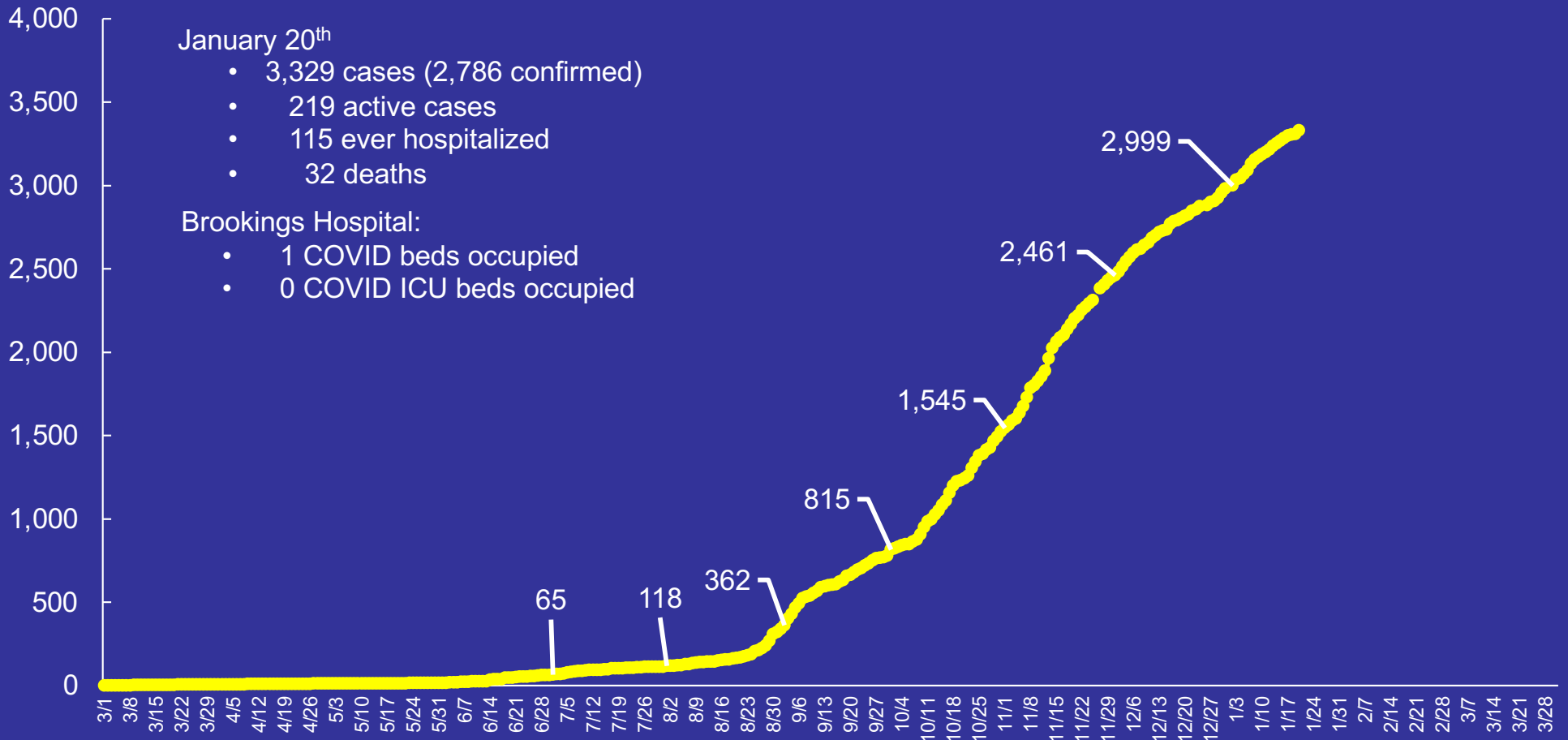


COVID-19 Situation

Brookings County

Brookings Situation

Number of Confirmed & Probable COVID-19 Cases



Numbers given for the first of the month beginning in July.

Confirmed = PCR test; Probable = antigen tests

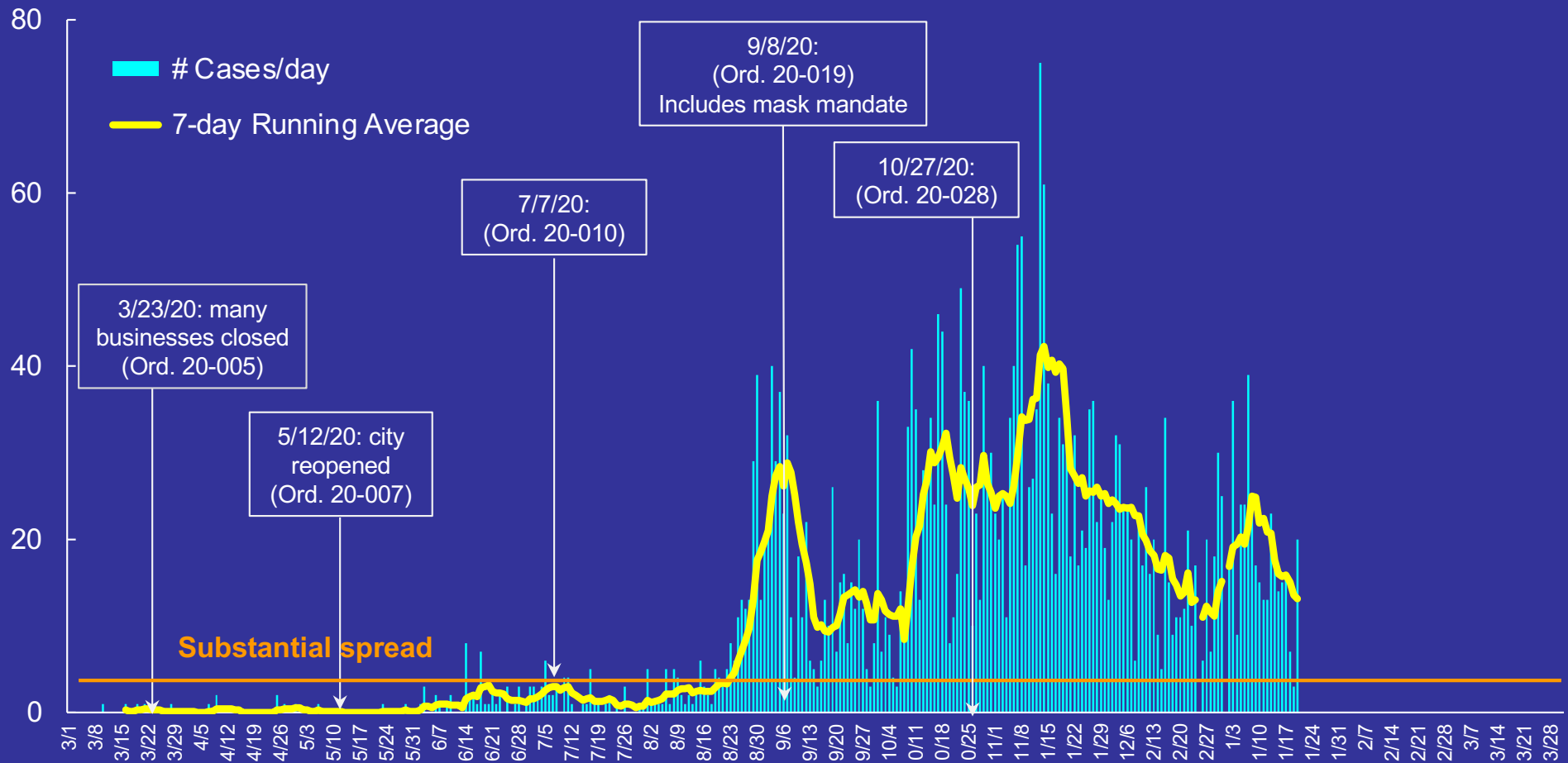
Data were reported to DOH on previous day.

No SDDOH data update on 11/26, 12/25 & 1/1.

Brookings COVID-19 Situation

Number of Confirmed & Probable COVID-19 Cases by Day

Current Level of Community Spread[^]: **substantial**



Substantial spread = 100+ new cases per week/100,000 population or 34 cases/week or 5 cases/day for Brookings County.

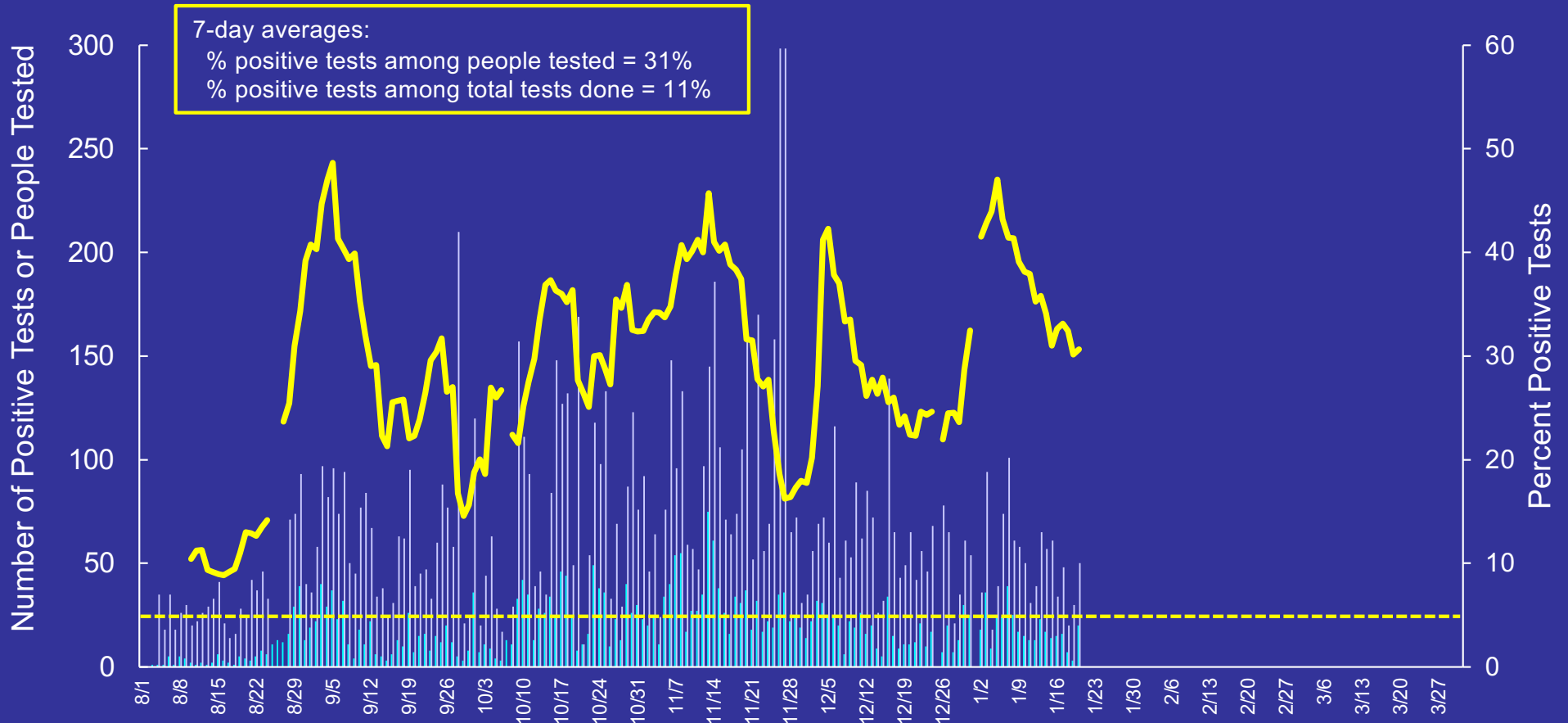
No SDDOH data update on 11/26, 12/25 & 1/1; data reported 11/27 was divided between 11/26 & 11/27.

For description of ordinances visit: <https://cityofbrookings.org/699/Guidelines-Ordinance-Information>

Brookings COVID-19 Situation

Percentage of Positive Tests (PCR + Antigen)

■ Number Positive ■ Daily total of people tested — 7-day average of % positive tests[^]



No SDDOH data update on 11/26, 12/26 & 1/1; data reported 11/27 was divided equally between 11/26 & 11/27

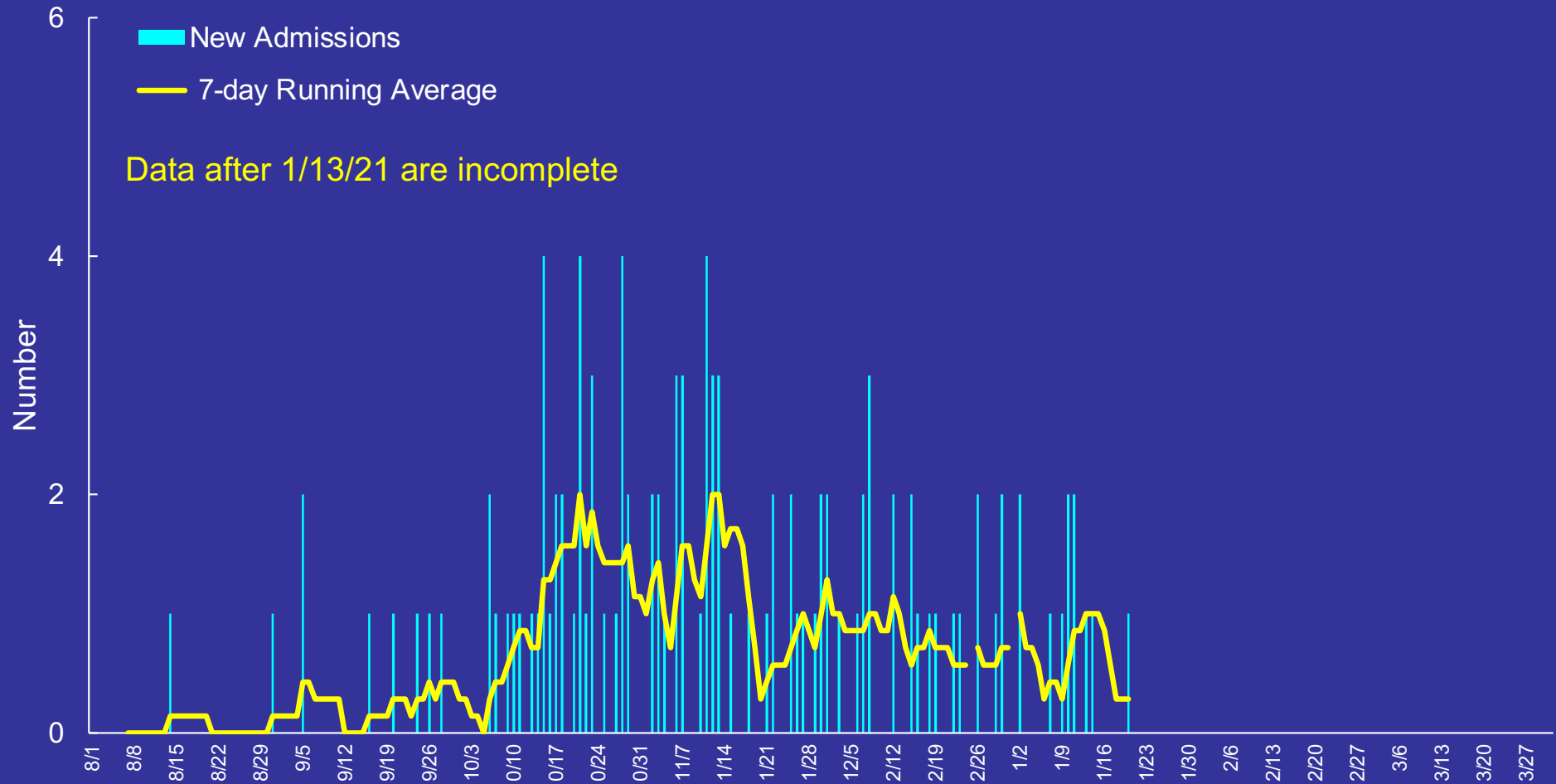
[^] Calculated as $\text{sum of 7-days of previous positive cases} / \text{sum of 7-days of total tests completed} * 100$. Duplicate tests on same individual not included. Used total cases and total persons tested on DOH website (includes sentinel & surveillance samples). Only positive cases available on 8/25-8/27/20. Antigen tests added on 10/7/20 and included past tests so test positivity not calculated for 10/7/20.

The rate of positivity provides insight into whether enough testing is being conducted. If positivity is high, it suggests that the sickest are being tested and milder or asymptomatic cases may be missed. The WHO has said that in countries that have extensive testing for COVID-19, percent positive should remain at 5% or lower for at least 14 days.

<https://doh.sd.gov/COVID/Dashboard.aspx>
<https://coronavirus.jhu.edu/testing>

Brookings COVID-19 Situation

Number of New Hospitalizations by Day



Includes only Brookings County residents.

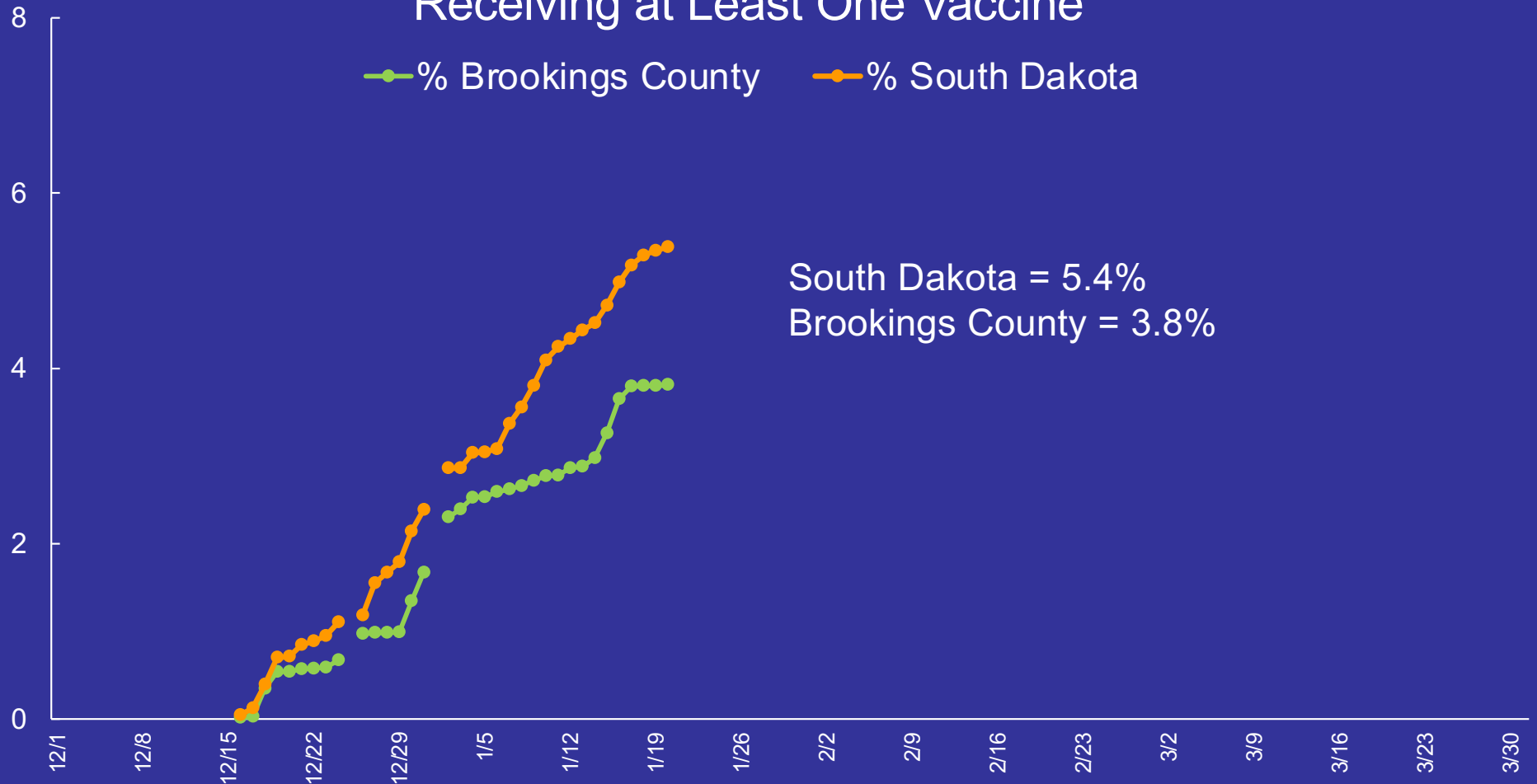
As of August 1st, there were 4 individuals who had been hospitalized since March.

No SDDOH data update on 11/26, 12/26 & 1/1; data reported 11/27 was divided equally between 11/26 & 11/27

<https://doh.sd.gov/COVID/Dashboard.aspx>

Brookings COVID-19 Situation

Percent of Brookings County & South Dakota Residents Receiving at Least One Vaccine



Does not include vaccinations via IHS and VA.

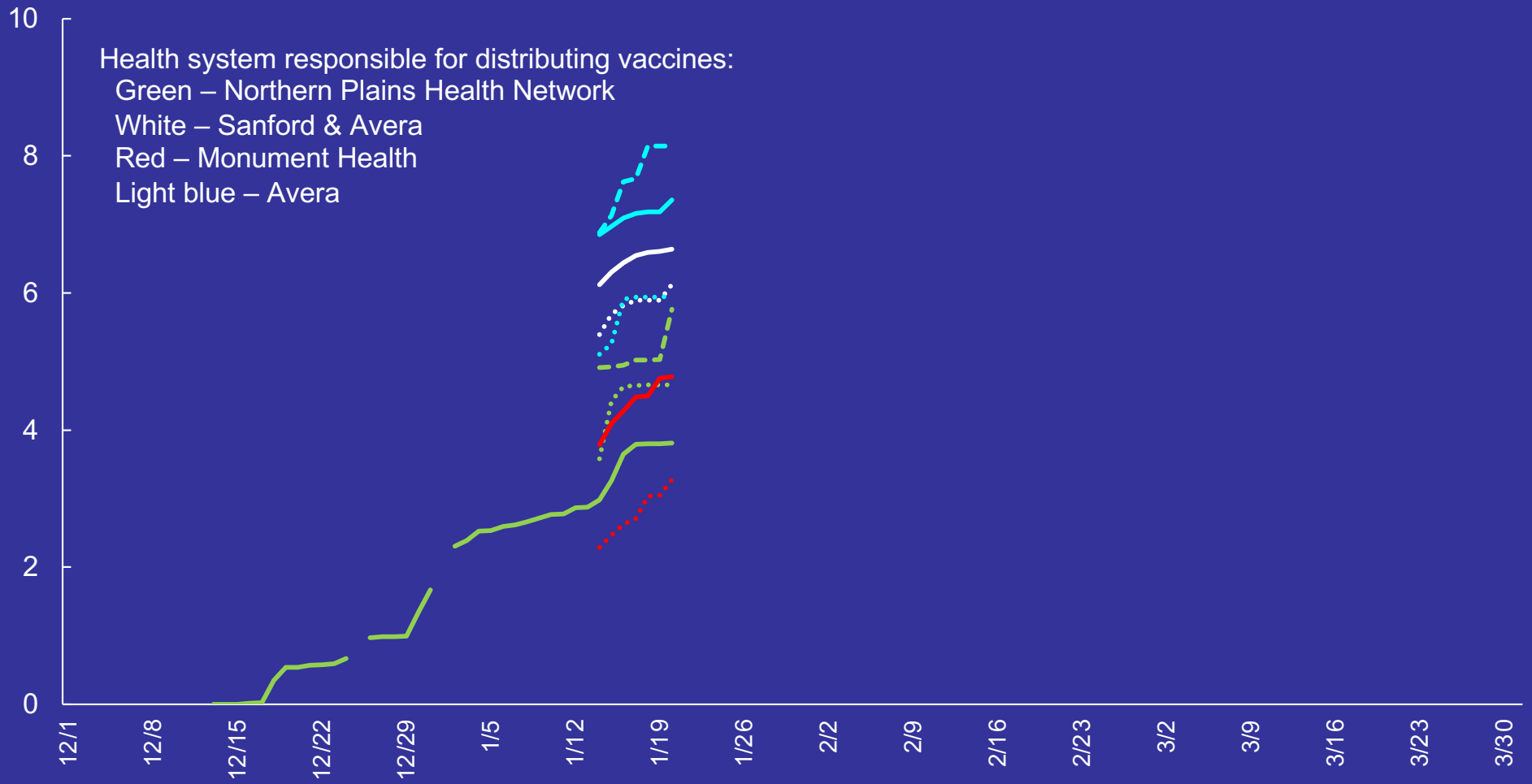
Based on 2019 Census population estimate for Brookings County of 35,077 & for SD of 884,659.

No SDDOH data update on 12/26 & 1/1

Counties with Top 10 Most Populous Cities

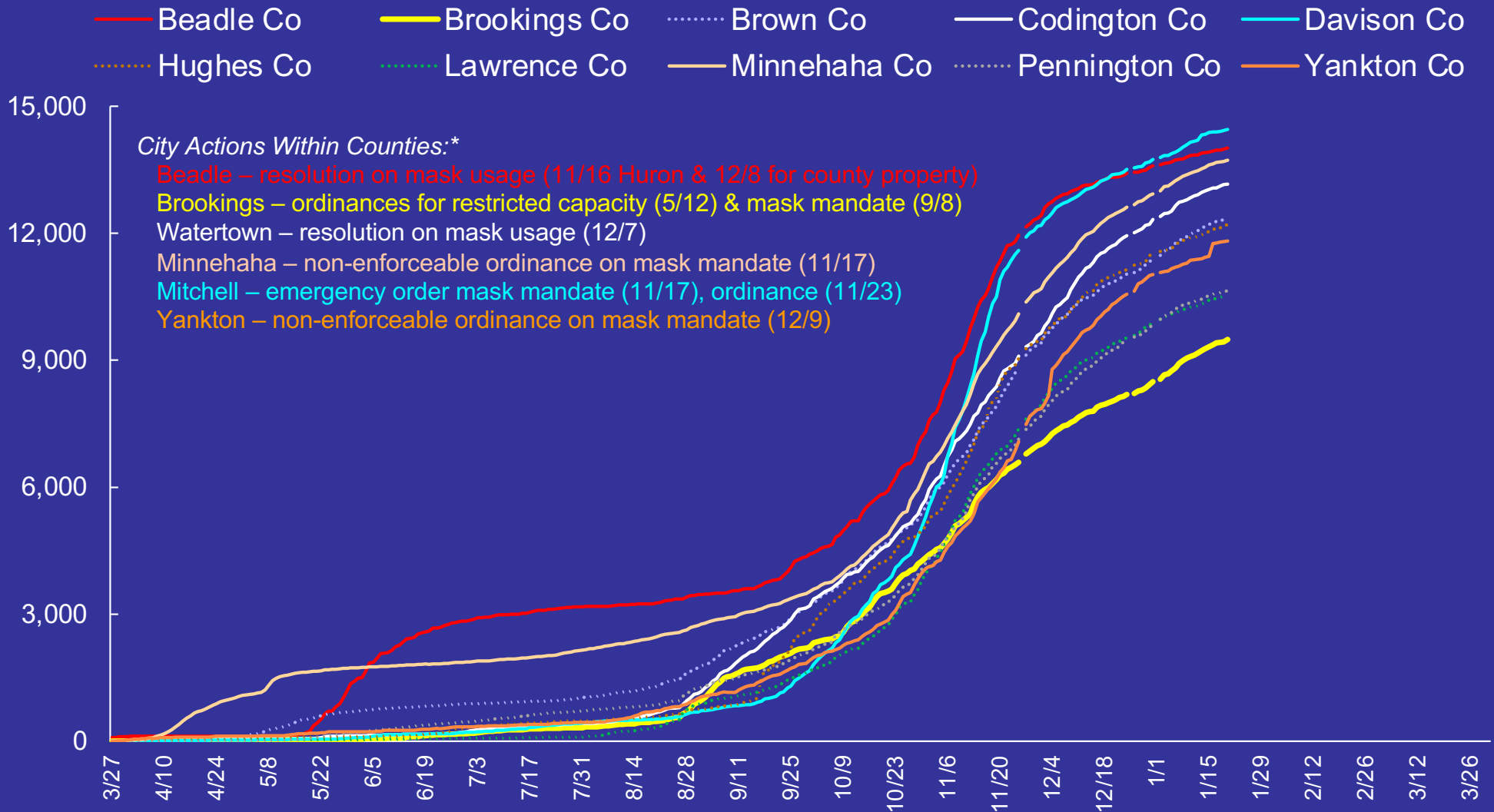
Percent of County Population Receiving at Least One Vaccine

- Beadle Co
- Brookings Co
- Brown Co
- - - - - Codington Co
- Davison Co
- Hughes Co
- Lawrence Co
- Minnehaha Co
- Pennington Co
- - - - - Yankton Co



Counties with Top 10 Most Populous Cities

Cumulative Cases per 100,000 Population

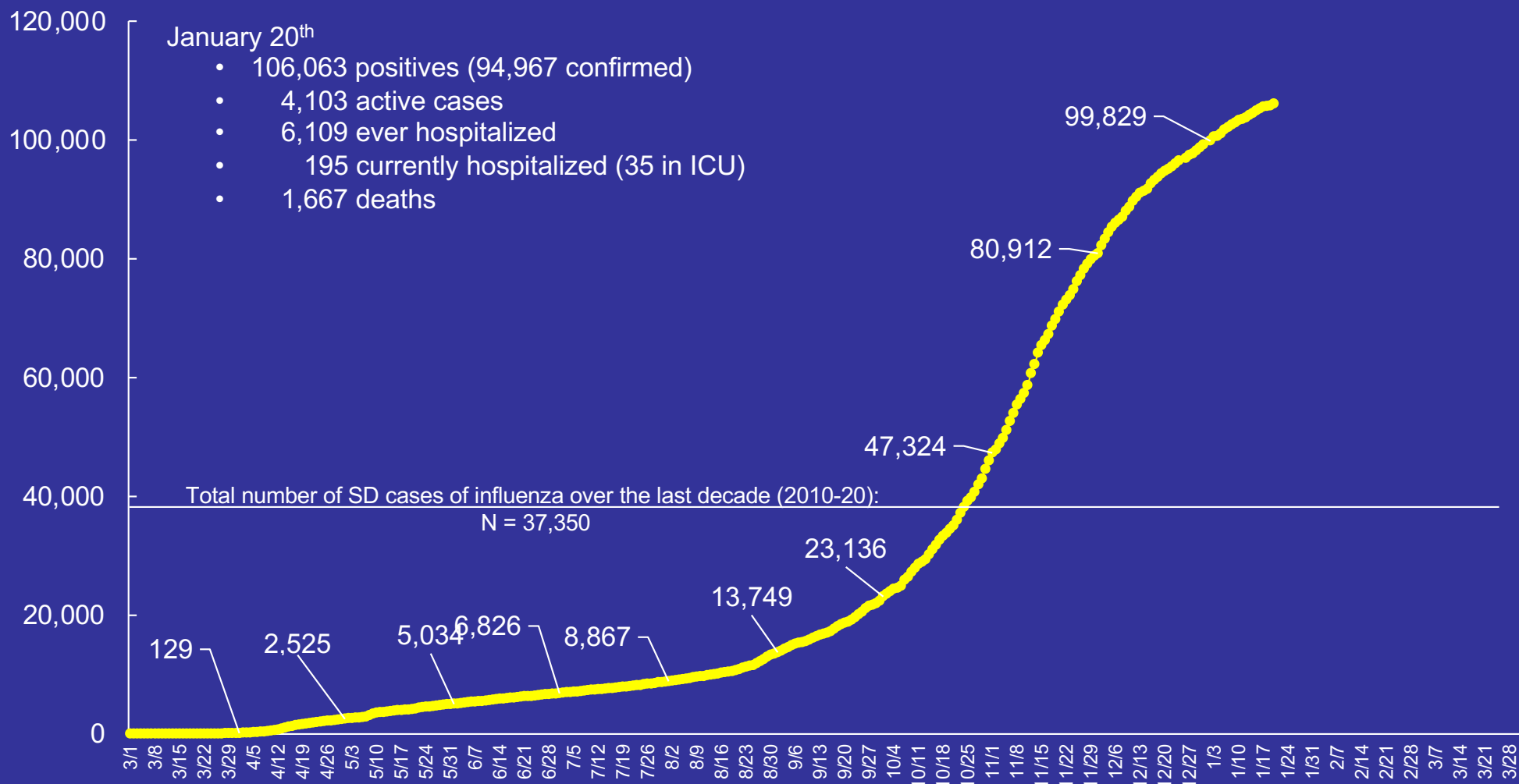


COVID-19 Situation

South Dakota

South Dakota COVID-19 Situation

Cumulative Number of Confirmed & Probable Cases



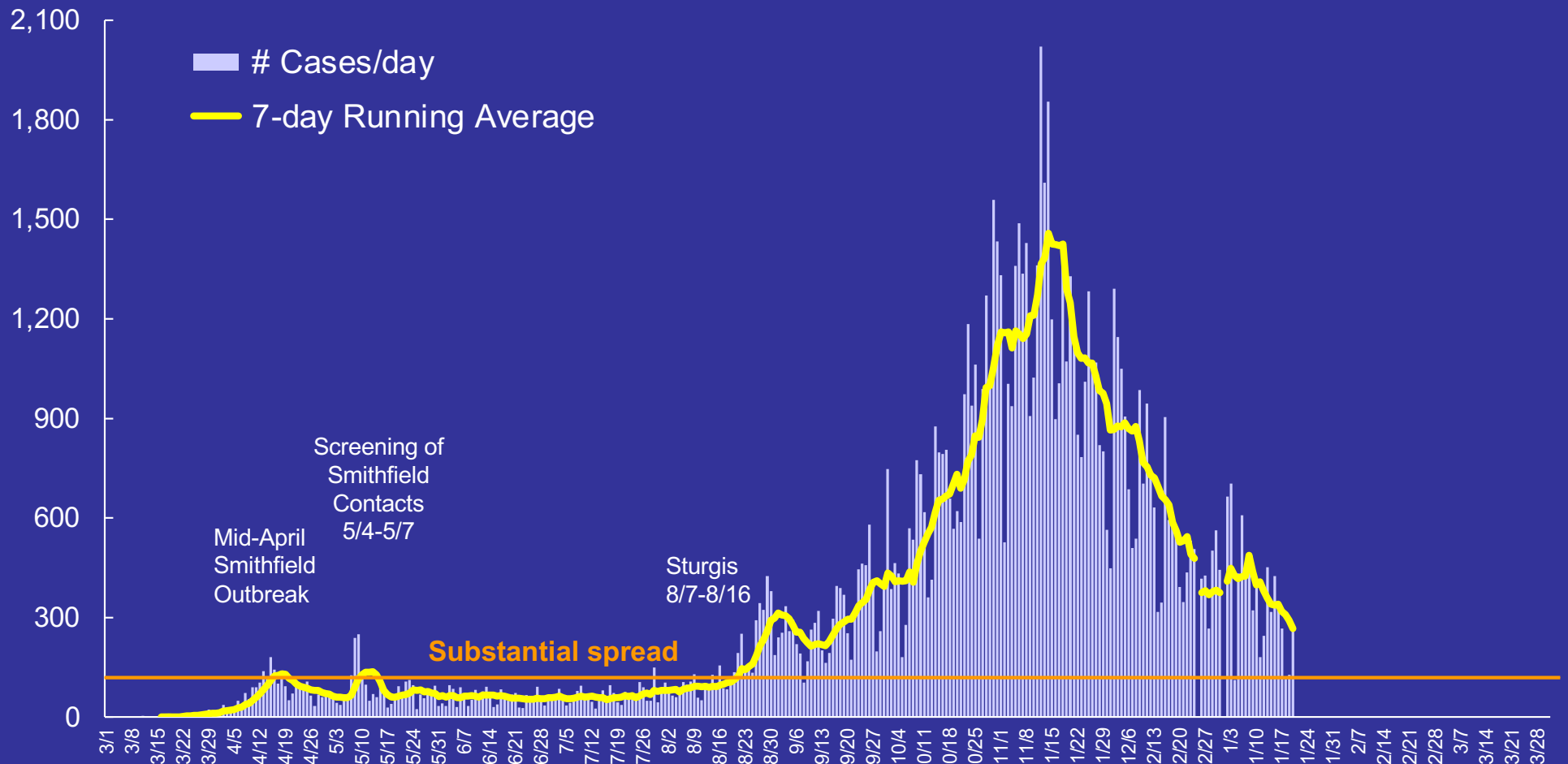
No SDDOH data update on 11/26, 12/25 & 1/1; data reported 11/27 was divided equally between 11/26 & 11/27

Numbers given for the first of the month beginning in April. State residents only

Oct 7: Probable cases added (based on antigen tests), including 427 past positive tests

South Dakota COVID-19 Situation

Number of Confirmed & Probable Cases by Day



Substantial spread = 100+ new cases per week/100,000 population or 864+ cases/week or 123+ cases/day for South Dakota

No SDDOH data update on 11/26, 12/25 & 1/1; data reported 11/27 was divided equally between 11/26 & 11/27

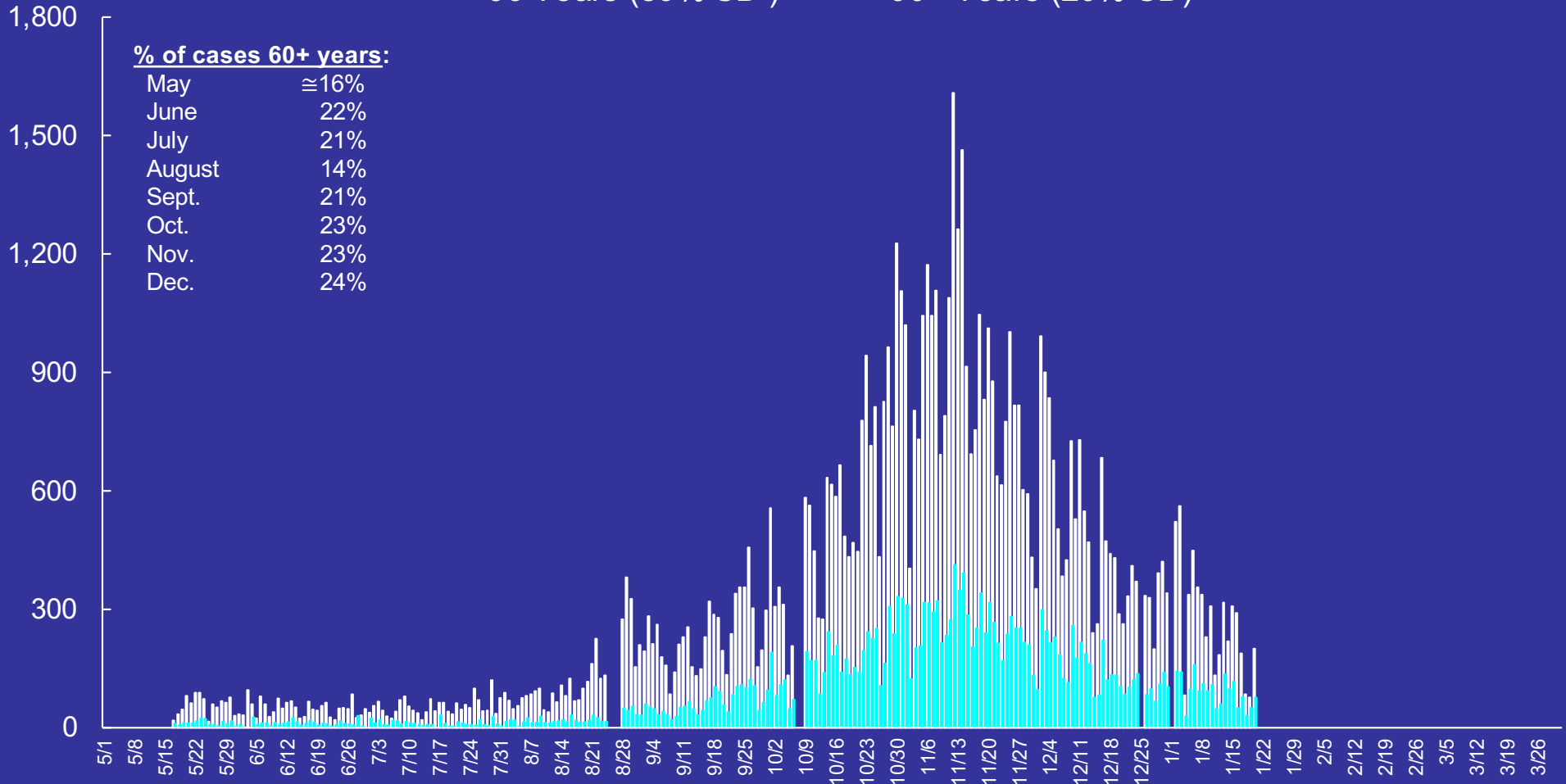
Oct 7: Probable cases added (antigen tests); 426 probable cases diagnosed prior to 10/7 not included in this graph.

South Dakota COVID-19 Situation

Age Distribution

Number of Confirmed & Probable Cases by Age & Day

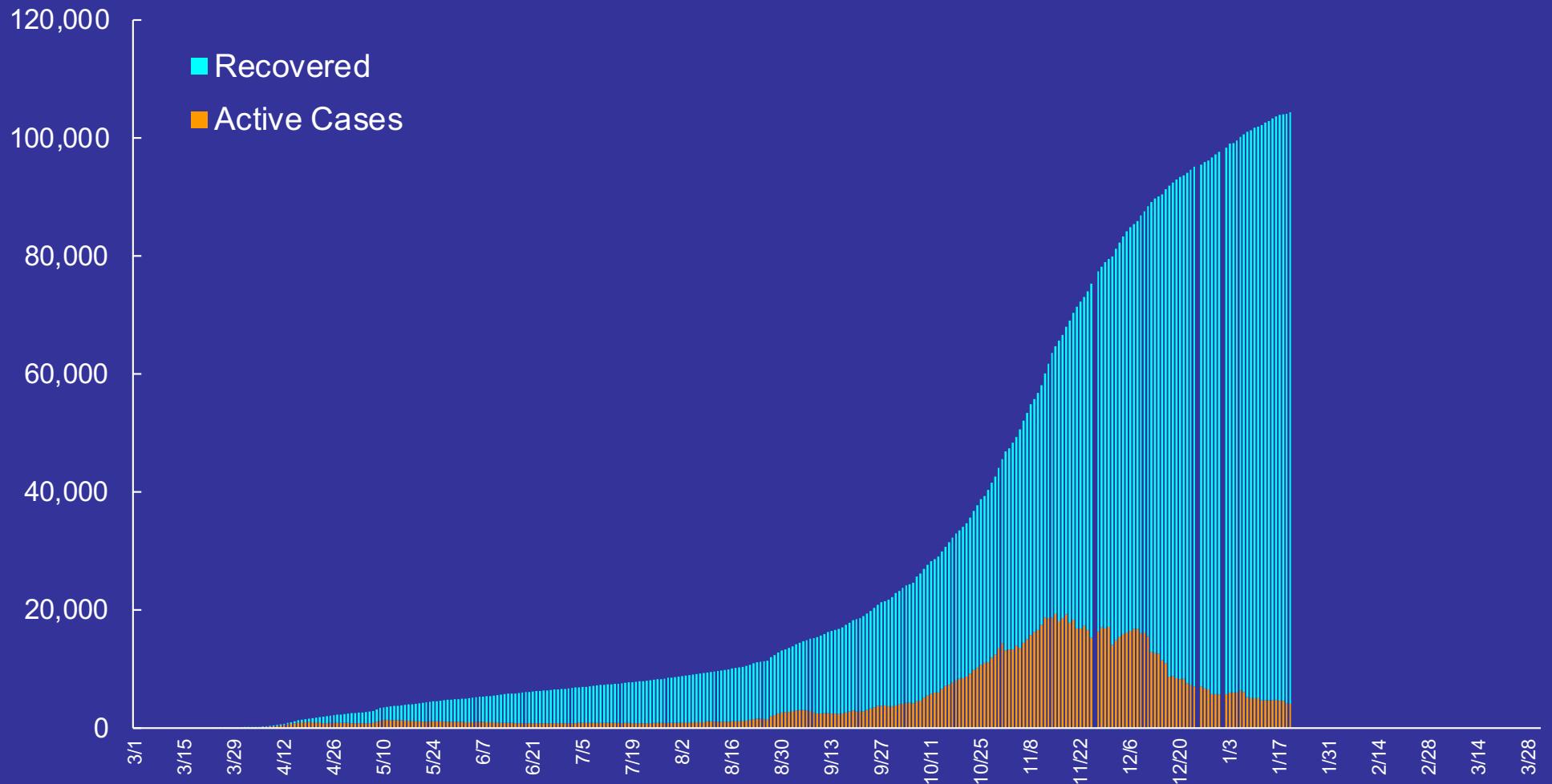
□ < 60 Years (80% SD) ■ 60+ Years (20% SD)



No SDDOH data update on 8/25-8/27, 11/26, 12/25 & 1/1; data reported 11/27 was divided equally between 11/26 & 11/27.
 Oct 7: Probable cases added (based on antigen tests); since past data were added, data for this day were excluded.
 Started recording age distribution on May 15th.

South Dakota COVID-19 Situation

Number of Active and Recovered Cases



No SDDOH data update on 11/26, 12/25 & 1/1.

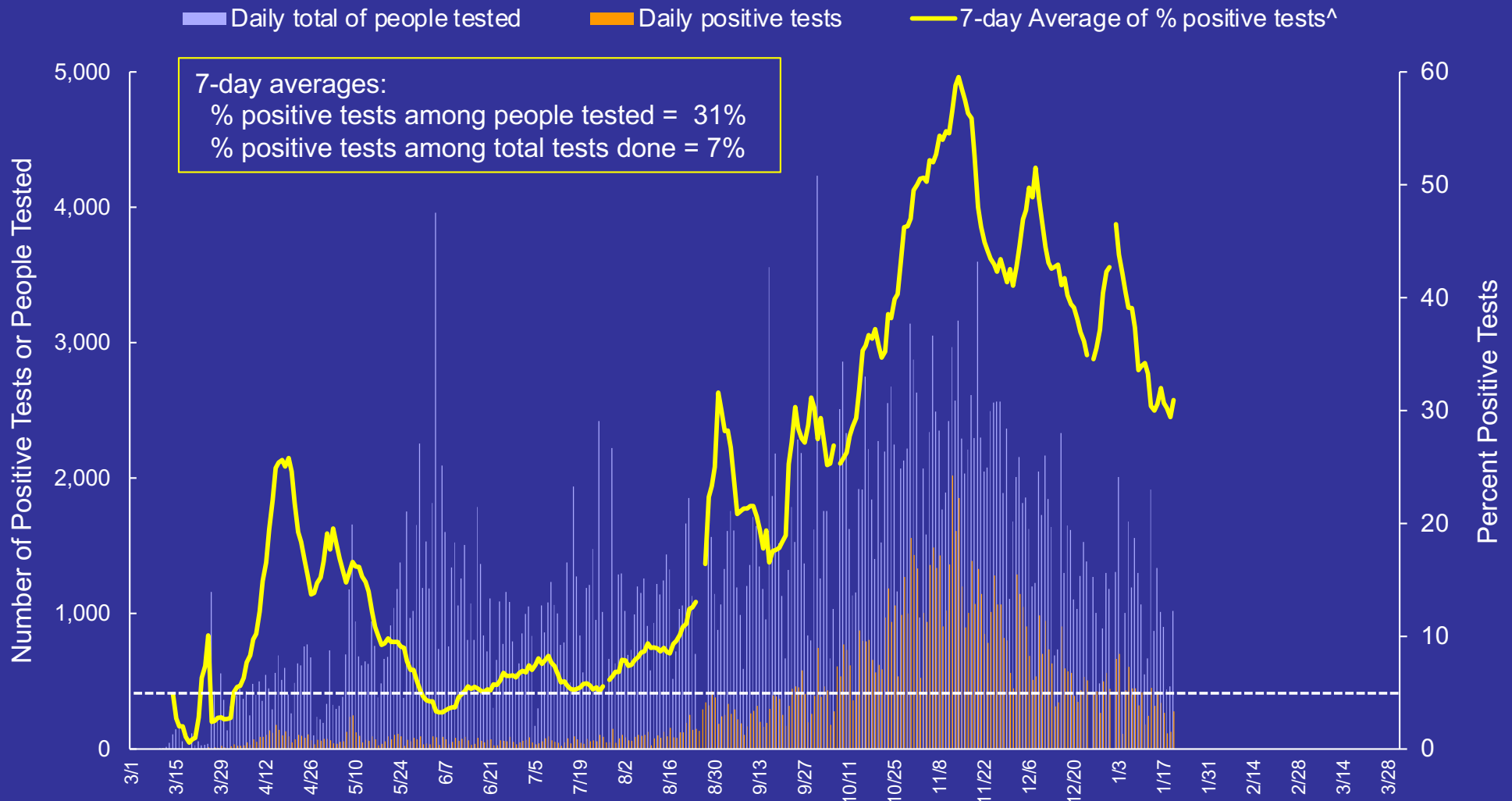
Does not include number of deaths.

Oct 7: Probable cases added (based on antigen tests) and included in recovered cases.

<https://doh.sd.gov/COVID/Dashboard.aspx>

South Dakota COVID-19 Situation

Percentage of Positive Tests



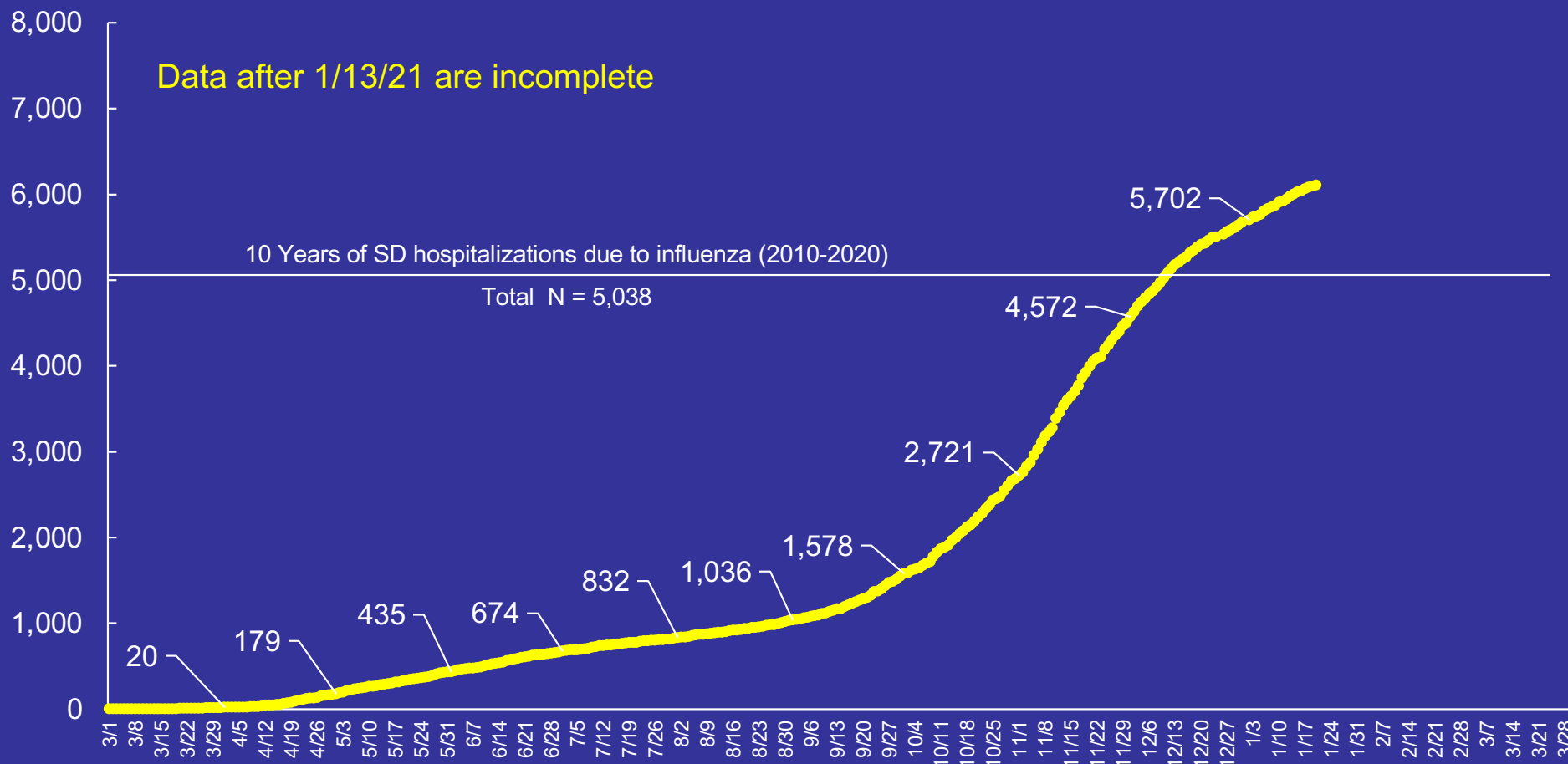
No SDDOH data update on 11/26, 12/25 & 1/1; data reported 11/27 was divided equally between 11/26 & 11/27

^ Calculated as $\text{sum of 7-days of previous positive cases} / \text{sum of 7-days of total tests completed} * 100$. Duplicate tests on same individual are not included. Either no data or partial data available for 7/27 and 8/25-8/27.

Oct 7: Antigen tests added, including past tests. Data for this day not included. DOH reports test positivity using only PCR data and the denominator is total number of tests, not people.

South Dakota COVID-19 Situation

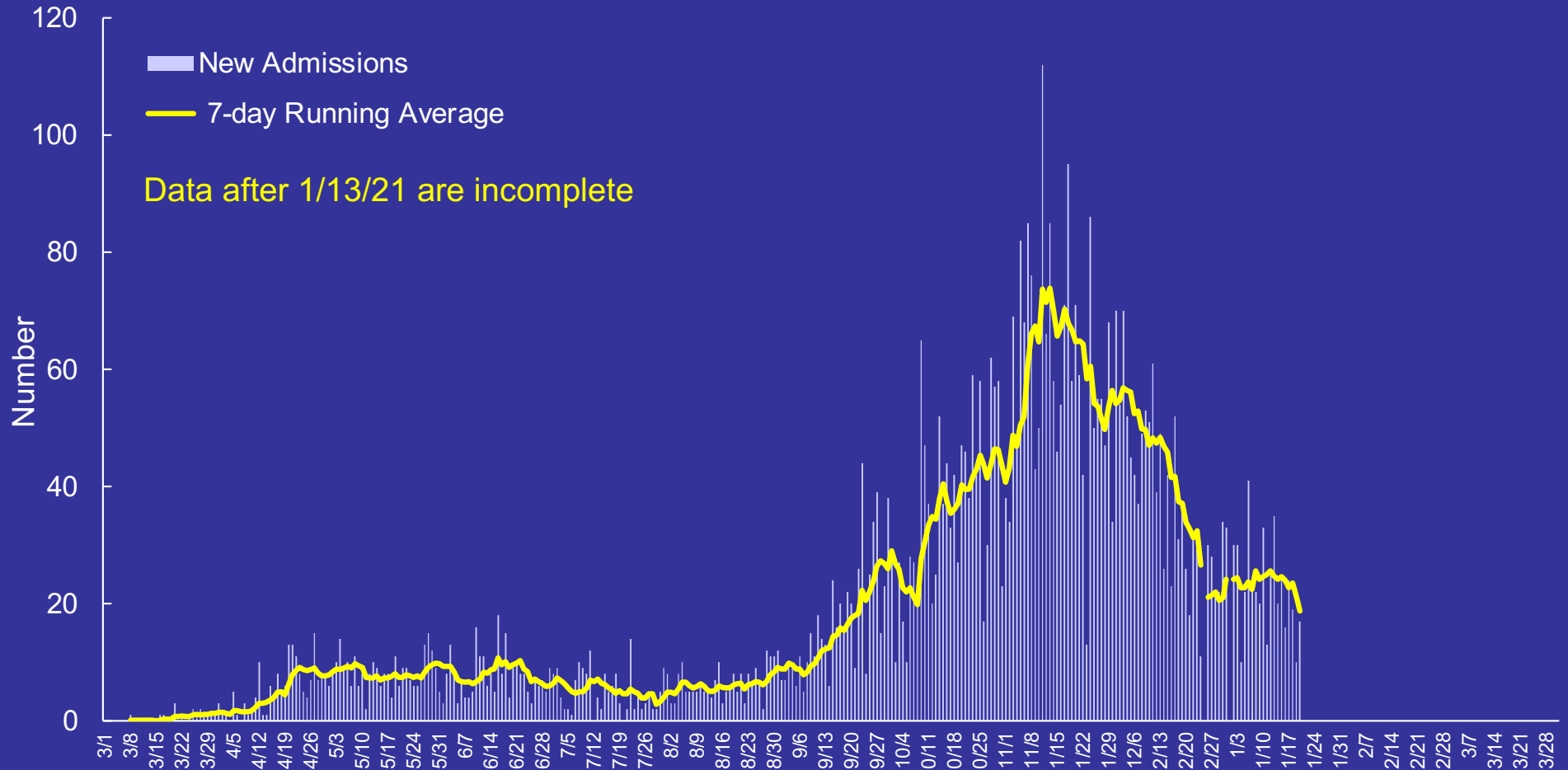
Cumulative Number of Hospitalizations



No SDDOH data update on 11/26, 12/25 & 1/1; data reported 11/27 was divided equally between 11/26 & 11/27
Numbers given for the first of the month beginning in April.
Includes only state residents.

South Dakota COVID-19 Situation

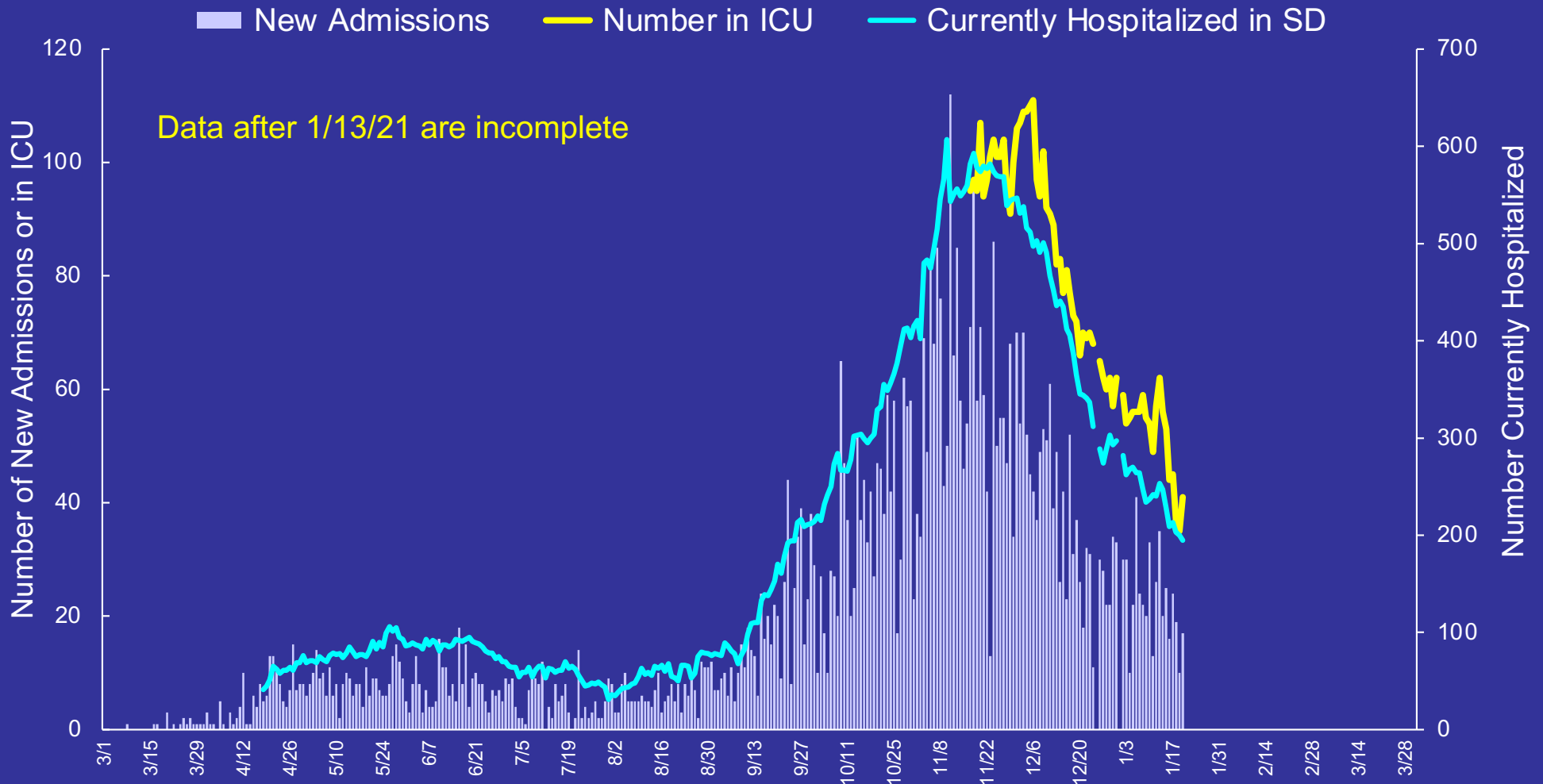
Number of New Hospitalizations by Day



No SDDOH data update on 11/26 ,12/25 & 1/1; data reported 11/27 was divided equally between 11/26 & 11/27
Includes only state residents.

South Dakota COVID-19 Situation

Hospitalization Data by Day



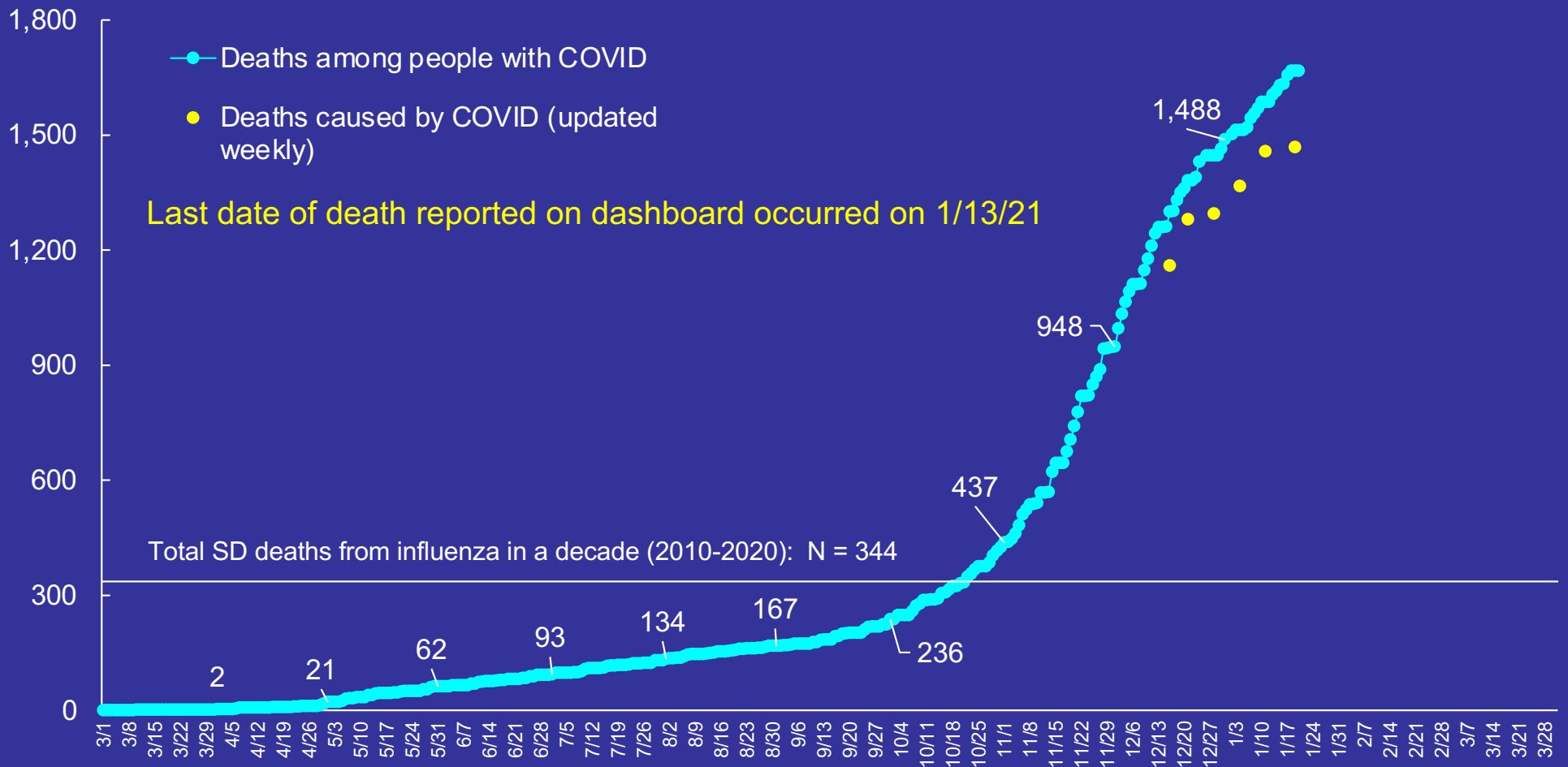
No SDDOH data update on 11/26, 12/25 & 1/1; data reported 11/27 was divided equally between 11/26 & 11/27

Currently hospitalized includes state and out-of-state residents and transfers in from other states, but not residents transferred out-of-state.

New admissions includes only state residents. Does not include patients on home health care.

South Dakota COVID-19 Situation

Number of Deaths from COVID-19

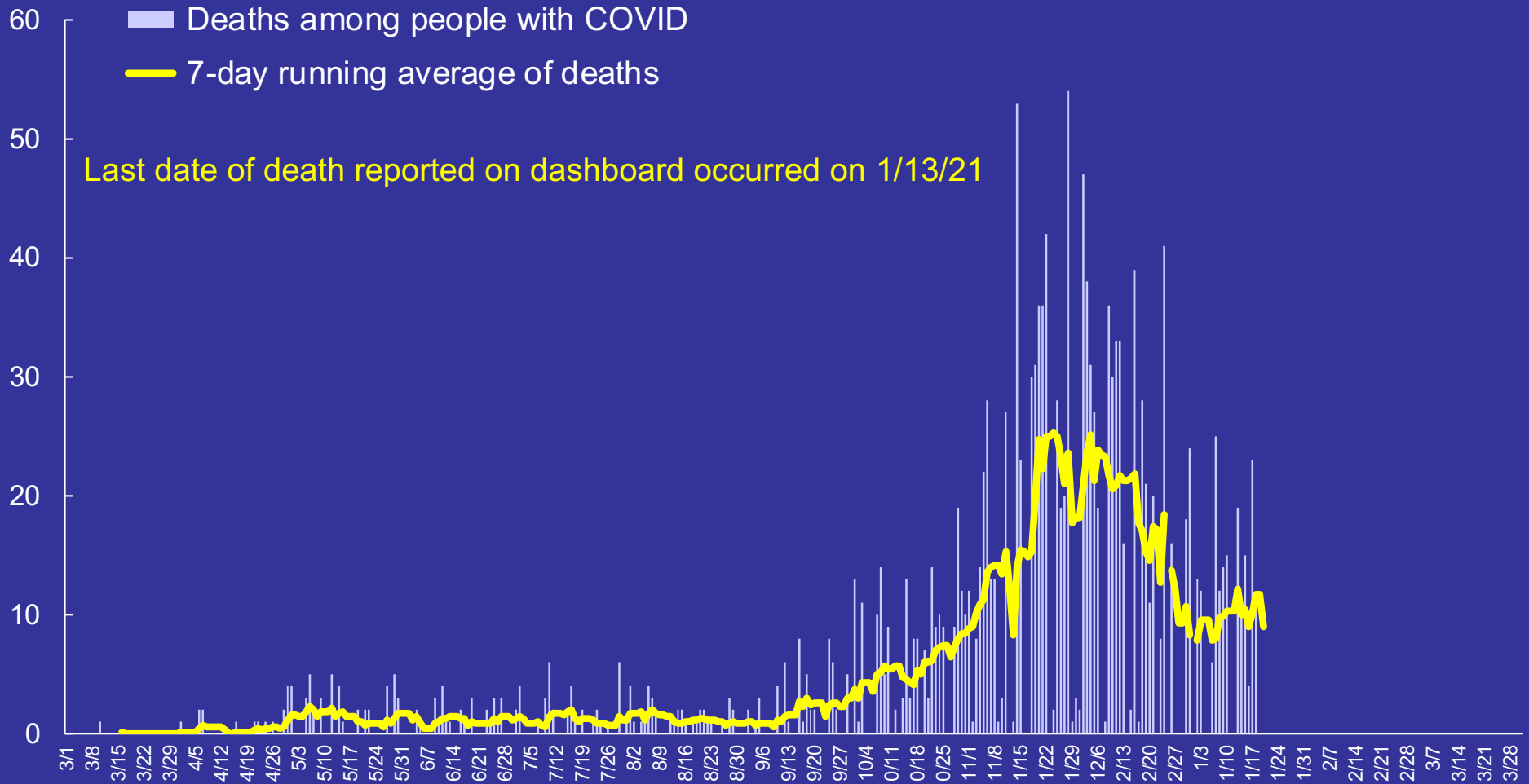


Dept of Health does not report deaths until a certified death record is filed. By law, a death record must be filed within 5 days of the date of death. Deaths caused by COVID based on death certificates where COVID is cause of death or contributing cause. Deaths among people with COVID include death certificates stating COVID as well as data from national surveillance system that identifies COVID cases and deaths within 20 days of infection that do not include COVID on death certificate. See DOH dashboard, death tab for detailed definitions.

Numbers given for the first of the month beginning in April.

South Dakota COVID-19 Situation

Number of Deaths among People with COVID-19 by Day



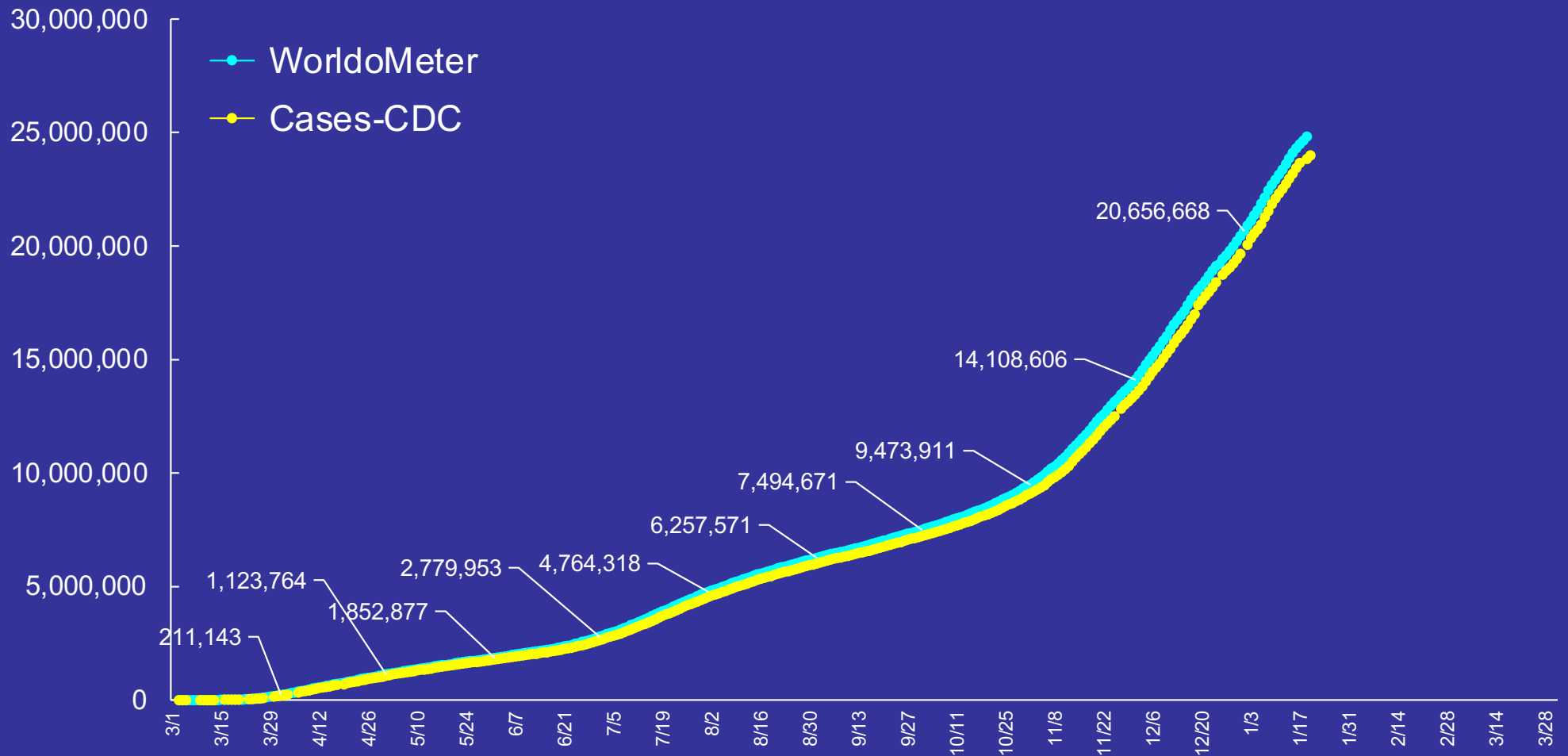
Breakdown of deaths among people with COVID vs. caused by COVID started on 12/16.
No SDDOH data update on 11/26, 12/25 & 1/1; data reported 11/27 was divided equally between 11/26 & 11/27

COVID-19 Situation

U.S.

U.S. COVID-19 Situation

Cumulative Number of Confirmed Cases

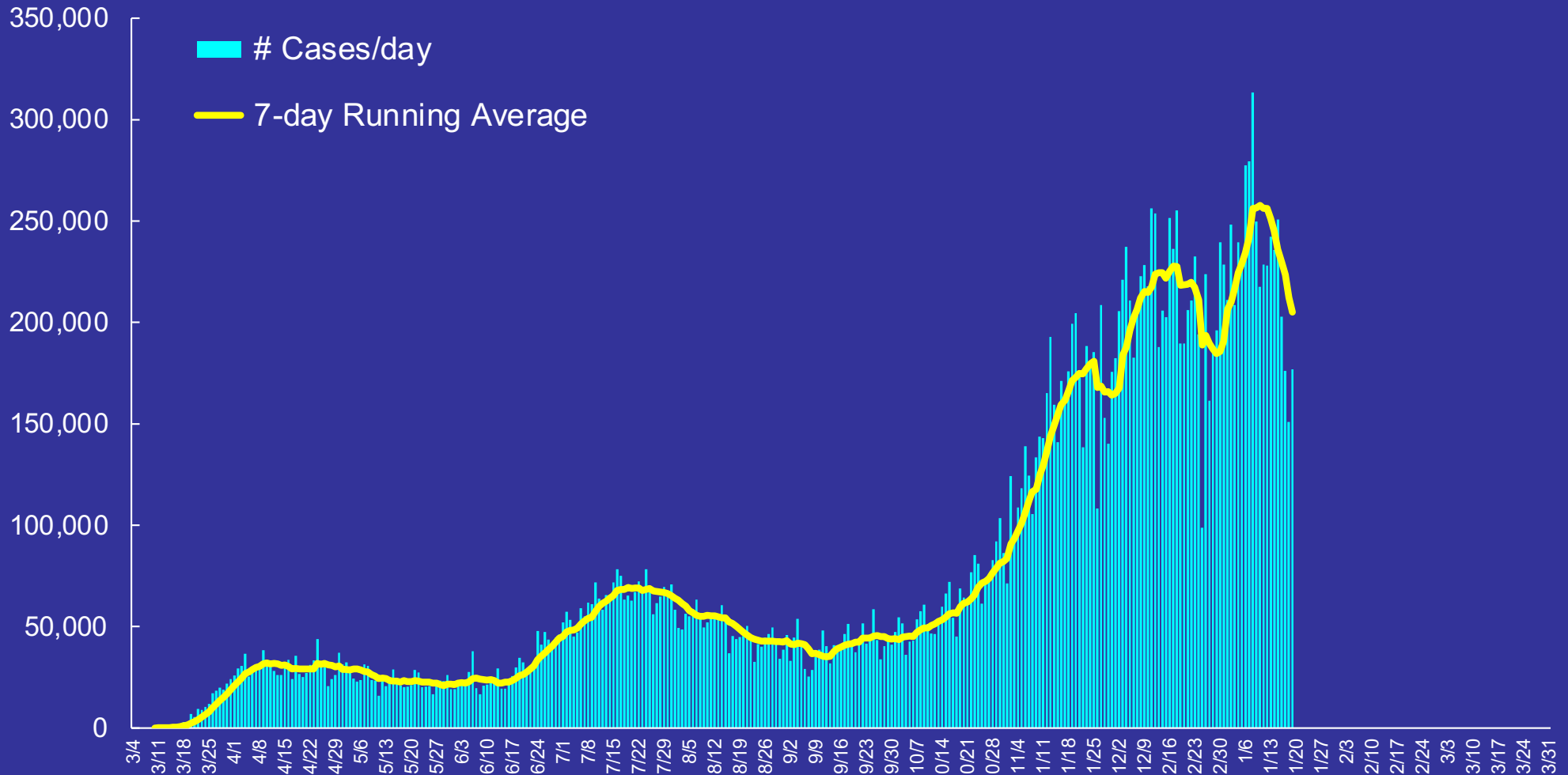


Numbers given for the first of the month beginning in April.

<https://www.worldometers.info/coronavirus/#countries>
<https://www.cdc.gov/coronavirus/2019-ncov/cases-in-us.html>

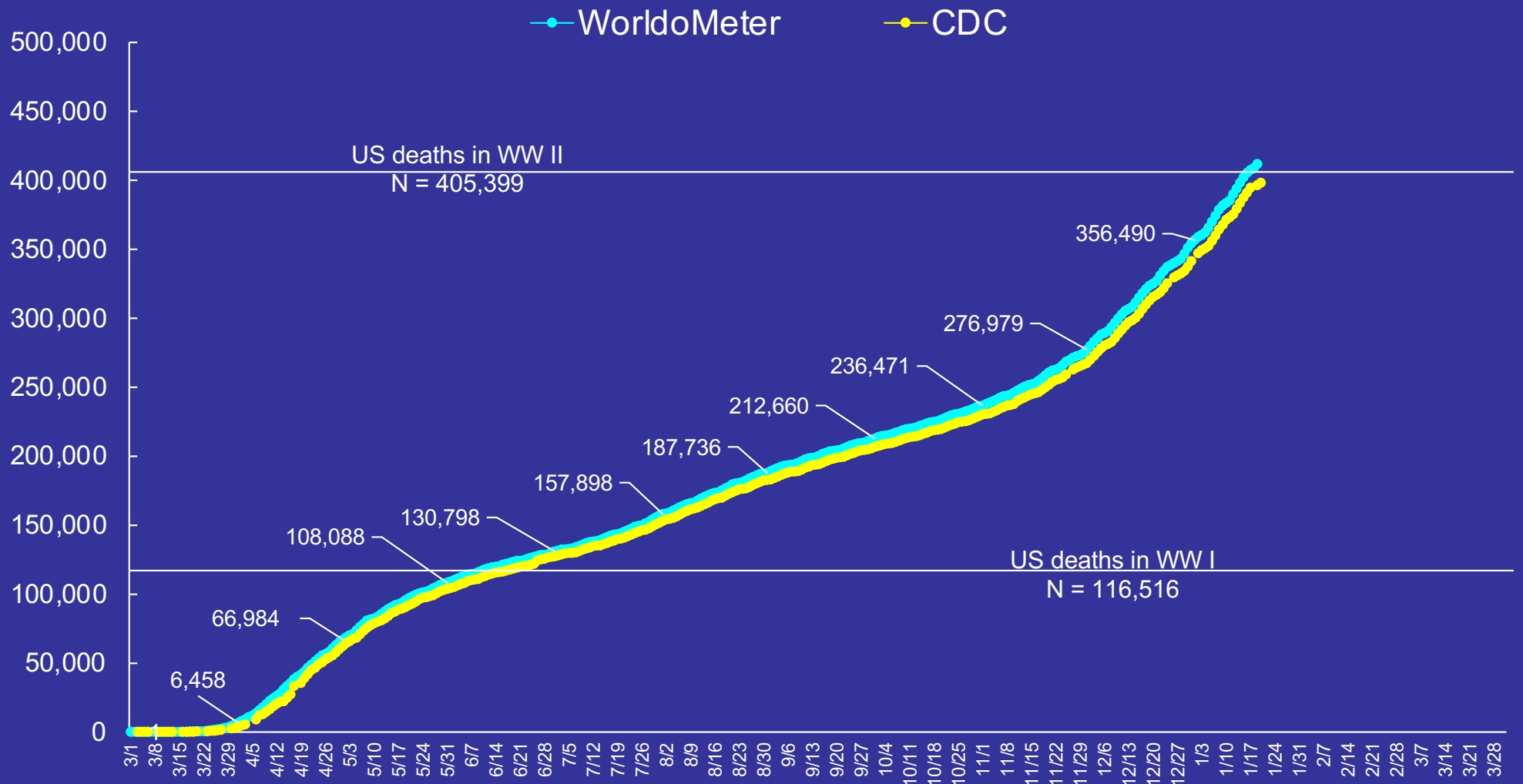
U.S. COVID-19 Situation

Number of Newly Diagnosed Cases by Day



U.S. COVID-19 Situation

Cumulative Number of Deaths from COVID-19

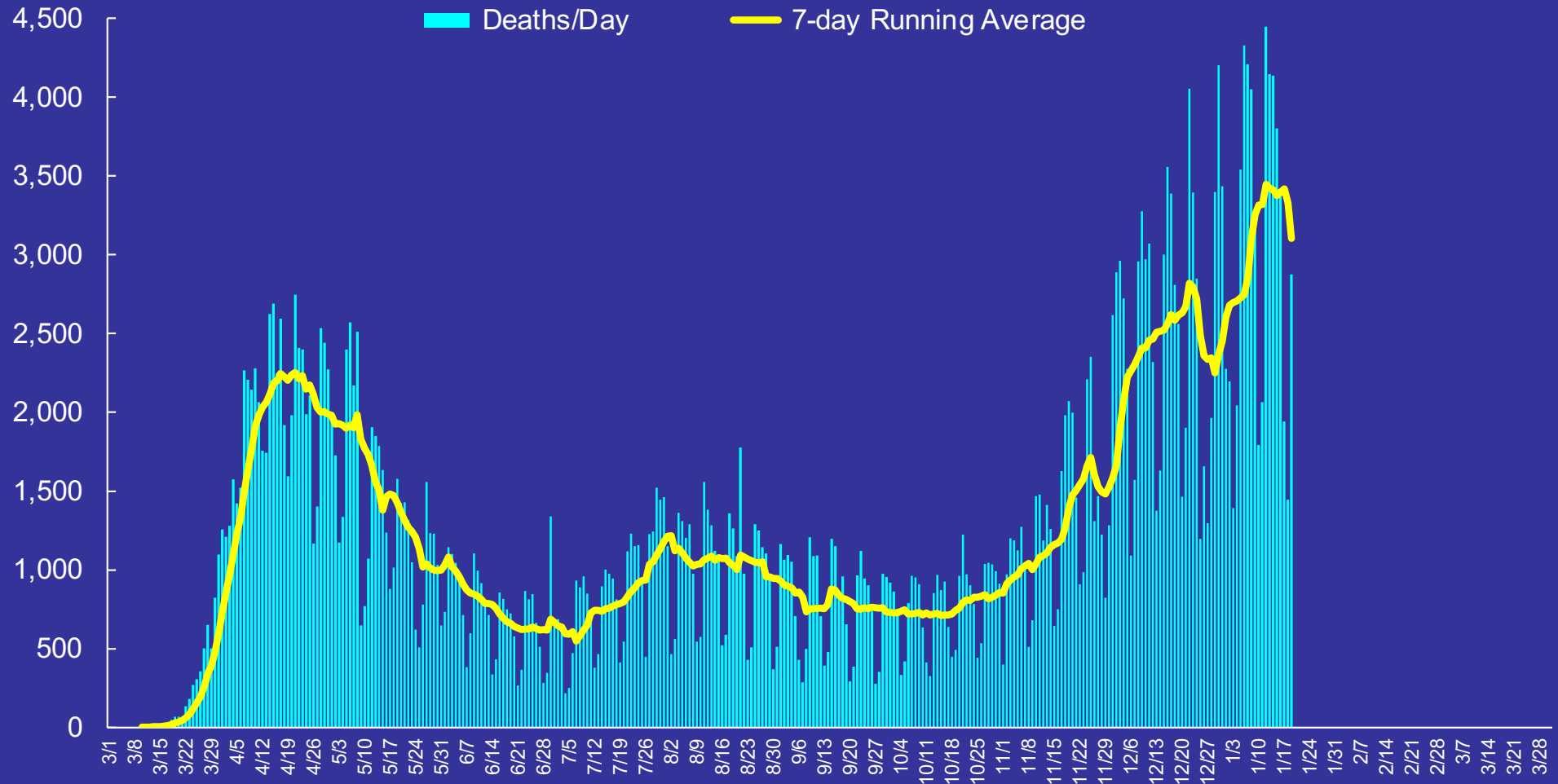


Numbers given for the first of the month beginning in April.

<https://www.worldometers.info/coronavirus/#countries>
<https://www.cdc.gov/coronavirus/2019-ncov/cases-in-us.html>

U.S. COVID-19 Situation

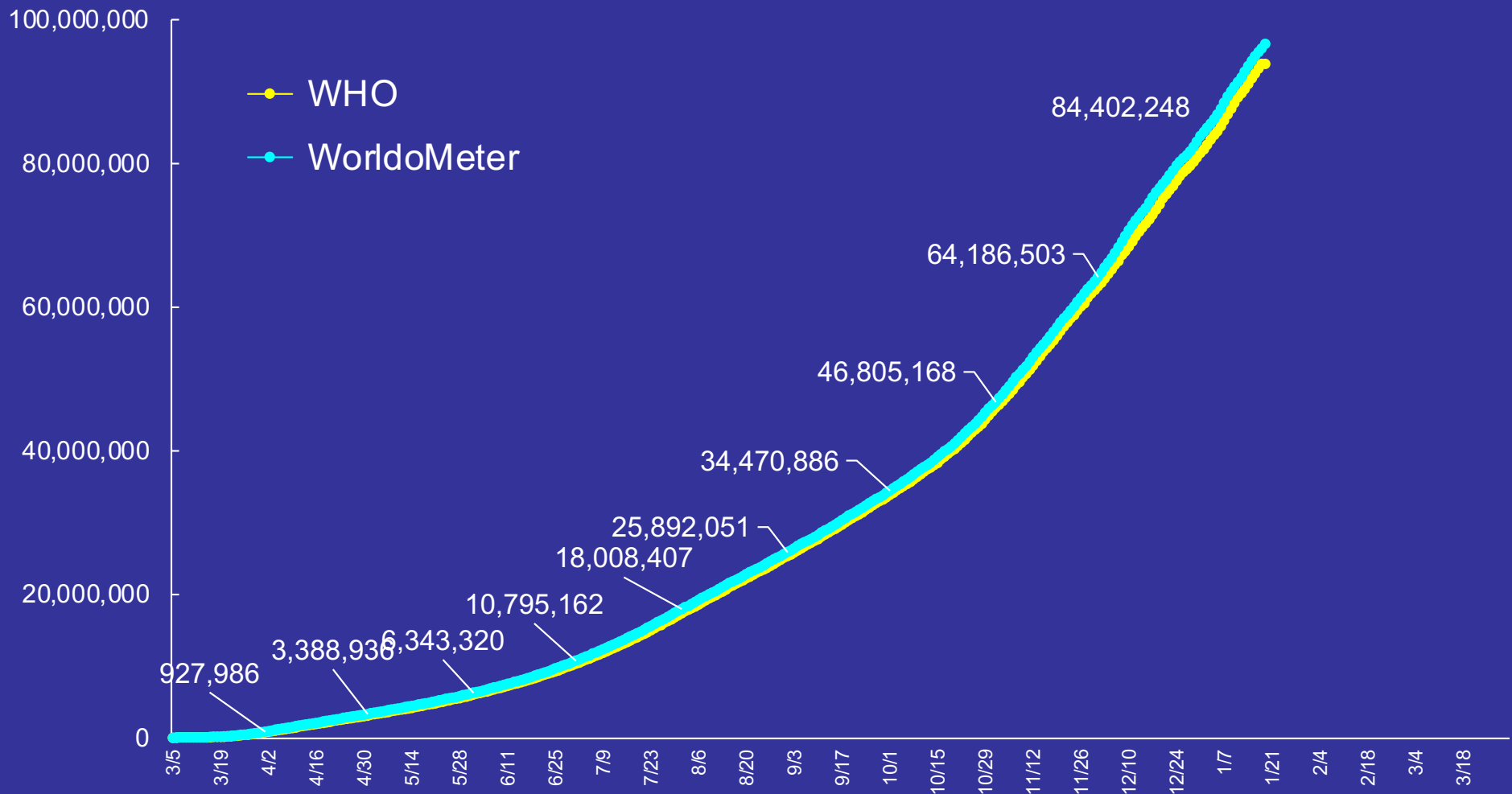
Number of Deaths from COVID-19 by Day



COVID-19 Situation World

World COVID-19 Situation

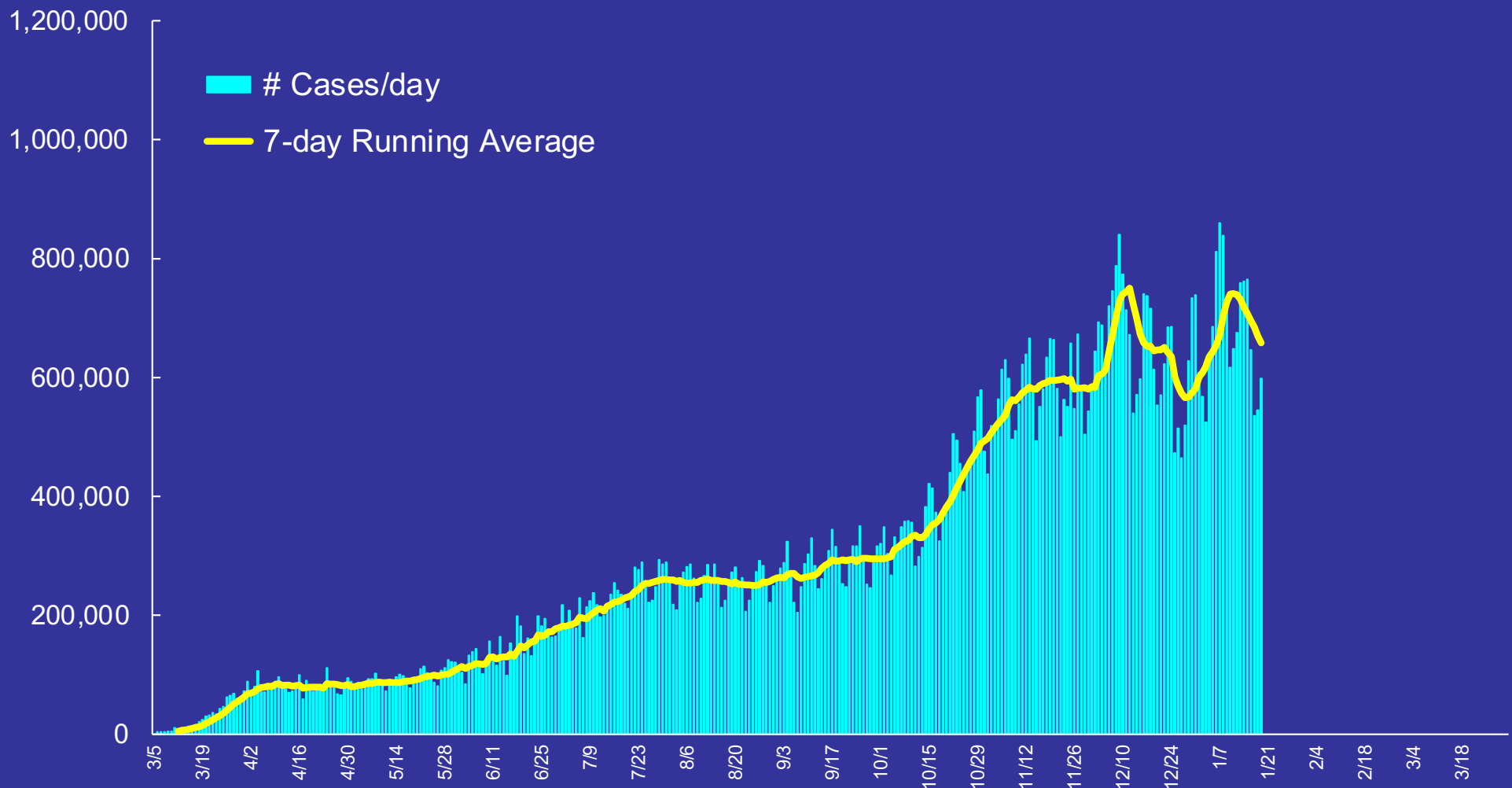
Cumulative Number of Confirmed Cases



Numbers given for the first of the month beginning in April.

World COVID-19 Situation

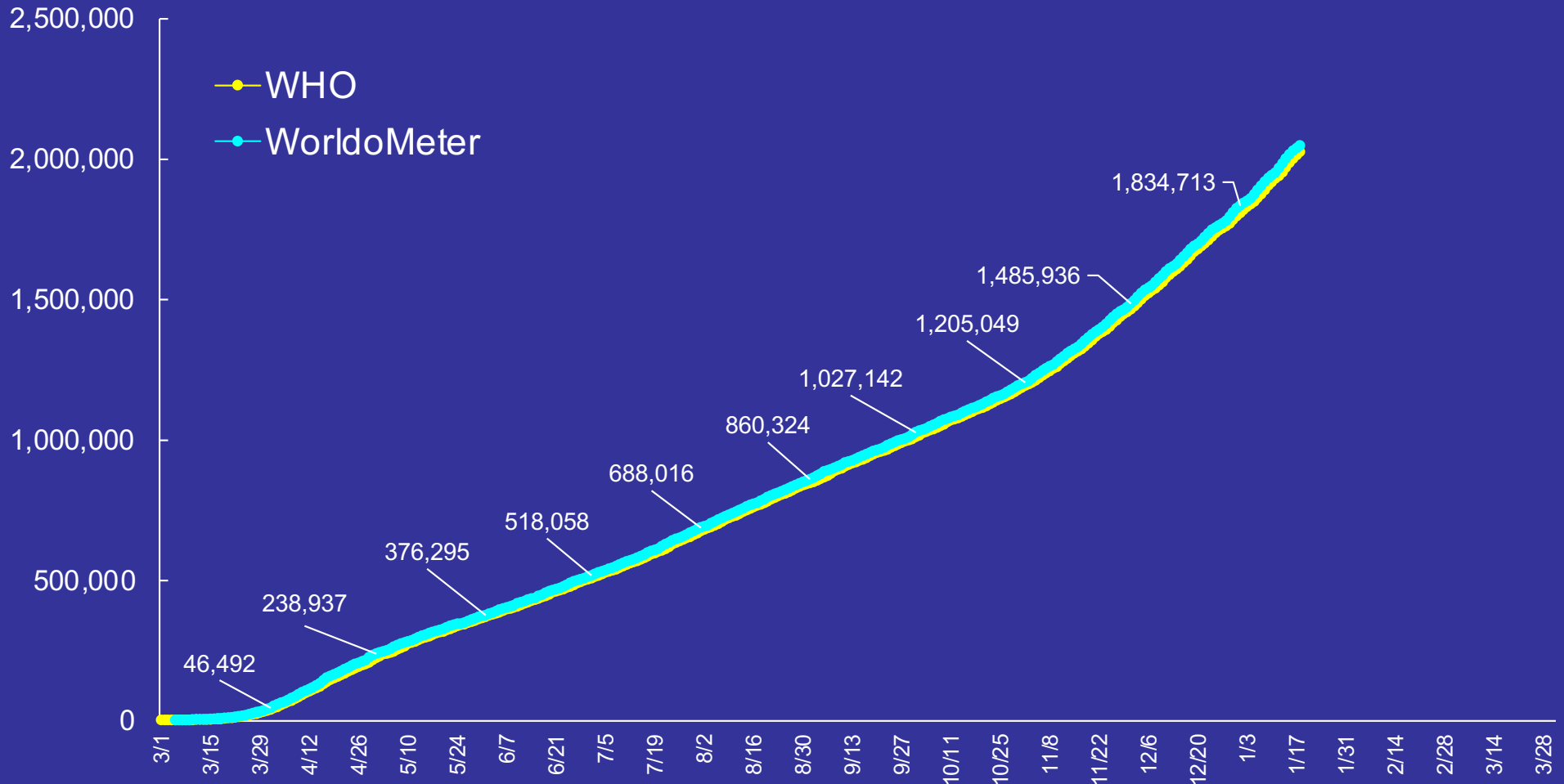
Number of Newly Confirmed Cases by Day



Previous cases not yet added posted on 12/11 (1.4M in 1 day). Due to the large increase in numbers cases were spread among the previous four days.

World COVID-19 Situation

Cumulative Number of Deaths from COVID-19



Numbers given for the first of the month beginning in April.

World COVID-19 Situation

Number of Deaths from COVID by Day

Deaths/Day 7-day Running Average

