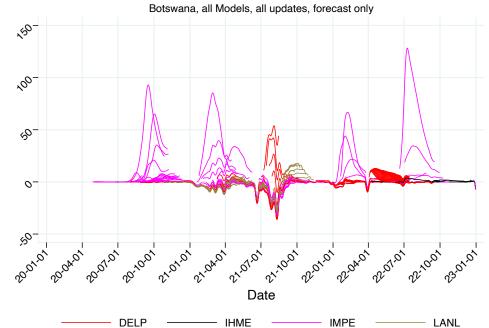
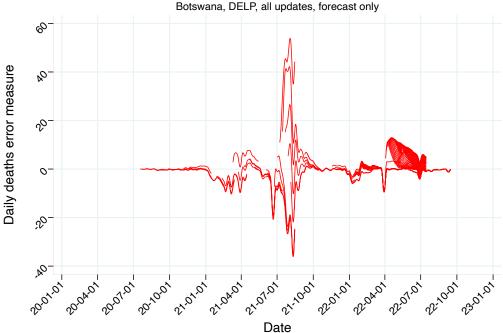
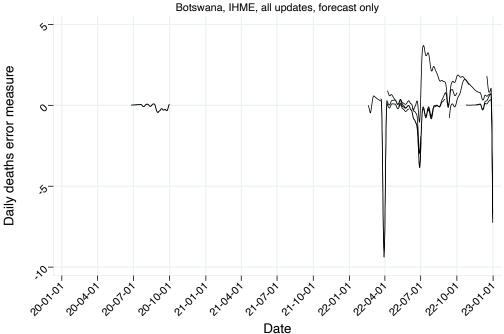


Daily deaths error measure

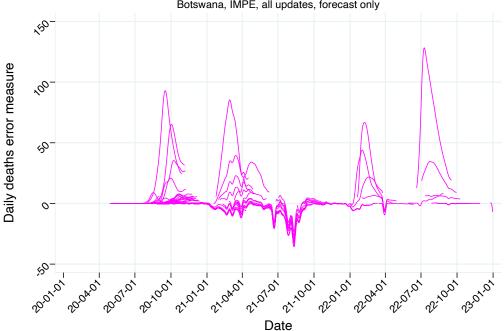


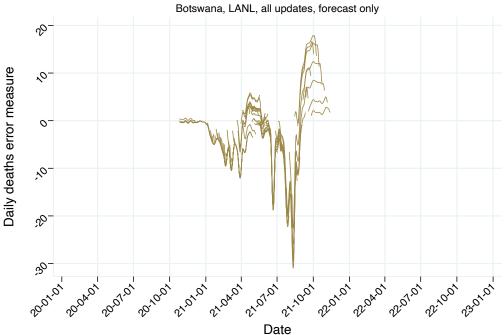




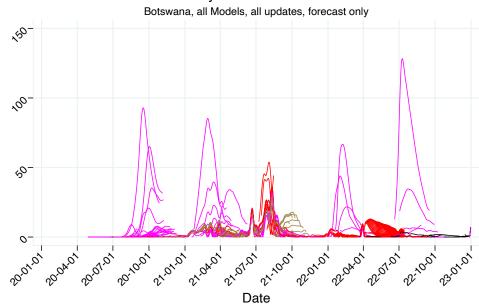
C19 daily deaths error

Botswana, IMPE, all updates, forecast only

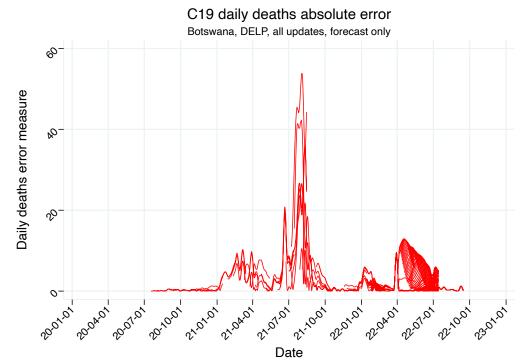




#### C19 daily deaths absolute error



—— DELP —— IHME —— IMPE —— LANL

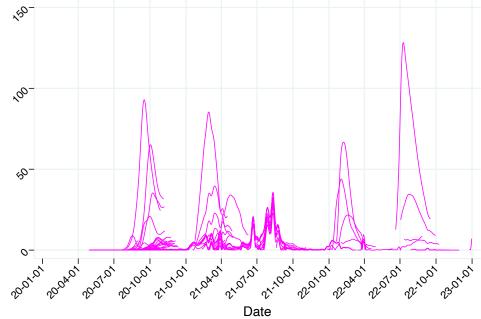


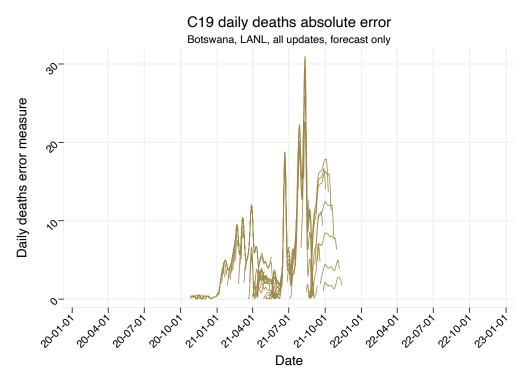
### C19 daily deaths absolute error Botswana, IHME, all updates, forecast only ~0-Daily deaths error measure გ-6-**N**vpotot pokot polot prior pakot pakot pakot potot pokot potot potot Date



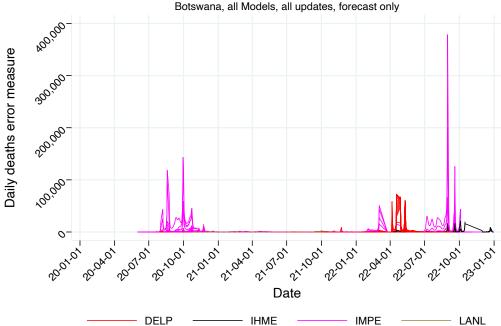
### C19 daily deaths absolute error

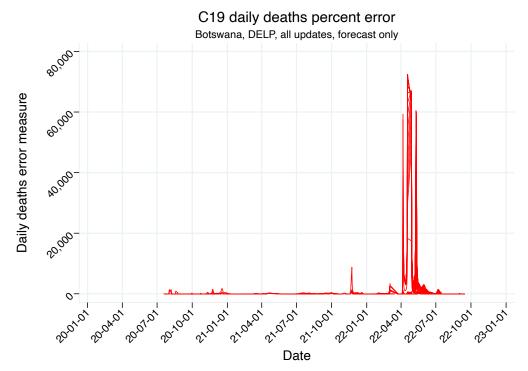
Botswana, IMPE, all updates, forecast only

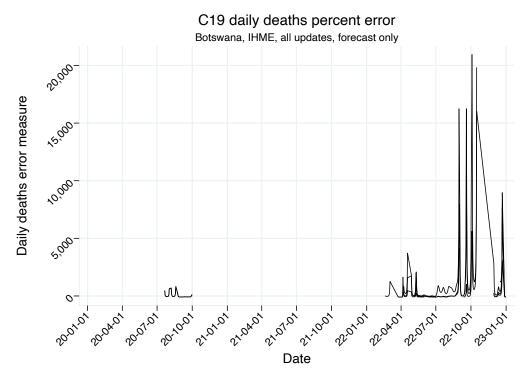




### C19 daily deaths percent error







## C19 daily deaths percent error Botswana, IMPE, all updates, forecast only <sup>10</sup>0000 Daily deaths error measure 0potal pokal potal proal pakal pakal pakal pakal pakal pakal potal

## C19 daily deaths percent error Botswana, LANL, all updates, forecast only 2,500-Daily deaths error measure ф0°-0point pour point prot valot valot visot stata stata stata Date

### Botswana, ALL MODELS, all updates, forecast only \*00'00\_ Daily deaths error measure 30,00 500,00-100,00-0paial pakal paial priori pakal pakal paial priori pakal pakal priori palal

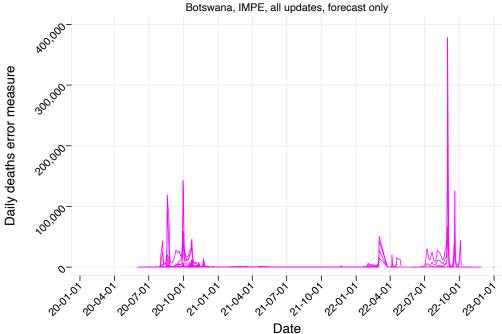
C19 daily deaths absolute percent error

——— DELP ——— IHME ———— IMPE ———— LANL

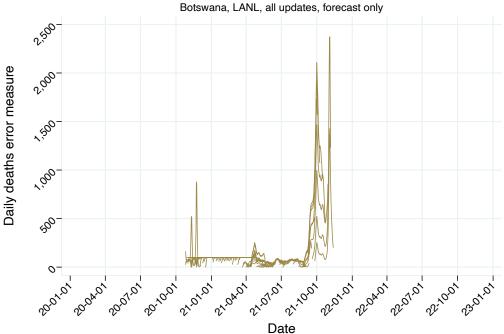
# C19 daily deaths absolute percent error Botswana, DELP, all updates, forecast only Daily deaths error measure 60,000-Date

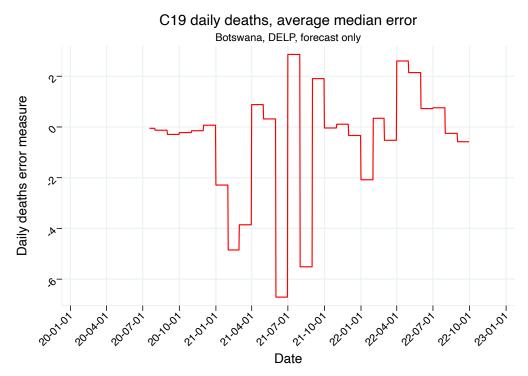
C19 daily deaths absolute percent error Botswana, IHME, all updates, forecast only Daily deaths error measure 2000-W Date

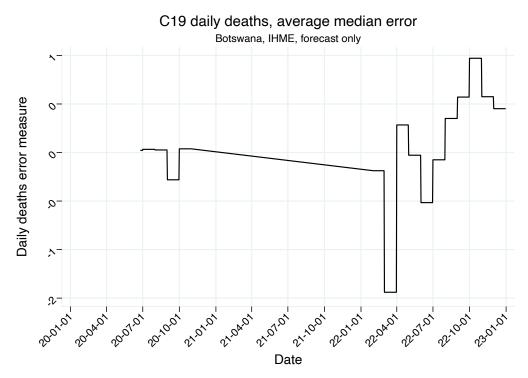
### C19 daily deaths absolute percent error



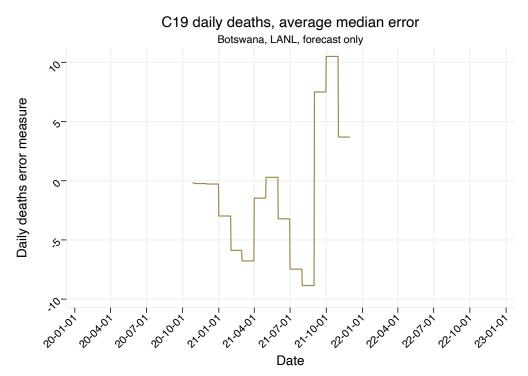
### C19 daily deaths absolute percent error







C19 daily deaths, average median error Botswana, IMPE, forecast only എ-Daily deaths error measure P-0-0-10. Date



C19 daily deaths, average median error Botswana, all Models, forecast only യ-Daily deaths error measure S. 0-0-70pain paka pala prica raia raka raia rica pala paka pala prica sala Date

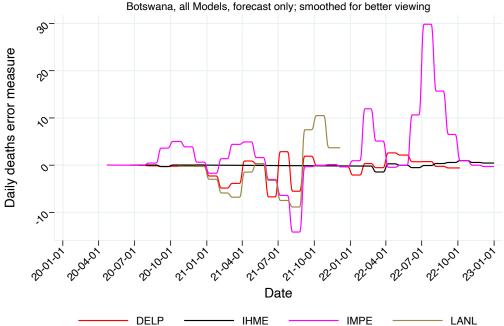
IHME

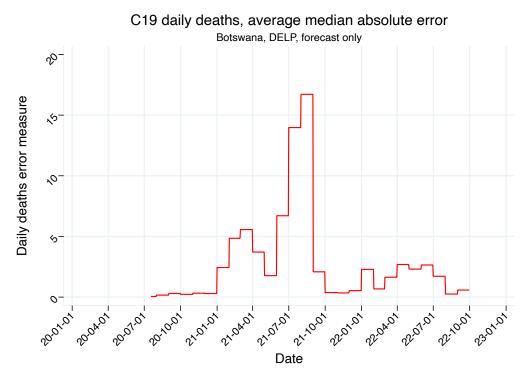
**IMPE** 

LANL

**DELP** 

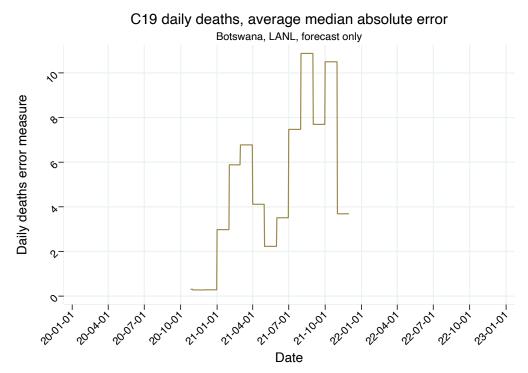
C19 daily deaths, average median error





## C19 daily deaths, average median absolute error Botswana, IHME, forecast only 2-Daily deaths error measure r-Λ-0-0-

C19 daily deaths, average median absolute error Botswana, IMPE, forecast only ൃo-Daily deaths error measure 20-0 



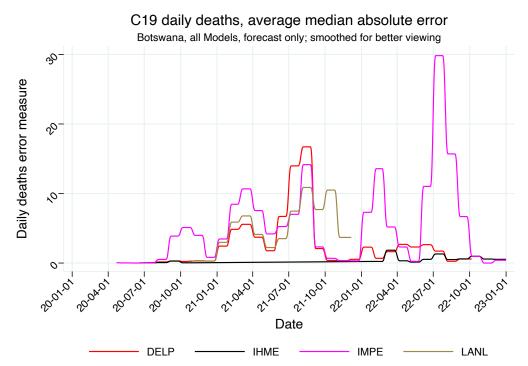
C19 daily deaths, average median absolute error Botswana, all Models, forecast only യ-Daily deaths error measure P-0-Date

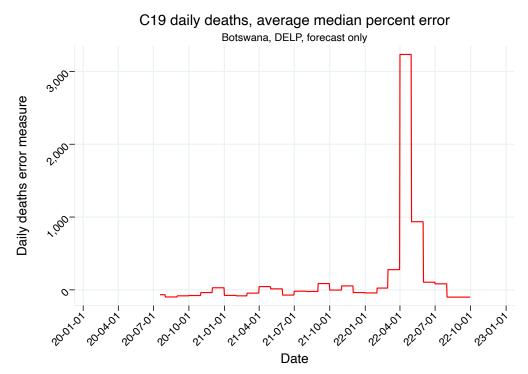
IHME

**IMPE** 

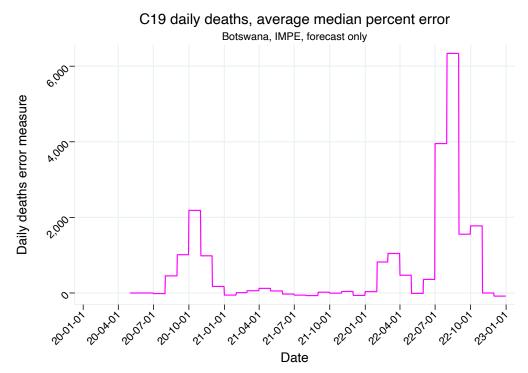
LANL

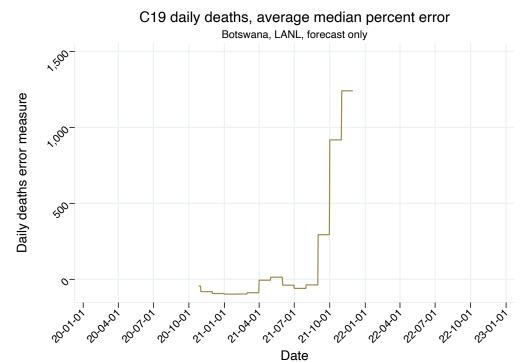
**DELP** 



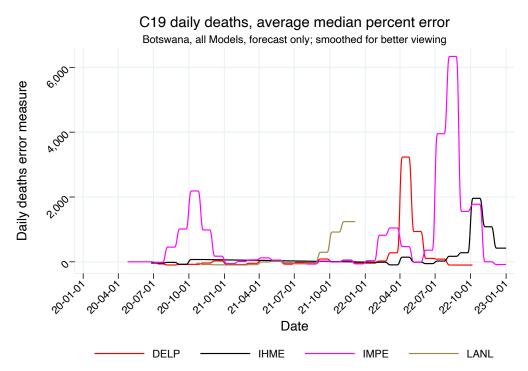


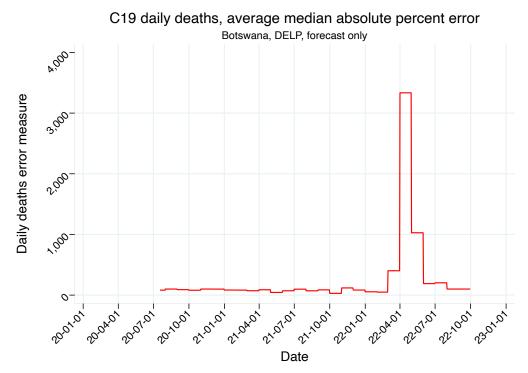
C19 daily deaths, average median percent error Botswana, IHME, forecast only 2000-Daily deaths error measure 1/200-100-60°-0potal pokal potal praal rakal rakal rison patal pakal patal Date



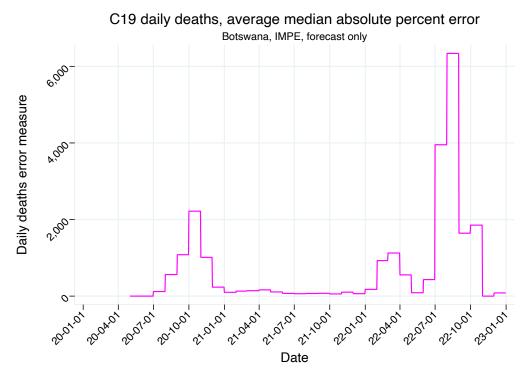


C19 daily deaths, average median percent error Botswana, all Models, forecast only 000-Daily deaths error measure \*′00\_ 500-0-Date **DELP** IHME **IMPE** LANL

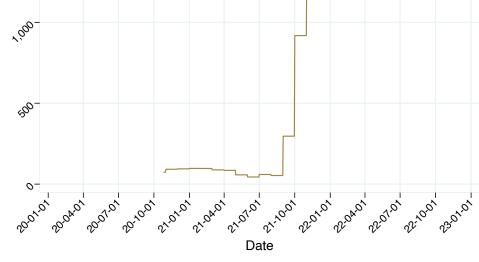




C19 daily deaths, average median absolute percent error Botswana, IHME, forecast only 5000-Daily deaths error measure 1,800-600potat potat potat prant patat patat prant patat patat patat prant patat Date



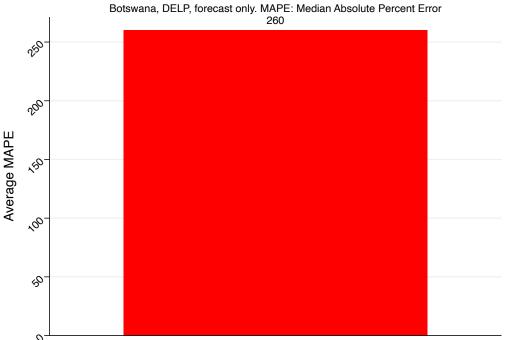
C19 daily deaths, average median absolute percent error Botswana, LANL, forecast only 1,500-Daily deaths error measure 600-



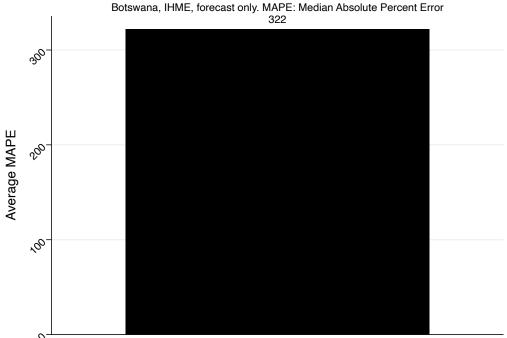
C19 daily deaths, average median absolute percent error Botswana, all Models, forecast only 000-Daily deaths error measure \*000\_ 500-0-Date **DELP** IHME **IMPE** LANL

C19 daily deaths, average median absolute percent error Botswana, all Models, forecast only; smoothed for better viewing 000-Daily deaths error measure \*000\_ 500-0poter poter poter propried grater grater grater grater grater grater grater Date **DELP** IHME **IMPE** LANL

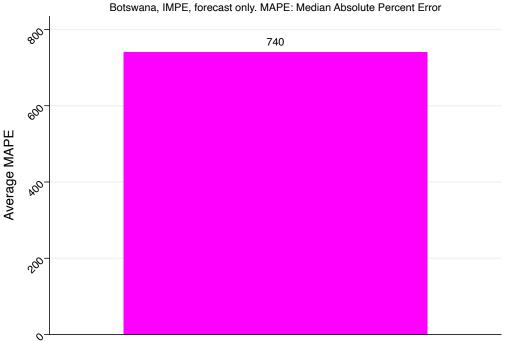
### C19 daily deaths average MAPE over updates and calendar months



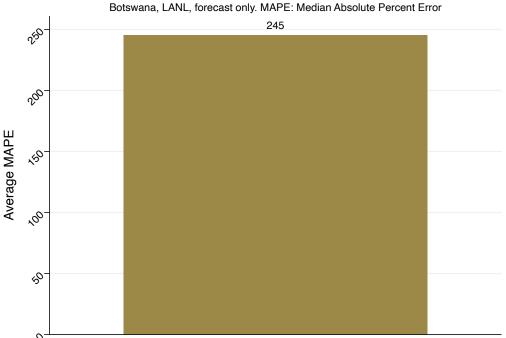
## C19 daily deaths average MAPE over updates and calendar months



C19 daily deaths average MAPE over updates and calendar months

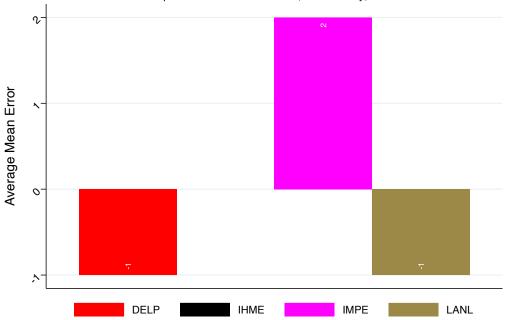


C19 daily deaths average MAPE over updates and calendar months



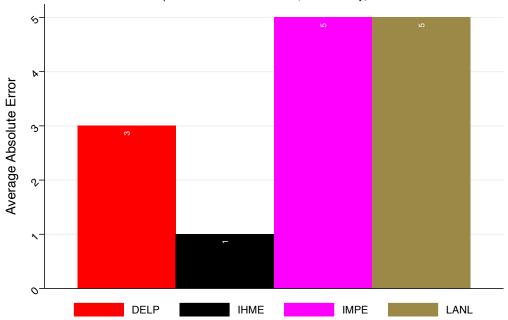
#### C19 daily deaths average of Mean Error

Over updates and calendar months; forecast only; Botswana



C19 daily deaths average of Absolute Error

Over updates and calendar months; forecast only; Botswana



# C19 daily deaths average of Percent Error Over updates and calendar months; forecast only; Botswana 963 600 MO-258 200-

IHME

**IMPE** 

LANL

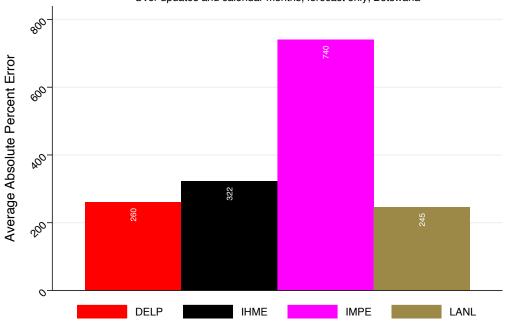
Average Percent Error

0.

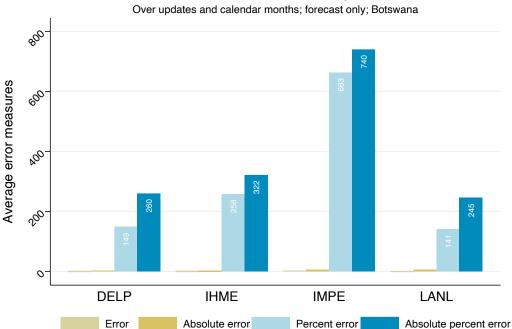
**DELP** 

### C19 daily deaths average of Absolute Percent Error

Over updates and calendar months; forecast only; Botswana



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



C19 daily deaths, average of error measures across models

