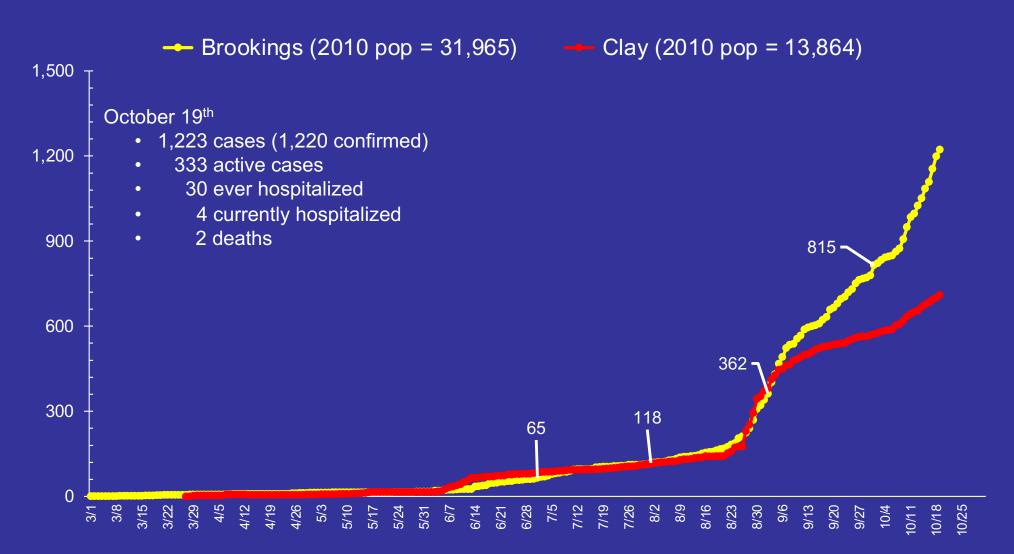
COVID-19 Situation

Brookings County

Brookings Situation

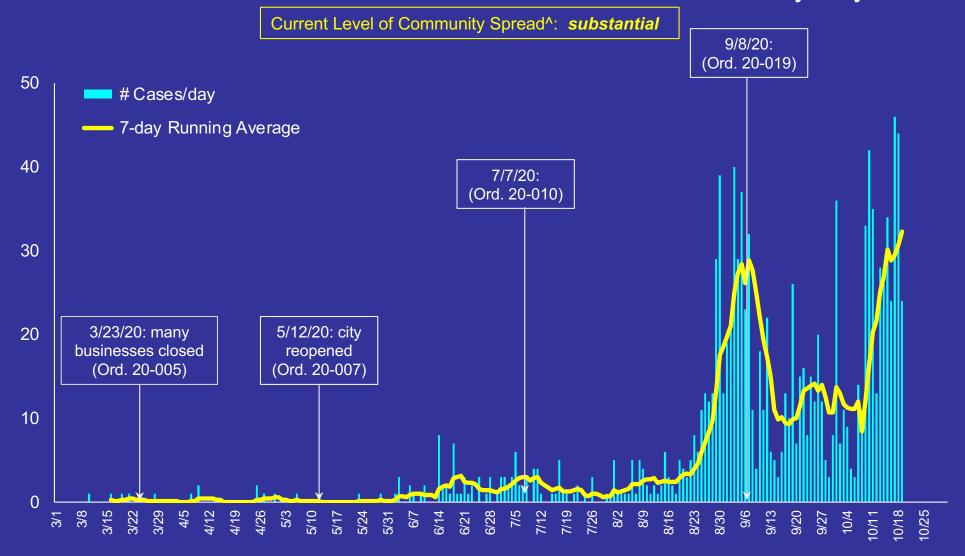
Number of Confirmed & Probable COVID-19 Cases



Numbers given for the first of July, August, Sept, and Oct. Clay County historical data prior to 9/12/20 graciously provided by Arnold Meyer. Confirmed = PCR test; Probable = antigen tests

Brookings COVID-19 Situation

Number of Confirmed & Probable COVID-19 Cases by Day



Ordinance 20-005: closure of many businesses effective 3/23/20, updated 4/9/20

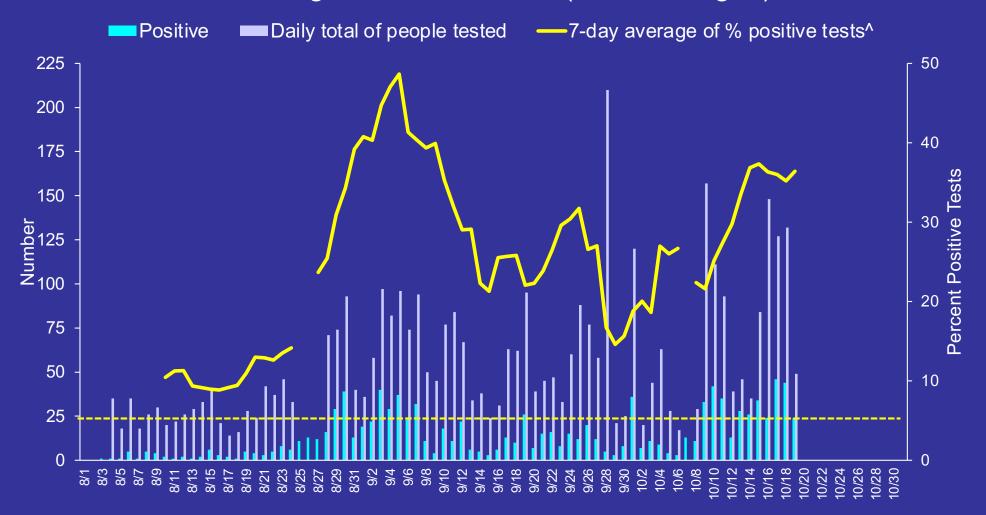
Ordinance 20-007: restrictions on reopening effective 5/12/20

Ordinance 20-010: like 20-007 (includes bar servers), 2nd reading 7/7/20

Ordinance 20-019: mask mandate in public, 2nd reading 9/8/10

Brookings COVID-19 Situation

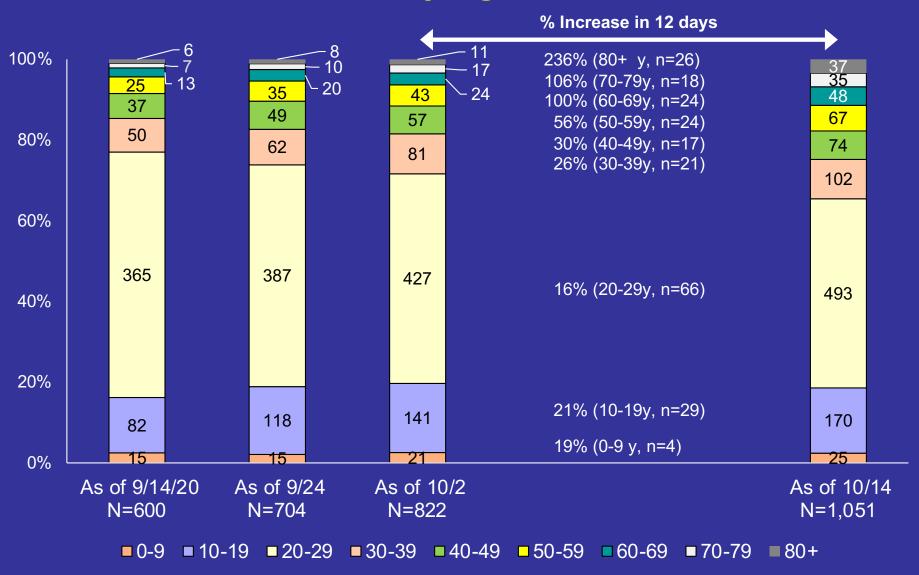
Percentage of Positive Tests (PCR + Antigen)



^ Calculated as sum of 7-days of previous positive cases/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.

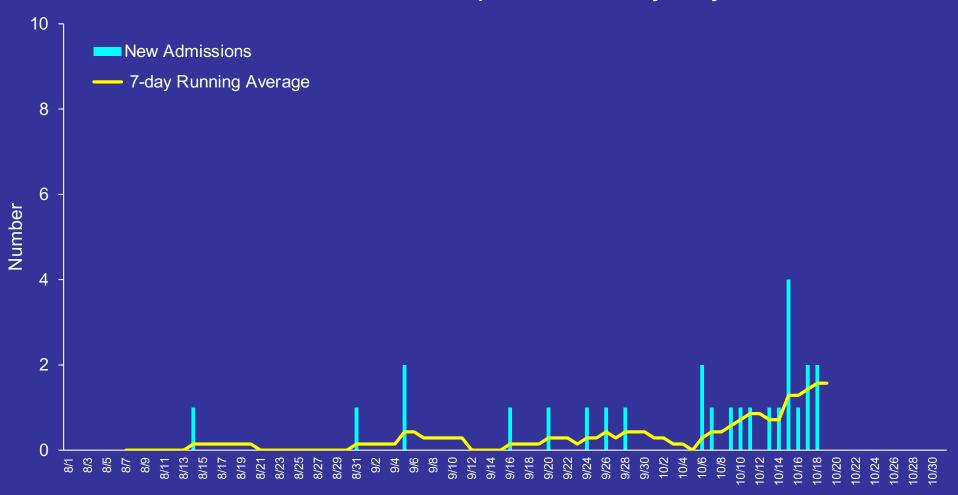
The rate of positivity provides insight into whether enough testing is being conducted. If positivity is high, it suggests that the sickest are being tested and milder or asymptomatic cases may be missed. The WHO has said that in countries that have extensive testing for COVID-19, percent positive should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

South Dakota COVID-19 Situation Number of Brookings Cases Who Have Tested Positive by Age and Date



Brookings COVID-19 Situation

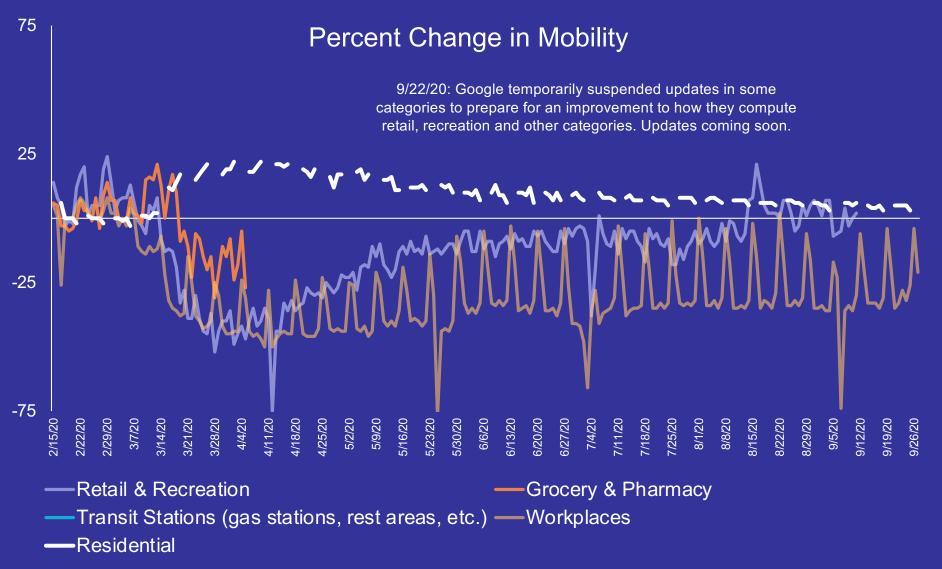
Number of New Hospitalizations by Day



Includes only Brookings County residents.

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

Brookings County Mobility Data via Google



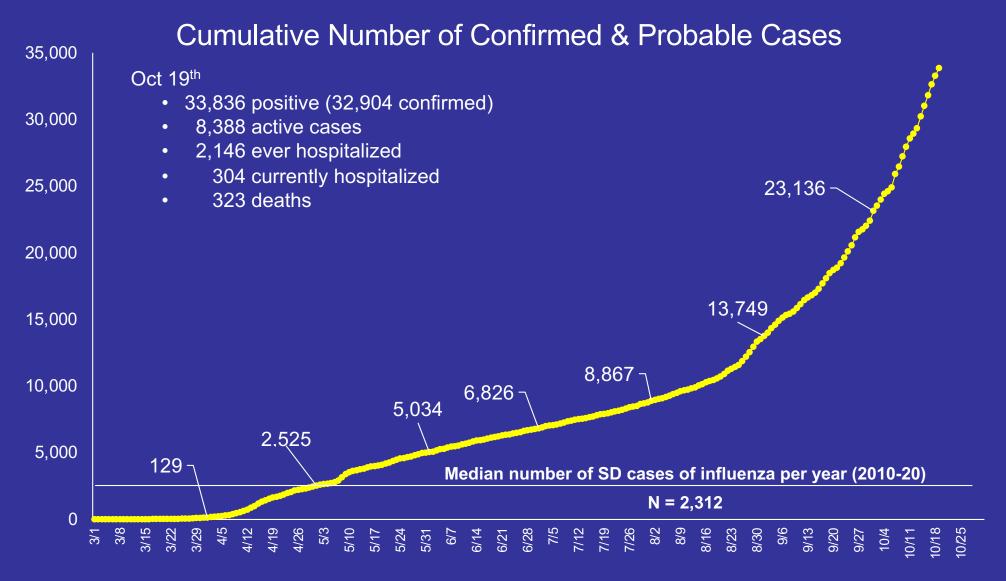
Baseline: normal value for day of week (1/3-2/6/20)

Residential shows a change in duration, other categories are change in total visitors. Parks not shown.

Data from https://www.google.com/covid19/mobility/

COVID-19 Situation

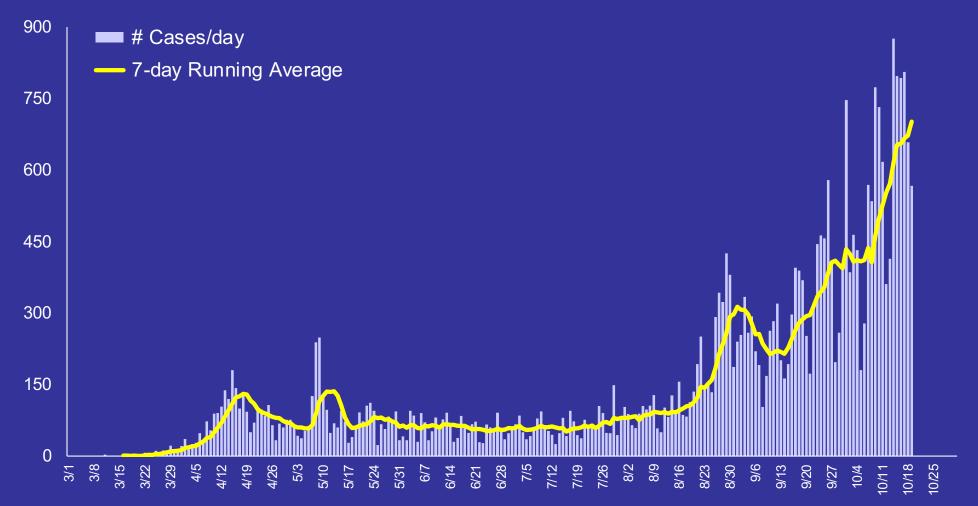
South Dakota



Numbers given for the first of April, May, June, July, August, Sept, and Oct. State residents only.a

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

Number of Confirmed & Probable Cases by Day



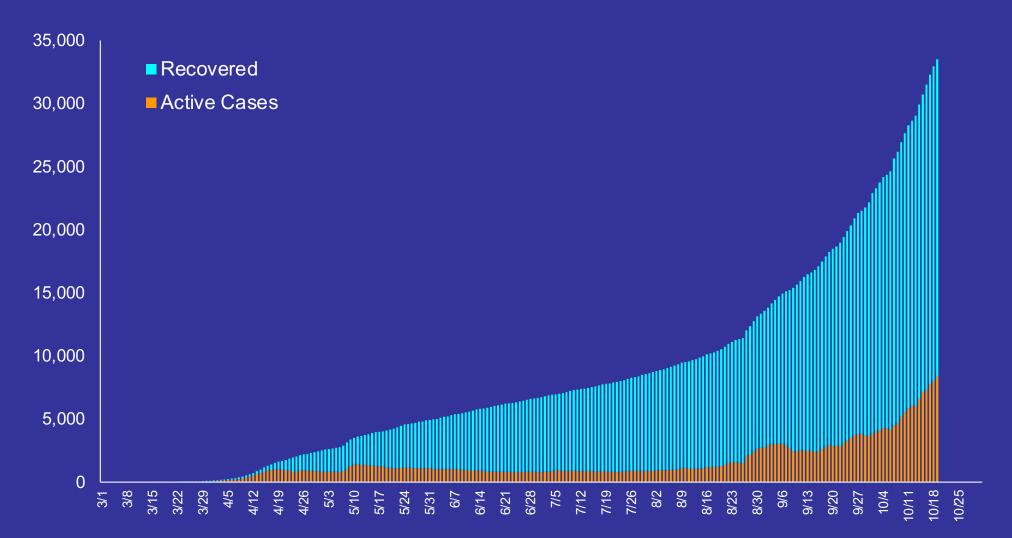
Mid-April: Smithfield outbreak.

Week of May 4: screened Smithfield workers, families & contacts.

May 28: began screenings residential care residents & health care providers

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

Number of Active and Recovered Cases

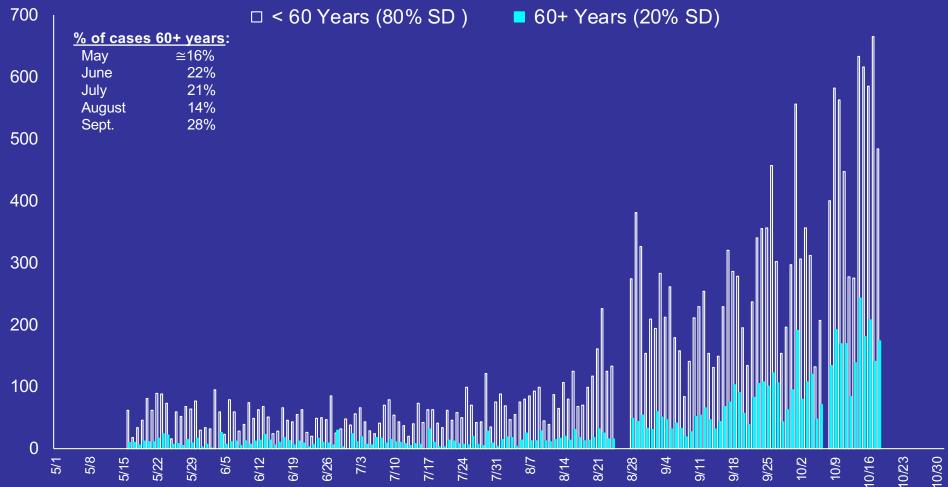


Does not include number of deaths.

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

South Dakota COVID-19 Situation Age Distribution

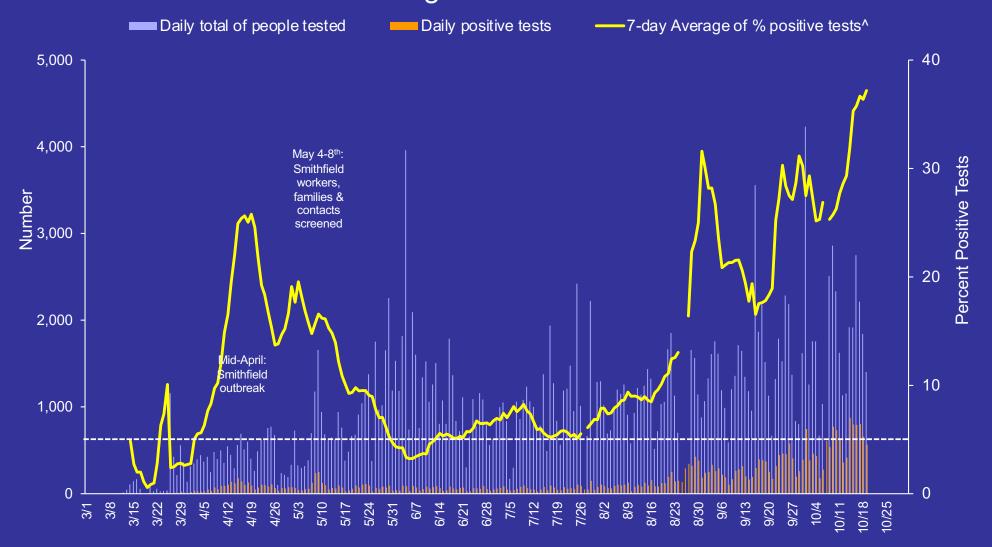
Number of Confirmed & Probable Cases by Age & Day



Started recording age distribution on May 15th.

No data available for 8/25-/8/27/20
Oct 7: Probable cases added (based on antigen tests); since past data were added, data for this day were excluded.

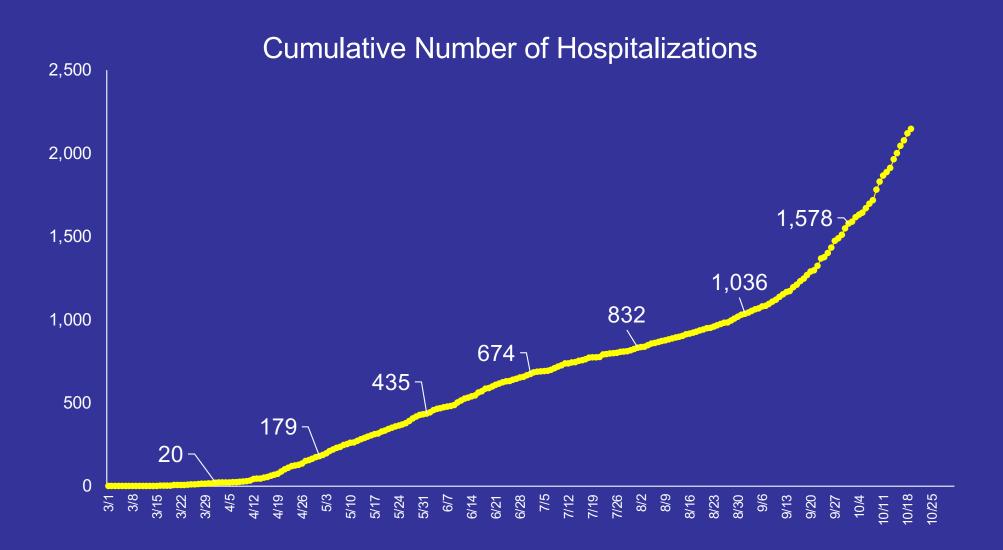
Percentage of Positive Tests



[^] Calculated as sum of 7-days of previous positive cases/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.

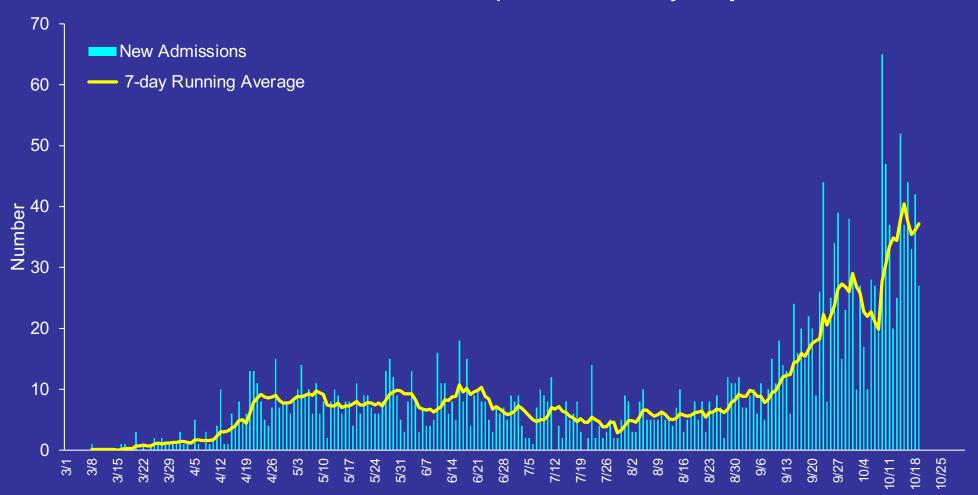
Oct 7: Antigen tests added, including past tests. Data for this day are not included. Beginning 10/7/20 tests include PCR & antigen since the denominator is only available for both tests combined. DOH reports test positivity using only PCR data and the denominator is total number of tests, not people.

https://doh.sd.gov/news/Coronavirus.aspx https://coronavirus.jhu.edu/testing



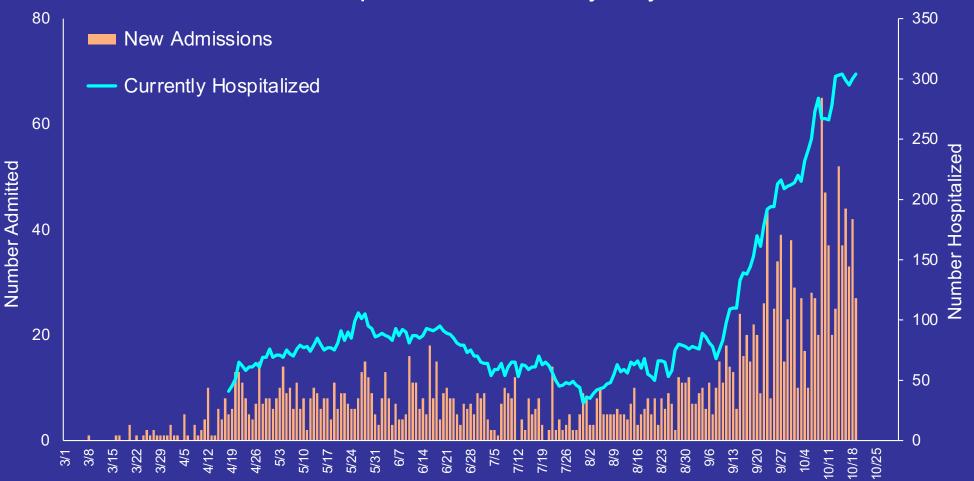
Numbers given for the first of April, May, June, July, August, Sept, and Oct. Includes only state residents.

Number of New Hospitalizations by Day



Includes only state residents.

Hospitalization Data by Day



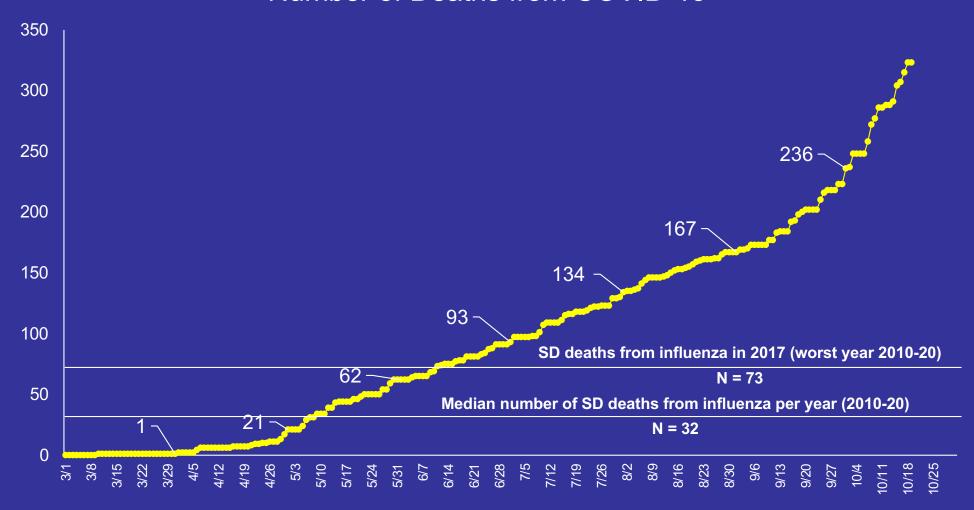
No data on currently hospitalized before April 18th.

Currently hospitalized includes state and out-of-state residents and transfers from other states.

New admissions includes only state residents.

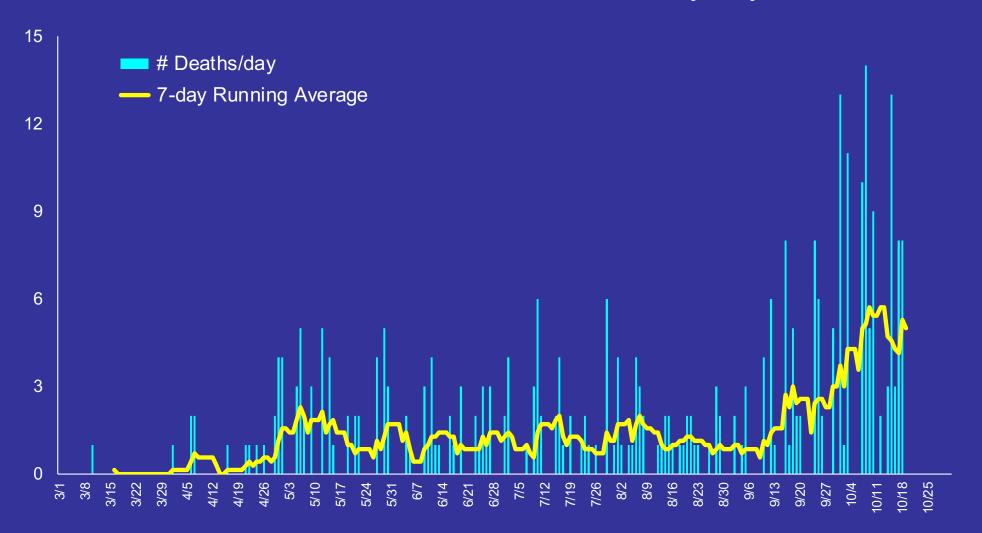
Does not include patients on home health care.

Number of Deaths from COVID-19

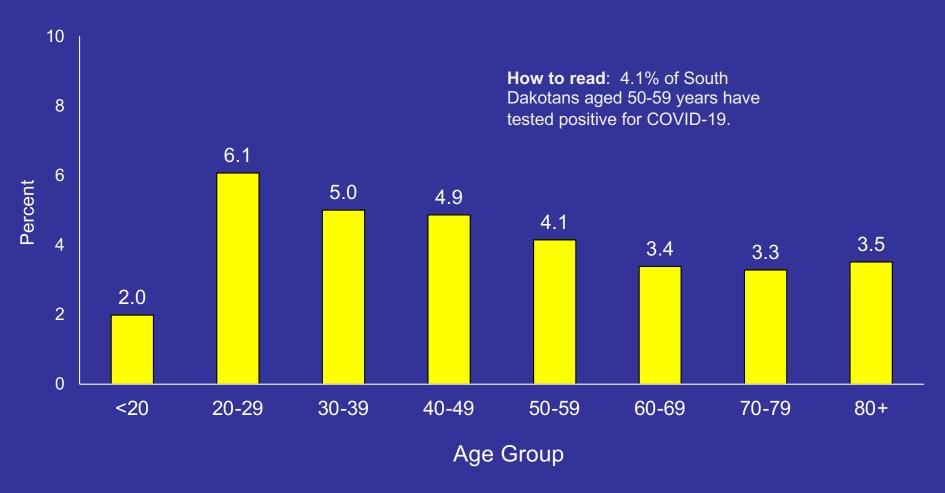


Dept of Health does not report deaths until a certified death record is filed. By law, a death record must be filed within 5 days of the date of death. Numbers given for the first of April, May, June, July, August, Sept, and Oct.

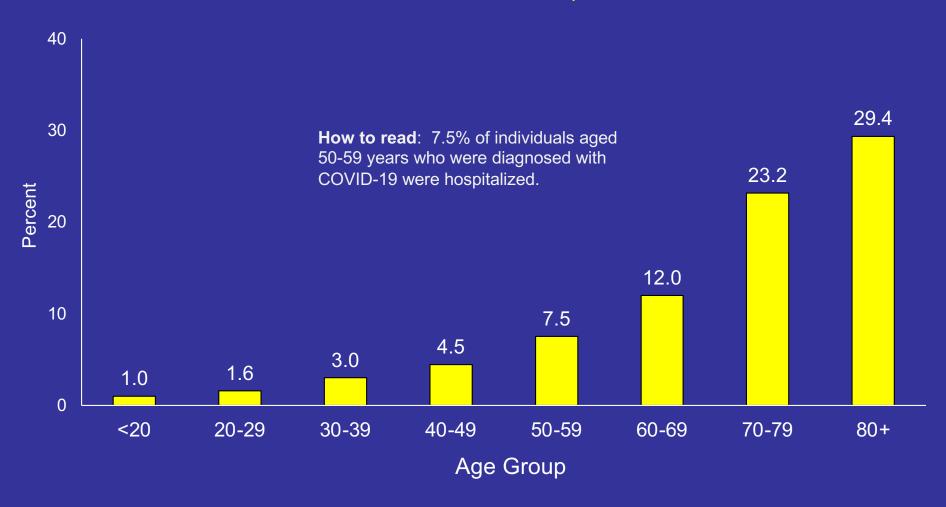
Number of Deaths from COVID-19 by Day



South Dakota COVID-19 Situation Percent of South Dakota Population Ever Testing Positive by Age as of October 18, 2020

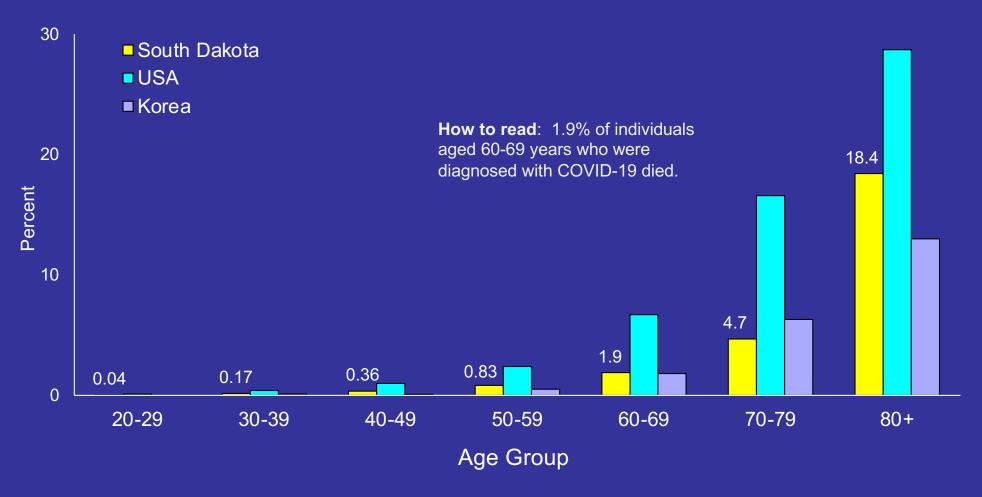


South Dakota COVID-19 Situation Percent of Cases Ever Hospitalized by Age as of October 18, 2020



Calculated as (ever hospitalized/tested positive)*100 using South Dakota data.

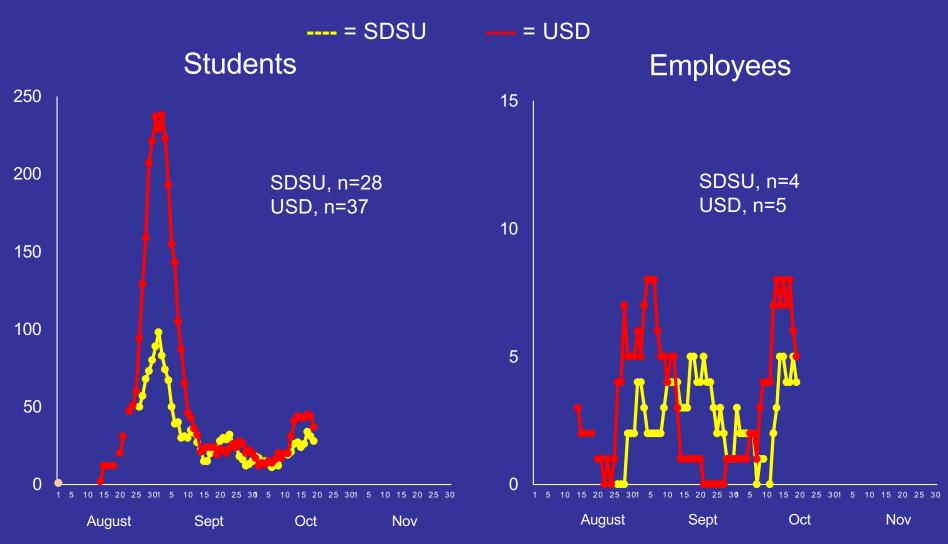
South Dakota COVID-19 Situation Case Fatality Rates by Age South Dakota updated on October 18, 2020



Case fatality rate calculated as COVID deaths/(COVID deaths+recovered)*100 Data not given for ages <19 years.

Country data from https://preventepidemics.org/wp-content/uploads/2020/08/COVID-19-Science-Metrics_2020August11.pdf https://www.statista.com/statistics/1127639/covid-19-mortality-by-age-us/

University Situation Number of *Active* **COVID-19 Cases**



Last updated on 10/19/20

https://www.sdstate.edu/covid-19/covid-19-dashboard https://www.usd.edu/covid19/covid-19-dashboard

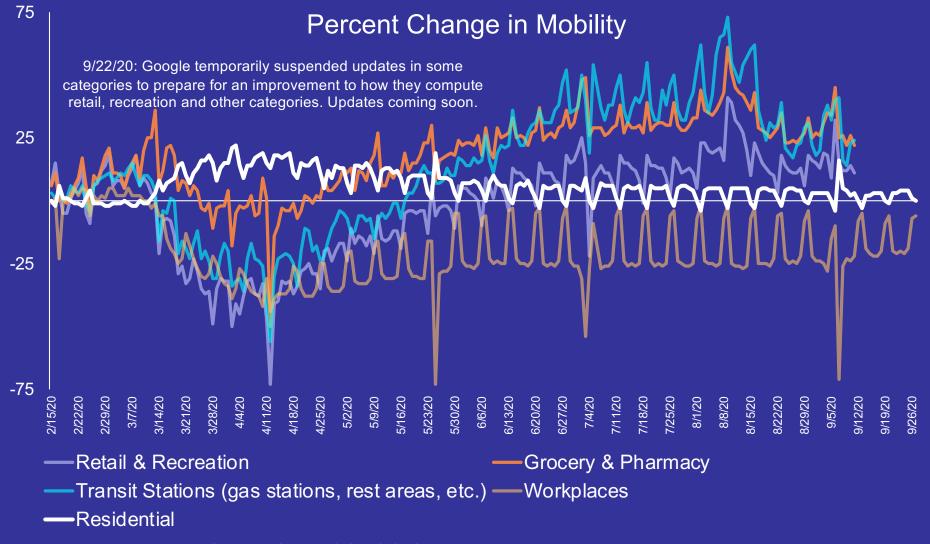
South Dakota School Situation

Cumulative Number of COVID-19 Cases

- K-12 Students - K-12 Staff - Higher Ed Students - Higher Ed Staff



South Dakota Mobility Data via Google



Baseline: normal value for day of week (1/3-2/6/20)

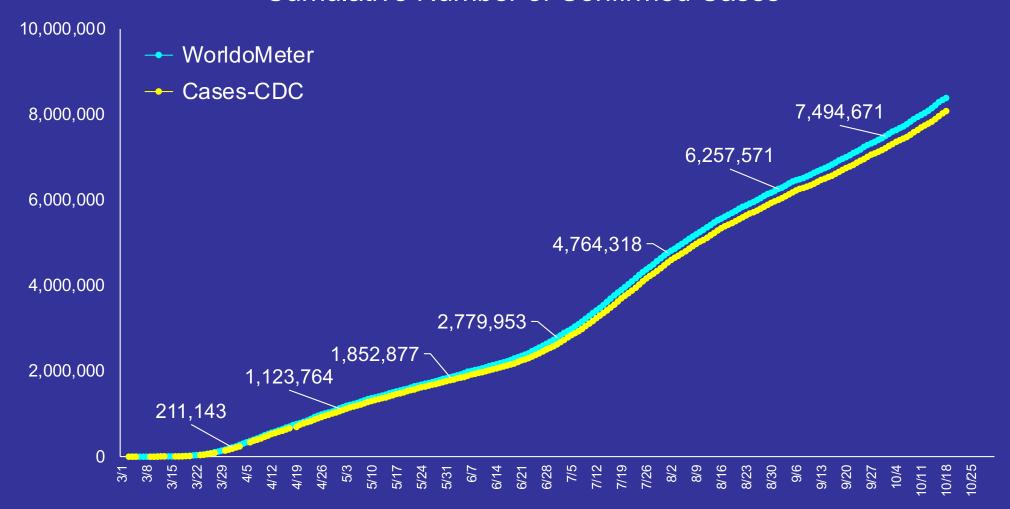
Residential shows a change in duration, other categories are change in total visitors. Parks not shown.

Data from https://www.google.com/covid19/mobility/

COVID-19 Situation

U.S.

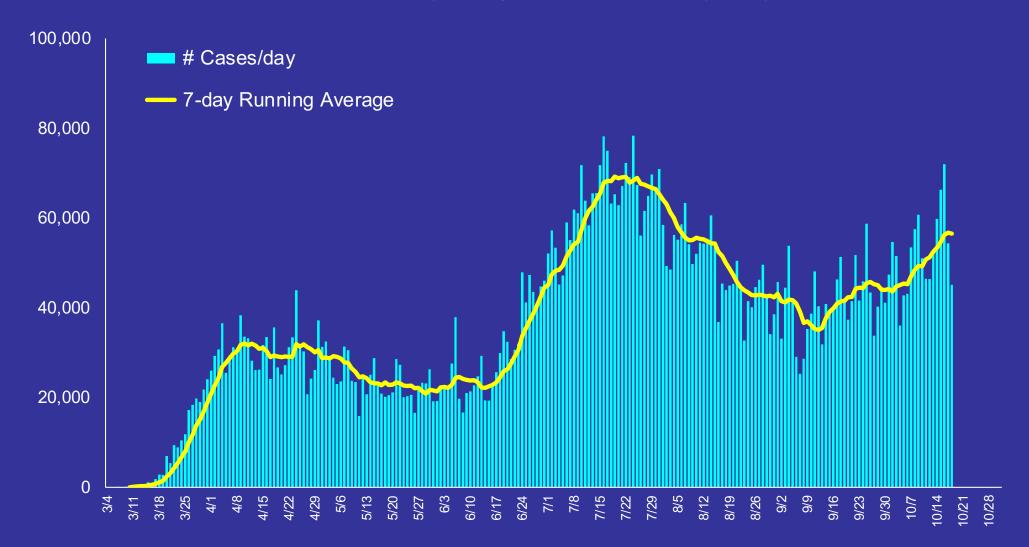
Cumulative Number of Confirmed Cases



March 5 – removed some of the restrictions on who could be tested. May 1 – many states began loosening social distancing restrictions. Numbers given for the first of April, May, June, July, August, Sept, and Oct.

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

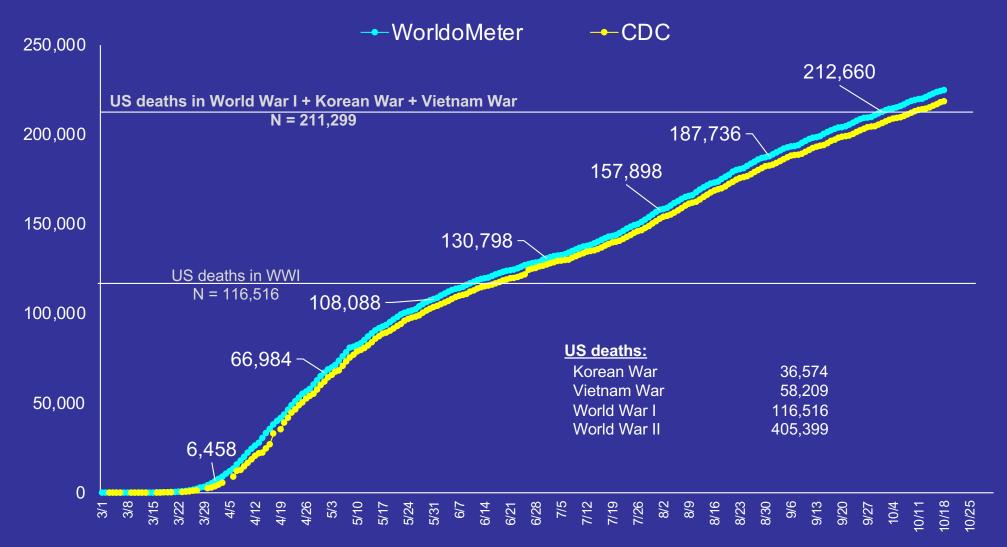
Number of Newly Diagnosed Cases by Day



May 1 – many states began loosening social distancing restrictions.

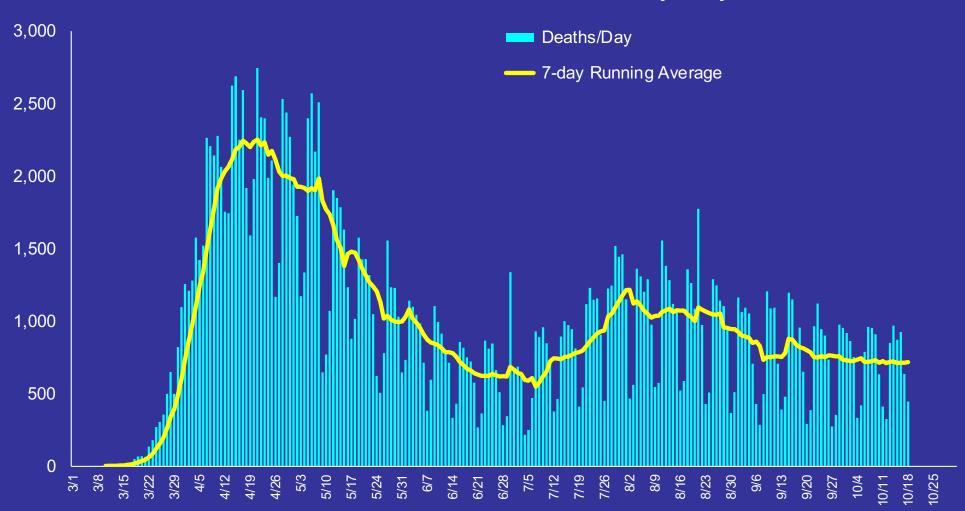
Aug 24 – changed testing of contacts to symptomatic only, reverted back to asymptomatic mid-Sept.

Cumulative Number of Deaths from COVID-19



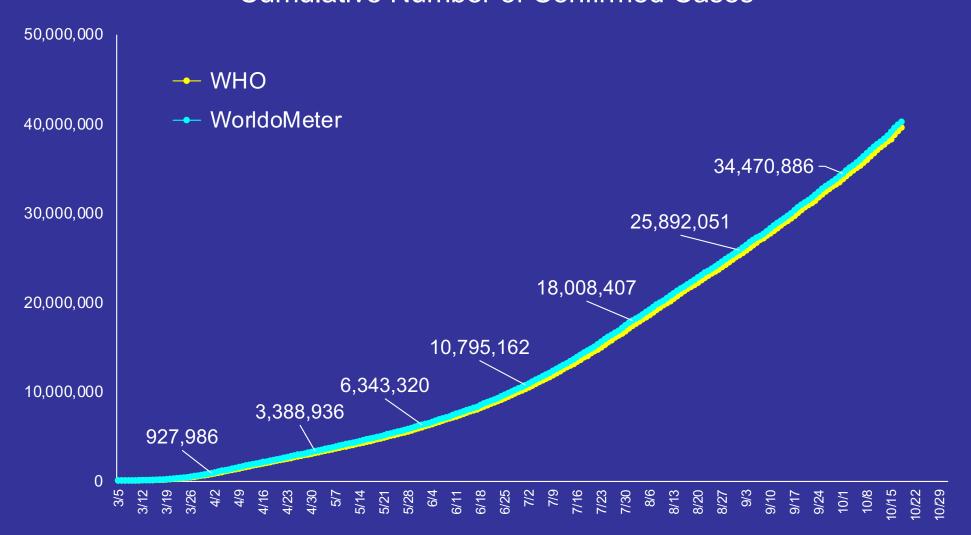
May 1 – many states loosened social distancing restrictions. Numbers given for the first of April, May, June, July, August and Sept. https://www.worldometers.info/coronavirus/#countries https://www.cdc.gov/coronavirus/2019-ncov/cases-in-us.html

Number of Deaths from COVID-19 by Day



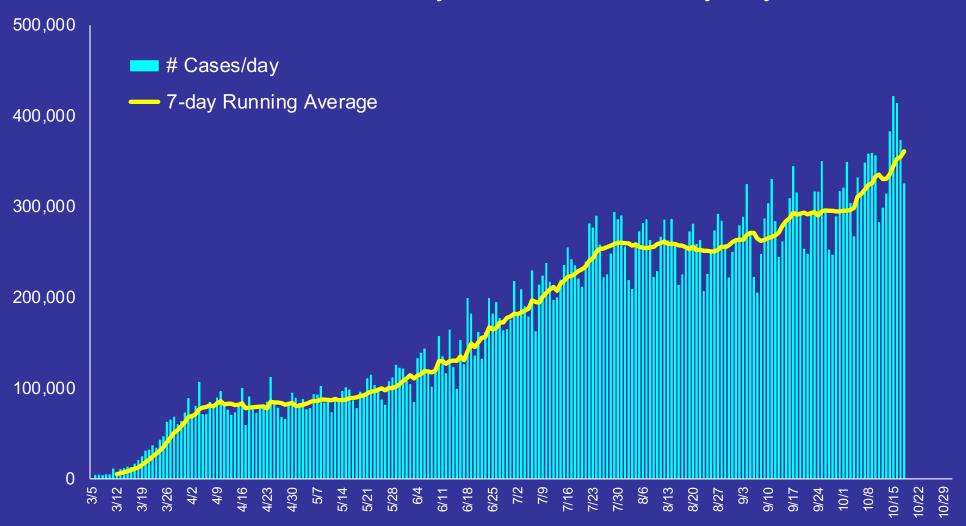
COVID-19 Situation World

Cumulative Number of Confirmed Cases

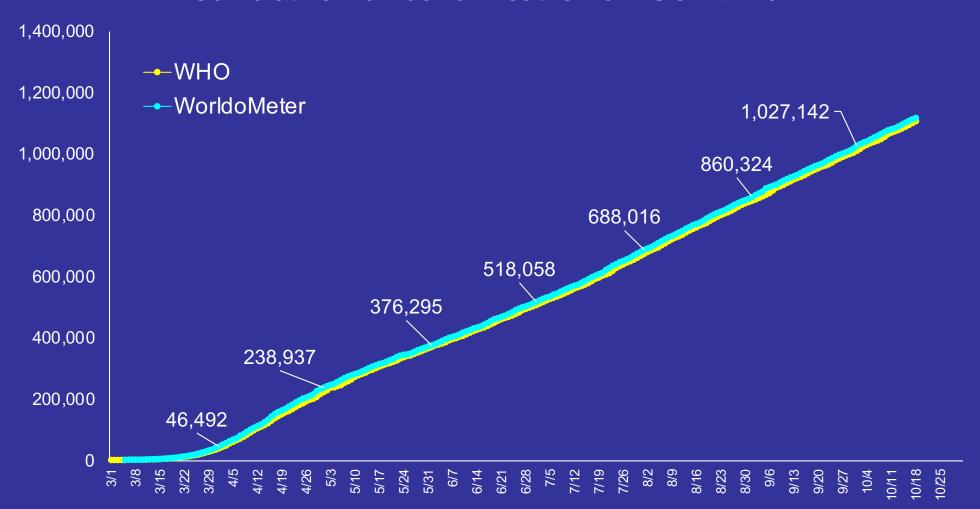


Numbers given for the first of April, May, June, July, August, Sept, and Oct.

Number of Newly Confirmed Cases by Day



Cumulative Number of Deaths from COVID-19



Numbers given for the first of April, May, June, July, August, and Sept.

Number of Deaths from COVID by Day

Deaths/Day — 7-day Running Average

