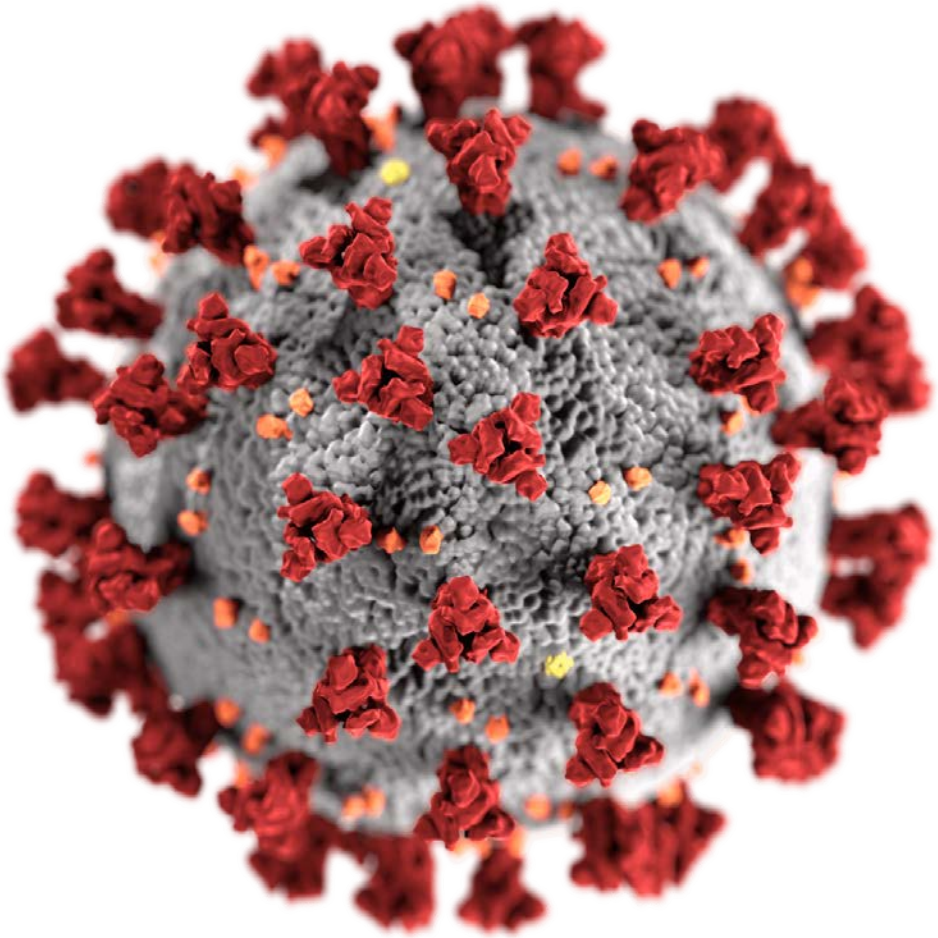
COVID-19



SIX MONTHS LATER

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- On **March 13, 2020**, President Trump declared a national emergency due to Covid-19. At the time, 2,204 people in the United States had tested positive for Covid-19 and 49 had died
- On **March 16**, an Imperial College London study estimated that 1.1 million people would die in the U.S. by the end of July
- The same day, President Trump announced “15-Day to Slow the Spread” initiative that urges nationwide social distancing
- **Six months later**, 187,600 people have died in the United States, including 1,229 in Wisconsin
- The following charts track the impact of Covid-19 on Wisconsin and the nation over the last six months

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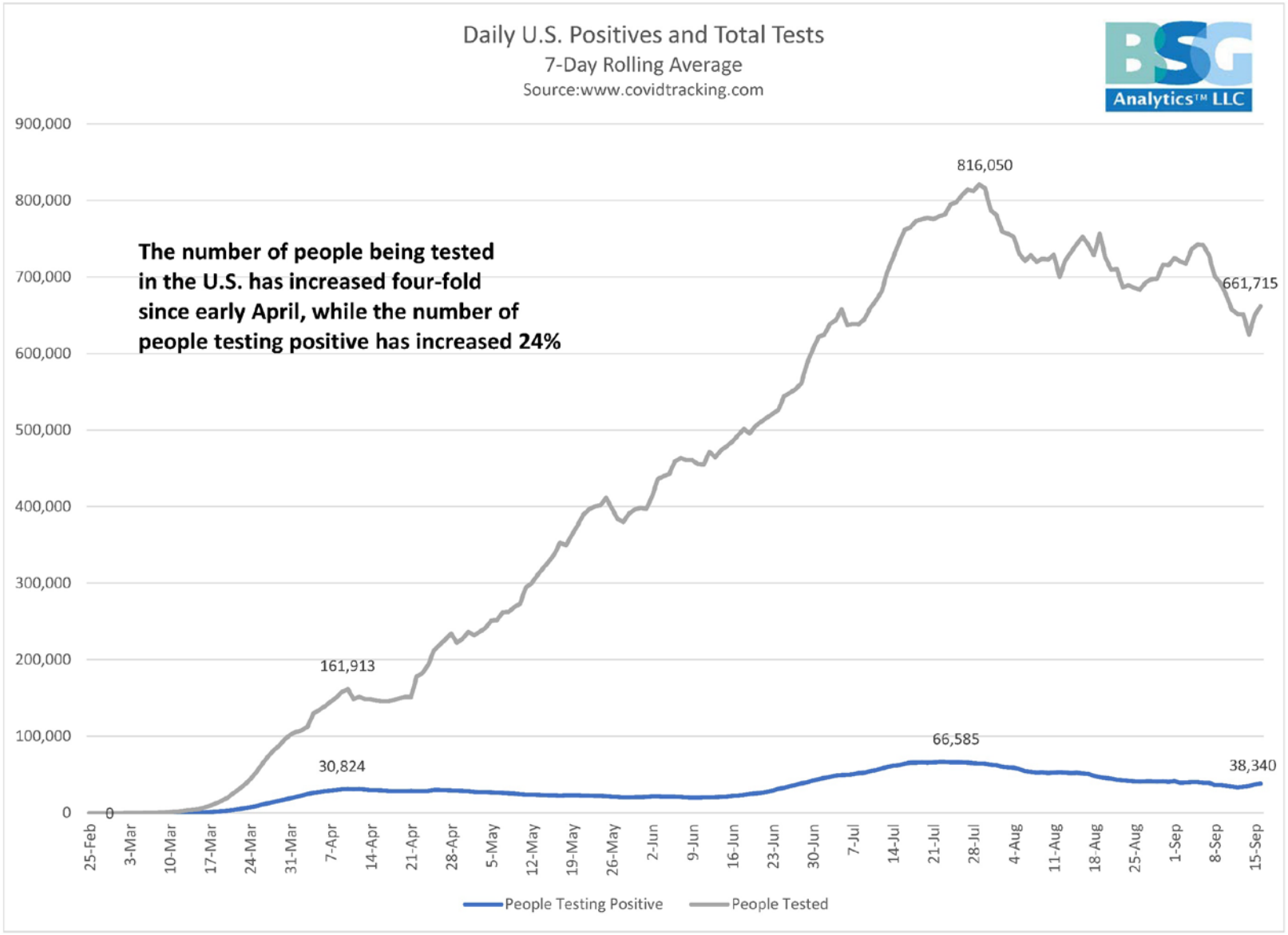
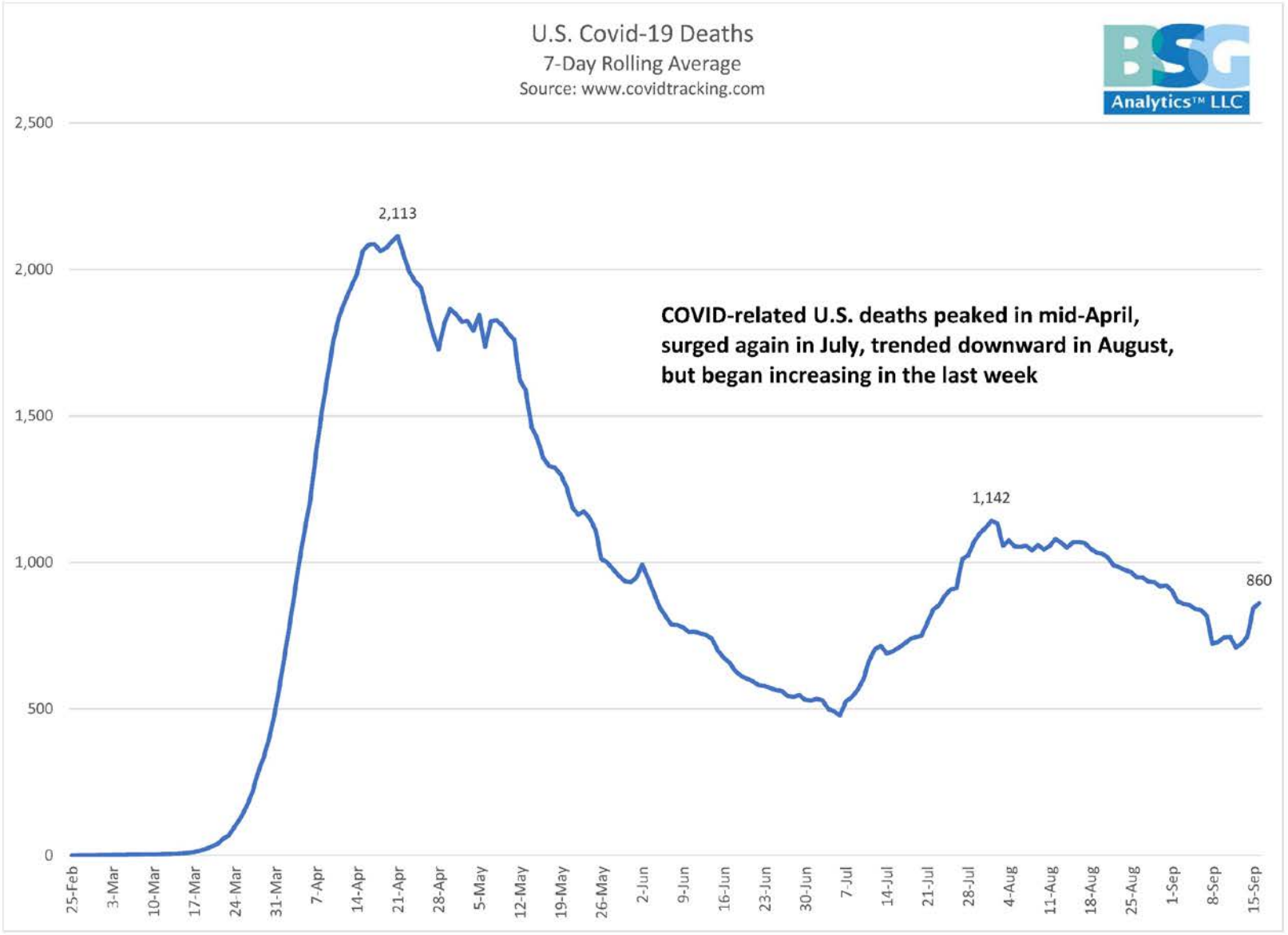
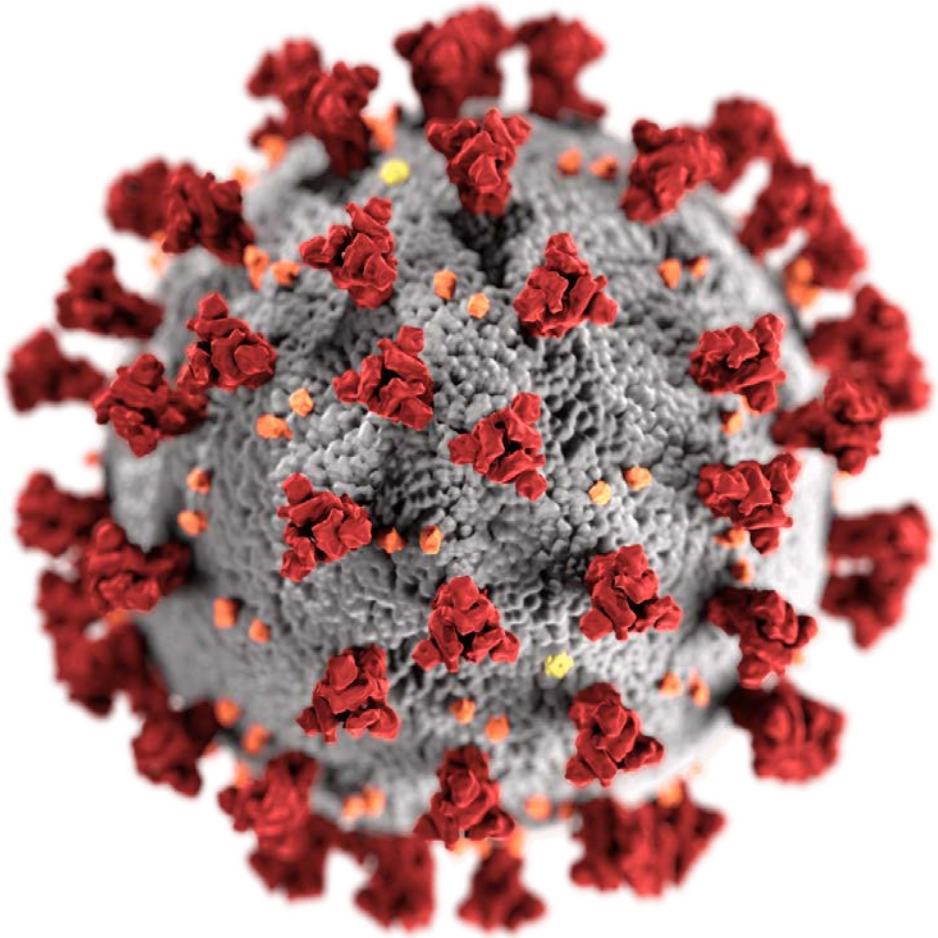

Daily U.S. Positives and Total Tests
7-Day Rolling Average
Source:www.covidtracking.com
BSG Analytics™ LLC
The number of people being tested in the U.S. has increased four-fold since early April, while the number of people testing positive has increased 24%
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
816,050
661,715
161,913
66,585
30,824
38,340
0
25-Feb
3-Mar
10-Mar
17-Mar
24-Mar
31-Mar
7-Apr
14-Apr
21-Apr
28-Apr
5-May
12-May
19-May
26-May
2-Jun
9-Jun
16-Jun
23-Jun
30-Jun
7-Jul
14-Jul
21-Jul
28-Jul
4-Aug
11-Aug
18-Aug
25-Aug
1-Sep
8-Sep
15-Sep
People Testing Positive
People Tested

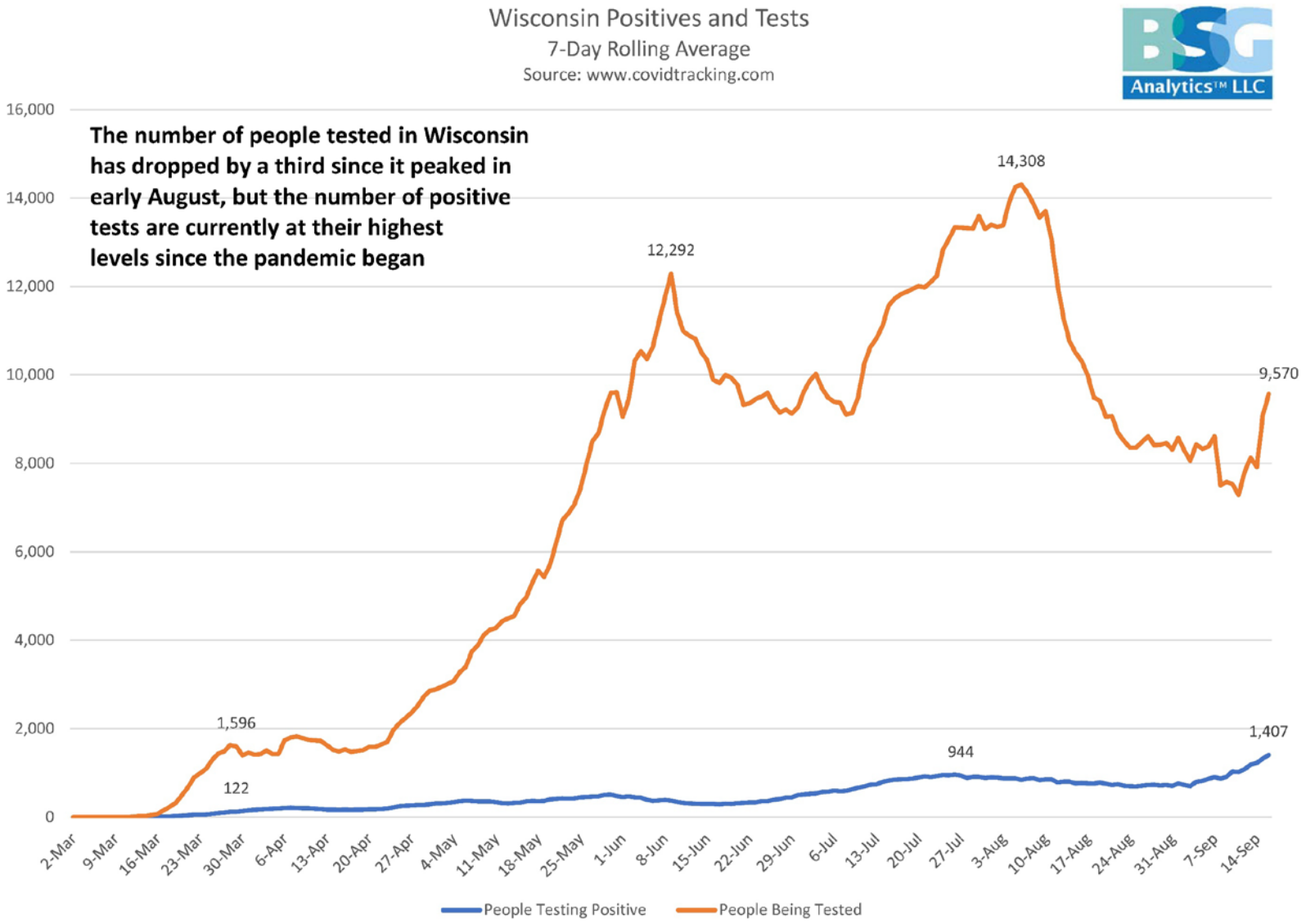

U.S. Covid-19 Deaths
7-Day Rolling Average
Source: www.covidtracking.com
BSG Analytics™ LLC
2,500
2,000
1,500
1,000
500
0
2,113
1,142
860
COVID-related U.S. deaths peaked in mid-April, surged again in July, trended downward in August, but began increasing in the last week
25-Feb
3-Mar
10-Mar
17-Mar
24-Mar
31-Mar
7-Apr
14-Apr
21-Apr
28-Apr
5-May
12-May
19-May
26-May
2-Jun
9-Jun
16-Jun
23-Jun
30-Jun
7-Jul
14-Jul
21-Jul
28-Jul
4-Aug
11-Aug
18-Aug
25-Aug
1-Sep
8-Sep
15-Sep

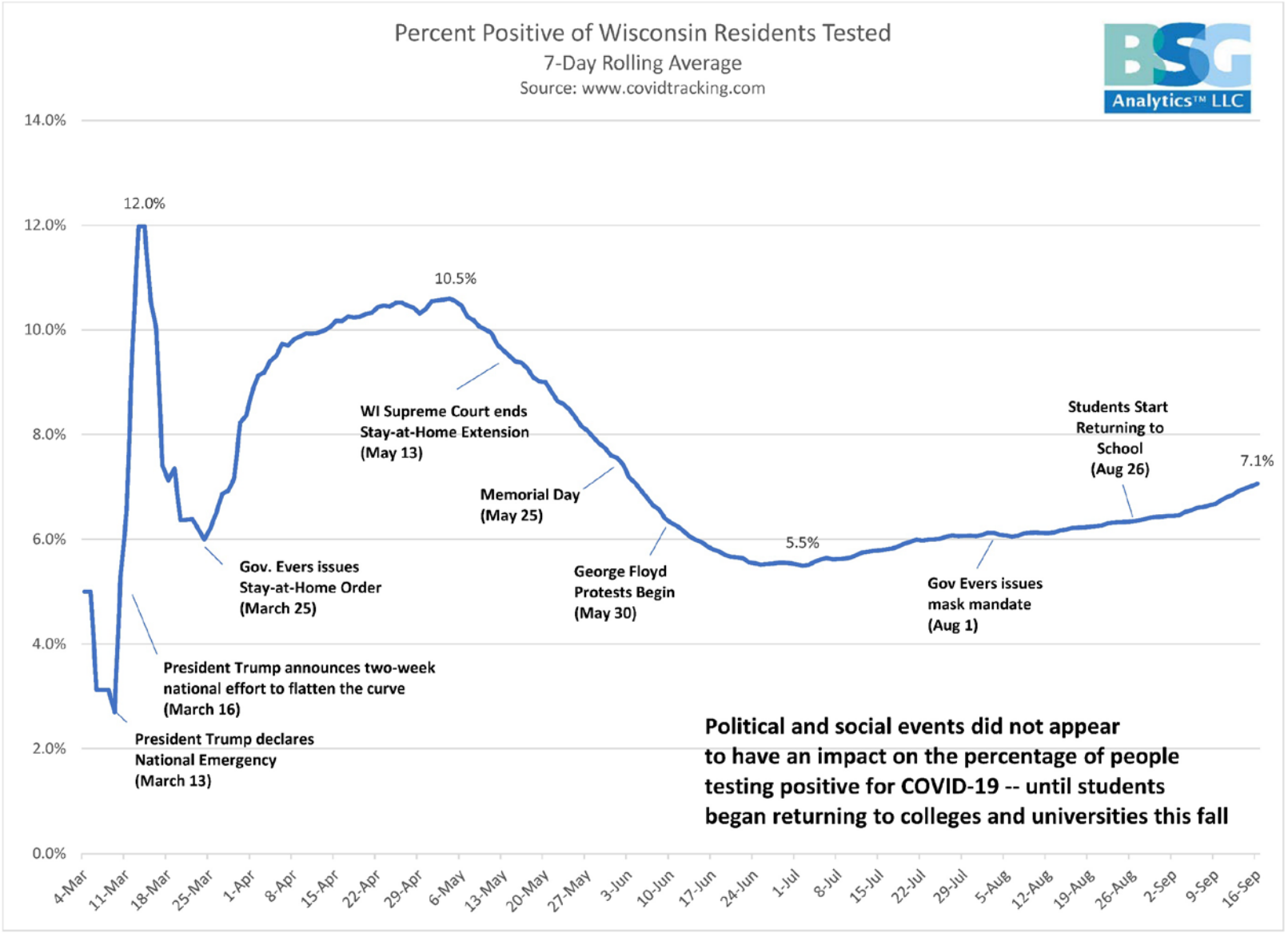
COVID-19

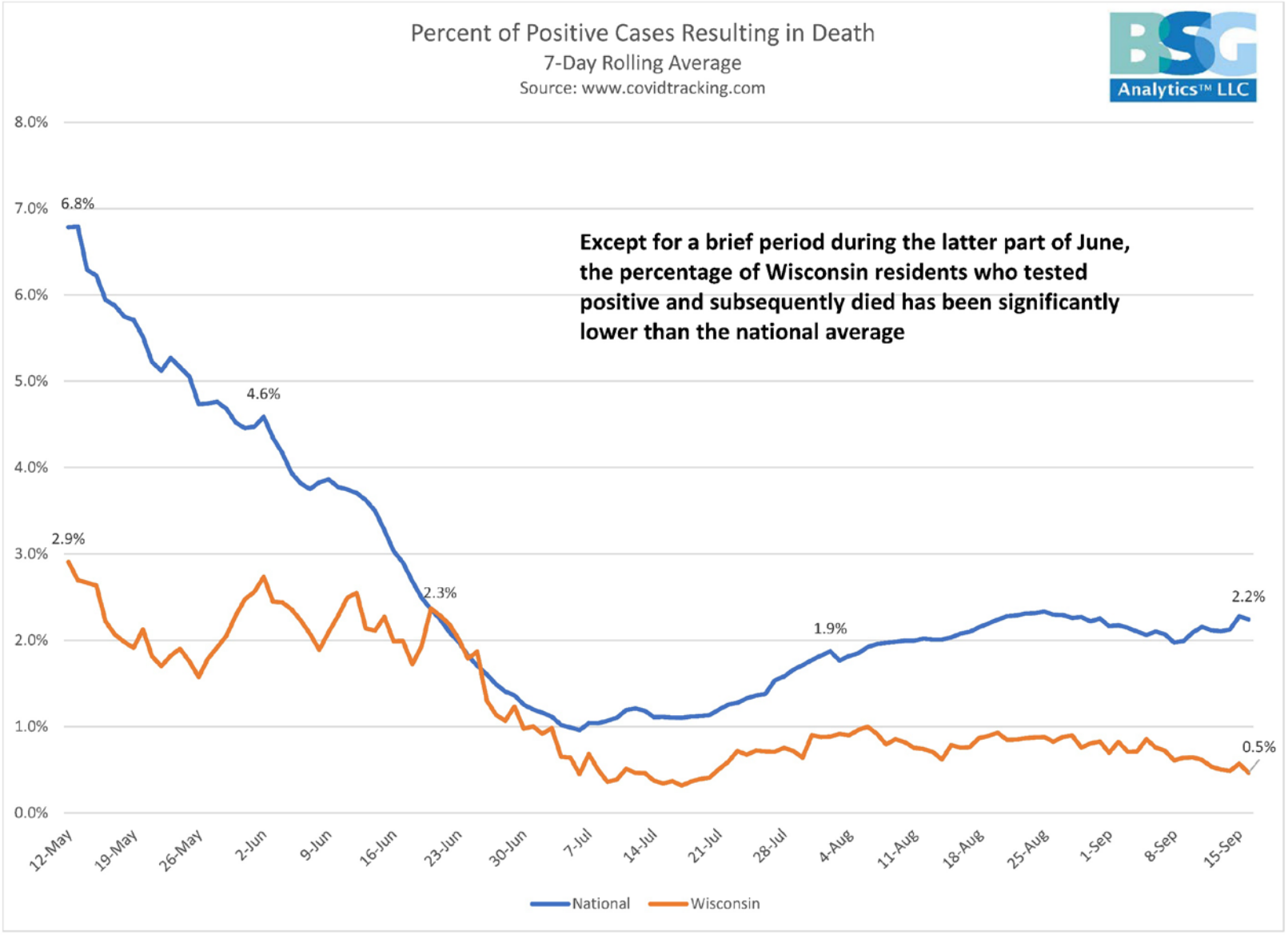


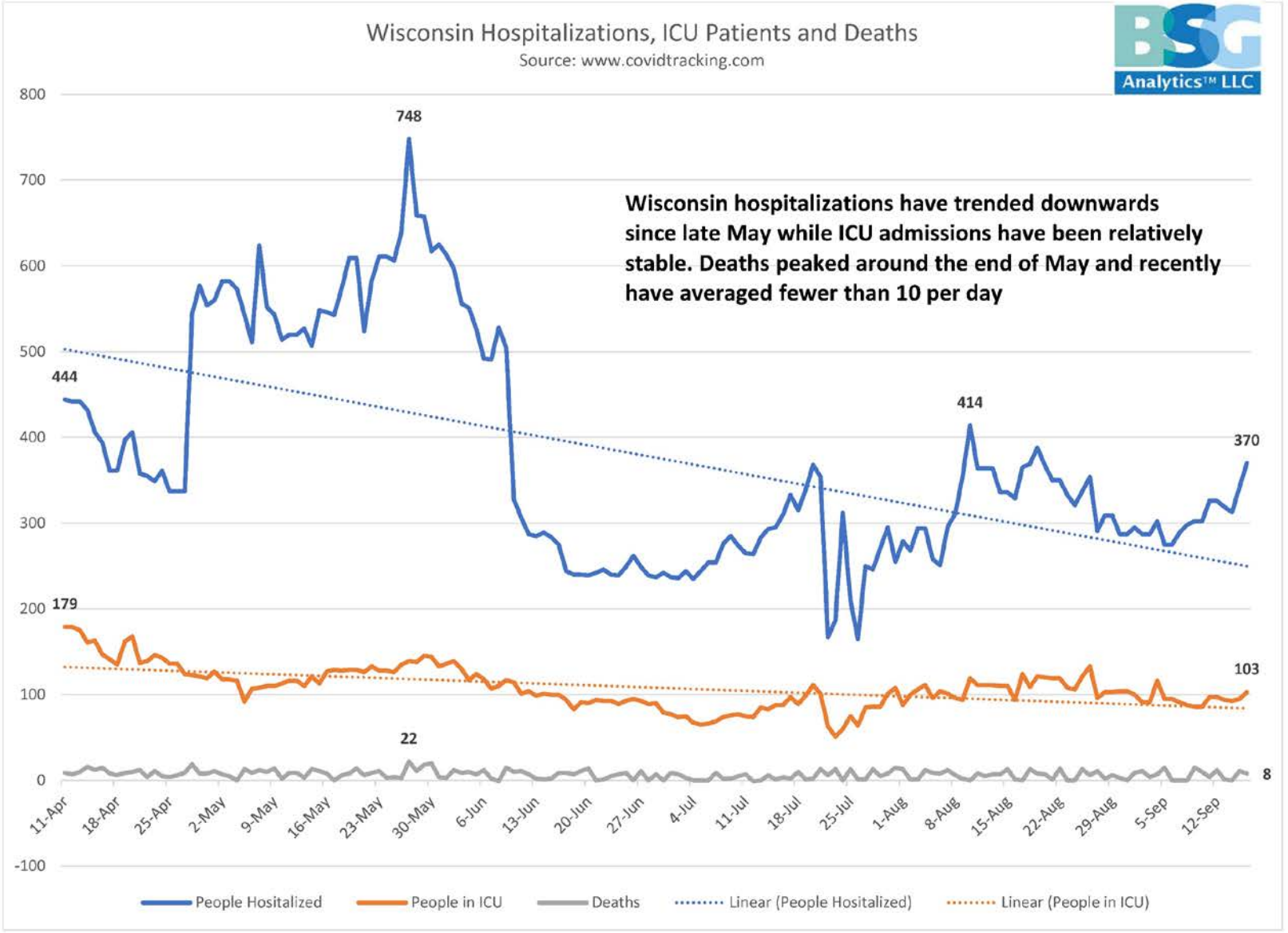
WISCONSIN

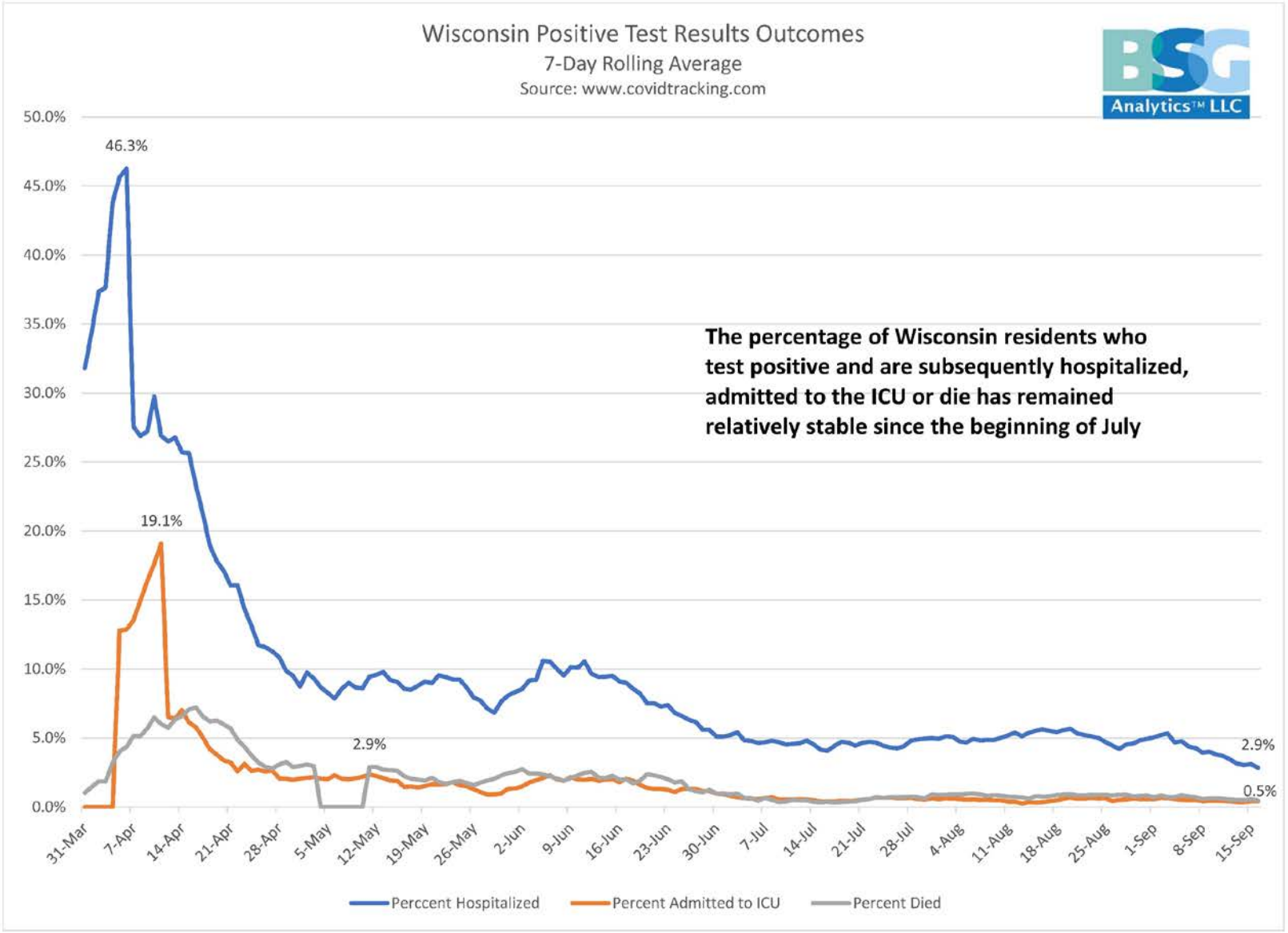
BSG Analytics™ LLC


Wisconsin Positives and Tests
7-Day Rolling Average
Source: www.covidtracking.com
BSG Analytics™ LLC
The number of people tested in Wisconsin has dropped by a third since it peaked in early August, but the number of positive tests are currently at their highest levels since the pandemic began
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
14,308
12,292
9,570
1,596
1,407
944
122
2-Mar
9-Mar
16-Mar
23-Mar
30-Mar
6-Apr
13-Apr
20-Apr
27-Apr
4-May
11-May
18-May
25-May
1-Jun
8-Jun
15-Jun
22-Jun
29-Jun
6-Jul
13-Jul
20-Jul
27-Jul
3-Aug
10-Aug
17-Aug
24-Aug
31-Aug
7-Sep
14-Sep
People Testing Positive
People Being Tested


Percent Positive of Wisconsin Residents Tested
7-Day Rolling Average
Source: www.covidtracking.com
BSG Analytics™ LLC
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
12.0%
10.5%
5.5%
7.1%
President Trump declares National Emergency (March 13)
President Trump announces two-week national effort to flatten the curve (March 16)
Gov. Evers issues Stay-at-Home Order (March 25)
WI Supreme Court ends Stay-at-Home Extension (May 13)
Memorial Day (May 25)
George Floyd Protests Begin (May 30)
Gov Evers issues mask mandate (Aug 1)
Students Start Returning to School (Aug 26)
Political and social events did not appear to have an impact on the percentage of people testing positive for COVID-19 -- until students began returning to colleges and universities this fall
4-Mar
11-Mar
18-Mar
25-Mar
1-Apr
8-Apr
15-Apr
22-Apr
29-Apr
6-May
13-May
20-May
27-May
3-Jun
10-Jun
17-Jun
24-Jun
1-Jul
8-Jul
15-Jul
22-Jul
29-Jul
5-Aug
12-Aug
19-Aug
26-Aug
2-Sep
9-Sep
16-Sep


Percent of Positive Cases Resulting in Death
7-Day Rolling Average
Source: www.covidtracking.com
BSG Analytics™ LLC
Except for a brief period during the latter part of June, the percentage of Wisconsin residents who tested positive and subsequently died has been significantly lower than the national average
8.0%
7.0%
6.0%
5.0%
4.0%
3.0%
2.0%
1.0%
0.0%
6.8%
4.6%
2.3%
1.9%
2.2%
2.9%
0.5%
12-May
19-May
26-May
2-Jun
9-Jun
16-Jun
23-Jun
30-Jun
7-Jul
14-Jul
21-Jul
28-Jul
4-Aug
11-Aug
18-Aug
25-Aug
1-Sep
8-Sep
15-Sep
National
Wisconsin


Wisconsin Hospitalizations, ICU Patients and Deaths
Source: www.covidtracking.com
BSG Analytics™ LLC
Wisconsin hospitalizations have trended downwards since late May while ICU admissions have been relatively stable. Deaths peaked around the end of May and recently have averaged fewer than 10 per day
800
700
600
500
400
300
200
100
0
-100
748
444
414
370
179
103
22
8
11-Apr
18-Apr
25-Apr
2-May
9-May
16-May
23-May
30-May
6-Jun
13-Jun
20-Jun
27-Jun
4-Jul
11-Jul
18-Jul
25-Jul
1-Aug
8-Aug
15-Aug
22-Aug
29-Aug
5-Sep
12-Sep
People Hositalized
People in ICU
Deaths
Linear (People Hositalized)
Linear (People in ICU)

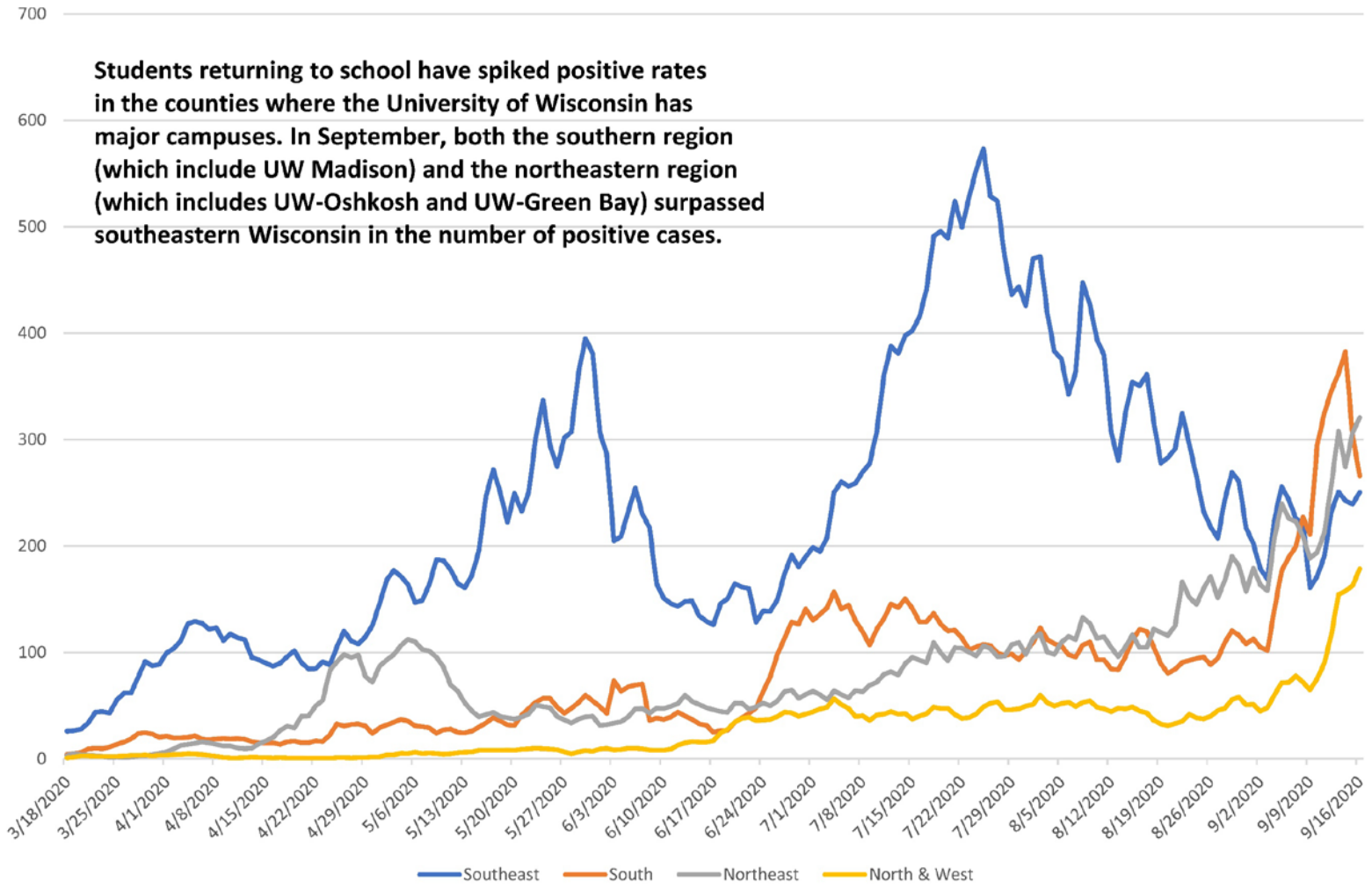

Wisconsin Positive Test Results Outcomes
7-Day Rolling Average
Source: www.covidtracking.com
BSG Analytics™ LLC
The percentage of Wisconsin residents who test positive and are subsequently hospitalized, admitted to the ICU or die has remained relatively stable since the beginning of July
46.3%
19.1%
2.9%
2.9%
0.5%
50.0%
45.0%
40.0%
35.0%
30.0%
25.0%
20.0%
15.0%
10.0%
5.0%
0.0%
31-Mar
7-Apr
14-Apr
21-Apr
28-Apr
5-May
12-May
19-May
26-May
2-Jun
9-Jun
16-Jun
23-Jun
30-Jun
7-Jul
14-Jul
21-Jul
28-Jul
4-Aug
11-Aug
18-Aug
25-Aug
1-Sep
8-Sep
15-Sep
Perccent Hospitalized
Percent Admitted to ICU
Percent Died

People Testing Positive - 5-Day Rolling Average

Counties > 75,000 Population

Source: Wisconsin Department of Health Services

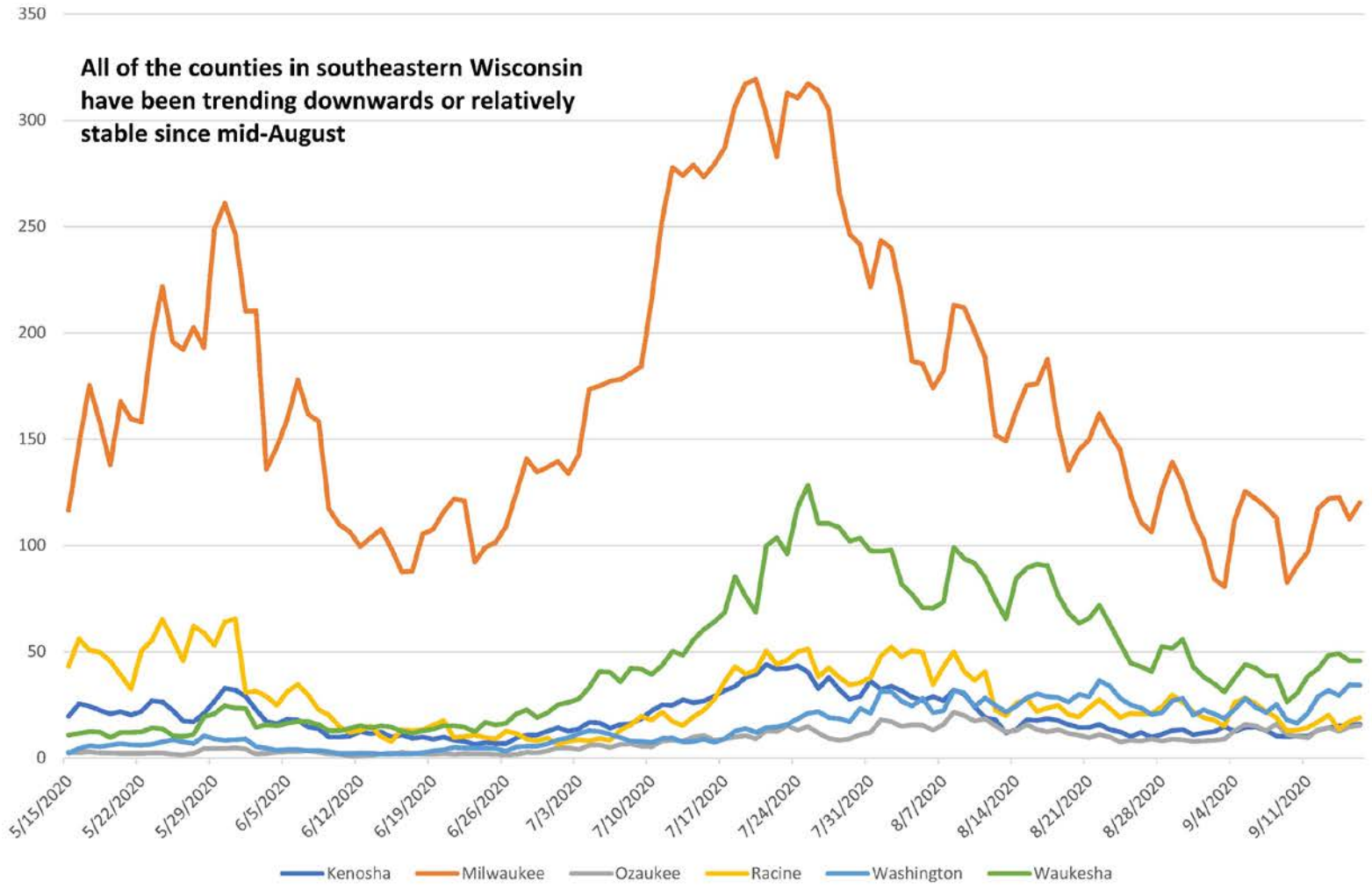
BSG Analytics™ LLC

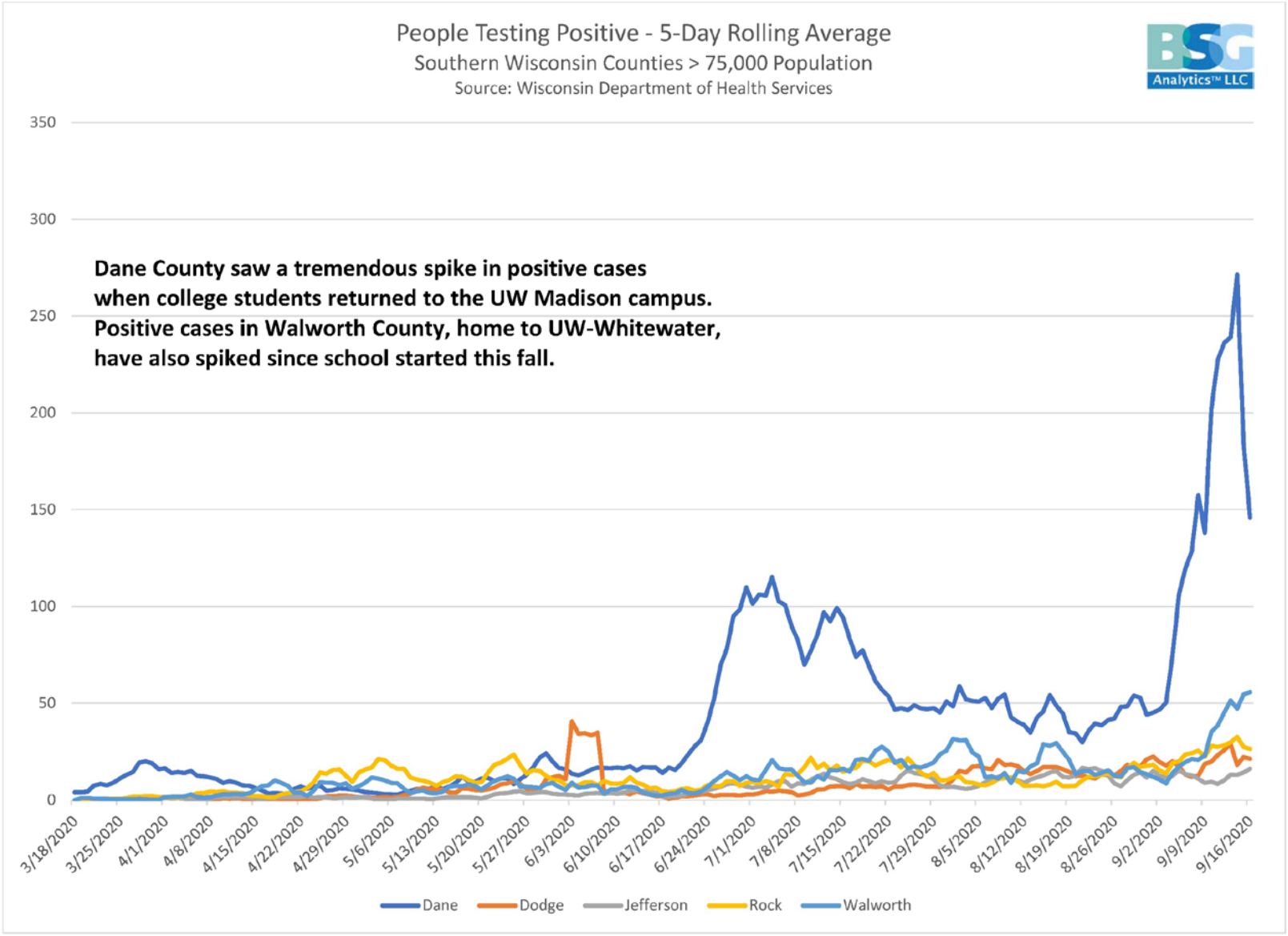


People Testing Positive - 5-Day Rolling Average

Southeastern Wisconsin Counties > 75,000 Population

Source: Wisconsin Department of Health Services



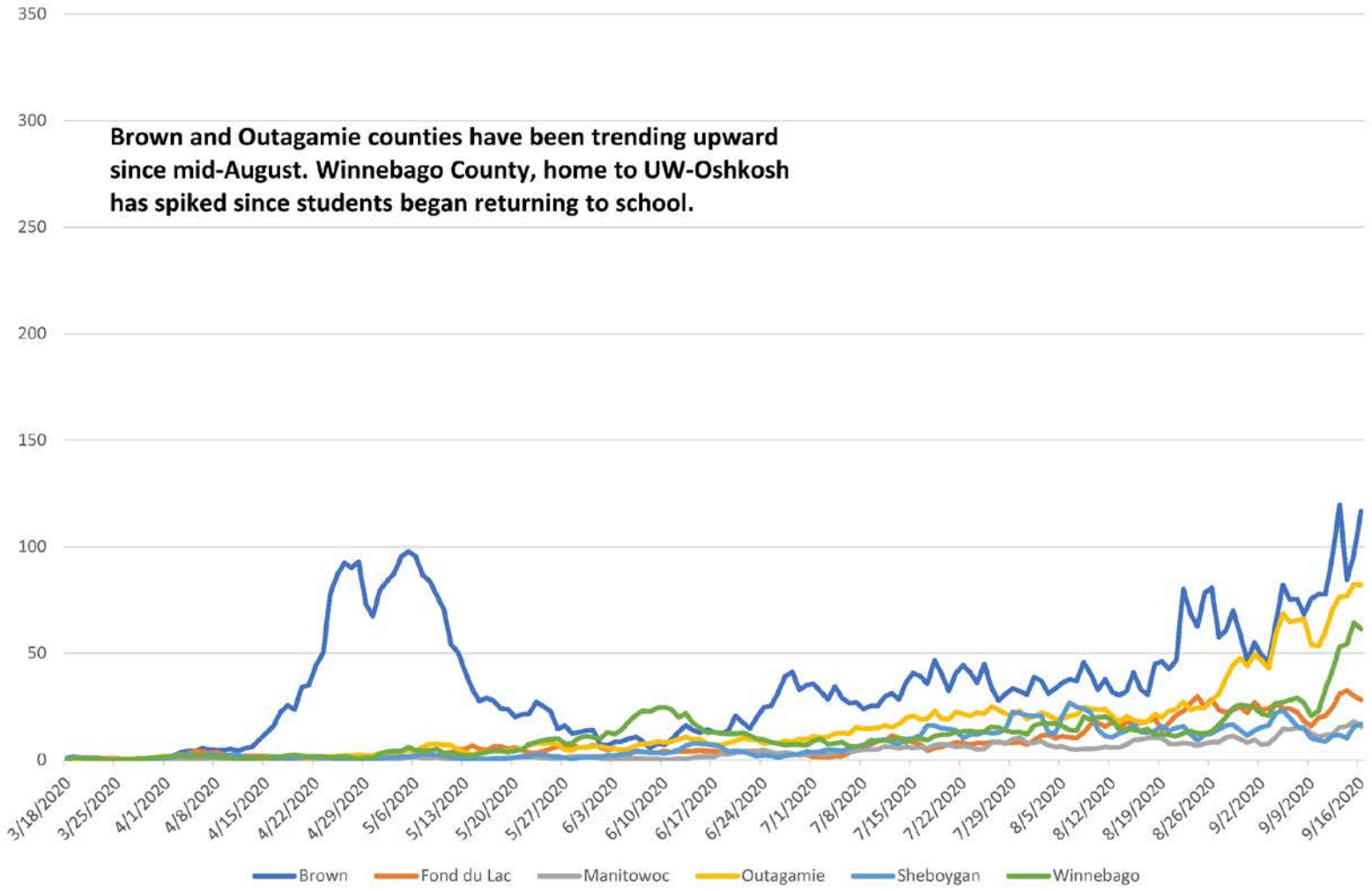

People Testing Positive - 5-Day Rolling Average
Southern Wisconsin Counties > 75,000 Population
Source: Wisconsin Department of Health Services
BSG Analytics™ LLC
Dane County saw a tremendous spike in positive cases when college students returned to the UW Madison campus. Positive cases in Walworth County, home to UW-Whitewater, have also spiked since school started this fall.
350
300
250
200
150
100
50
0
3/18/2020
3/25/2020
4/1/2020
4/8/2020
4/15/2020
4/22/2020
4/29/2020
5/6/2020
5/13/2020
5/20/2020
5/27/2020
6/3/2020
6/10/2020
6/17/2020
6/24/2020
7/1/2020
7/8/2020
7/15/2020
7/22/2020
7/29/2020
8/5/2020
8/12/2020
8/19/2020
8/26/2020
9/2/2020
9/9/2020
9/16/2020
Dane
Dodge
Jefferson
Rock
Walworth

People Testing Positive - 5-Day Rolling Average

Northeastern Wisconsin Counties > 75,000 Population

Source: Wisconsin Department of Health Services

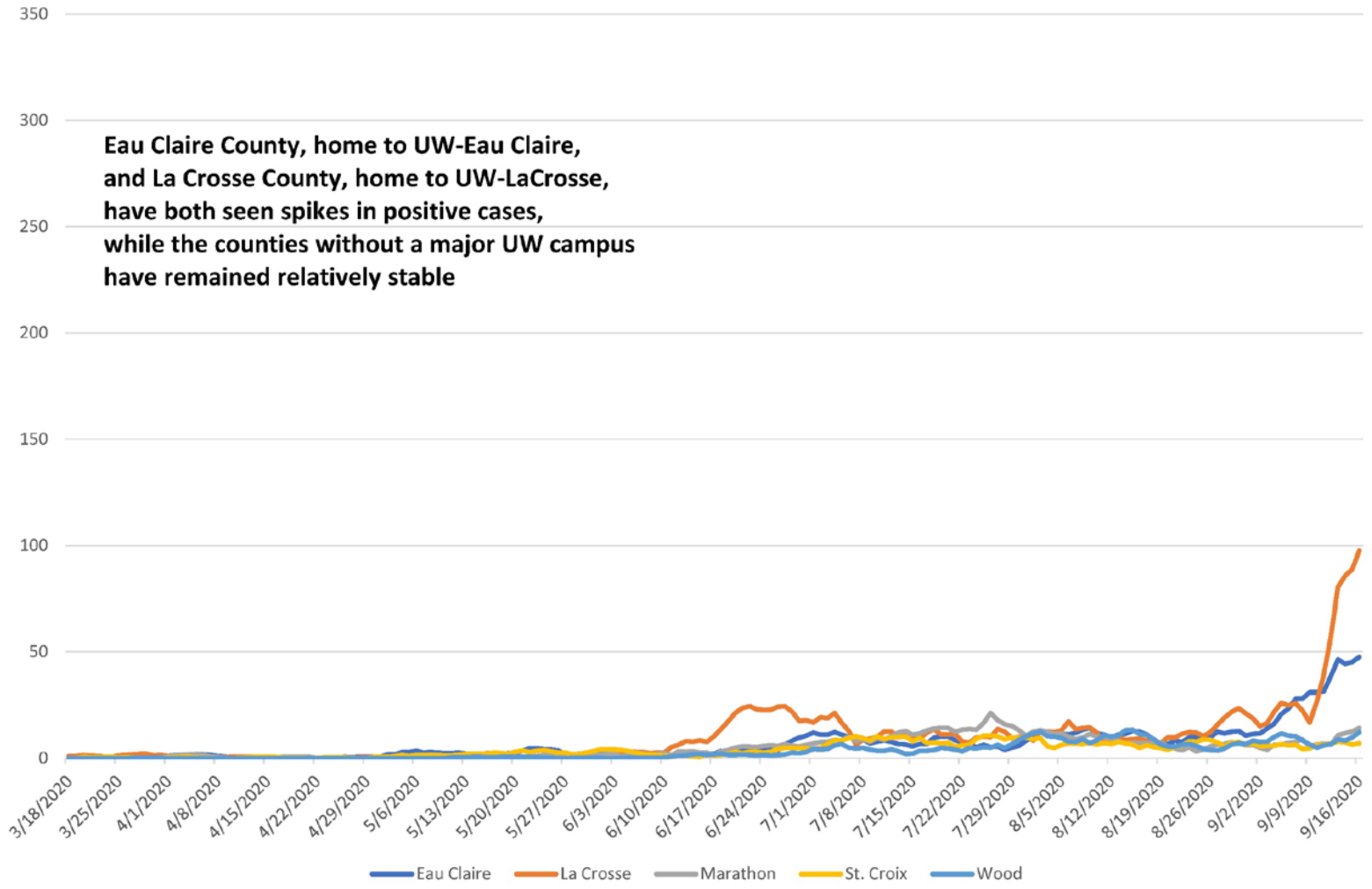
BSG Analytics™ LLC



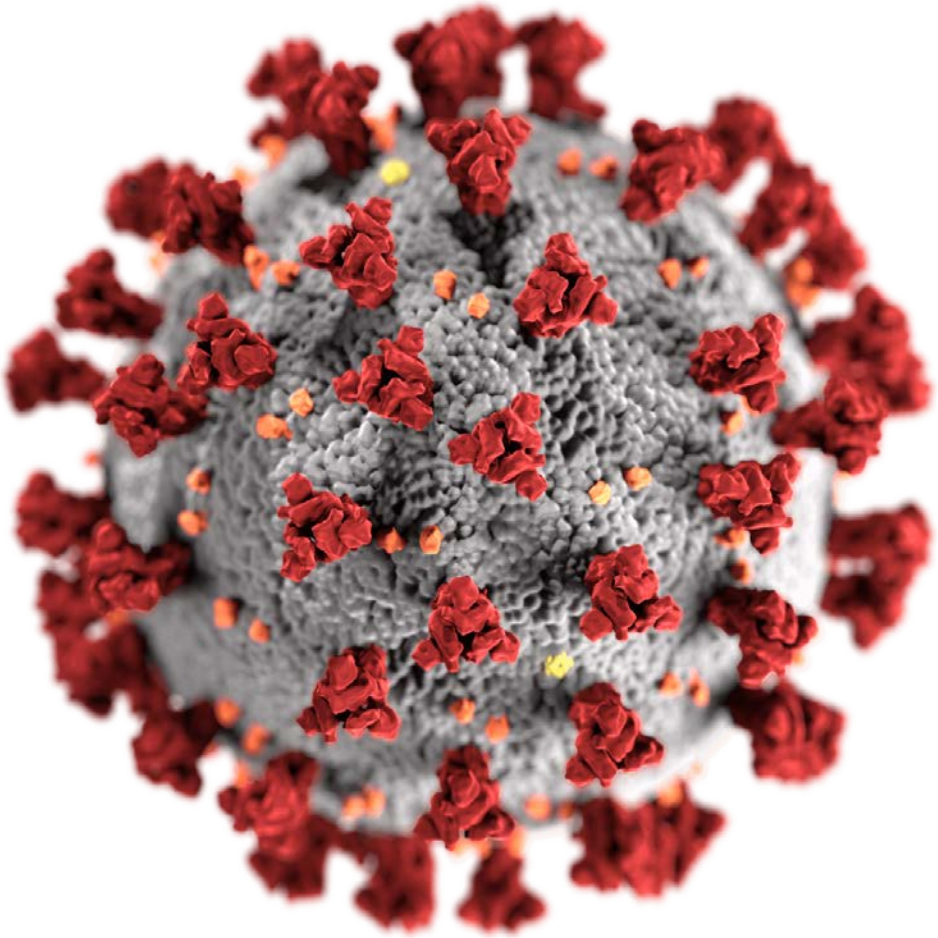
People Testing Positive - 5-Day Rolling Average

Northern and Western Counties > 75,000 Population

Source: Wisconsin Department of Health Services



COVID-19



TODAY

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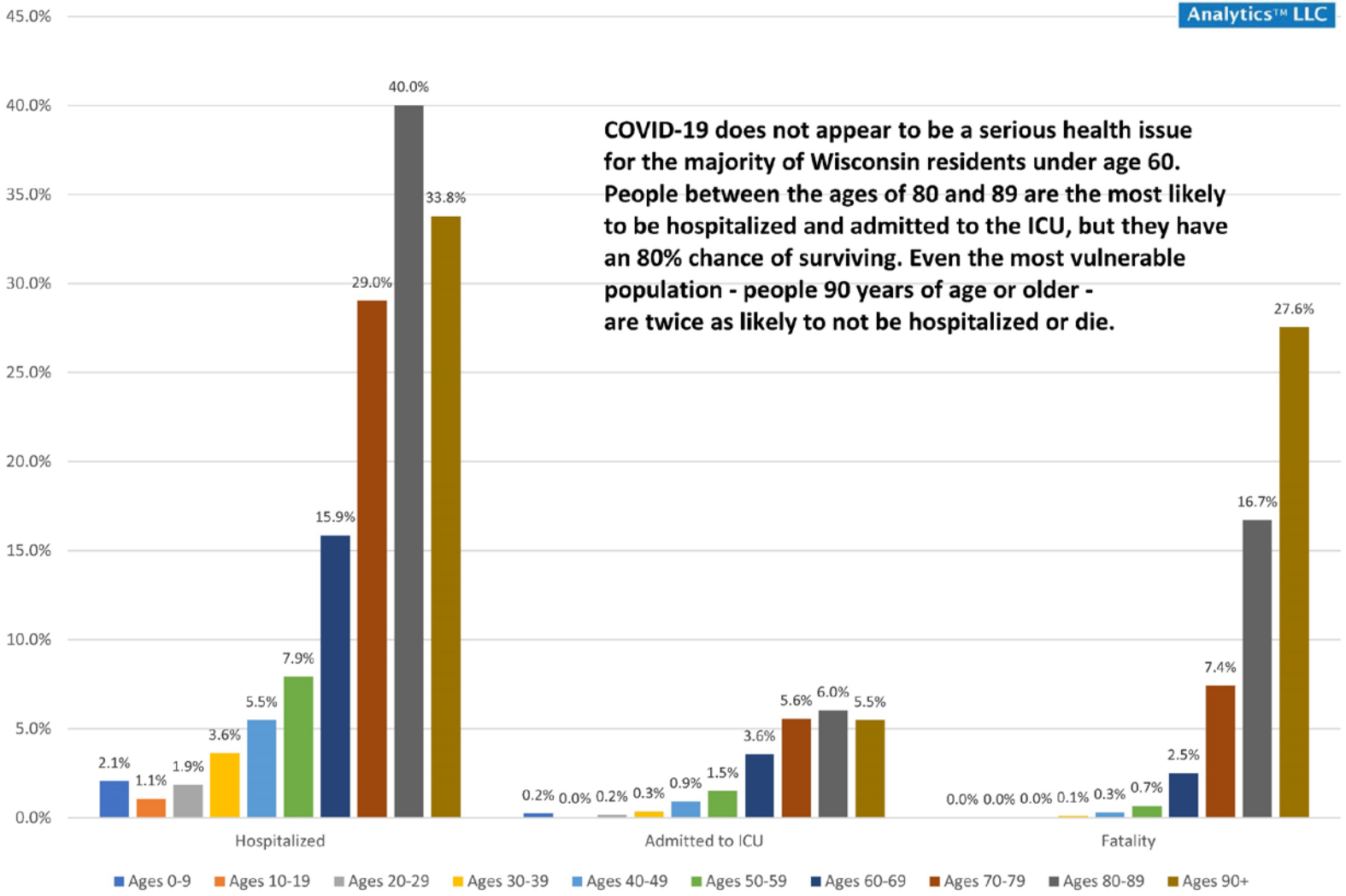
Outcomes for Wisconsin Residents Who Test Positive by Age Group

Source: Wisconsin Department of Health Services

BSG Analytics™ LLC

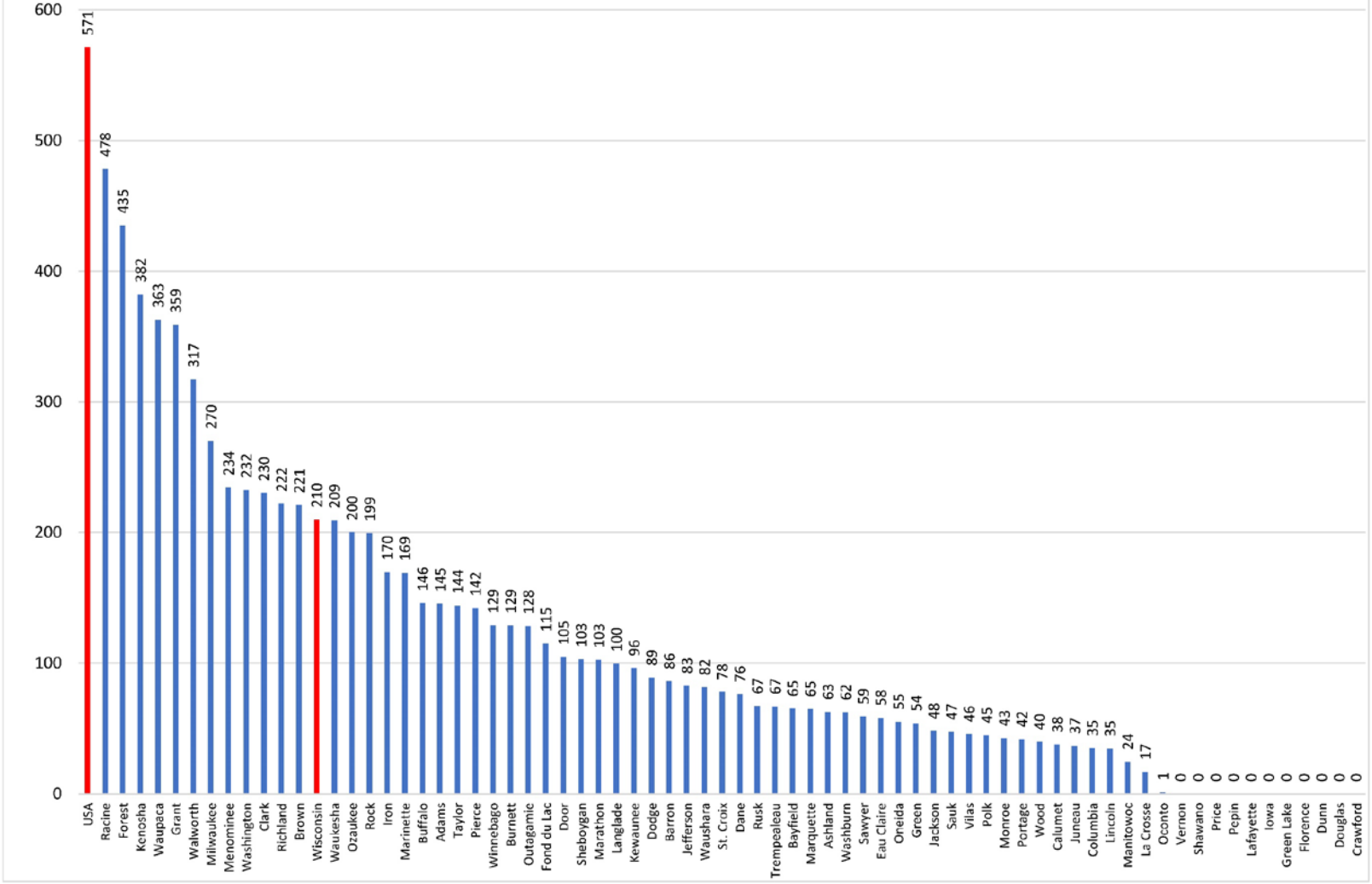


COVID-19 does not appear to be a serious health issue for the majority of Wisconsin residents under age 60. People between the ages of 80 and 89 are the most likely to be hospitalized and admitted to the ICU, but they have an 80% chance of surviving. Even the most vulnerable population - people 90 years of age or older - are twice as likely to not be hospitalized or die.

Fatalities Per Million by Wisconsin County

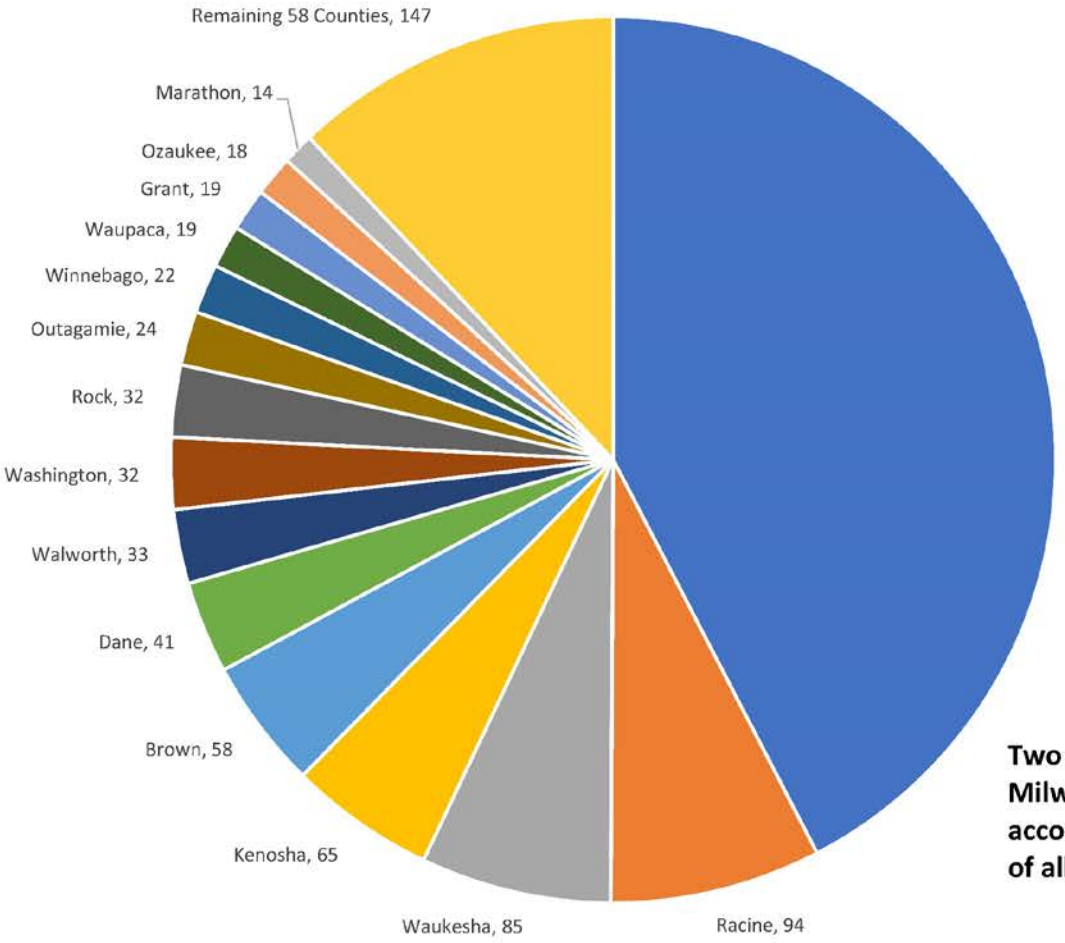
Source: Wisconsin Department of Health Services

BSG Analytics™ LLC



Number of COVID-19 Deaths by County

Source: www.covidtracker.com



Two counties - Milwaukee and Racine - account for almost half of all deaths in Wisconsin

INTERNATIONAL COMPARISONS

United States compared to G-7 Industrial Countries

source: www.worldometers.com

The United States leads the industrialized world in positive cases per million, but has the second-lowest death rate (the percentage of positive cases that result in death

TESTS PER MILLION

Rank	Country	Tests Per Million
1	United Kingdom	301,952
2	**United States**	**284,746**
3	Spain	230,050
4	Germany	173,627
5	Italy	166,183
6	France	153,129
7	Japan	13,976

CASES PER MILLION

Rank	Country	Cases Per Million
1	**United States**	**20,603**
2	Spain	13,139
3	France	6,200
4	United Kingdom	5,565
5	Italy	4,822
6	Germany	3,183
7	Japan	605

DEATHS PER MILLION

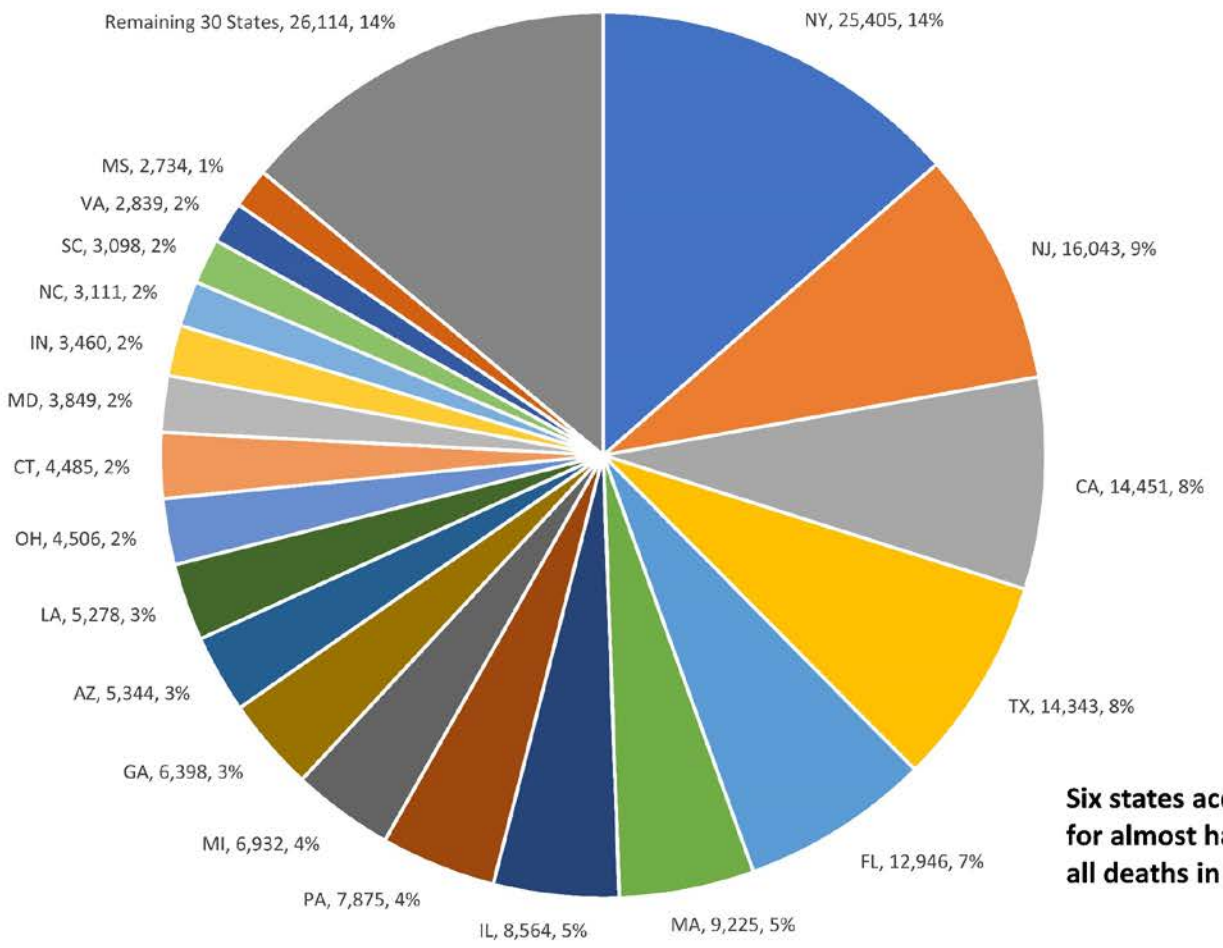
Rank	Country	Deaths Per Million
1	Spain	647
2	United Kingdom	613
3	**United States**	**608**
4	Italy	590
5	France	475
6	Germany	113
7	Japan	12

DEATH RATE (AS PERCENT OF CASES)

Rank	Country	Death Rate
1	Italy	12.2%
2	United Kingdom	11.0%
3	France	7.7%
4	Spain	4.9%
5	Germany	3.6%
6	**United States**	**3.0%**
7	Japan	2.0%

Cumulative COVID-19 Deaths by State

Source. www.covidtracking.com



Six states account for almost half of all deaths in the nation