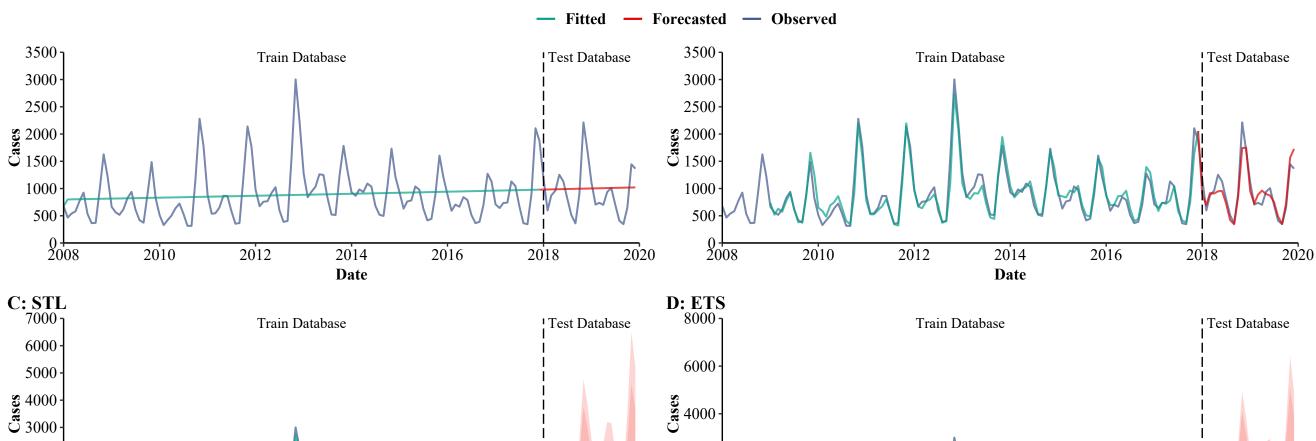
2000

1000

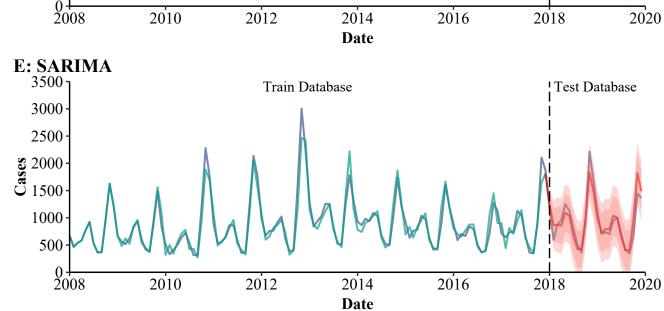
#### B: Neural Network

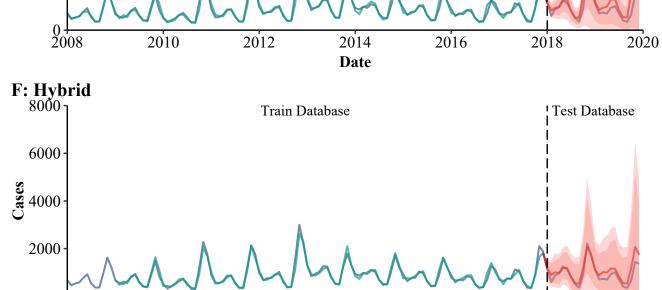


2000

0+ 2008

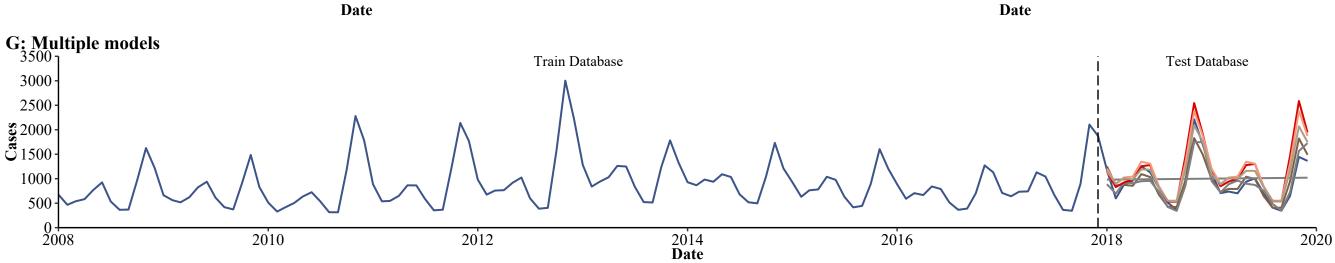
2010





2014

2012



### — ETS — Hybrid — Observed — SARIMA— STL

### H: RMSE of Models

Method	Train	Test	Train and Test
Grey Model	471.28	434.99	465.43
Neural Network	141.87	177.84	149.06
STL	114.20	328.19	169.77
ETS	129.12	369.98	191.59
SARIMA	141.38	162.81	145.17
Hybrid*	119.59	239.94	148.89

\*Hybrid: Combined SARIMA, ETS, STL

and Neural Network model

## I: R-squared of Models

Method	Train	Test	Train and Test
Grey Model	0.01	0.00	0.01
Neural Network	0.91	0.83	0.90
STL	0.94	0.83	0.88
ETS	0.93	0.78	0.86
SARIMA	0.91	0.86	0.90
Hybrid*	0.94	0.84	0.90

# \*Hybrid: Combined SARIMA, ETS, STL and Neural Network model

#### J: MAE of Models

Method	Train	Test	Train and Test
Grey Model	342.36	341.52	342.22
Neural Network	105.46	132.49	110.37
STL	74.06	252.81	103.86
ETS	84.33	253.72	112.56
SARIMA	97.78	123.02	101.98
Hybrid*	81.63	183.18	100.09

2016

2018

2020