

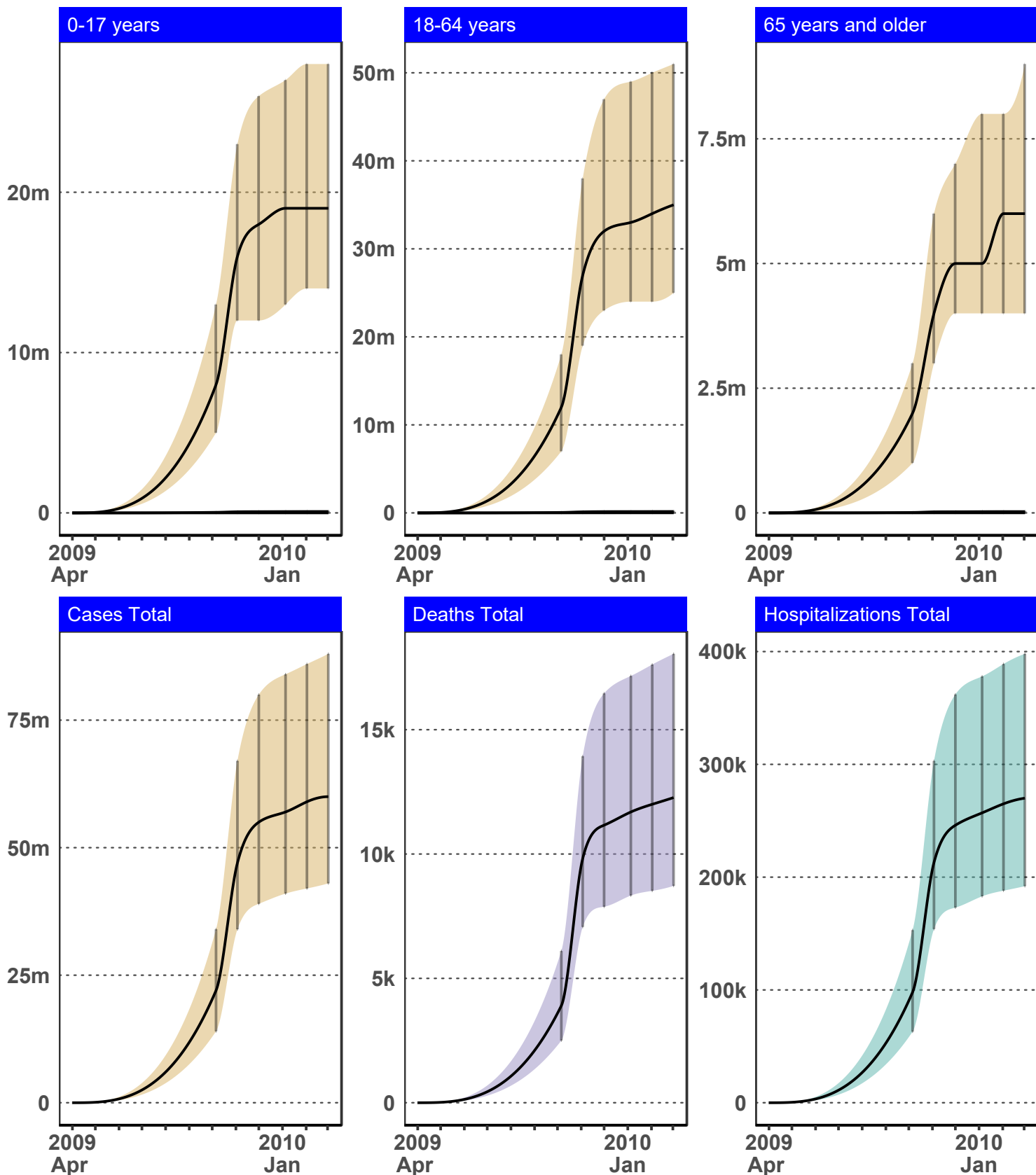
2009 H1N1 (swine flu pandemic) cases, deaths, and hospitalizations

Interpolated counts from counts from Oct 2009 to March 2010

The CDC provided middle, low and high, estimate counts for the categories below for each month from Oct 2009 to March 2010.

Estimates starting from April 2009 (the beginning of the H1N1 pandemic) are not given, these were interpolated using spline estimation.

Type Cases Deaths Hospitalizations



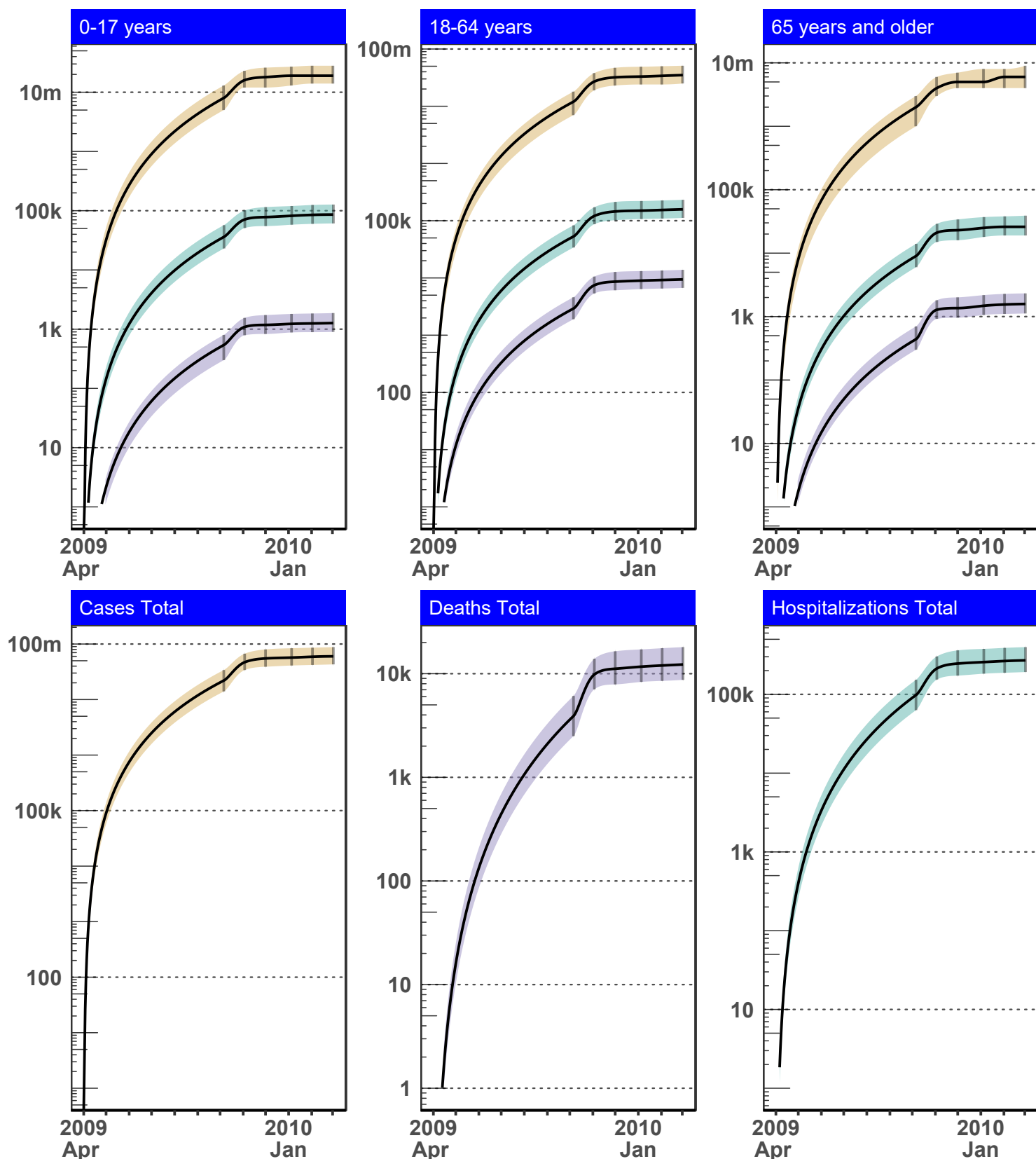
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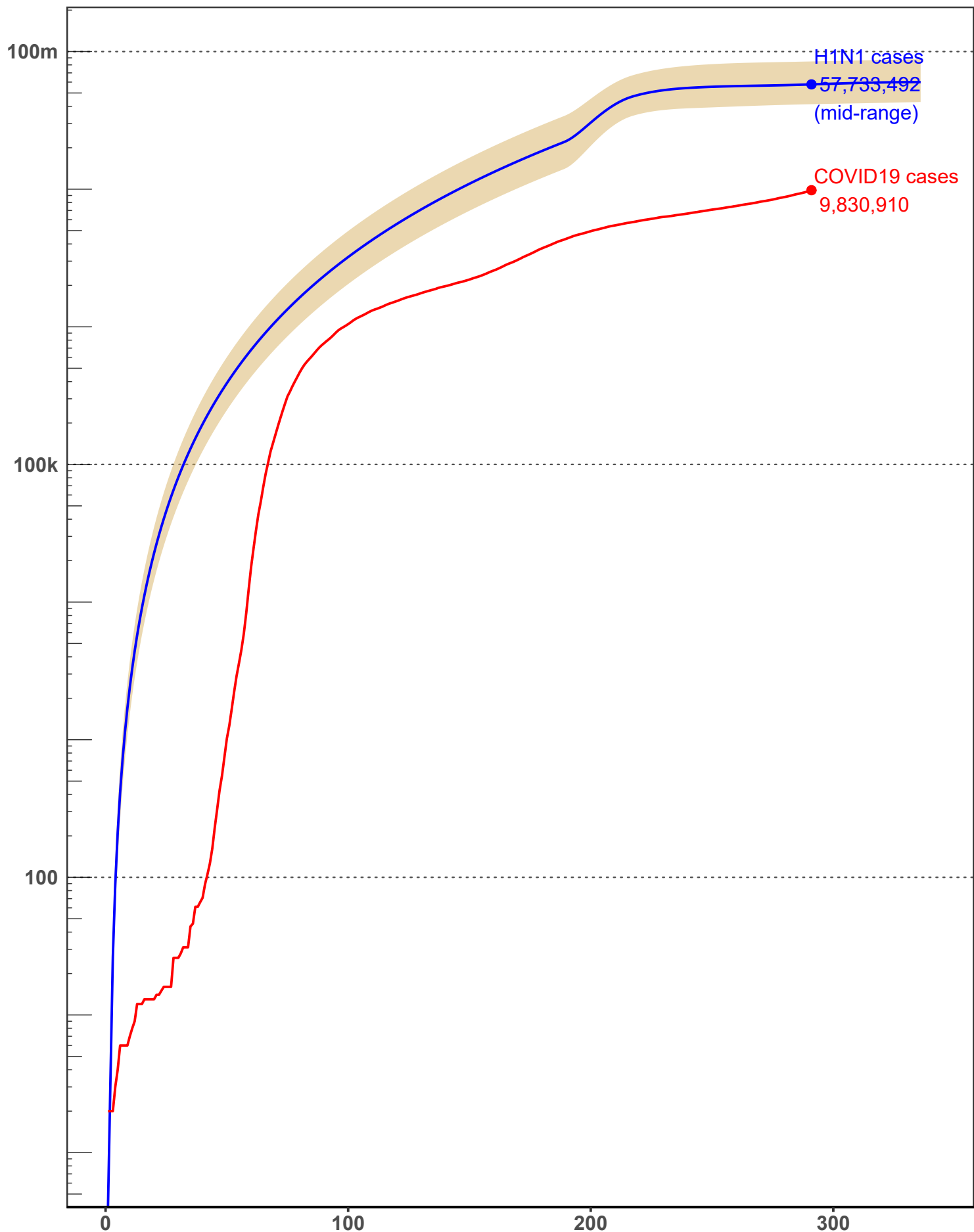
Note: y-axis is in log scale

Source: https://www.cdc.gov/h1n1flu/estimates_2009_h1n1.htm (H1N1)

First case was reported on April 13, 2009 <https://www.cdc.gov/mmwr/preview/mmwrhtml/mm5815a5.htm>

2009 H1N1 cumulative cases by day vs Covid-19

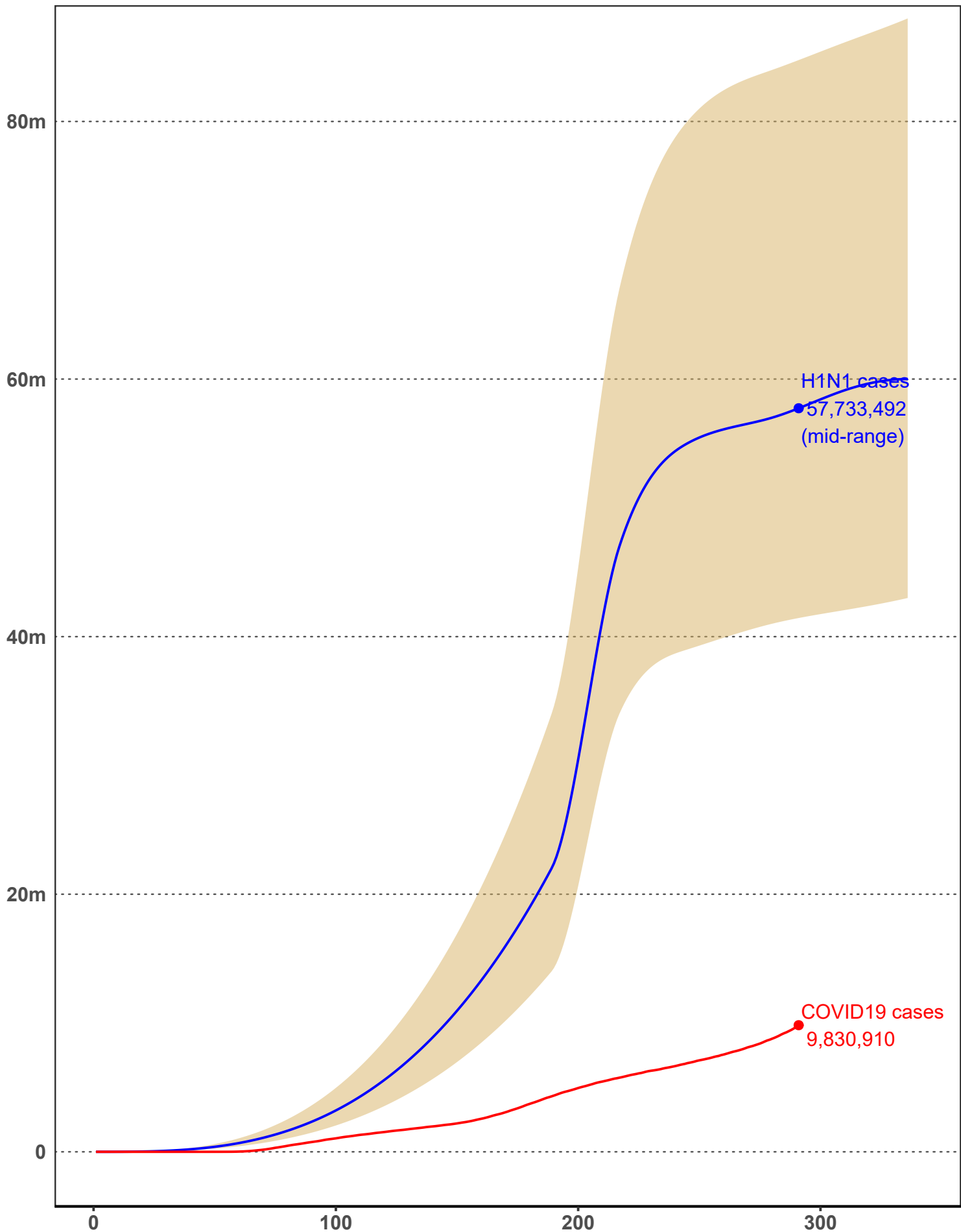
291 days after the first case



Note: y-axis is in log scale
Sources: The New York Times, <https://github.com/nytimes/covid-19-data> accessed 2020-11-07 (Covid19);
https://www.cdc.gov/h1n1flu/estimates_2009_h1n1.htm (H1N1)

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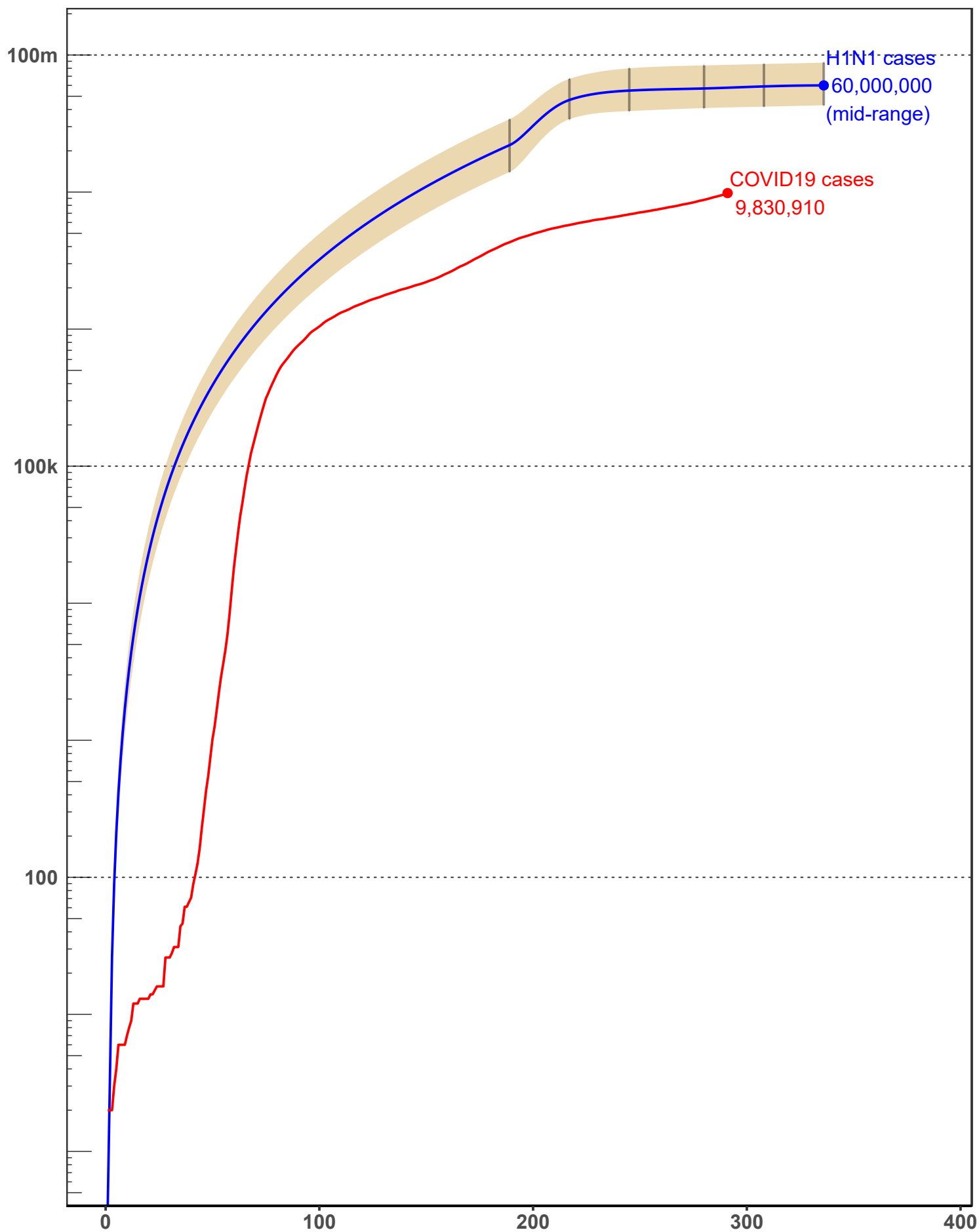
291 days after the first case



Sources: The New York Times, <https://github.com/nytimes/covid-19-data> accessed 2020-11-07 (Covid19); https://www.cdc.gov/h1n1flu/estimates_2009_h1n1.htm (H1N1)

2009 H1N1 cumulative cases by day vs Covid-19

336 days after the first case

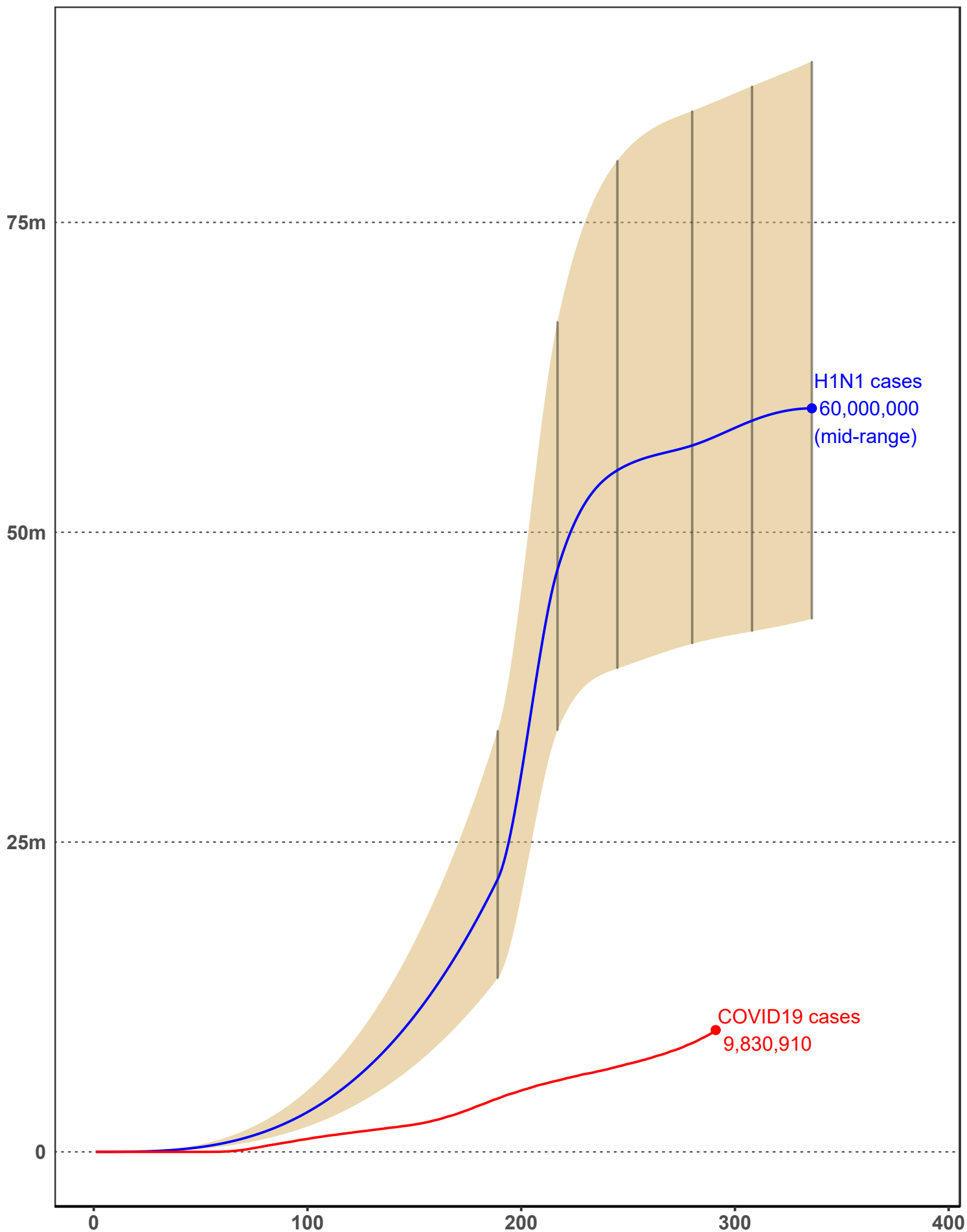


Note: y-axis is in log scale

Sources: The New York Times, <https://github.com/nytimes/covid-19-data> accessed 2020-11-07 (Covid19);
https://www.cdc.gov/h1n1flu/estimates_2009_h1n1.htm (H1N1)

2009 H1N1 cumulative cases by day vs Covid-19

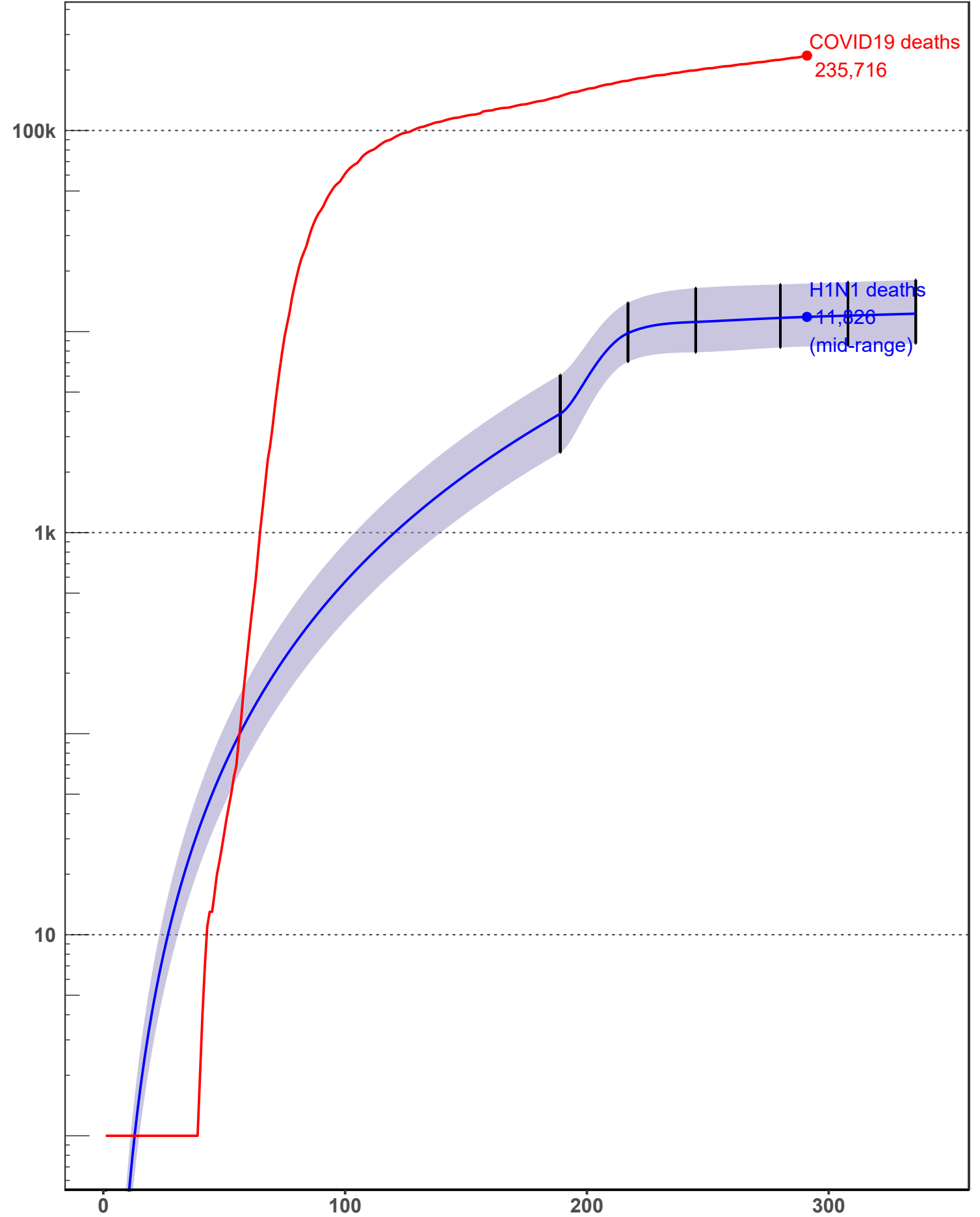
336 days after the first case



Sources: The New York Times, <https://github.com/nytimes/covid-19-data> accessed 2020-11-07 (Covid19); https://www.cdc.gov/h1n1flu/estimates_2009_h1n1.htm (H1N1)

2009 H1N1 estimated deaths by day vs Covid-19 deaths

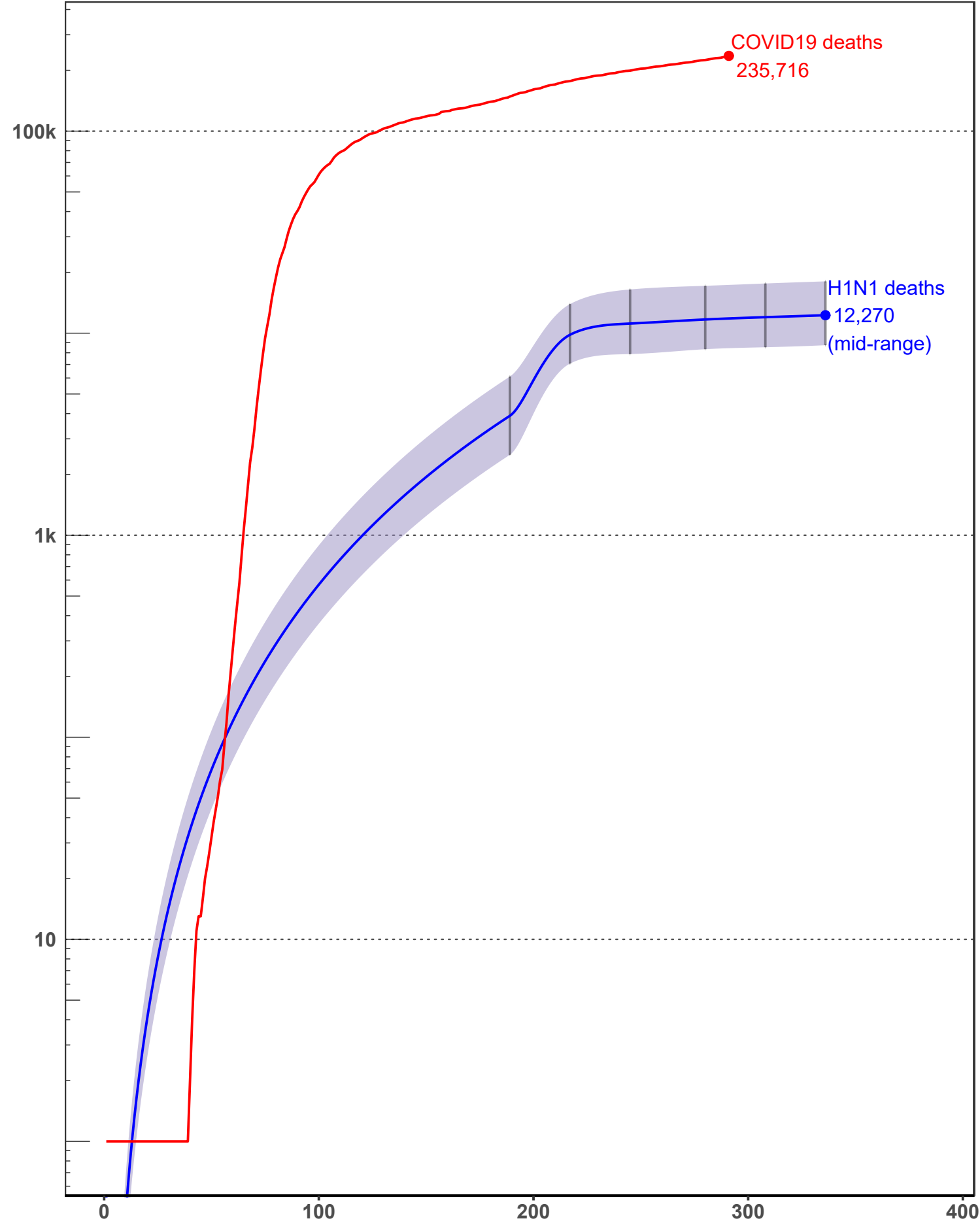
291 days after the first case



Note: y-axis is in log scale
Sources: The New York Times, <https://github.com/nytimes/covid-19-data> accessed 2020-11-07 (Covid19);
https://www.cdc.gov/h1n1flu/estimates_2009_h1n1.htm (H1N1)

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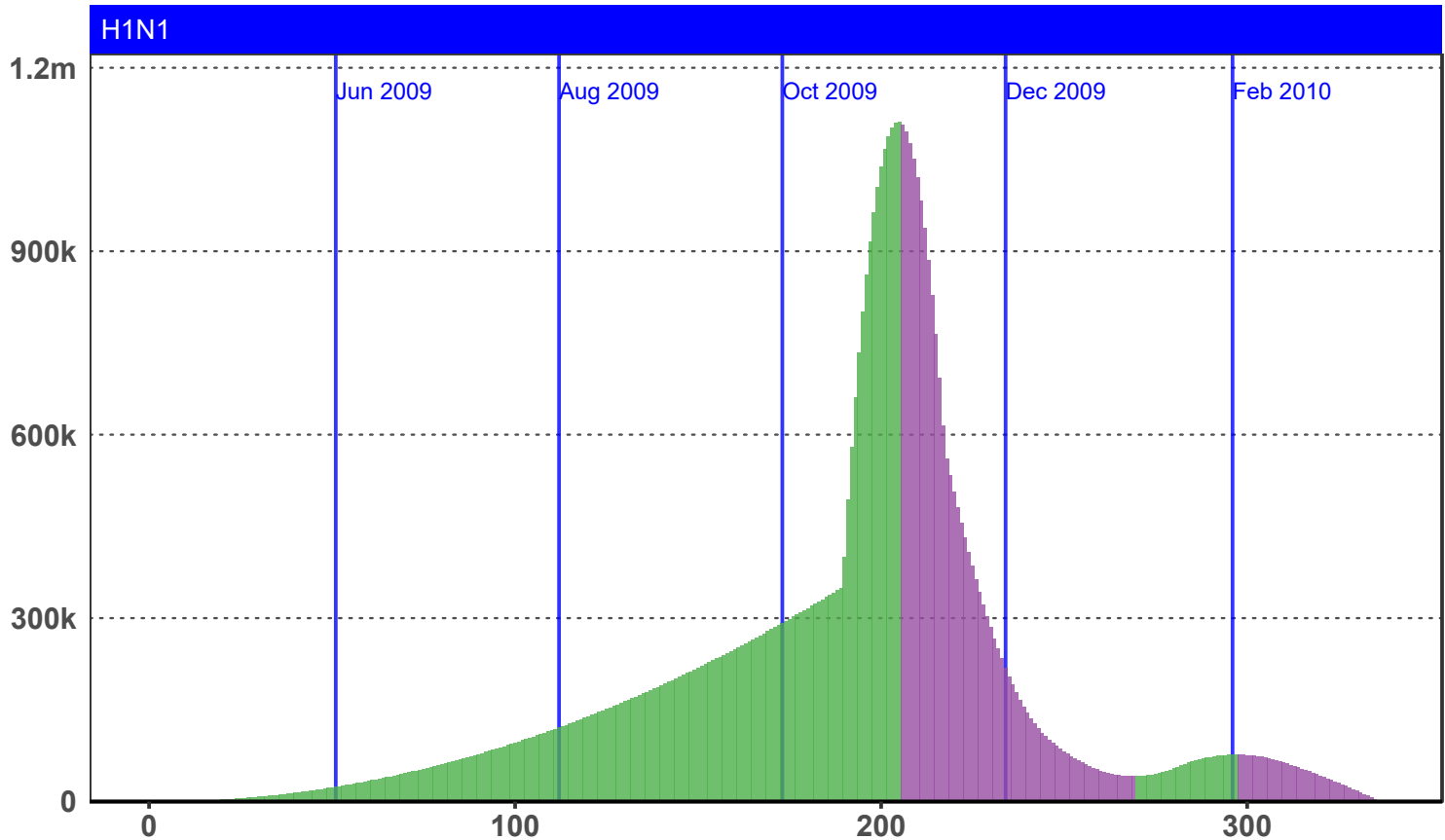
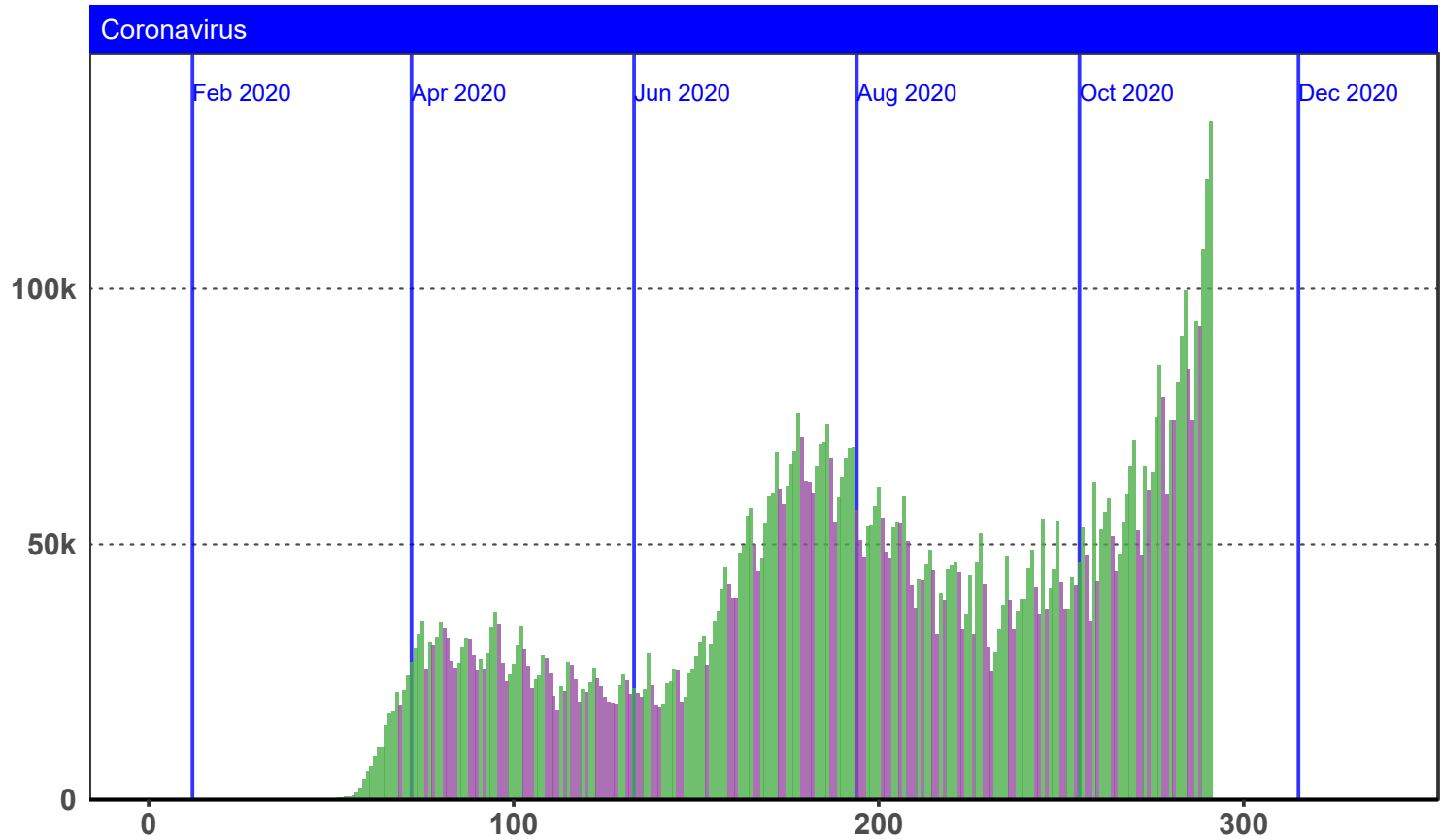
Sources: The New York Times, <https://github.com/nytimes/covid-19-data> accessed 2020-11-07 (Covid19); https://www.cdc.gov/h1n1flu/estimates_2009_h1n1.htm (H1N1)

2009 H1N1 new cases by day vs Covid-19 cases

336 days after the first case

Vertical blue lines are for reference and placed every two months after the first case for each pandemic

Change Type ■ Decreased ■ Increased ■ Unchanged ■ Other



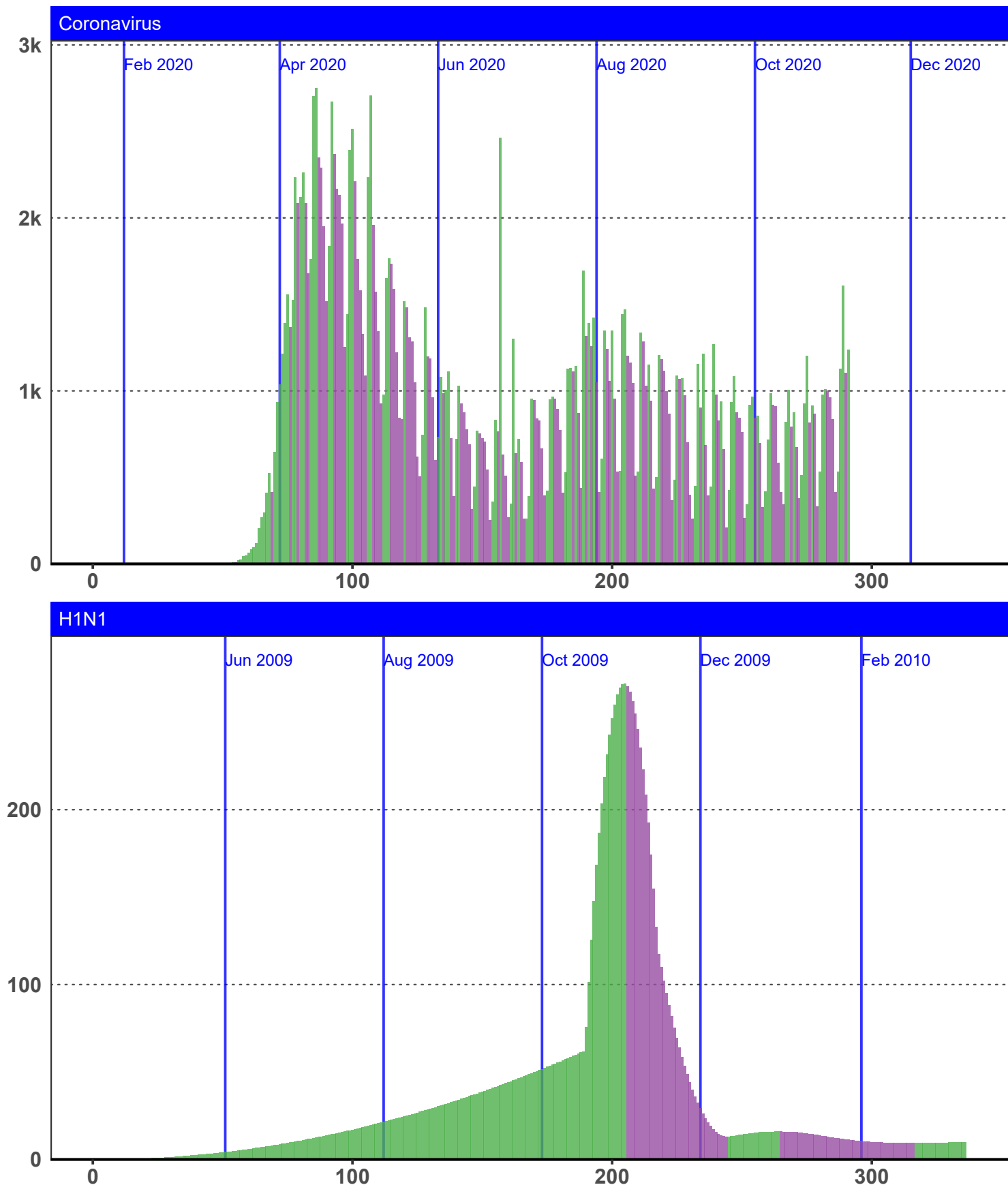
Sources: The New York Times, <https://github.com/nytimes/covid-19-data> accessed 2020-11-07 (Covid19); https://www.cdc.gov/h1n1flu/estimates_2009_h1n1.htm (H1N1)

2009 H1N1 new deaths by day vs Covid-19 deaths

336 days after the first case

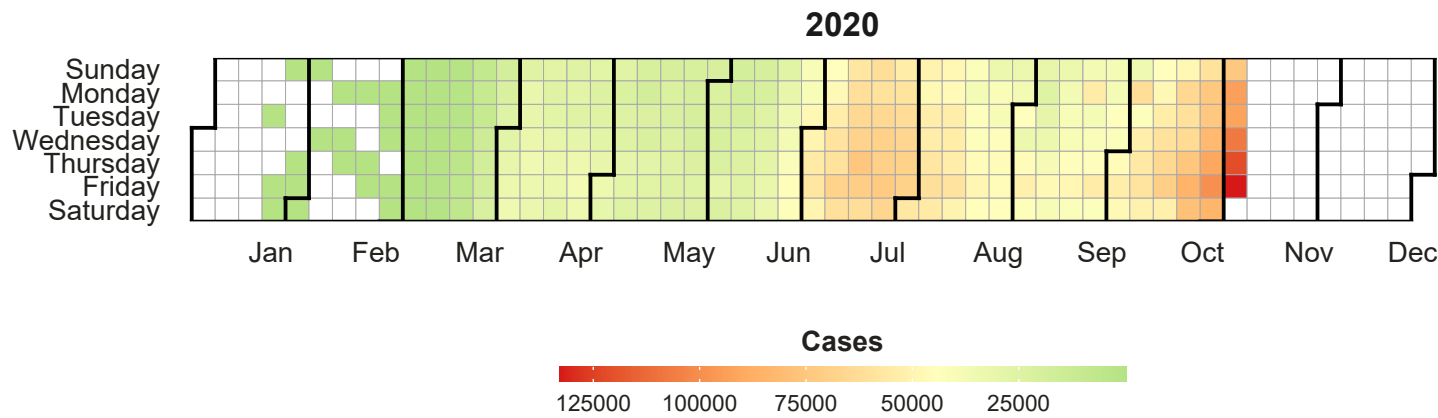
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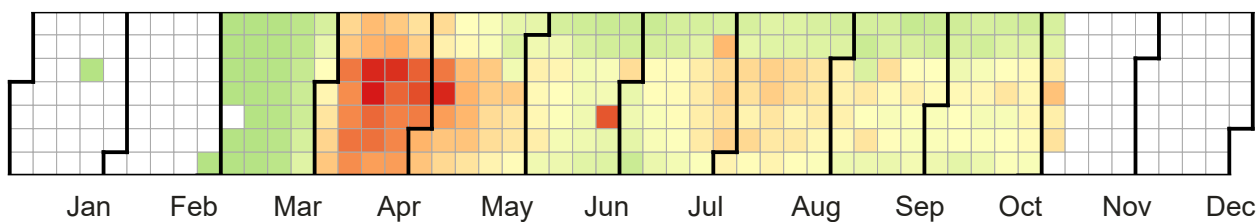
COVID 19 Cases in the US



COVID 19 Deaths in the US

2020

Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday



Deaths

2000

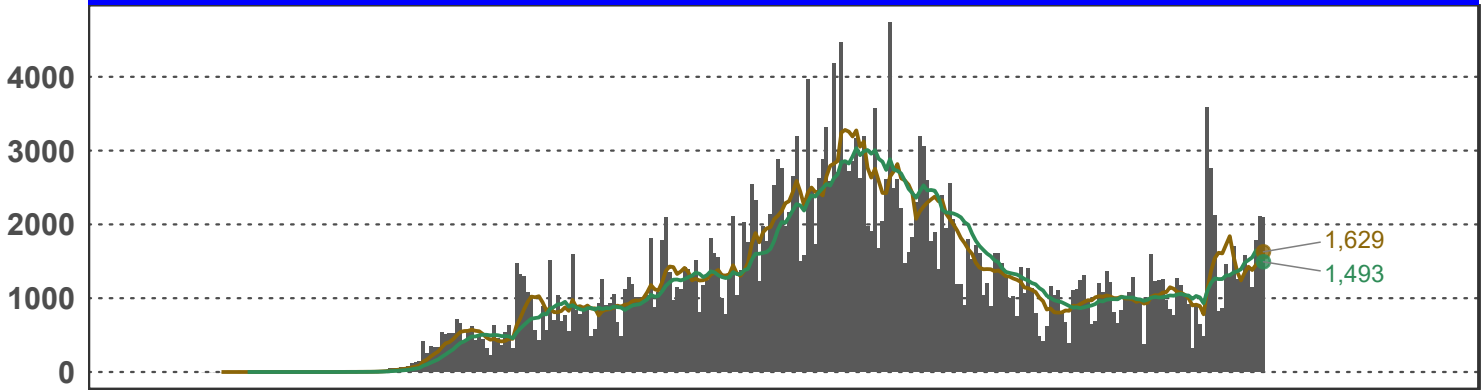
1000

Rates by Counties

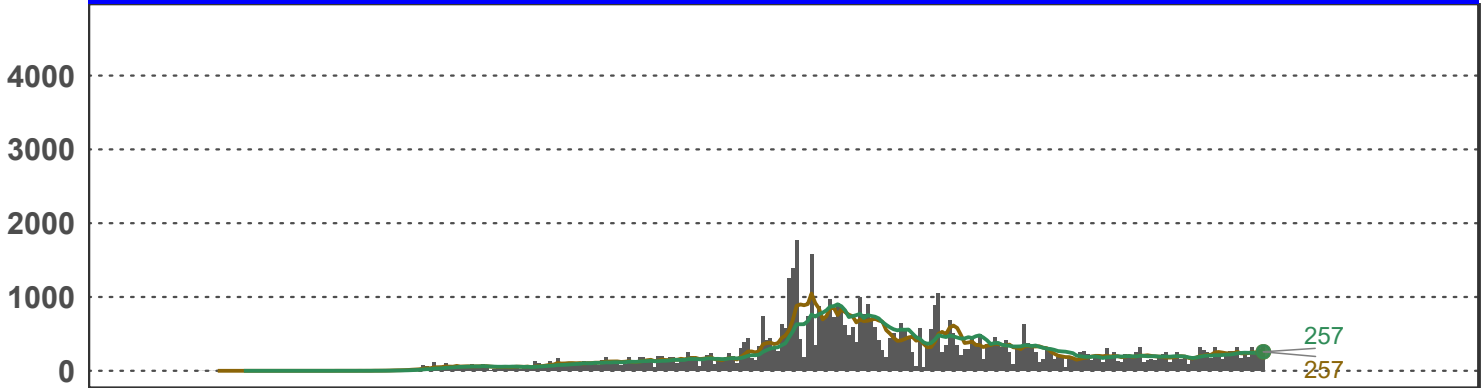
New cases, 7 and 14 days rolling average

variable ● rollingMean07Day ● rollingMean14Day

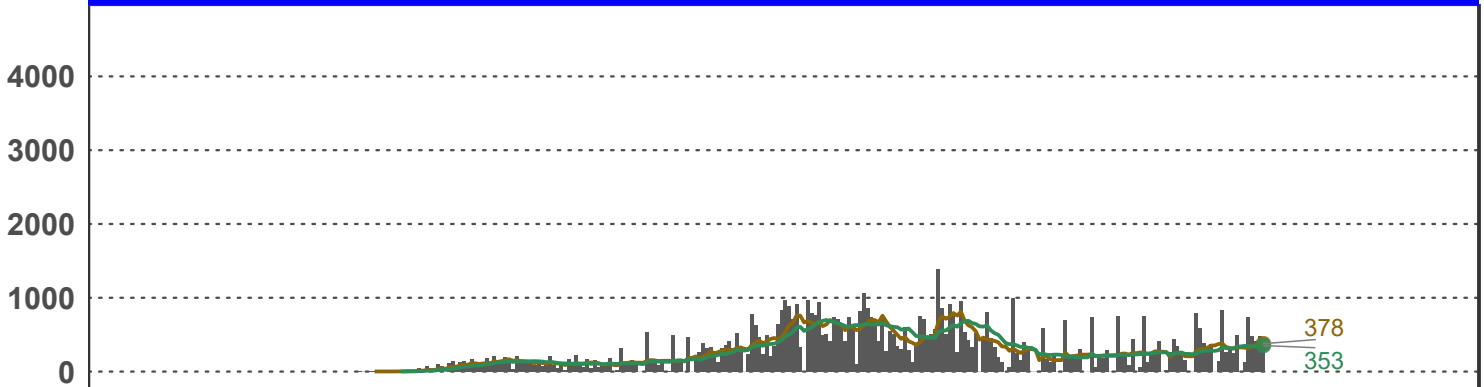
Los Angeles



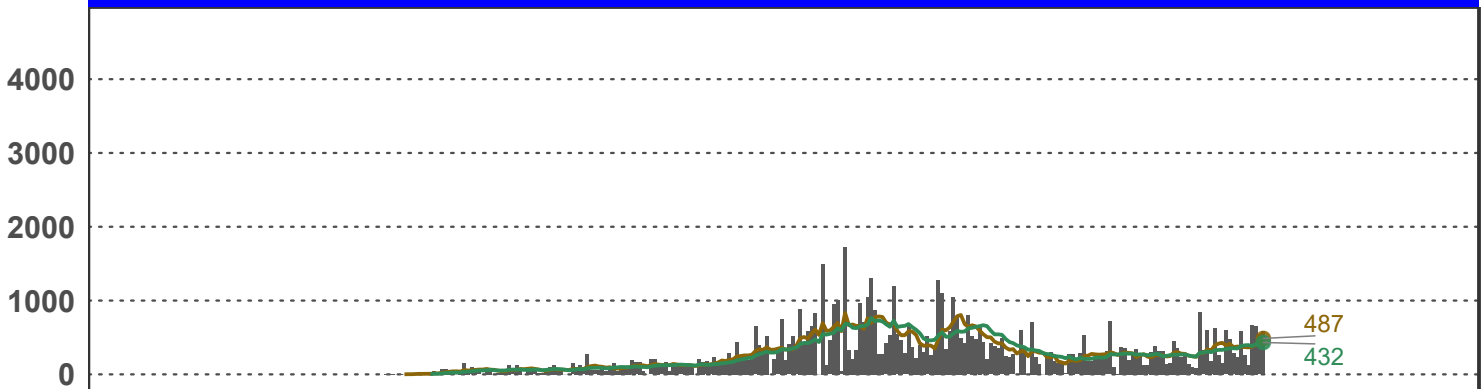
Orange



Riverside



San Bernardino



Jan 2020

Apr 2020

Jul 2020

Oct 2020

Jan 2021

Sources: The New York Times, <https://github.com/nytimes/covid-19-data> accessed 2020-11-07 (Covid19)

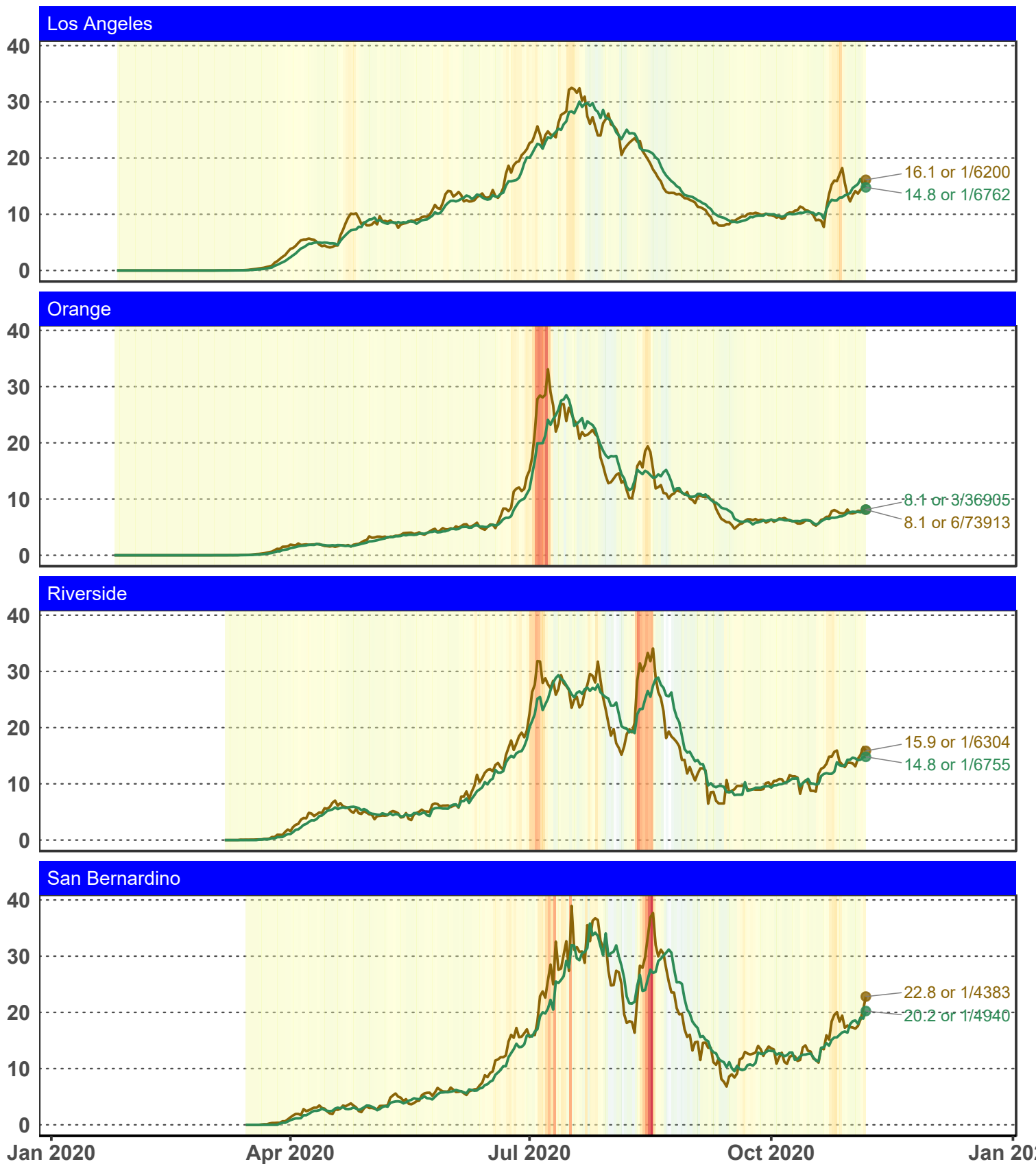
Rates by Counties by 100K population

New cases, 7 and 14 days rolling average

Difference between
7 and 14 days rolling average



Rolling Average — 7-day — 14-day

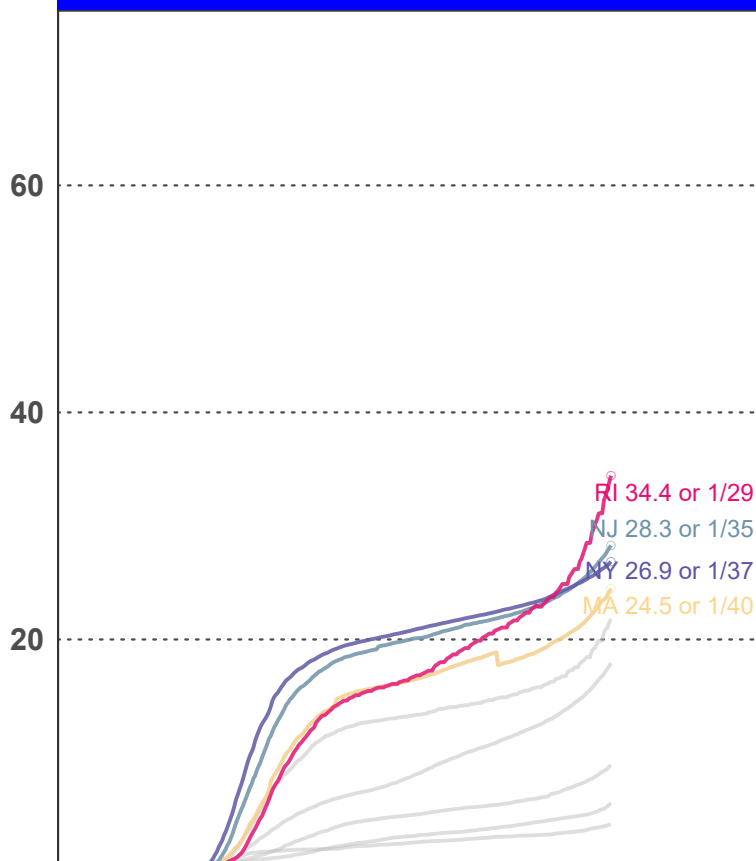


Sources: The New York Times, <https://github.com/nytimes/covid-19-data> accessed 2020-11-07 (Covid19)

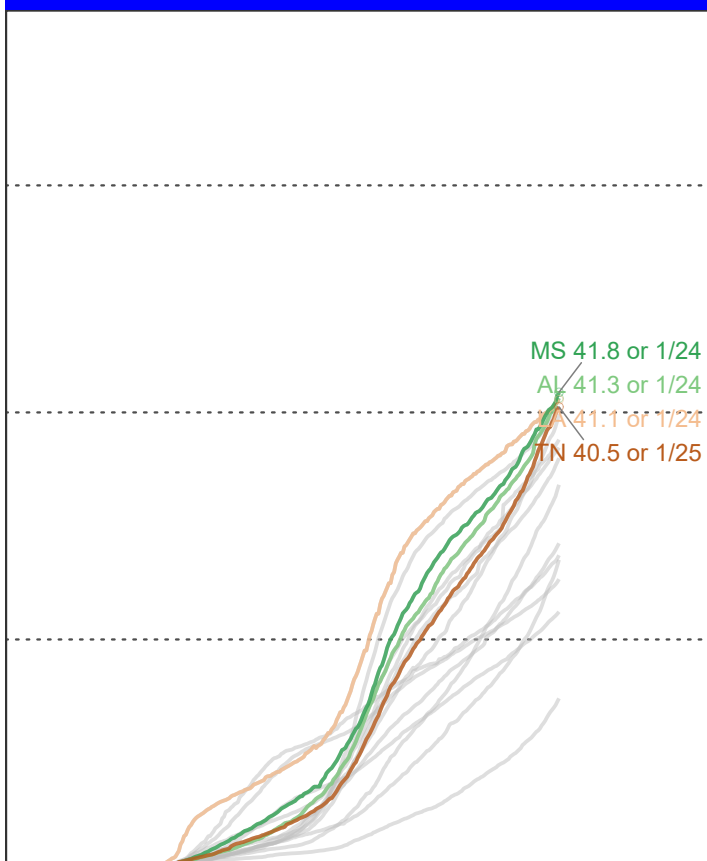
Cummulative cases per 1k persons by state region

the four highest states by region are highlighted

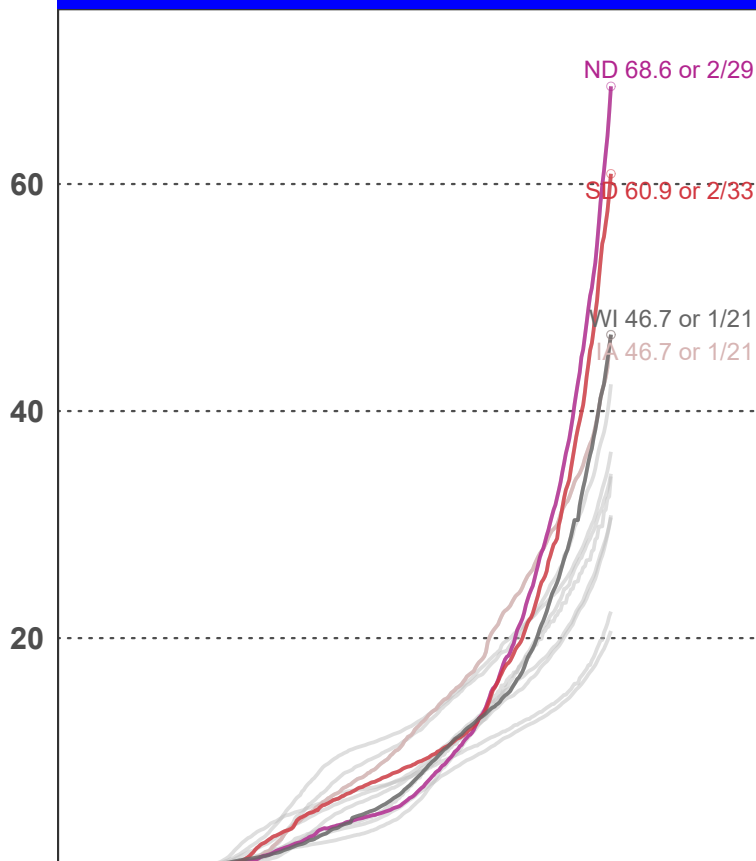
Northeast



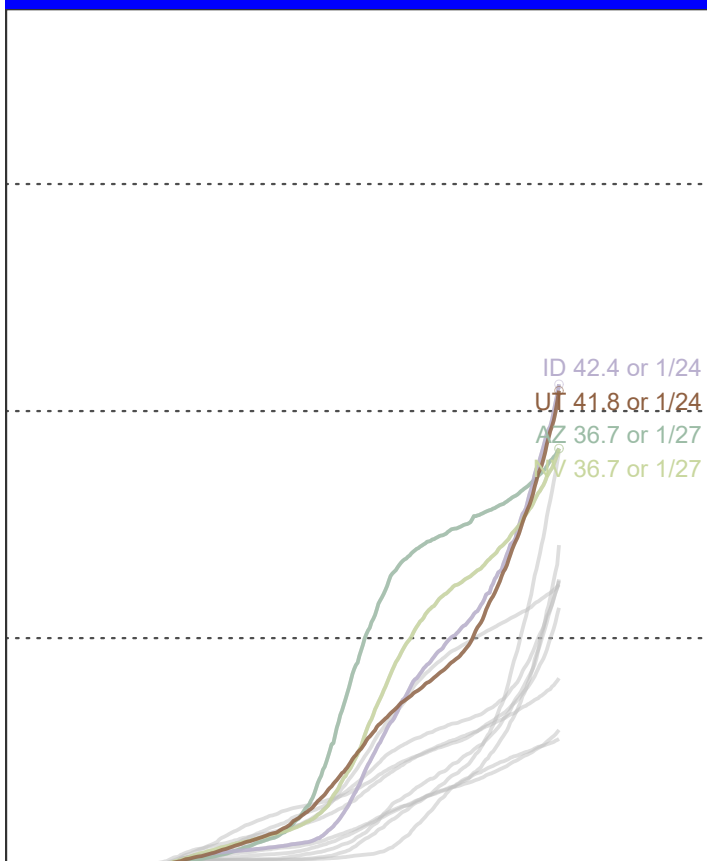
South



North Central

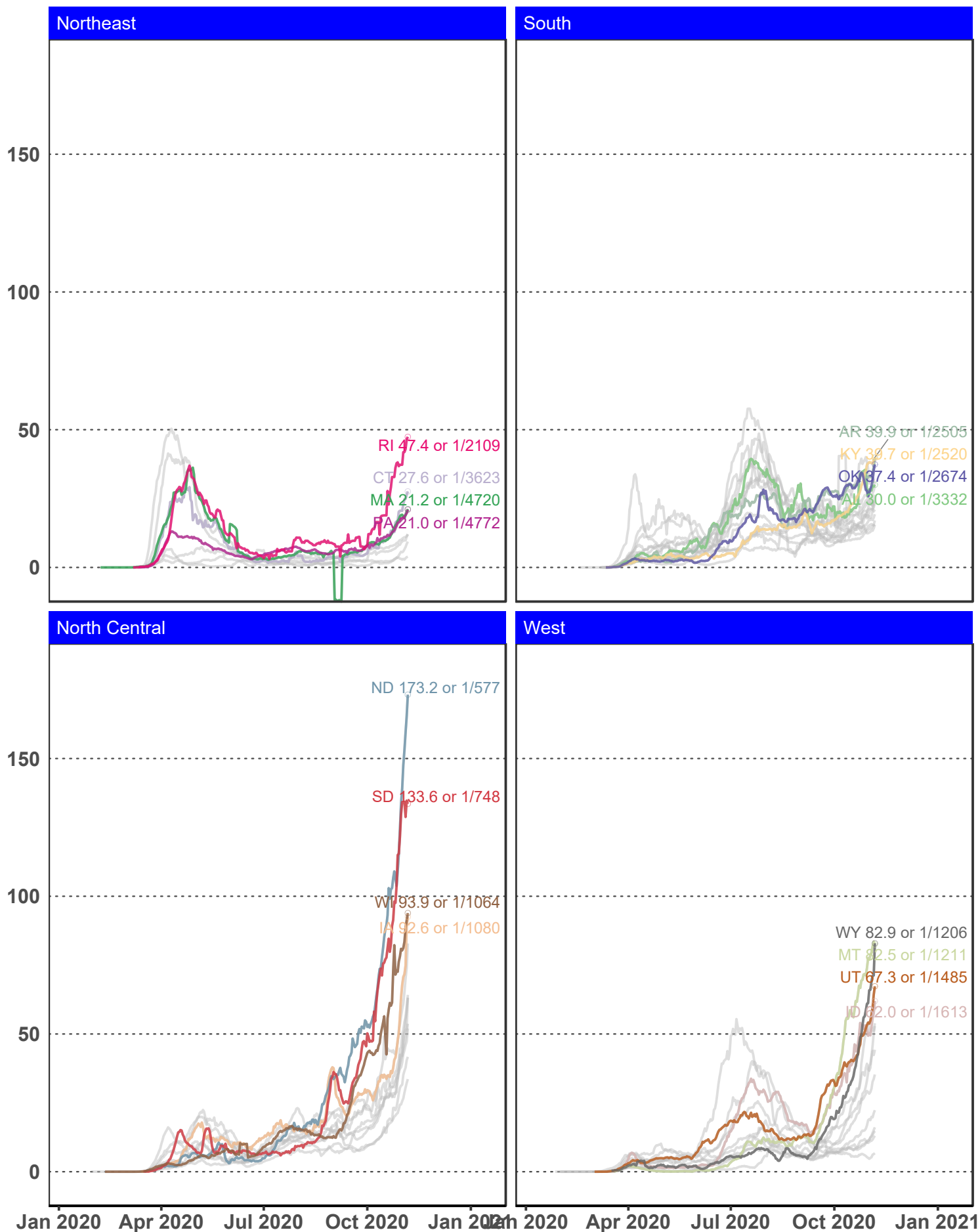


West



7-day rolling average of daily cases per 100k persons by state region

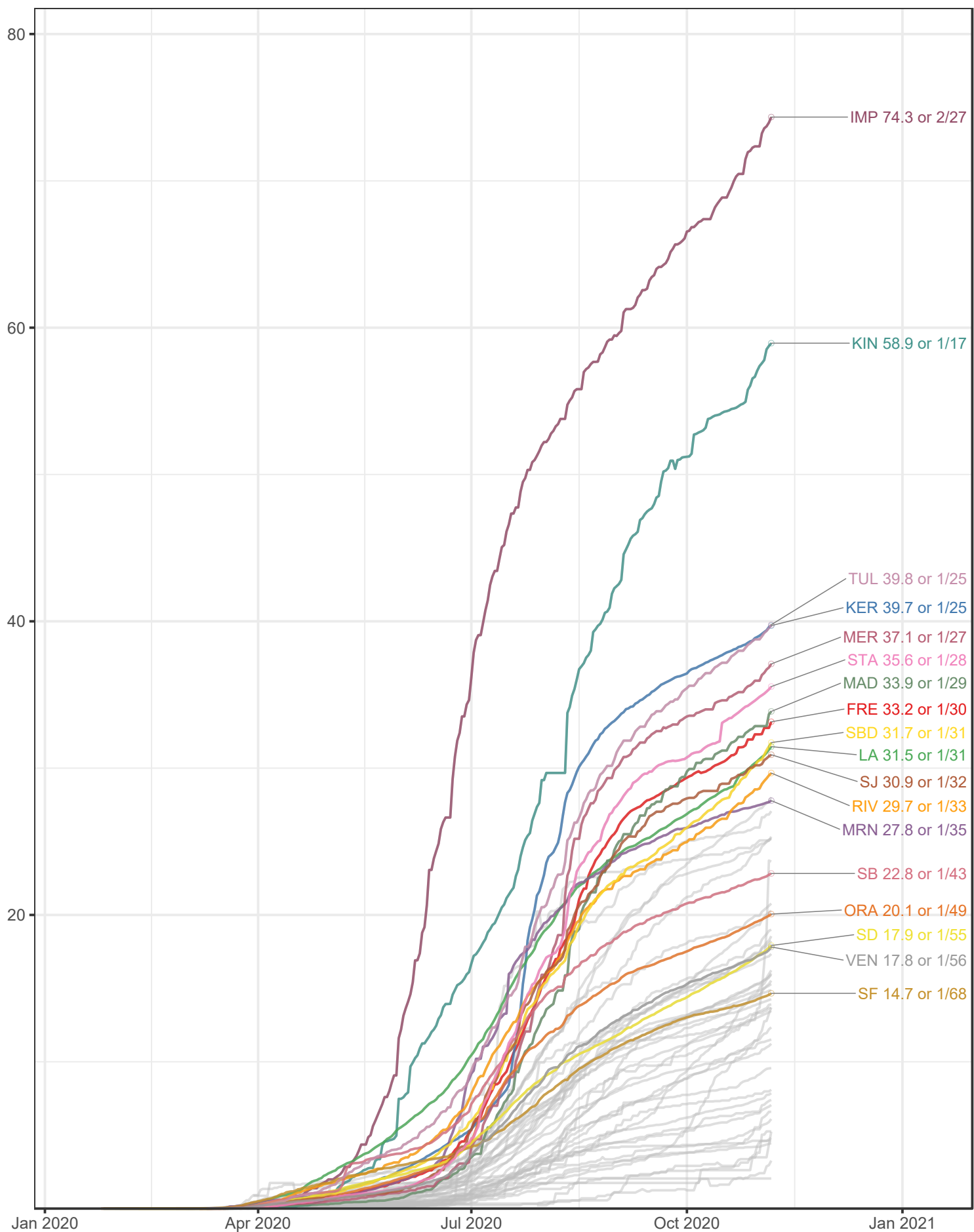
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Sources: The New York Times, <https://github.com/nytimes/covid-19-data> accessed 2020-11-07 (Covid19)
 U.S. Census Bureau; American Community Survey, 2014-2018 5-year Estimates,
 Table B01003_001 TOTAL POPULATION; generated with tidycensus R package.

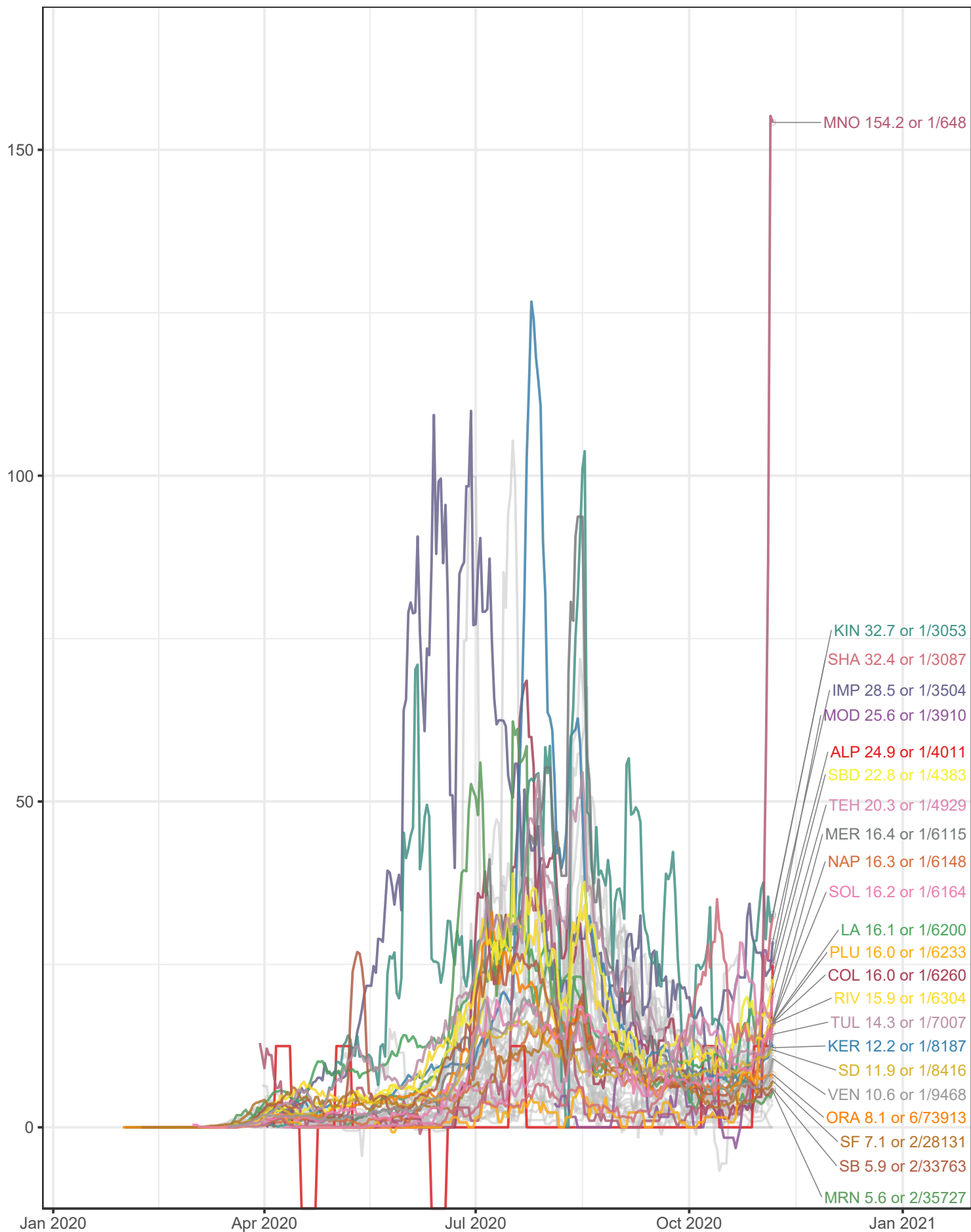
Cumulative cases per 1k persons for California counties

selected counties highlighted



7-day rolling average of daily cases per 100k persons by California counties

selected counties highlighted



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