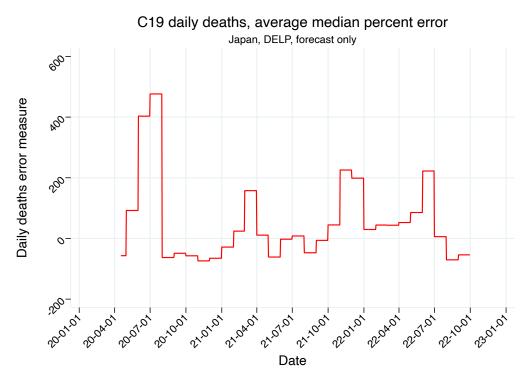




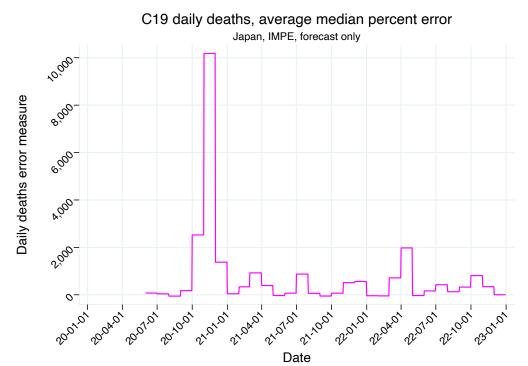
# C19 daily deaths, average median absolute error Japan, YYGU, forecast only ზ-Daily deaths error measure 6 **ら**-₽. pain paka palai proai raia raka raiai ricai pain paka paka palai proai patai Date

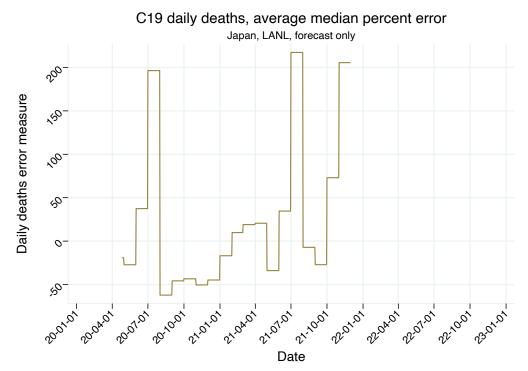




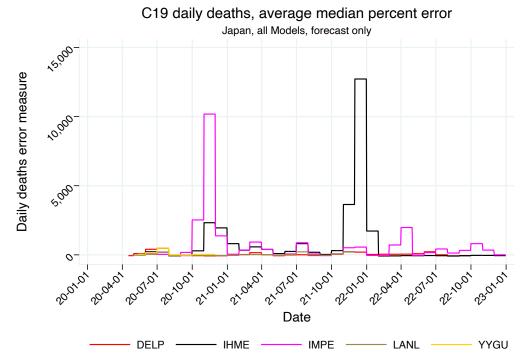


C19 daily deaths, average median percent error Japan, IHME, forecast only 12,000-Daily deaths error measure 

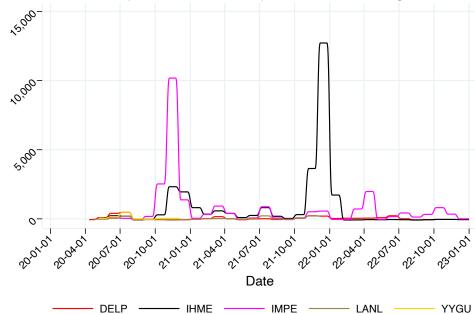




C19 daily deaths, average median percent error Japan, YYGU, forecast only 600-**100** Daily deaths error measure <sub>3</sub>00-,00<sup>-</sup> 0-Date



Daily deaths error measure



C19 daily deaths, average median absolute percent error Japan, DELP, forecast only 600-MO\_ Daily deaths error measure 300-200-,oo-0para paka pala praa rata rata rata riaa pata pata pata pata

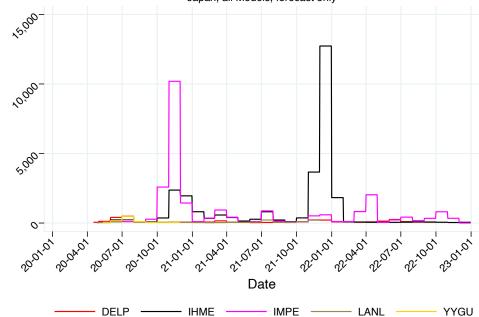
C19 daily deaths, average median absolute percent error Japan, IHME, forecast only 12,000-Daily deaths error measure 

C19 daily deaths, average median absolute percent error Japan, IMPE, forecast only 10000-Daily deaths error measure 8000-\*000\_ 2000-0pain para pain prai trata tara trata trata

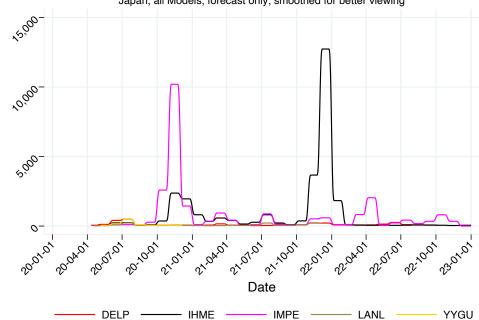
C19 daily deaths, average median absolute percent error Japan, LANL, forecast only 200-Daily deaths error measure 160 *~00*~ SO. para paka pala praa rata rata rata riaa pata pata pata pata Date

C19 daily deaths, average median absolute percent error Japan, YYGU, forecast only 600-MO-Daily deaths error measure <sub>3</sub>00-200-00, 0para paka pala praa rata rata rata riaa pata pata pata pata

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



Daily deaths error measure



Daily deaths error measure

C19 daily deaths average MAPE over updates and calendar months Japan, DELP, forecast only. MAPE: Median Absolute Percent Error 118 ,00-SO.

**Average MAPE** 

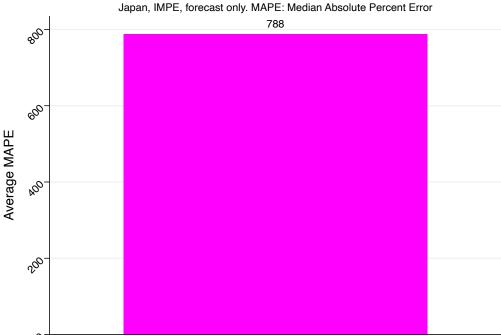
C19 daily deaths average MAPE over updates and calendar months

Japan, IHME, forecast only. MAPE: Median Absolute Percent Error

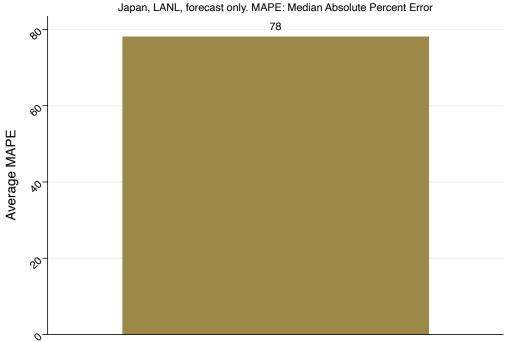
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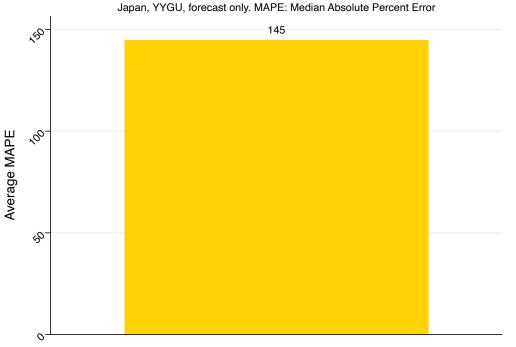
C19 daily deaths average MAPE over updates and calendar months



C19 daily deaths average MAPE over updates and calendar months



C19 daily deaths average MAPE over updates and calendar months



# C19 daily deaths average of Mean Error Over updates and calendar months; forecast only; Japan 200-180 √00<sup>-1</sup> 59 ф.

**IMPE** 

LANL

**YYGU** 

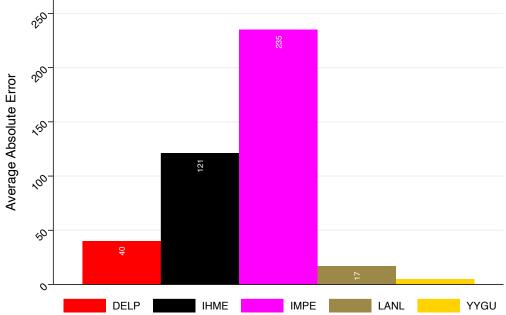
IHME

Average Mean Error

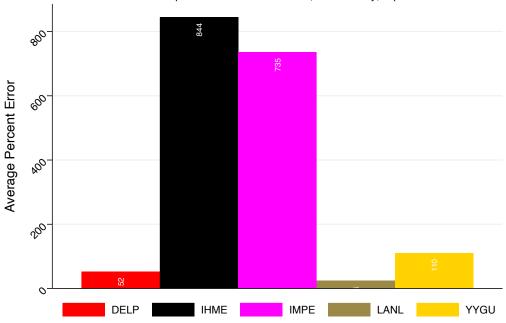
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**DELP** 

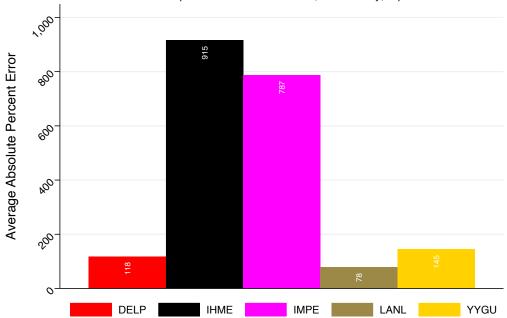
## C19 daily deaths average of Absolute Error



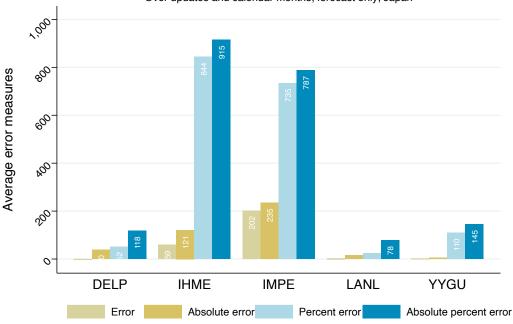
#### C19 daily deaths average of Percent Error



#### 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

