Health Industry Advisor, llc

"Strategic Advice in an Era of Unprecedented Change"

Covid-19 "Vital Signs"

Issue # 346

September 7, 2021

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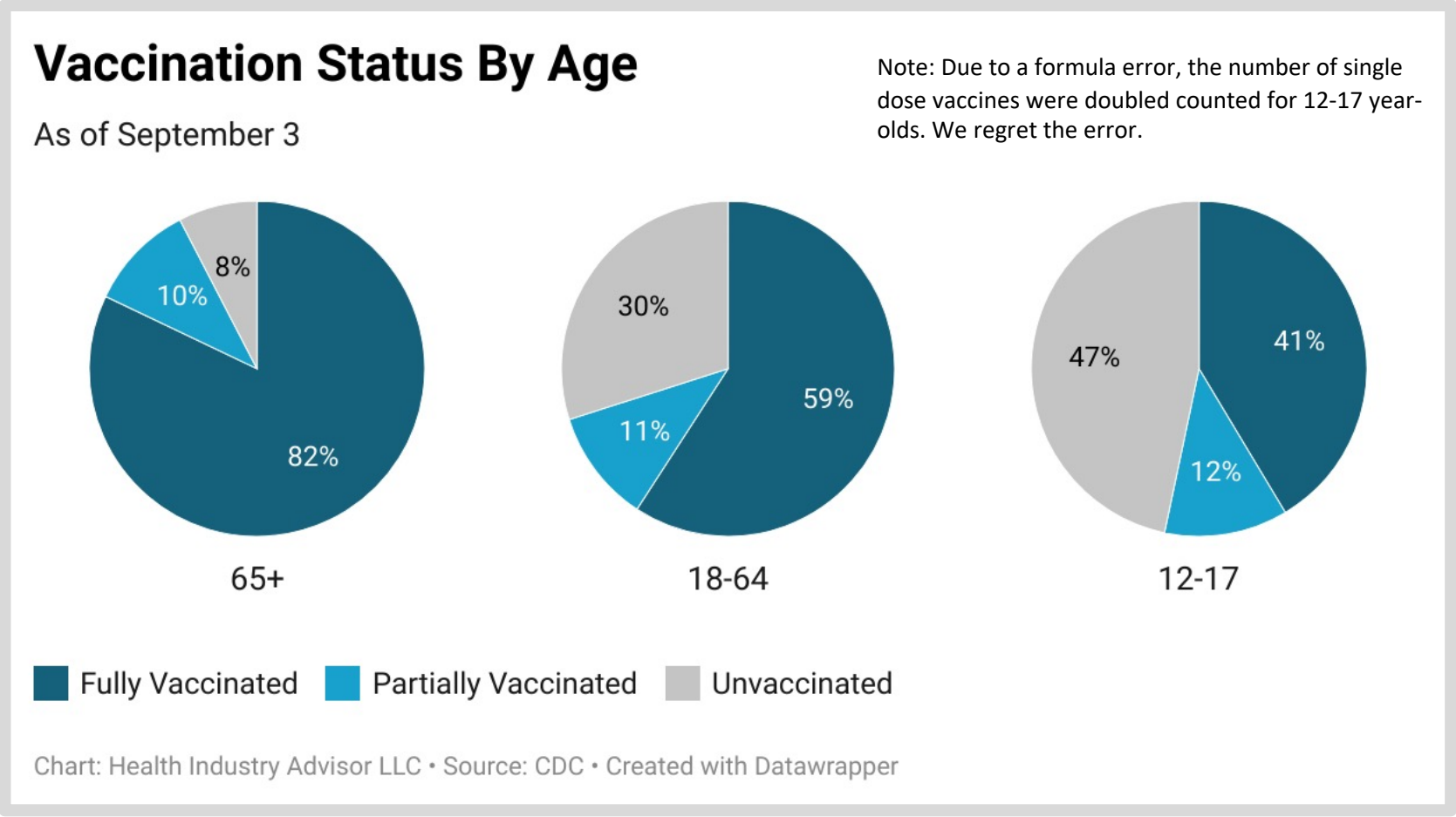
Vaccination Status By Age – United States

Nearly 60% of non-senior adults are fully vaccinated. Two of every five 12-to-17 year-olds have reached this milestone.



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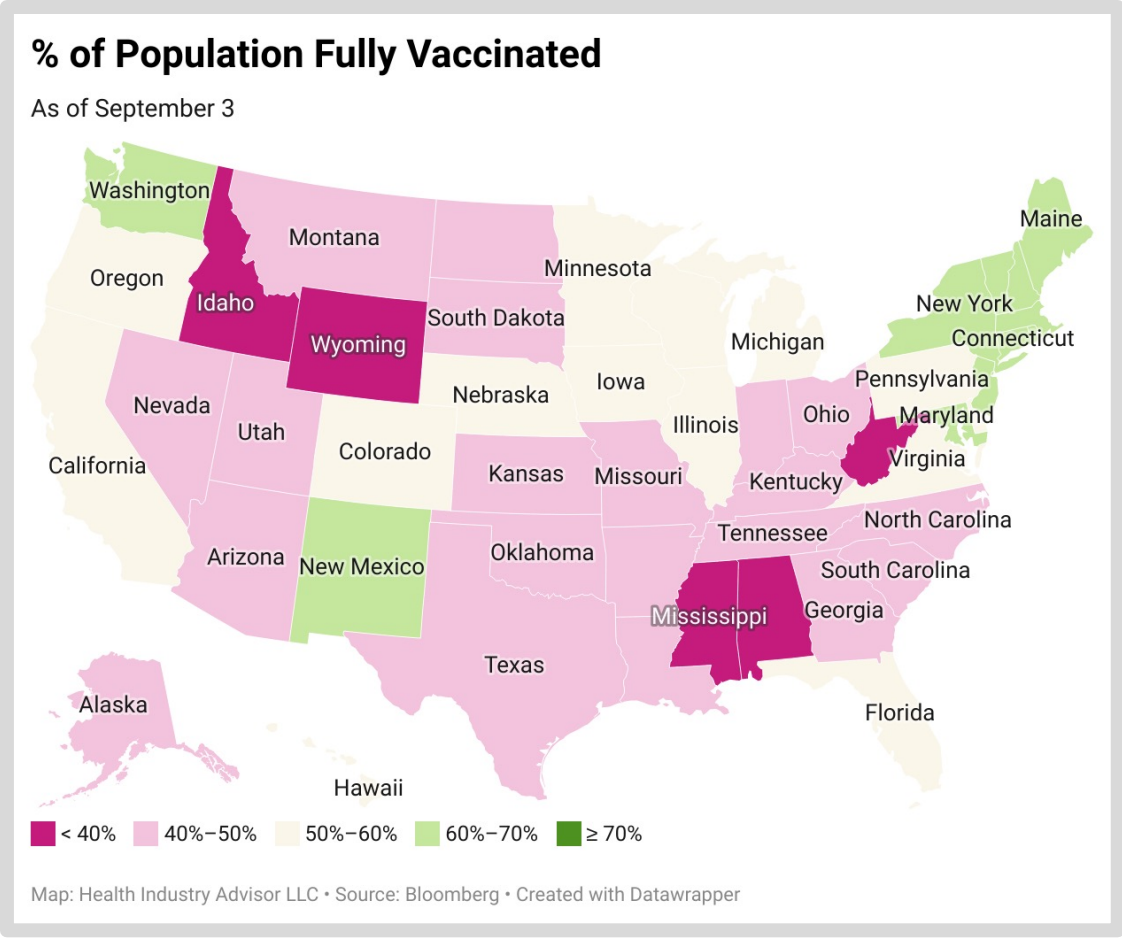
Vaccine Tracking - % of Adult Population Vaccinated

New England states are setting a strong pace in vaccinations. Maryland, New Mexico, and Washington are doing well too. Alabama, Idaho, Mississippi, and Wyoming are lagging with this effort.



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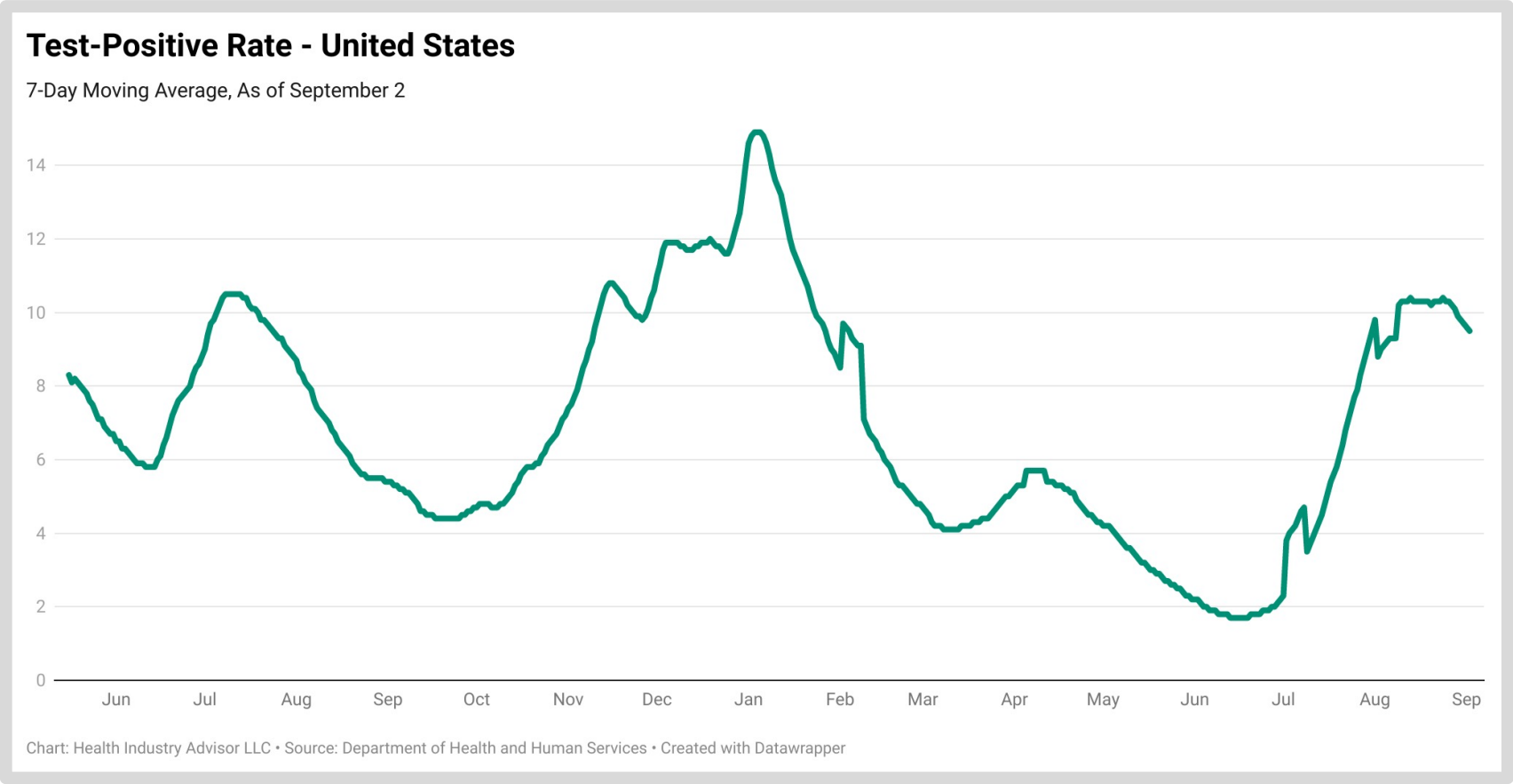
Test-Positive Rate

Encouragingly, the test-positive rate stabilized in early August and is now declining.



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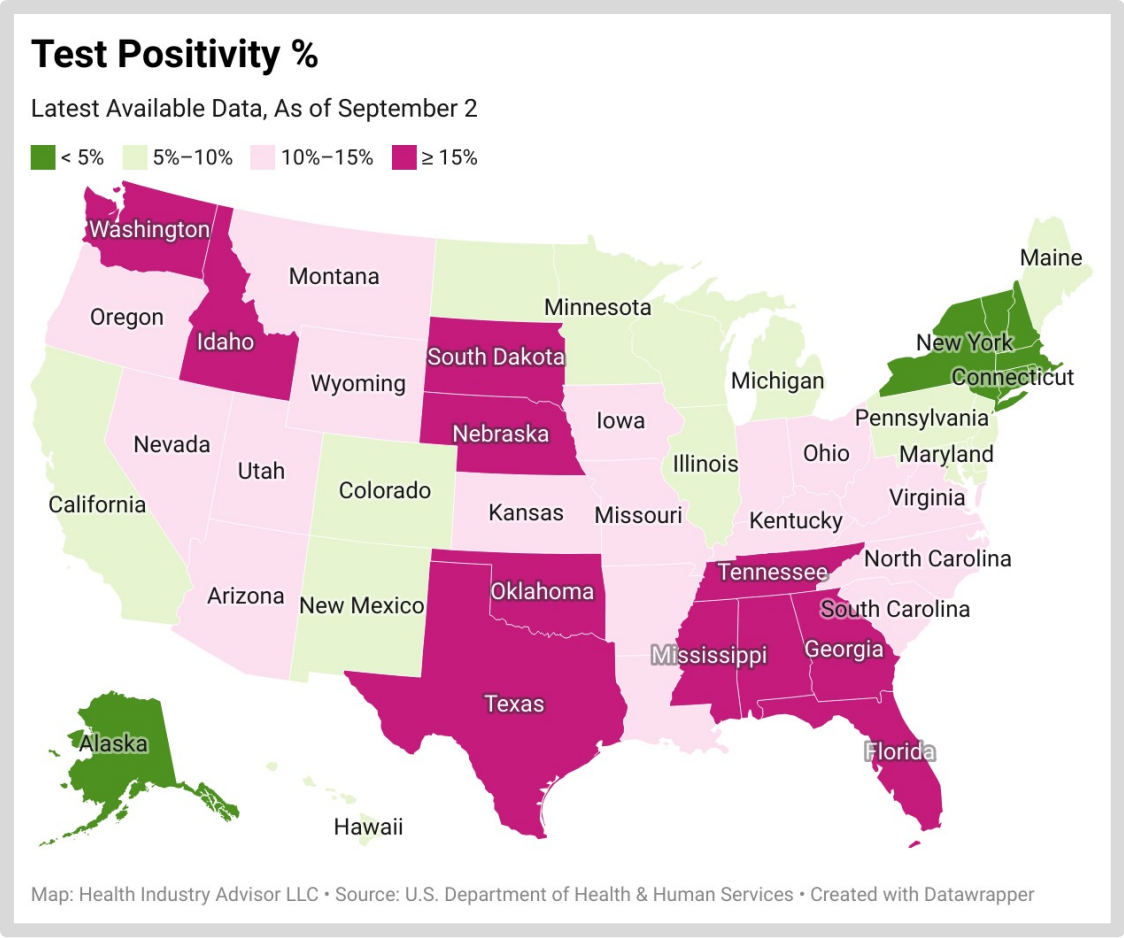
7-Day Average Test-Positivity %

Eleven states report test-positivity rates > 15%. Another eighteen states report rates > 10%. Only eight states reports rats below 5%.



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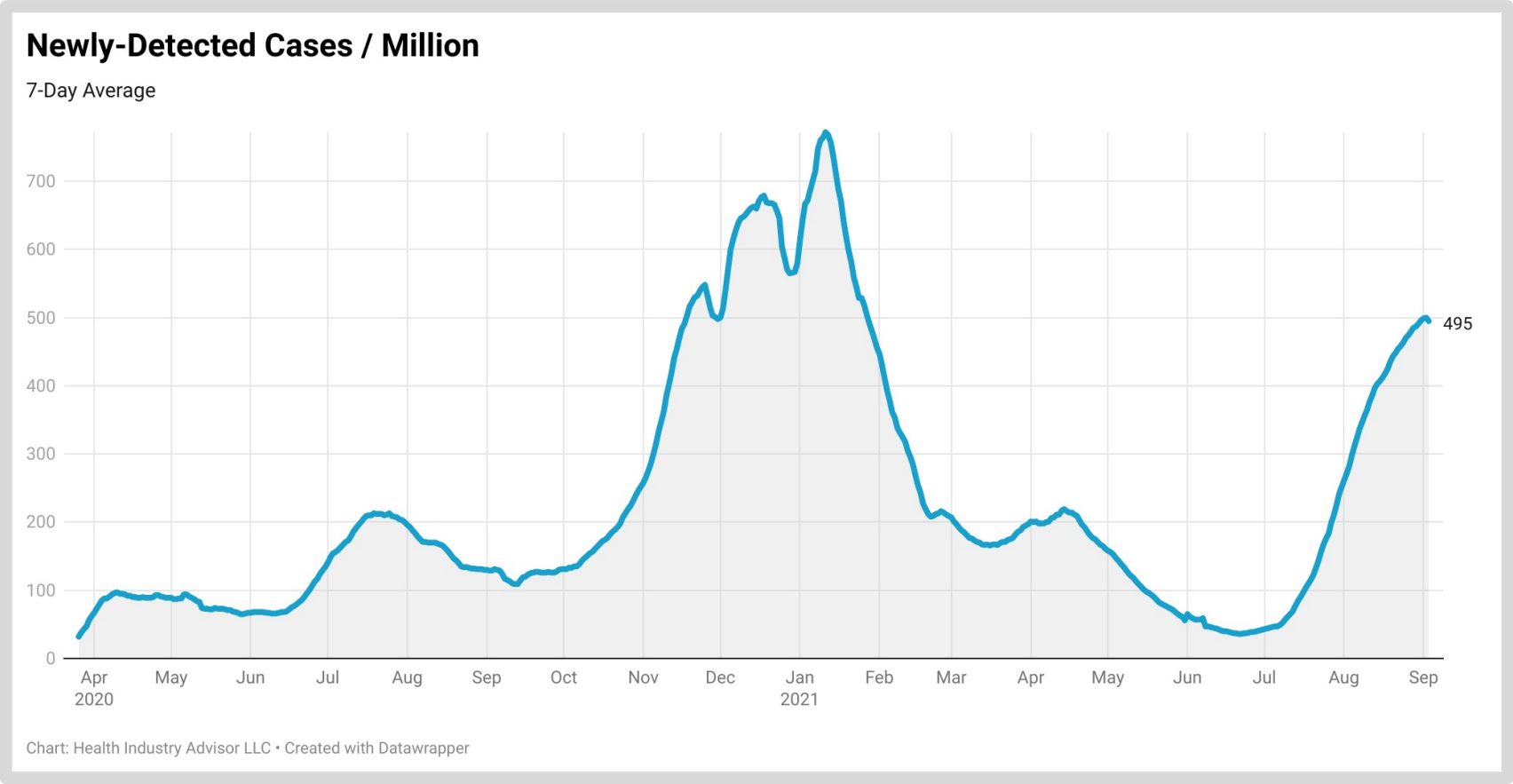
Newly Detected Cases

New daily cases seemed to have plateaued, if not peaked. The next few weeks – with schools re-opening and the return of indoor activities - are critical.



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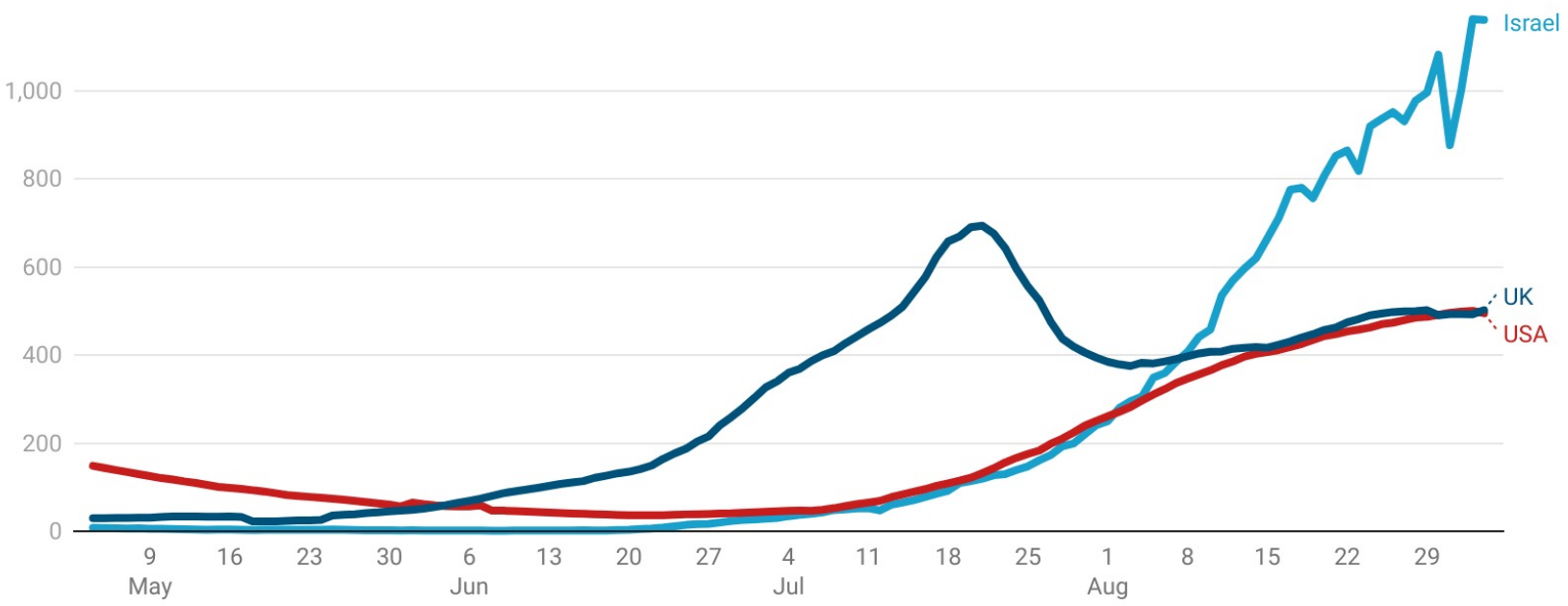
Trends in New Infections in Israel, the United Kingdom, and the United States

The United Kingdom and the United States are each plateauing – and, at a similar rate per capita.



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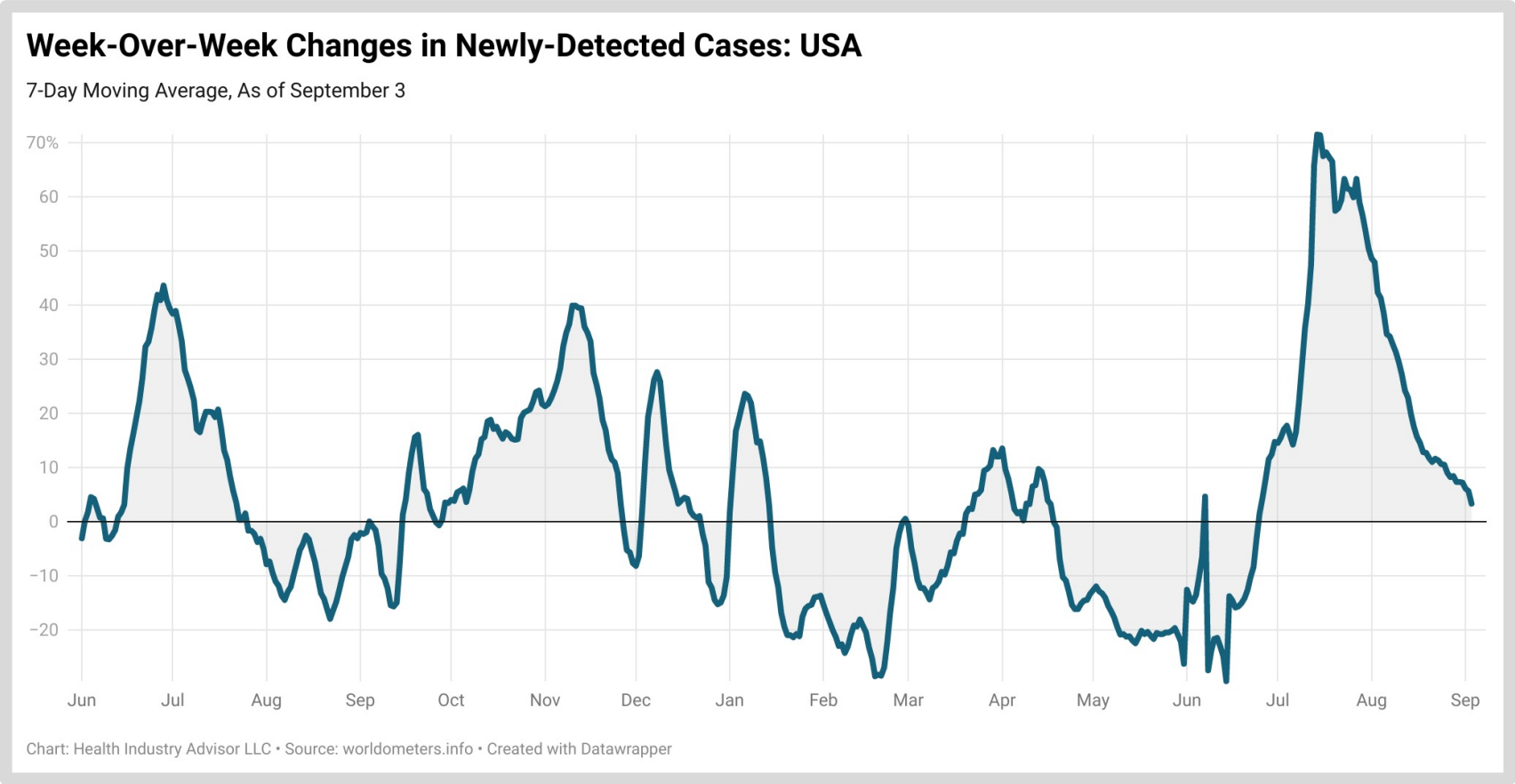
Weekly Change in Newly Detected Cases

The United States continues to see a slowing – but not a decline - in the rate of increase newly reported cases.



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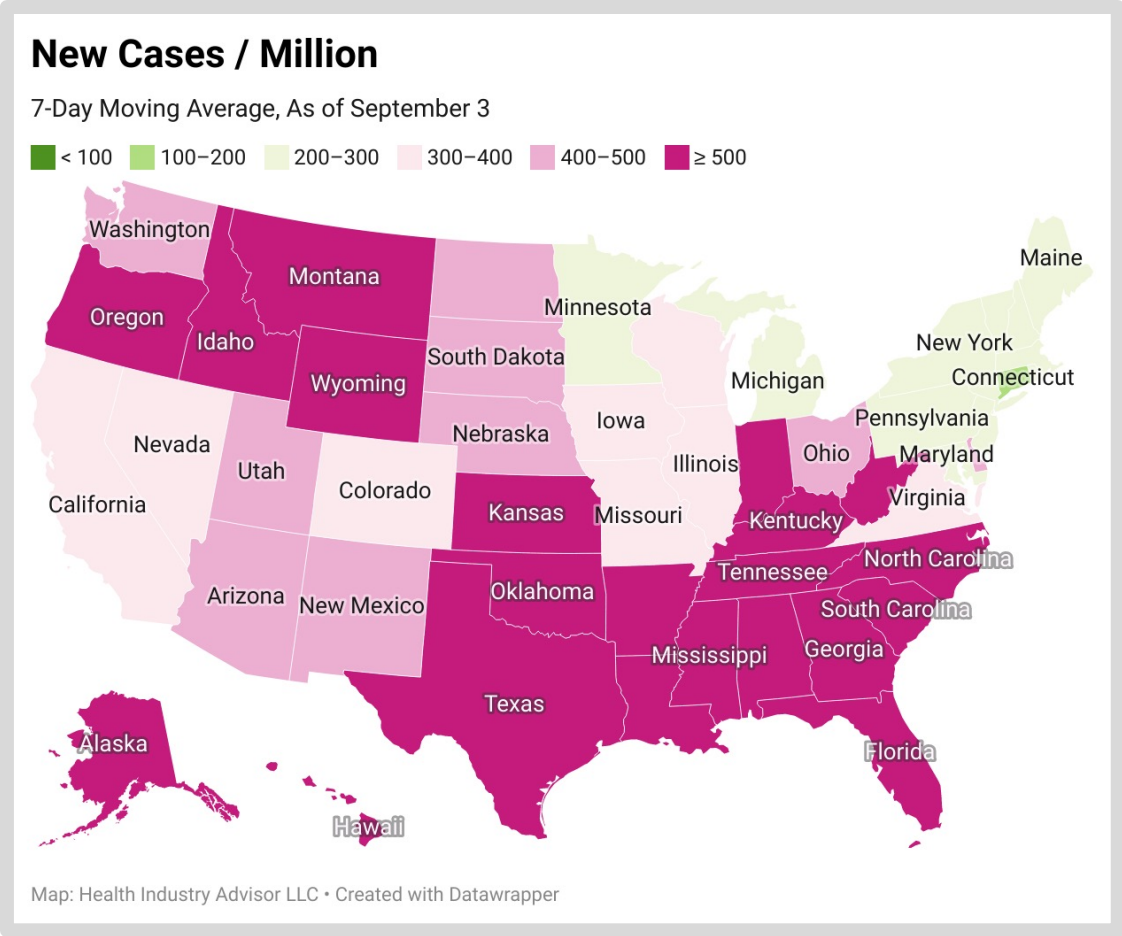
New Cases per Capita By States

Seven states posted new cases rates of 800+ per million population per day. South Carolina and Tennessee set the pace, with more than 1000 per million per day – more than twice the national average. Sates in New England and the Midwest are generally doing better than others.



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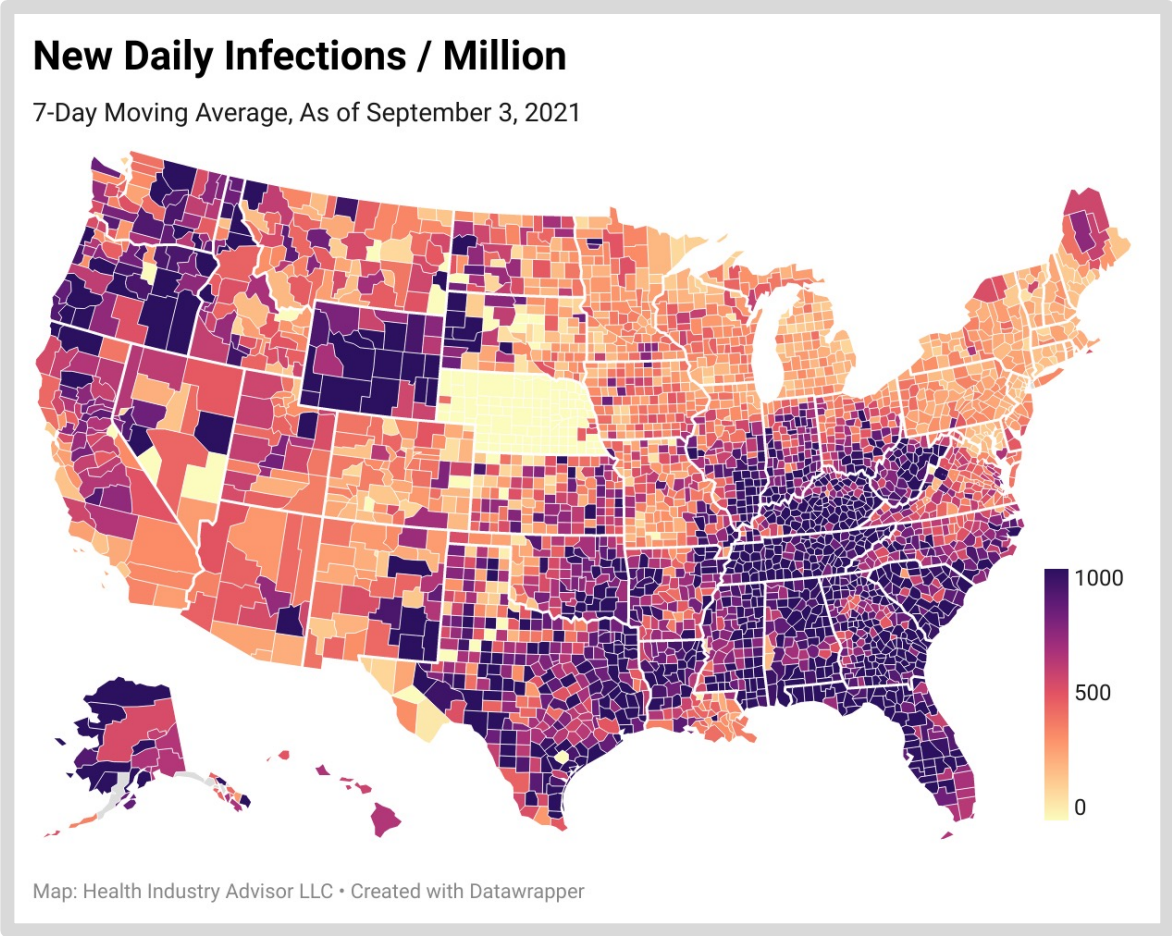
New Cases per Capita By Municipality

This graphic illustrates the new case rates per capita by municipality, as of last Friday



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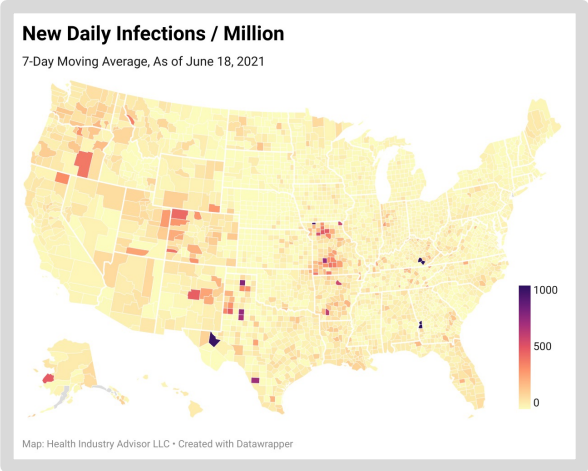
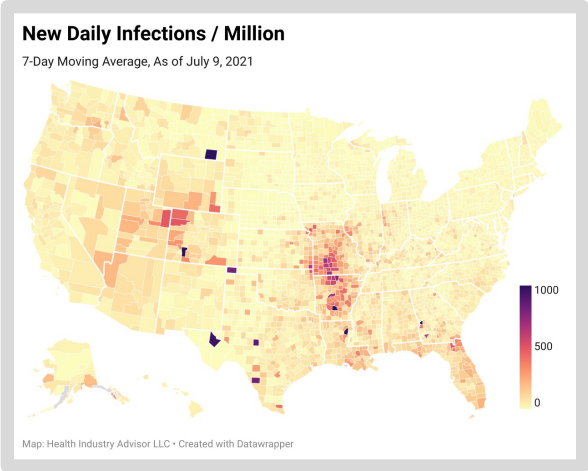
Trends in New Cases per Capita By Municipality

This series of graphs show how the Delta variant surge hit the United States. The South was hit early and hardest.

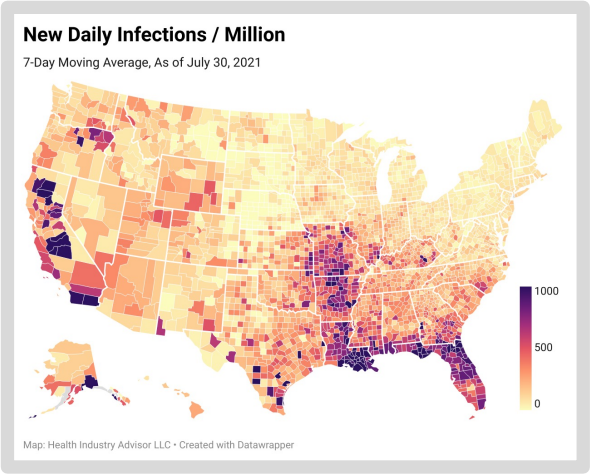
June 18



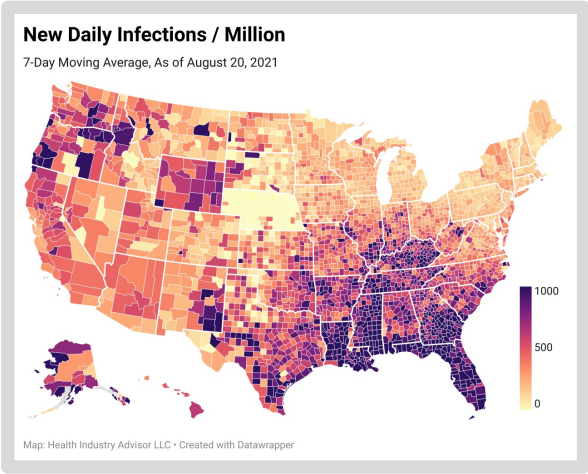
July 9



July 30



August 20



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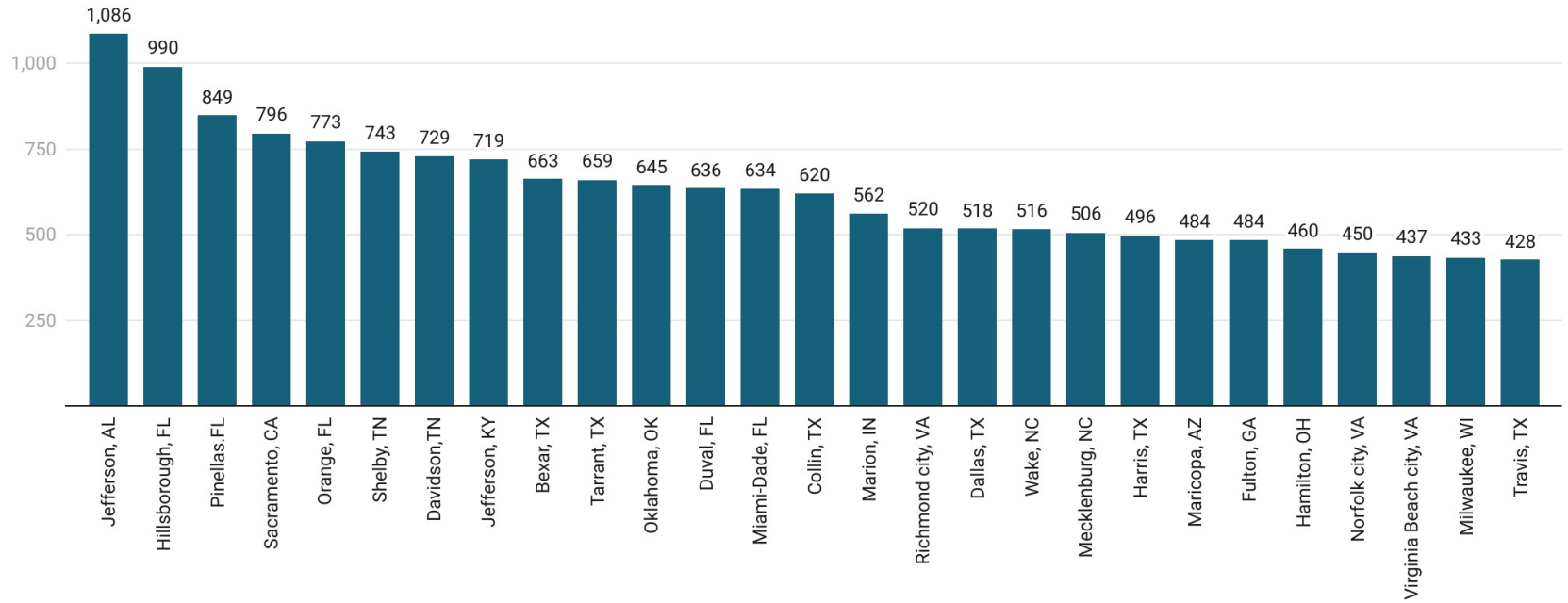
Highest New Cases per Capita For Large Central Metro Areas

The hardest-hit large metro areas are concentrated in the South



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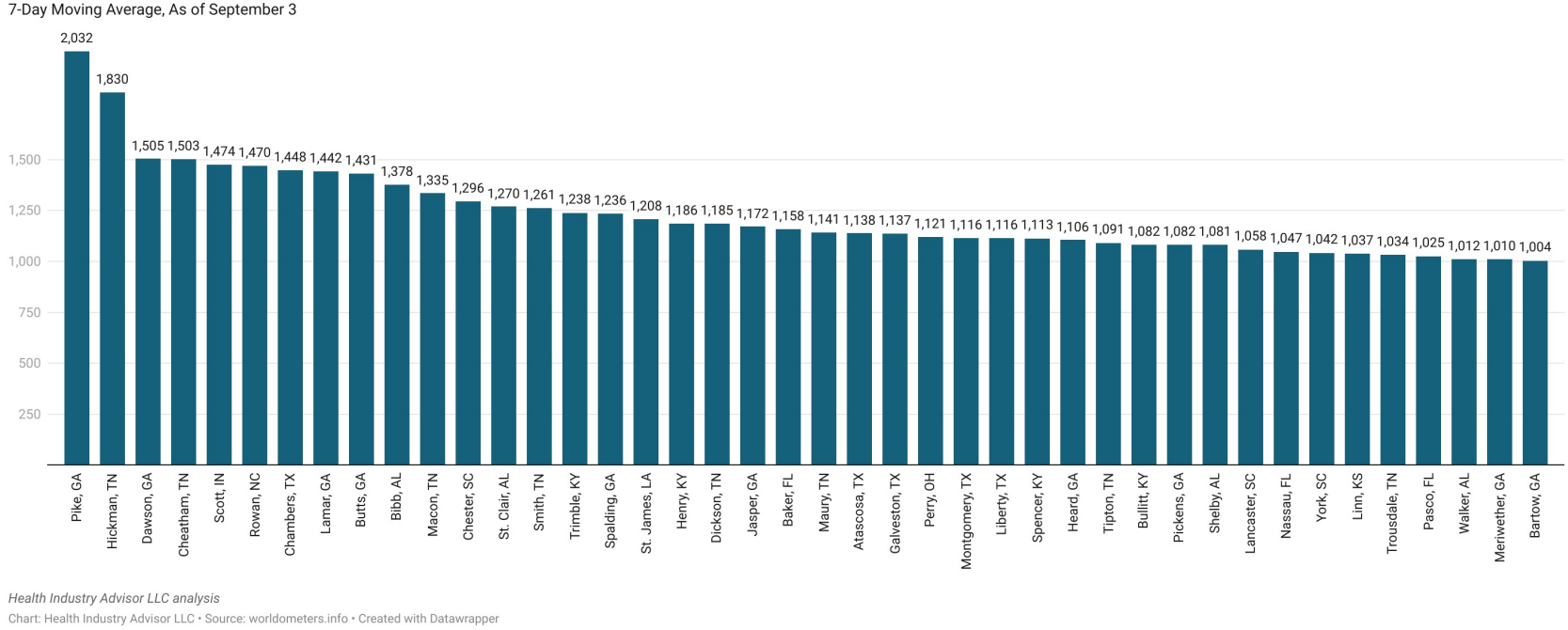
Highest New Cases per Capita For Large Fringe Metro Areas

Like that for large central metro areas, he hardest-hit large fringe metro areas are concentrated in the South



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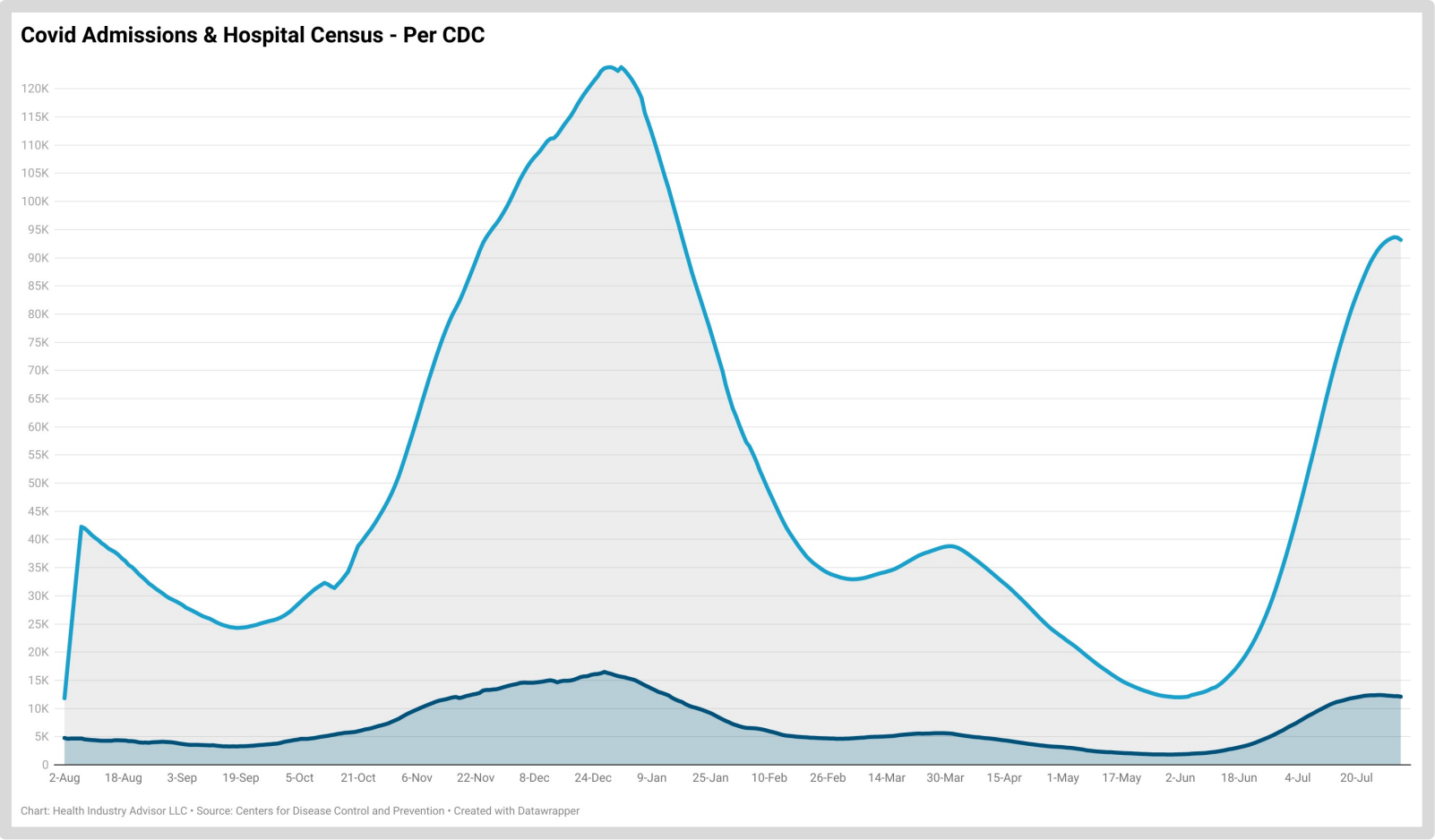
Covid Hospital Admissions and Census – Per CDC

From CDC reports, Covid admissions and hospital census may have peaked.



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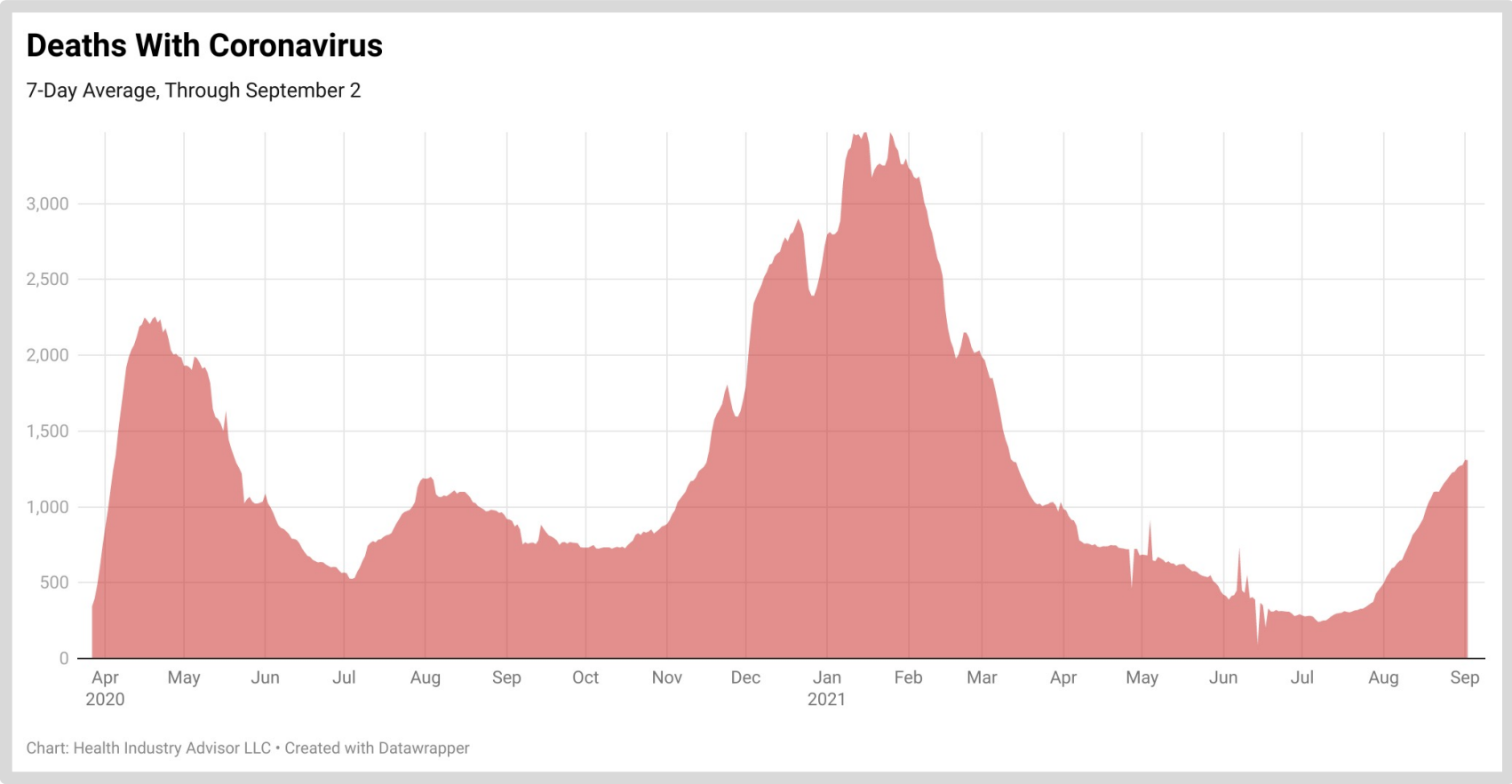
Deaths with Covid-19

As expected, deaths with Covid-19 are rising, following a few weeks behind the rise in new cases. Fortunately, these deaths have not increased at the same proportion to the increase in cases as they did in the last surge..



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Sources

The following data sources are accessed on a daily or weekly basis

- U.S. Department of Health & Human Services: https://healthdata.gov/dataset/covid-19-estimated-patient-impact-and-hospital-capacity-state
- U.S. Department of Health & Human Services https://beta.healthdata.gov/dataset/COVID-19-Diagnostic-Laboratory-Testing-PCR-Testing/j8mb-icvb
- Worldometers.info: https://www.worldometers.info/coronavirus/
- Centers for Disease Control and Prevention, National, Regional, and State Level Outpatient Illness and Viral Surveillance https://gis.cdc.gov/grasp/fluview/fluportaldashboard.html
- Centers for Disease Control and Prevention, COVID-19 Laboratory-Confirmed Hospitalizations https://gis.cdc.gov/grasp/COVIDNet/COVID19_5.html
- Centers for Disease Control and Prevention, COVID Data Tracker https://www.cdc.gov/covid-data-tracker/index.html#mobility
- Centers for Disease Control and Prevention, Vaccines, https://www.cdc.gov/coronavirus/2019-ncov/vaccines/index.html
- Institute for Health Metrics and Evaluation, COVID-19 estimate downloads http://www.healthdata.org/covid/data-downloads
- New York Times, Covid-19 data https://github.com/nytimes/covid-19-data
- COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University https://github.com/CSSEGISandData/COVID-19
- COVID-19 Projections Using Machine Learning, https://covid19-projections.com
- Our World In Data, https://ourworldindata.org/covid-vaccinations
- Covid-19 Forecast Hub, https://viz.covid19forecasthub.org
- Yale School of Public Health & Harvard TH Chan School of Public Health, https://covidestim.org
- Bloomberg Vaccine Trackers, https://www.bloomberg.com/graphics/covid-vaccine-tracker-global-distribution/?sref=Z0b6TmH

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