

Compared to people in the rest of the US, a permanent Florida resident was 4 times more likely to die due to Covid during September 2–8, 2022. Floridians accounted for 22.3% of all Covid deaths reported that week.

The bright orange line on the right represents 520 people, giving Florida the 2nd worst per capita mortality rate in the nation.

During May through August, Florida's death rate was 3x that of the other 10 states with the largest populations, the highest temperatures, and the oldest people.

People in Florida were also 41% more likely to need hospital care during September 2–8, 2022, than people in the rest of the US. The state worsened slightly to 3rd in the nation for adult Covid admissions. During June 2–August 16, 2022, there were only 4 days that the state did not rank last.

Florida's pediatric admissions rank improved to 10th worst. August 11th marked the first time pediatric admissions were better than 3rd worst in at least 18 weeks.

Despite having a higher proportion of senior citizens and similar age-related demographics, Maine's per capita Covid death rate is about half of Florida's (190 vs. 375/100,000).

Before vaccines were available to everyone aged 16+ in the US, Floridians had a lower death rate than elsewhere in the US and a slightly elevated risk of hospitalization. What accounts for this dramatic shift?

[Trends in Number of COVID-19 Cases and Deaths in the US Reported to CDC, by State](#)

[Tampa Bay Times: Why Are So Many Floridians Still Dying from COVID? How Florida's Death Rate Compares to Other States, Including California, Texas, and New York](#)

[COVID Data Tracker: New Admissions of Patients with Confirmed COVID-19 per 100,000 Population](#)

[Risk of Hospitalization and Death in Florida vs. the Rest of the US Before and After 16+ Vaccination and During September 2–8, 2022](#)

[PRB: Which States have the Oldest Populations?](#)

[CDC: United States COVID-19 Cases, Deaths, and Laboratory Testing by State and Territory](#)

To check on other locations in the US, I recommend finding the statistical category you're seeking on this post and then clicking on Dr. Salemi's or the CDC's site and entering a different state or county.

I have also published an archived [omicron variant](#) post, archived [delta variant information](#), and archived general [Covid-19 information](#). **However, the most recent omicron information is here.**

Since I took a one-week break from writing and the Florida Department of Health did not issue an official report, I cannot compare some current statistics to the data from August 26–September 1, 2022.

An Overview:

If you were infected with Covid in Florida before the end of March, you are highly unlikely to have immunity to the current subvariants. Three doses of the AstraZeneca or Pfizer vaccines are also significantly less protective than for earlier omicron subvariants. Recent research indicates that additive damage occurs to numerous organ systems with each Covid infection.

This week, Florida ranks 2nd worst in Covid deaths. Compared to other people in the US (1808), a permanent Florida resident was 4.0x as likely to die from Covid (520; 22.3% of all Covid deaths). Two weeks earlier, during August 19–25, 2022, 1/4 of Covid deaths reports in the US came from Florida (25.6%).

Until mid-August, Florida ranked near the worst in the US for confirmed cases for 10 straight weeks. The state seems to be emerging from the latest omicron wave, improving to 29th best for permanent residents. School aged children had 49% fewer confirmed cases and those under 5 had 34% fewer during September 2–8.

For September 2–8, people in FL were also 41% more likely to need hospital care than people in the rest of the US. During June 2–August 16, 2022, there were only 4 days that the state did not rank last in Covid adult hospital admissions. It now ranks 3rd worst.

Florida's pediatric admissions rank improved to 11th worst in the US. Until the August 11th report, it had been no better than 3rd for at least 18 weeks. In the last 2 weeks, 332 children were admitted to Florida hospitals.

Florida has the 3rd highest number of excess deaths compared to other states. That is the total number of excess deaths, not the number per 100,000 people. California has 80% more people than Florida; TX has 35% more. Among the 6 largest states, Florida has the worst death rate.

During May through August, Florida's death rate was 3x that of the other 10 states with the largest populations, the highest temperatures, and the oldest people.

In the US during June 26–July 2, 2022, 2 boosters prevented 94% of deaths; 1 booster prevented 84%; and a primary series prevented 80% of Covid fatalities. A 2nd booster is much less effective at preventing infections. For people 50+ during July 17–23, having at least 2 boosters prevented 72% of cases; 1 booster prevented 67%; and a primary series prevented 78%.

A report released by the US House Select Subcommittee on the Coronavirus Crisis in June 2022 explains Florida's approach to the pandemic: get as many lower-risk people infected as quickly as possible to reach herd immunity.

In July 2020, one senior federal official advocated for deliberate infection “kind of like measles parties.” He wrote, “Infants, kids, teens, young adults, middle aged with no conditions, etc. have zero to little risk...so we use them to develop herd...we want them infected...and recovered...with antibodies...Hospitals are NOW geared, PPE in place, ICU beds are on the ready, doctors and nurses alert....”

Scott Atlas, the chief architect of the herd immunity plan, advised the DeSantis Administration before joining the federal government. Dr. Joseph Ladapo also promoted this “low testing/no masks/no lockdown” strategy to the White House before becoming the state’s surgeon general.

Overall, 61 Floridians <15 have died from Covid. So far, 19 permanent Florida residents under 1 year old have died. Florida children aged 1–4 have a death rate 15% worse than the national average, with 12 deaths. Compared to the rest of the US, ages 5–14 and 15–29 are dying at 36% higher rates than their peers nationwide. When I remove smaller states with higher ranks but only one death, Florida's rankings worsen to 10th for <1; 3rd for 1–4; and 6th for 5–14.

Over 3,000 Covid deaths in 2020 which a state auditor detected in early June will not be added to the state tally. According to a spokesman, the Florida Department of Health does not consider having Covid listed on a death certificate sufficient to count it as due to Covid.

As of 9-8-22, 1.3% of all permanent Florida residents who are 65+ had died from Covid. That this improved after July 14th—when it was also 1.3%—is impossible. The dip occurred in the 7-28-22 report even though the size of that demographic group remained the same.

Comparing the June 30th to the June 16th report, there is an increase of 500,000 people who had received at least one shot by the same date (June 16th). The FL Department of Health spokesman refused to explain the discrepancy.

One page of the official Department of Health web site lies about the FDA's recommended age for vaccination, saying it is 12+, not 6 months+. Another of the agency's pages cites it accurately. Until receiving a demand from a bipartisan Congressional committee on June 18th, the FL Dept of Health prevented hospitals and doctors' offices from preordering the vaccines which the FDA and CDC approved for children at least 6 months old. See the Vaccination section for a more detailed account.

There were more cumulative cases reported for children under five in the June 16th report (192,875) than in the June 30th report (191,640). That gives us -1,235 for June 17–23, when the state was hindering vaccination of that age group. To my knowledge, that has not been corrected.

On June 28th, Dr. Ladapo testified to Congress that he and Governor DeSantis made the decision not to preorder vaccines and to prevent county health departments from administering them. He estimated that would affect 33,000 children. When asked about the risk of Covid infections compared to the risk of vaccination, the surgeon general called it "a perverse question." He asserted what matters is the risk of vaccination vs. non-vaccination.

On June 30th, the day the president of the Florida Academy of Pediatrics began vaccinating young children, the state removed her from her board position at Florida Healthy Kids. Florida's Chief Financial Official claimed it was for "some very political statements that do not reflect the CFO's point of view, even going so far as to as to say that the state is 'obstruct(ing)' access to vaccines. The CFO does not share your opinion and believes the state has gone to great lengths to protect lives in the face of the Coronavirus."

Children <4 years old in the US were 5x as likely to need hospital care during the first omicron wave than during delta. When Florida officials refused to preorder vaccines for young children, the state was the 2nd worst in the US for pediatric admissions.

Among 1,040,000 children under 5 who received vaccination, symptoms were like those from routine childhood immunizations. No cases of myocarditis occurred. Only 19 experienced severe reactions (0.2%). Two of them were hospitalized due to vaccination (0.0002%).

[Trends in Number of COVID-19 Cases and Deaths in the US Reported to CDC, by State](#)

[CDC: Excess Deaths Associated with COVID-19 by Jurisdiction/Cause](#)

[American Heart Assn: Rethink What You Thought You Knew about COVID-19 Reinfection](#)

[Aug 25, 2022 Florida Covid Stats: What Is Really Happening?](#)

[CDC: Variant Proportions](#)

[MedRxiv: Further Humoral Immunity Evasion of Emerging SARS-CoV-2 BA.4 and BA.5 Subvariants](#)

[CDC: CDC Strengthens Recommendations and Expands Eligibility for COVID-19 Booster Shots](#)

[MedPage: Report Shows Trump Administration Embraced Herd Immunity via Mass Infections—The Strategy Likely Contributed to Many Preventable Deaths, Report Notes](#)

[Salemi USF: Covid-19 in Florida](#)

[Florida Covid Response: Who Is Eligible for a Covid-19 Vaccine](#)

[FDH: Covid-19 Vaccines in Florida](#)

[McClatchy: Congressional Panel Demands DeSantis Briefing on COVID Vaccines for Kids by End of Month](#)

[FDA: FDA Roundup July 8, 2022](#)

[FDA: Coronavirus \(COVID-19\) Update: FDA Authorizes Emergency Use of Novavax COVID-19 Vaccine, Adjuvanted](#)

[Tampa Bay Times: Ladapo Tells Congress that Florida Decision Could Limit Kids' Vaccine Access](#)

[Florida Politics: Doctor Ousted from Florida Children's Health Board Over Vaccine Views](#)

[MMWR: Hospitalization of Infants and Children Aged 0–4 Years with Laboratory-Confirmed COVID-19—COVID-NET, 14 States, March 2020–February 2022](#)

[MMWR: COVID-19 mRNA Vaccine Safety Among Children Aged 6 Months–5 Years—United States, June 18, 2022–August 21, 2022](#)

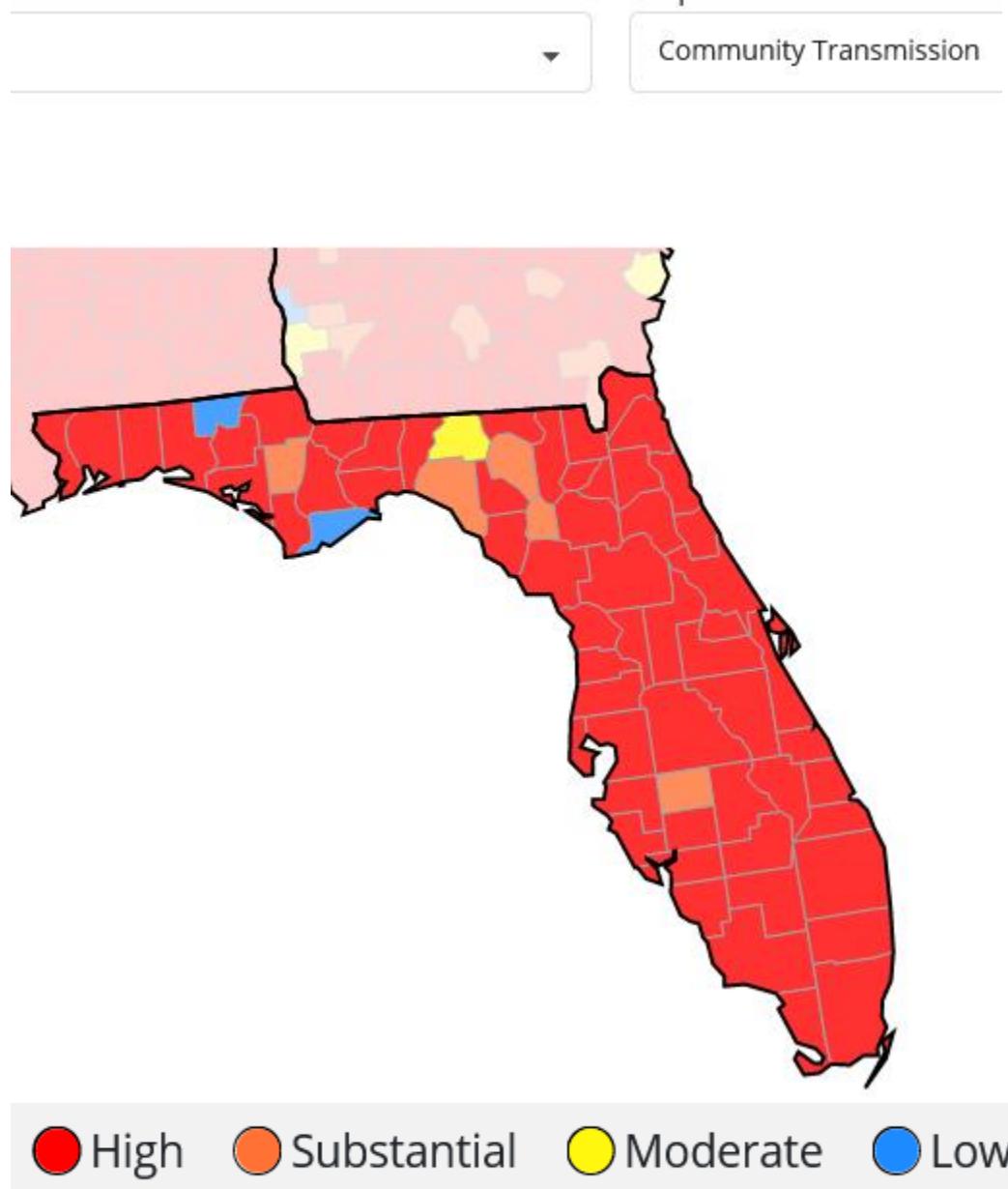
Until September 2nd, each household could order up to three sets of four Covid tests at Covid.gov. Funding for this expired, except for people with Medicare Part B. They can receive 8 tests/month at participating pharmacies.

Omicron-specific boosters have been granted an Emergency Use Authorization. The only people who qualify for the older mRNA versions are those without two shots.

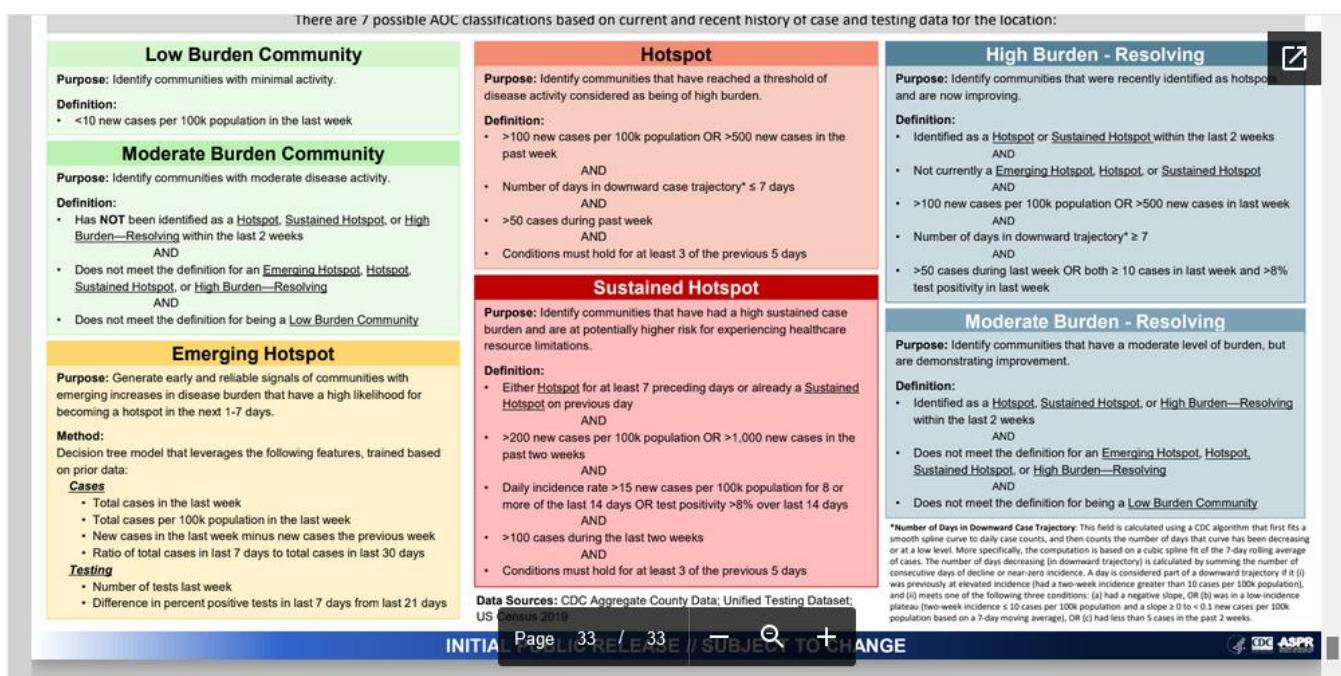
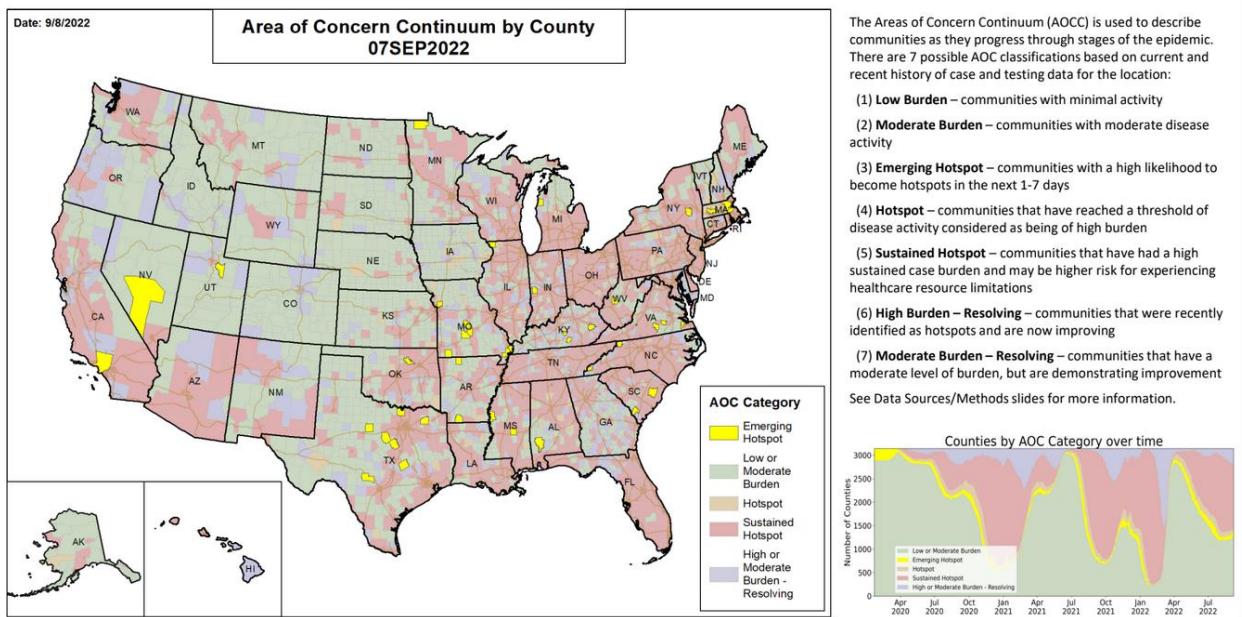
[The Hill: Federal Government to Halt Free COVID-19 At-home Tests by Early September](#)

[CDC: COVID-19 Vaccine Booster Shots](#)

Fifty-nine Florida counties have high transmission; 5 have substantial transmission; 1 has moderate transmission, and 2 have low transmission. This is an improvement from a week earlier, when 64 counties were at the highest level and 3 were deemed substantial:



On September 8th, the CDC deemed almost all of Florida as a sustained or resolving hotspot. A few rural counties have improved to the “low or moderate burden” category:



CDC: Community Transmission in Florida

CDC: COVID-19 Community Profile Report

Evidence from South Africa indicates that people who were previously infected with omicron BA.1 are susceptible to reinfection from the newer subvariants omicron BA.2.12.1, BA.4 and omicron BA.5. People who were vaccinated were 5 times less likely to experience reinfection than unvaccinated individuals.

These newer strains replicate in people's nasal passages, tending to result in less severe illness. The early omicron variants triggered long Covid in 4% of people, compared to 10% of those infected with the delta variant. Serious cases are rare but do occur, especially in unvaccinated individuals.

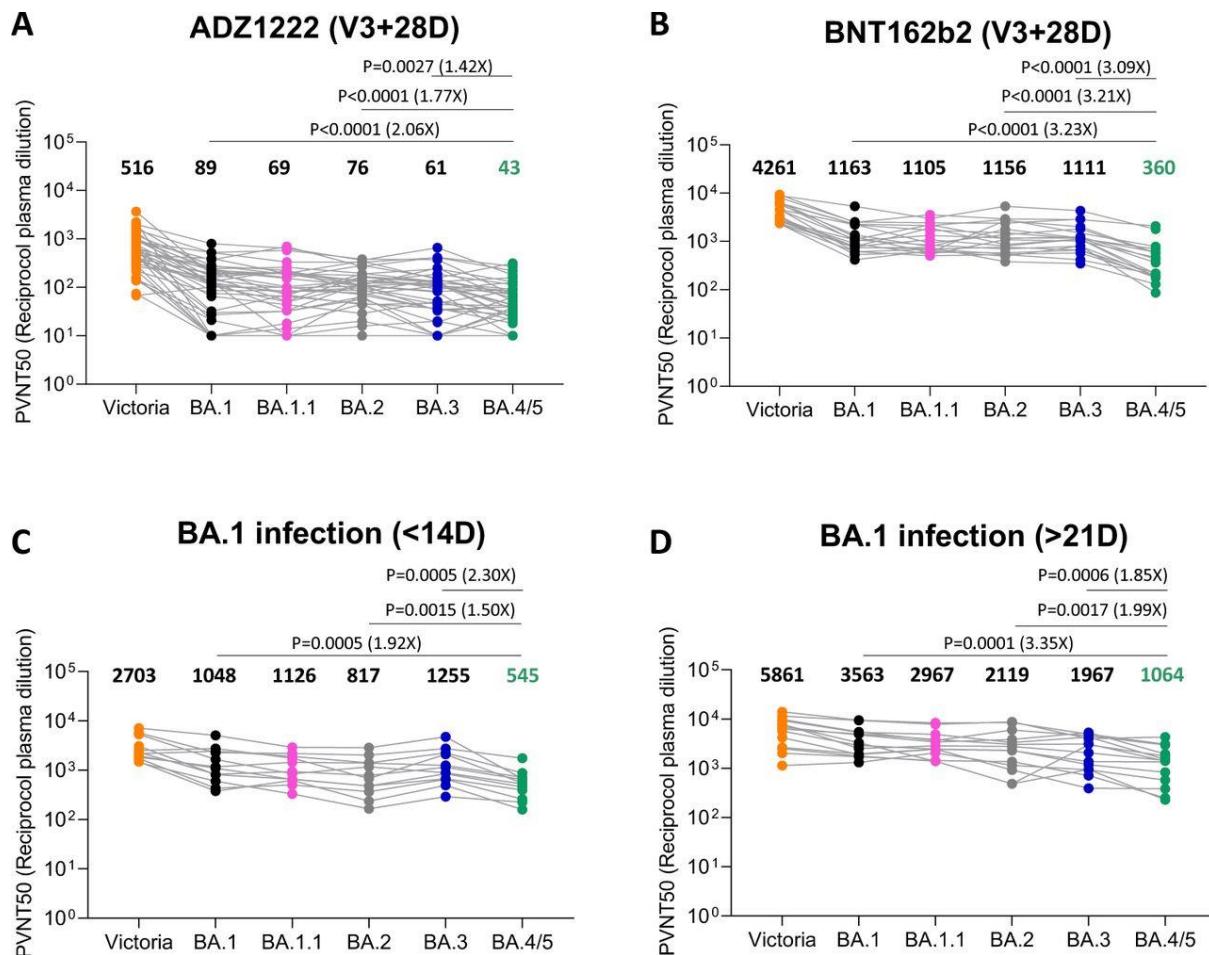
[NEJM: Neutralization Escape by SARS-CoV-2 Omicron Subvariants BA.2.12.1, BA.4, and BA.5](#)

[MedPage: Omicron BA.4 and BA.5: Starting from Scratch Yet Again—Here's What We Know and What We Still Need to Find Out](#)

[Lancet: Risk of Long COVID Associated with Delta versus Omicron Variants of SARS-CoV-2](#)

Laboratory evidence on serum samples corroborates the South African evidence of increased susceptibility to reinfection with BA.2.12.1, BA.4, and BA.5 for people who had breakthrough infections due to the omicron BA.1 variant. Three doses of the AstraZeneca (A) or Pfizer (B) vaccines are also significantly less protective when compared to earlier omicron subvariants.

These charts are on logarithmic scales, so the declines are larger than they appear until you see the lower dilution number required to neutralize the viruses:



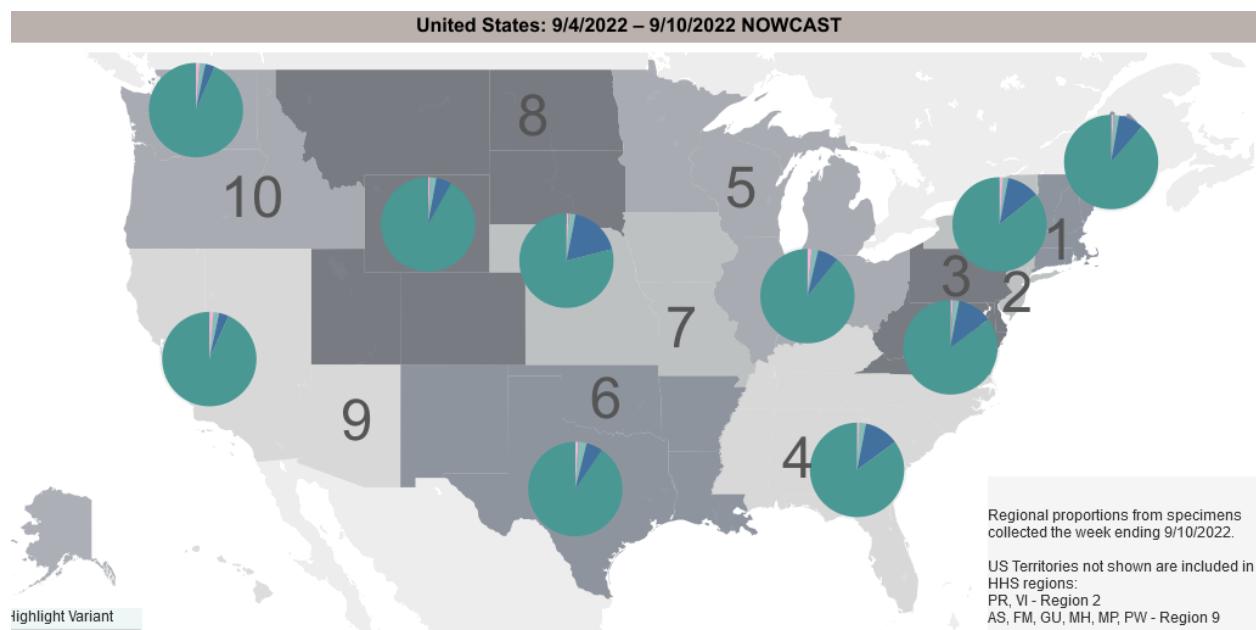
Subsequent research indicates that infection with the BA.2 subvariant also fails to confer immunity against BA.2.12.1, BA.4, and BA.5.

[MedRxiv: Omicron Sub-Lineages BA.4/BA.5 Escape BA.1 Infection-Elicited Neutralizing Immunity](#)

[Nature: BA.2.12.1, BA.4 and BA.5 Escape Antibodies Elicited by Omicron Infection](#)

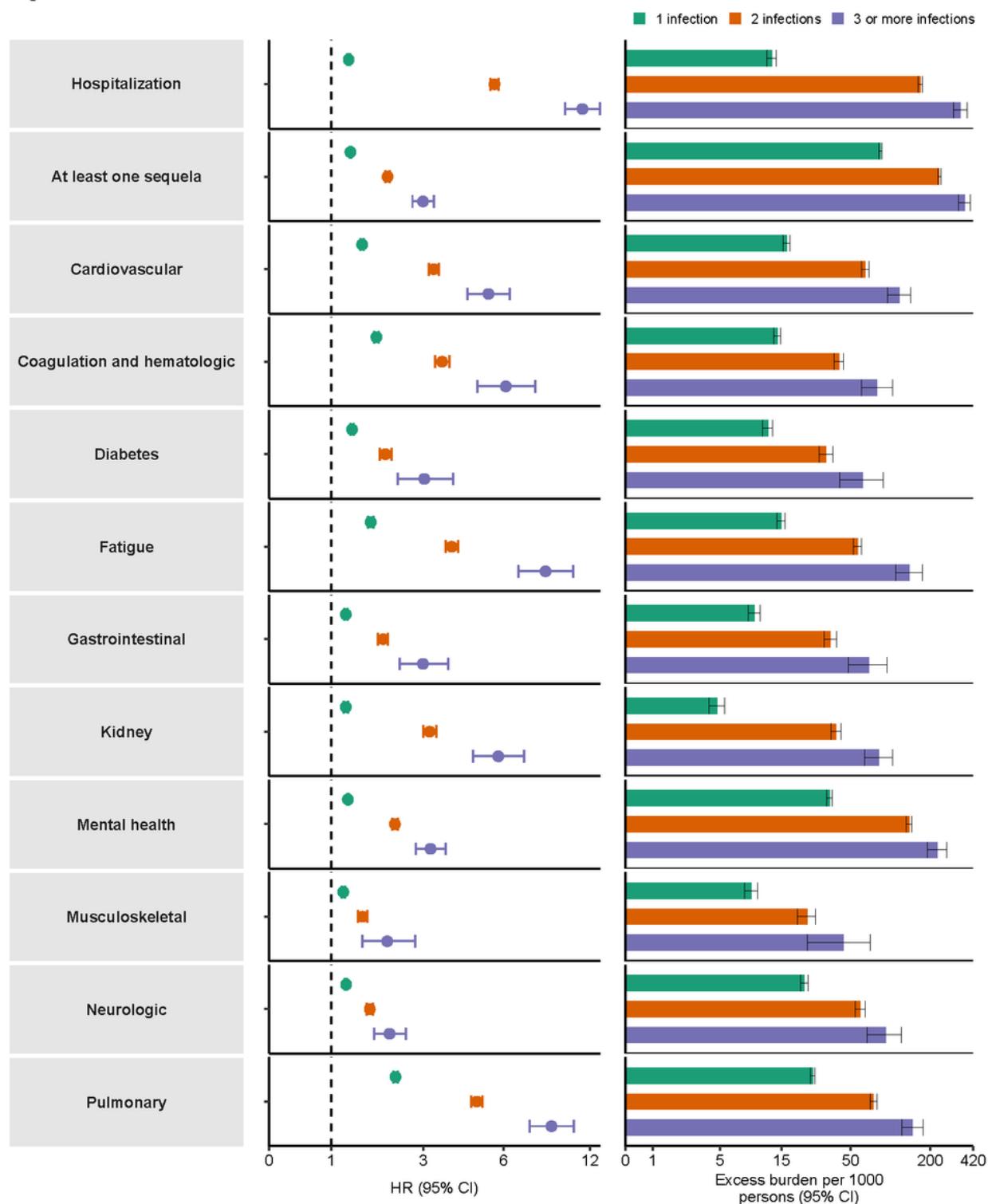
[DPZ: Emerging Omicron Subvariants BA.2.12.1, BA.4, and BA.5 are Inhibited Less Efficiently by Antibodies](#)

On September 10, 2022, 100% of sequenced samples in the US and in the region which includes Florida were BA.2, BA.4, BA.4.6, or BA.5. That means that the SARS-CoV-2 virus infection which is spreading in the state cannot be completely prevented by the original vaccine formulations or an infection which occurred before late March 2022:



[CDC: Variant Proportions](#)

A preprint study of veterans in the US reveals additive damage to numerous organ systems as the number of Covid infections increases in each patient. Reinfection is something to avoid:

Figure 5

[American Heart Assn: Rethink What You Thought You Knew about COVID-19 Reinfection](#)

[Research Square: Outcomes of SARS-CoV-2 Reinfection](#)

Until June 2021, Florida reported Covid statistics every day with an online database. Weeks before the delta variant took hold in the state with devastating effects, the Department of Health switched to a weekly pdf while withholding data previously available to the public. Now Florida is halving the frequency of reports to the public to every two weeks. The state is directing people to the CDC, where there is an information lag:



The image shows a screenshot of the Florida COVID-19 Data website on the left and a tweet from the official Florida Department of Health Twitter account (@HealthyFla) on the right. The website features a magnifying glass icon over a document, with the text "Florida COVID-19 Data" and "Released every two weeks". A "Read The Report" button is visible. The tweet from @HealthyFla, posted on Sep 1, reads: "Replying to @HealthyFla In Clay County, DOH Dep. Sec. Dr. Scheppke spoke about treatment & #CORENetwork. #EndOverdose" with a blue heart emoji.

[Tampa Bay Times: Florida Limits COVID Data to Every 2 Weeks, State Says Via Meme: Department of Health Officials Announced the Change Via Twitter, Using Vince McMahon and Cat Memes](#)

[Palm Beach Post: Florida to Update COVID-19 Data Less Frequently than All Other States](#)

[Florida Covid-19 Response](#)

I **heartily disagree** with this official announcement made from the Florida Department of Health retweeting their spokesman's personal Twitter account on March 11th. We need more information, not less. Unfortunately, the tactic works: even Floridians tend to express shock when I tell them about the most recent statistics:

Florida Dept. of Health  @HealthyFla ...

When it's no longer season 1 of the pandemic.

Epidemiology finding out we are finally moving to bi-weekly COVID-19 reports



 **Jeremy Redfern** @JeremyRedfernFL · Mar 11
Guys.
After today, @HealthyFla is moving to bi-weekly reports.
Daily info will still be available on the @CDCgov COVID Data Dashboard.

Florida Covid-19 Response

March 17, 2022 Florida Covid Stats: What is Really Happening?

Dr. Jason Salemi from the University of South Florida was compiling some data from the CDC during weeks when the state did not issue an official report. Even before his hard drive crashed after April 24th, he did not have direct access to the Florida data. His rebuilt site is omitting data derived from the Florida Department of Health reports:



COVID-19 in Florida

Last update:
Fri, 04/22/2022Next update:
Fri, 04/29/2022

FLORIDA FOCUS
NATIONAL
COMMUNITY
PROFILE
VACCINES
NATIONALLY
CURRENTLY

COVID-19
DashboardLast update:
Thu,
09/08/2022Next update:
Tue, 09/13/2022

RISK INDICATORS
CASES
HOSPITALIZATIONS
DEATHS

4/28/2022: ATTENTION ALL USERS

This week, I had a catastrophic hard drive failure which compromised my COVID-19 dashboard.

Although the Tableau file itself was backed up, the 50 or so modified source datasets that feed into the dashboard were lost (I just received word from the data recovery folks at my university).

I will have to rebuild many aspects of the dashboard, and this will take quite a while (perhaps a few weeks) since I am also at a very busy portion of the academic year.

I will leave the dashboard in its current state - up and available for everyone - and will begin refreshing as soon as possible.

My sincere apologies - this is a service I've been providing for over 2 years, non-stop, and it pains me that this has happened.

LIST OF VISUALIZATIONS ON THIS PAGE

Can access other pages by clicking on the links below or the left panel of the web site

COUNTY-LEVEL RISK INDICATORS

(updated every Friday following weekly CDC update)

1. CDC's **Community Risk Levels** by County
2. CDC's **Community Risk Levels** for any two reporting weeks
3. Directly **Comparing CDC Community Risk Measures**
4. % of the Population Living in Counties with Different **Community Transmission Levels** (National)
5. % of the Population Living in Counties with Different **Community Risk Levels** (National)
6. % of the Population Living in Counties with Different **Community Transmission Levels** (State)
7. % of the Population Living in Counties with Different **Community Risk Levels** (State)
8. **Change** in Community Risk Levels Over the Past Week
9. **Health Service Areas** Used To Calculate CDC Community Levels
10. County-Level Map of the 2020 **Population**

[Other pages on this site](#)

- [CASES](#) page
- [HOSPITALIZATIONS](#) page
- [DEATHS](#) page
- [VAX](#) page

[External sites of interest](#)

Variants

- Please visit the [CDC's Page on Monitoring Variant Proportions](#)
- Please visit the [CoVariants.org](#)

Wastewater

- Please visit the [Biobot Network of Wastewater Treatment Plants](#)
- Please visit the [CDC's National Wastewater Surveillance System \(NWSS\)](#)

Vaccinations

- Please visit the [CDC's COVID-19 Vaccinations in the United States](#)

FDOH Biweekly PDF Reports

- Please visit the [FDOH Report Archive](#)

[May 19, 2022 Florida Covid Stats: What Is Really Happening?](#)

[Salemi USF: COVID-19 in Florida](#)

Beginning in June 2021, Florida removed all archived Covid data from their web site. Until March 17th, they replaced the statistics from the previous week with a new report. Now that occurs every two weeks. That makes it much more difficult—even for those who have saved the old data—to see the actual numbers of cases and deaths. No hospitalization information is included. On the Florida Department of Health web site, you can locate influenza records from 2001 but no comprehensive Covid data from earlier than September 2, 2022.

[TBT: Why Doesn't Florida Trust Its Residents with Basic COVID Information?](#)[Florida Covid-19 Response](#)[Florida Influenza Surveillance Reports 2001–2022](#)

These bullet points are a summary of the data in the rest of this post:

Florida Covid Deaths:

As of 9-8-22, the state has reported 80,386 Covid deaths among permanent FL residents to the CDC.

On 6-6-22, a report from the Florida Auditor General revealed the state omitted 3,000 Covid deaths from official reporting during March–October 2020.

The state says having Covid listed on a death certificate is not sufficient reason to count the death as Covid-related, so they will not be added to the Cumulative Deaths.

On June 4, 2021, the state removed 744 deaths among non-permanent residents and stopped reporting them.

During June 2021–August 2022, Florida reported only 7,695 of the 44,625 Covid deaths among permanent residents as “New Deaths” (17%).

1,845 permanent Florida residents died from Covid in August 2022, a 5% decrease from July (1,940). Only 151 were counted as “New Deaths” (8%).

During September 2–8, 2022, 22.3% of all Covid death reports in the US came from Florida (520). Compared to other people in the US (1,808), a permanent Florida resident was 4x as likely to die from Covid. Two weeks earlier, they were 4.8x more likely to die.

There were 354 deaths among permanent residents reported during September 2–8. That is the 2nd worst in the nation per capita, behind only Maine.

The state is claiming only 9% of them as “New Deaths” (33).

Miami-Dade County reported 30 deaths (-12%); Broward had 26 (-10%); Palm Beach County had 30 (-43%); Orange—where Disney is located—had 12 (-20%); and Hillsborough had 15 (+25%).

FL has 9.5% of US deaths when vaccinations were available to all 16+, for 6.6% of the US population.

Over half of Florida's Covid deaths have occurred since everyone 16+ became eligible for vaccination, with a 46% higher risk of death than those in the rest of the US. Before then, a permanent Florida resident was 10% *less* likely to die.

Permanent Florida residents aged 80+ rank 9th best among the 50 states and Washington DC, with 22% fewer deaths than the national average for that age group.

Overall, 62 Floridians <15 have died from Covid. There was 1 infant death reported in the last 2 weeks.

19 children under 1 year old have died. Without small states with one death, FL ranks 10th worst. Infants fared 7% better than the national average.

Removing small states with 1 death makes Florida the 3rd worst for ages 1–4, with 12 deaths. The state has 13% more deaths in that age group than expected.

Without small states with 1 death, children 5–14 rank 7th in the nation with 31 deaths, 35% worse than anticipated.

People aged 15–24 are the demographic with the worst Mortality Rate Ratio, 36% higher than the national average with 220 deaths.

Since the pandemic began, 5.9% of Florida seniors with a + test died from Covid (6.3% nationwide).

During September 2–8, 2022, 87.4% of all deaths among permanent Florida residents were among senior citizens.

As of 9-8-22, 1.3% of all permanent Florida residents who are 65+ had died from Covid.

The state reported a decrease in that statistic in the 7-28-22 report, although the size of that demographic group remained the same. That is impossible.

FL does not report Covid deaths stratified by vaccination status. However, deaths roughly correspond to vaccination percentages by demographic group.

CA has 80% more people than Florida yet almost the same number of excess deaths.

Maine has an older population, but its death rate (190) was about half of Florida's (375); others with the oldest populations are WV (409); VT (109); DE (316); and MT (328).

Among the 6 largest states, the Florida death rate is the worst. In the last month, we have overtaken PA.

During August 2022, Florida's death rate was 3x higher than for other large states; 3x higher than the 10 hottest states; and 3x higher than the 10 oldest states.

FL Covid Vaccinations:

On 7-13-22, the FDA issued an Emergency Use Authorization for Novavax in adults. Novavax received an EUA for teens on 8-22-22. That vaccine employs older technology which some people who have resisted vaccination to this point may find acceptable.

On 7-8-22, the FDA upgraded the status for the Pfizer vaccine in ages 12–17 from an Emergency Use Authorization to full approval.

On 6-17-22, the FDA issued an Emergency Use Authorization for the Pfizer and Moderna vaccines for children as young as 6 months old. The CDC recommended them a day later.

The FL Dept of Health website continues to claim the FDA recommends vaccination for those 12+, not 6 months+. Another page from the state correctly cites it as 6 months+. The 9-8-22 official report says it is 5+.

Florida was the only state which failed to preorder doses for the youngest children, a move Governor DeSantis and the Department of Health spokesman said was deliberate.

Despite claiming health care providers could order doses directly, they were unable to do so for several days.

Within an hour of receiving a demand for an explanation from a bipartisan Congressional committee, the state began enabling healthcare providers to order the vaccines.

On 6-28-22, Dr. Ladapo testified to Congress that 33,000 young children are unlikely to access vaccination due to the ban on county health departments providing them.

I recommend using the Vaccines. gov site to locate a participating pharmacy. Young children can receive Covid vaccines at the same time as routine immunizations.

Publix has announced they will not vaccinate children under 5, although they were the first in the state to receive adult dosages.

On 6-30-22, the president of the Florida Chapter of the American Academy of Pediatrics was removed from the board of FL Healthy Kids for disagreeing with the DeSantis administration about the necessity of vaccination.

As of 9-8-22, 2% of permanent Florida residents aged 6 months–4 years had received their first shot (24,313)

Nationwide, 7% of children <5 received a Covid shot by 9-8-22 (1,140,000).

Among 1,040,000 children under 5 who received vaccination, symptoms were like those from routine childhood immunizations. No cases of myocarditis occurred. Only 19 experienced severe reactions. 0.0002% were hospitalized due to vaccination.

For those <6 months, having a mother who received 2 doses while pregnant reduced hospitalizations by 38% during omicron and 80% during delta. Vaccine efficacy doubled when given after 20 weeks.

Pregnant women who received boosters had 4x the antibodies of those with 2 doses. Their newborns had 2x as many antibodies as their mothers.

On 3-7-22, a discussion panel moderated by Governor DeSantis recommended against Covid vaccination for healthy children due to the risk of adolescent males developing myocarditis. Florida is the only state to make such a declaration.

On 5-27-22, the Special Olympics dropped their vaccine mandate for a national tournament after the state threatened to fine them \$27,500,000.

The risk of cardiac inflammation due to Covid is 540% higher for boys aged 5–11 than vaccination. No girls developed symptoms after vaccination.

Among 400 children hospitalized during the omicron wave, 1 in 3 had no preexisting conditions, 1 in 5 required care in the ICU, and 9 in 10 were unvaccinated.

Children <4 years old in the US had hospitalization rates 5x greater than during delta.

6% of children who tested + in ERs had post-Covid health issues 90 days later (10% of those hospitalized and 5% of those discharged). The risk rose with more symptoms and age 14+. Respiratory, systemic, neurological, and gastrointestinal issues were common.

Since August 2020, 15,702 minors have required hospitalization for Covid in Florida, with 332 of those in the last two weeks.

15,702 minors have required hospitalization for Covid in Florida, with 332 of

During June 2022 in the US, unvaccinated children aged 5–11 were 74% more likely to need hospital admission than their vaccinated peers.

Unvaccinated teens (12–17) were 104% more likely to require inpatient hospital care than boosted teens.

As of 9-8-22, only 25% of Floridians aged 5–11 had at least one shot; 64% of adolescents did.

On 6-30-22, the state claimed a 7% rise in vaccinated teens with new 10,500 doses, not a 0.5% rise.

On 9-8-22, Florida claimed a 72% vaccination rate. This includes anyone with at least one shot, over 600,000 snowbirds, and “vaccine tourists.” The state report inexplicably claims to exclude children under 5 and include those 6 months–1 year old.

CDC data shows 68% of people in Florida had at least completed a vaccine series by September 8th. They include 840,000 federal personnel whom the state does not count. Using state data, my calculation is 62%.

In the June 30th and June 16th reports, there is an increase of 500,000 people who had received at least one shot by the same date (June 16th). The FL DoH spokesman refused to explain the discrepancy.

Long Covid, heart attacks, and ischemic strokes occur significantly less often in vaccinated people. Vaccination after infection can also reduce or eliminate Long Covid symptoms.

Children aged 5–11 are eligible for only the original Pfizer booster. Those aged 12–17 are limited to the formulation developed against the omicron variants.

28% had booster shots by 9-8-22, an important precaution against severe illness and transmission of the omicron variants. Only 6% of Floridians have had a second booster.

During June 2022, boosters prevented 64% of omicron hospitalizations among people aged 18–49; 72% for ages 50–64; and 84% for senior citizens.

Compared to people with boosters during June 26–July 2, 2022, unvaccinated people aged 18–29 were almost equally likely to die (0.01 vs. 0); it was 7x for 30–49; 5x for ages 50–64; 8x for ages 65–79; and 4x for people over 80.

During the initial omicron wave in Israel, a second booster prevented 64% of hospitalizations and 72% of Covid deaths among nursing home residents compared to those who received only a first booster.

In the US during June 26–July 2, 2022, 2 boosters prevented 94% of deaths; 1 booster prevented 84%; and a primary series prevented 80%.

A 2nd booster is much less effective at preventing infections. For people 50+ during July 17–23, having at least 2 boosters prevented 72% of infections; 1 booster prevented 67%; and a primary series prevented 78% compared to the rate in unvaccinated people.

Mixing booster vaccine types will give you the best protection: they stimulate different parts of your immune system. If you had 2 or 3 Moderna, I recommend getting a Pfizer and vice versa.

As of 9-8-22, 1,337,000 Floridians had received a 2nd booster shot, only 30% of those who had previously gotten a first booster. That is 6% of Florida's population.

Medicare will cover 100% of the cost of a second booster shot.

The state does not report cases or deaths by vaccination status. However, vaccination rates tend to parallel the death rates for each age group.

On 1-14-22, the governor refused to enforce the federal mandate for healthcare workers upheld by the Supreme Court a day earlier.

On 1-19-22, the state put Orange County's epidemiologist on leave for chiding his employees' 40% vaccination rate.

On 1-15-22 the governor said many nurses avoid vaccination due to "trying to have families." Numerous studies confirm vaccination does not cause infertility.

Florida Covid Cases:

With the rise in at-home testing since the omicron wave began, it is important to know that official confirmed cases are likely to be significantly undercounted.

The state reported 28,791 confirmed cases among permanent Florida residents (-26%).

There have been 7,066,234 confirmed Covid cases in Florida among permanent residents.

On 6-6-22, a report from the Florida Auditor General revealed that 60% of people who tested positive for Covid during March–October 2020, were never notified of their results. That affected at least 183,000 infected individuals.

On June 4, 2021, the state removed all data from anyone who is not a permanent resident and stopped reporting it. This deleted 43,535 cases.

After 10 weeks of ranking near the worst in the US, on 8-18-22, Florida's state rank for confirmed cases improved to 18th worst. On 8-25-22, it fell to 11th worst. There has been improvement in the last 2 weeks to 29th best.

The most recent CDC data shows 88% of Florida counties have high transmission rates, down from 100% 2 weeks ago.

During September 6–12, Miami-Dade had 5,470 (-22%); Broward had 2,733 (-16%); Palm Beach had 1,786 (-29%); and Hillsborough had 1,7932 (-32%). Orange County—where Disney is located—had 1,558 (-24%).

Since August 25th, cases in infants <6 months old decreased 23% to 256. For ages 6 months–4 years, cases decreased by 34% to 988.

Permanent Florida residents aged 5–19 experienced a 49% decline, despite adolescents having the highest positivity rate in the state.

1,213 children aged 5–11 had positive reports (-55%), and ages 12–19 had 2,546 positive reports (-46%).

Florida reported -1,235 cases for children <5 during June 17–23, 2022, when the state was preventing their vaccination.

During the 2021–2022 school year, the Hillsborough County School District reported 29,000 cases among students and personnel.

There is not a dashboard for the 2022–2023 school year which began on August 10th.

Healthcare workers who wore respirator masks like N95s had half the risk of getting Covid compared to those with surgical masks.

Florida law prohibits requiring masks in non-medical settings.

Parents decide about quarantining after a close contact at school.

On 1-31-22, FL shifted its focus to “high congregate settings,” not schools and day cares.

During the week leading up to that announcement 38,629 school-aged children in Florida had tested positive.

On 1-31-22, FL students absent due to Covid exposure are truant per Orange County.

Florida Covid Testing and Prevention:

A report released by the US House Select Subcommittee on the Coronavirus Crisis in June 2022 explains Florida’s approach to the pandemic: get as many people infected as quickly as possible to reach herd immunity.

One Trump Administration official wrote, “Infants, kids, teens, young adults, middle aged with no conditions, etc. have zero to little risk...so we use them to develop herd...we want them infected...and recovered...with antibodies.”

Scott Atlas, the chief architect, advised the DeSantis Administration before joining the federal government. Dr. Joseph Ladapo also promoted this “low testing/no masks/no lockdown” strategy to the White House before becoming the state’s surgeon general.

Dr. Birx wrote an email refusing to meet with the group which included Dr. Ladapo, calling them, “a fringe group without grounding in epidemics, public health, or on the ground common sense experience.”

With omicron reinfection becoming common, we now know that achieving herd immunity against SARS-CoV-2 is a myth, yet their tactics have not changed.

Recent research indicates that additive damage occurs to numerous organ systems with each Covid infection.

Due to at-home testing, the number of cases is likely to be under-reported.

The CDC advises notifying your doctor of positive at-home tests.

Public health officials recommend maintaining a positivity rate <5% for 2 weeks before reopening.

Florida crossed the 5% threshold during April 9–21, 2022.

For the week ending September 8th, Florida claimed a 12.4% positivity rate. The data the state reported to the CDC indicates that May 1st was the last time it was that low.

CDC positivity data using information from the state for September 2–8 trended down from 15.87% to 14.27%, with an average of 15.07% (-10% difference in a week).

That means there were about 87,000 cases during September 2–8, 2022 (-33%).

66 of Florida's 67 counties are above the 5% threshold; 24 of them are above 15%.

Orange County, where Disney is located, reported that 14.83% of tests were positive.

Of the 58 counties with decreased positivity, 39 fell by at least 2 full percentage points. 3 increased by at least two percentage points.

On 12-30-21, **when it was virtually impossible to find an at-home test**, FL's Agriculture Secretary revealed 1,000,000 expired antigen tests.

On 1-4-22, Dr. Ladapo decried the “testing psychology” in Florida to identify all cases.

On 1-8-22, FL's web site told those not at high risk of severe cases to avoid testing.

On 1-9-22, the governor announced 1,000,000 tests for long-term care and nursing homes

On 2-7-22, the state reprimanded two companies which failed to report 230,000 test results from December and January until that week.

On 3-2-22 Governor DeSantis chided a group of teens in a county with a high alert level and told them to remove their face masks. He then used that episode to raise campaign funds. Under those conditions, the CDC recommends that everyone wear masks indoors.

On 3-31-22, a UF faculty committee revealed discrepancies in the surgeon general's hiring as a tenured professor.

Florida Covid Treatment:

Omicron mutations render ineffective almost all monoclonal antibodies previously in use.

100% of US cases are due to those viral strains.

For the week ending January 8th, 97% of sequenced cases in the region which includes Florida were omicron.

Sotrovimab worked against the **omicron BA.1 variant** at a dosage 3x more than for delta. It is 27 times less effective for omicron BA.2.

During the first week of January, Florida used 140 of its 4,400 Sotrovimab doses and 2,700 of Regeneron.

On 1-18-22, FL opened more infusion centers to distribute 15,000 doses of Regeneron. The FDA revised its EUA for Regeneron on 1-24-22, prohibiting its use against omicron. DeSantis objected to no shipments; all FL antibody infusion centers closed on 1-25-22. Nevertheless, Florida administered over 37,500 doses after that date. Monoclonal antibodies can produce severe side effects.

Sotrovimab is 27 times less effective for omicron BA.2.

During April 3–9, 2022, the percentage of BA.2 increased from 80% to 91% in the region which includes Florida (71.7% BA.2 and 19.3% of the newer BA.2.12.1).

On 4-5-22, the FDA revoked the Emergency Use Authorization for Sotrovimab nationwide due to the predominance of BA.2 in every state.

On 9-8-22, the percentage of the BA.2 subvariant was 1%; BA.4.6 rose slightly (12%); BA.4 fell to 2%; and BA.5 (85%) declined by 1% in the region which includes Florida.

A monoclonal antibody called bebtelovimab is effective against BA.2, BA.4.6, and BA.5. It began shipping to Florida during February 14–20.

Here is the most recent weekly federal allocation of 8,717 Covid-specific treatments to Florida: 85 post-exposure Bebtelovimab (final allocation); 6,520 of the oral Paxlovid; 2,112 of the less-effective oral Molnupiravir.

In total, there are enough highly effective treatments for 6,605 Covid patients being delivered to the state.

As of 9-4-22, in the previous 2 weeks, Florida patients had used 63% of the state's cumulative Paxlovid deliveries (+5%); 20% of the Molnupiravir (+2%); 60% of the Bebtelovimab (+3%); and 44% of the Evusheld (+4%).

On 7-6-22, the FDA authorized pharmacists to prescribe Paxlovid since treatment must begin within 5 days of symptoms developing.

On 1-8-21, the FDA issued an Evusheld EUA for those with severe immunosuppression. People with certain cancers or organ transplants receive the highest priority.

DeSantis announced it on 12-17-21, when Covid was raging through Miami-Dade County.

First shipments only to a small private fee-based clinic in Broward County on 12-24-21.

People flew from out of state to receive it at the iCare Clinic.

The large transplant hospital in Miami was to receive it four weeks later.

During Jan 24–30, 2022 the federal government sent 32,000 outpatient treatments.

Evusheld requires a much higher dosage against omicron BA.2.12.1, BA.4, and BA.5, which account for 91% of cases in Florida's region.

Unfortunately, Evusheld is ineffective for some subvariants which derive from BA.4 and BA.5, such as BA.4.6 (12% of FL samples).

On 6-29-22, the FDA increased the dosage and recommended getting the shots every 6 months.

On 8-29-22, Florida received a monthly allocation of 12,336 doses of pre-exposure Evusheld for severely immunocompromised people.

Florida Covid Hospitalizations:

You won't find any hospitalization info on Florida's Weekly Reports since 6-4-21.

Florida must relay all hospitalization data to the US Dept of Health and Human Services.

For August 1, 2020–September 8, 2022, Florida has had 486,266 new hospital admissions for Covid patients. This represents 9.2% of *all* Covid admissions for 6.6% of the US population.

During September 2–8, 2022, there was an average of 424 admissions per day, a total of 2,966 (-15%).

On August 25th, there were 2.02 new admissions/100,000 Floridians; 2.34 the week before.

Admissions for all demographic groups fell. The amount of change ranged from -6% (ages 60–69) to -25% (40–49). Pediatric admissions declined by 21%.

332 children were admitted to FL hospitals in the last 2 weeks.

Compared to delta, omicron admissions are higher for younger than 30 and older than 69.

Since everyone 16+ became eligible for vaccination on April 1, 2021, Florida admissions are 60% higher than in the rest of the US. For September 2–8, it was 41% higher.

On 9-8-22, Florida worsened from 4th to 3rd in the nation for adult Covid admissions. During June 2–August 16, 2022, there were only 4 days that the state did not rank last. Florida improved significantly to 9th worst for adult hospitalizations; and 17th worst for adult ICU patients.

Pediatric admissions improved to 10th worst, and pediatric hospitalizations are at the national average.

When Florida officials refused to preorder vaccines for young children, the state was the 2nd worst in the US for pediatric admissions. Children <4 years old were 5x as likely to need hospital care during the first omicron wave than during delta.

On 9-8-22, 2,554 adult Covid patients were hospitalized (-7%).

The state had 413 adult admissions on that day (-14%).

292 patients needed ICU care, 11% of adults hospitalized with Covid (-7%).

54 children were hospitalized (-37%), with 20 pediatric admissions on that day (-26%).

Florida's pediatric admissions rank improved to 11th worst in the US. Until the August 11th report, it had been no better than 3rd for at least 18 weeks.

One in 22 admissions are for children, down from 1 in 4 on April 20th:

On 9-12-22, Orange County—where Disney is located—had 135 new hospital admissions in the last 7 days (-23%).

Miami-Dade had 309 (-23%); Broward had 222 (-23%); Palm Beach had 216 (-12%); and Hillsborough had 240 (-21%).

Largest increases were in the Southwest.

On 9-9-22, 79% of hospital beds in Florida were full (+3%); 5.4% used by Covid patients (no change). Covid patients accounted for 2,868 hospital beds (-8%).

On 9-9-22, .5.2% of ICU beds were used by 3,125 Covid patients. Overall, 72% of ICU beds were occupied. On 8-29-22, there were 355 patients occupying 5.9% of them.

On October 18th, I followed the Dept of Health's recommendation to contact their COVID Data Analytics section, then went outside. When I returned, I had to do a major recovery process following an unauthorized attempt to access my hard drive. I still have not received a response from the FL COVID Data Analytics group. Even the main site for the Florida Dept of Health appears on an unsecure connection: www.floridahealth.gov.

For a few weeks in the spring, my computer downloaded the official Florida Covid report. Then it again refused to open the file, citing a security risk. Dr. Salemi has resumed posting a link to the report, which is how I access it:



[Florida Covid Statistics: What is Really Happening?](#)[Florida Covid-19 Response](#)[Salemi USF: COVID-19 in Florida](#)

Faculty at the University of Florida charge that they have felt external pressure from the highest levels of state government to delete data related to their Covid research. They also encountered “barriers to accessing and analyzing” data and “barriers to publication of scientific research which inhibited the ability of faculty to contribute scientific findings during a world-wide pandemic.”

On January 21, 2022, a federal judge sided with the plaintiffs in a 74-page ruling. He asserted the University of Florida was “willing to suffer threats to its accreditation, congressional inquiries, unrelenting bad press, an all-but-certain hit to its rankings, and the substantial monetary cost of hiring an experienced D.C. firm to defend its policy. The only thing UF will not do, it seems, is amend its policy to make clear that it will never consider viewpoint in denying a request to testify.” As in *The Emperor’s New Clothes*, the emperor’s lords, “fearing the loss of their jobs and the Emperor’s good grace, enabled the charade by praising the Emperor’s fine suit.”

[The Hill: University of Florida Initiates Investigation into Alleged Destruction of COVID-19 Research Data](#)[Tampa Bay Times: Federal Judge Orders Injunction to UF’s Conflict of Interest Policy](#)

On March 31, 2022, a University of Florida faculty committee released a report charging that the university violated its own practices when hiring Joseph Ladapo, Florida’s surgeon general to a tenured position. Required faculty input regarding his application was due on September 17, 2021. However, Dr. Ladapo was informed he had the appointment on September 16th.

After receiving the letter with an October 1, 2021, start date, Dr. Ladapo changed it to September 20th, just prior to the news conference where the governor announced him as our new surgeon general:



College of Medicine

PO Box 100215
 Gainesville, FL 32610-0215
 352-273-7500 (Tel)
 352-273-8309 (Fax)

September 16, 2021

Joseph A. Ladapo, M.D., Ph.D.
 Associate Professor of Medicine
 Division of General Internal Medicine and
 Health Services Research
 David Geffen School of Medicine at UCLA

Dear Dr. Ladapo,

We are pleased to extend an invitation to you to join the faculty of the University of Florida's College of Medicine. This letter confirms our offer of a 1.0 FTE, full-time, twelve (12) month faculty position in the Department of Medicine, Division of General Internal Medicine beginning October 1, 2021. Your title is Professor in the tenure-track (Job Code #000504, Position #00035005). Your initial annual salary will be \$337,000 which includes an administrative supplement of \$75,000 for your role in the SVP of Health Affairs office. For this effort you will be assigned to lead a Special Projects group on developing policies and interventions to reduce healthcare disparities for UF Health. In the event that you no longer serve in this role, the associated administrative supplement will end.

September 20, 2021
 J.L.
 Joseph Ladapo

A screenshot of an offer letter extended to Dr. Joseph Ladapo in which the incoming Florida surgeon general changed his own start date from Oct. 1, 2021, to Sept. 20, 2021. [UF Health]

In response to a reporter's questions, Jeremy Redfern, the Florida Department of Health spokesman, sent an email stating, "The time of those at the University of Florida writing 100-page reports regarding hiring practices would be better spent working on important issues like research and curing cancer."

[Tampa Bay Times: Joseph Ladapo Hiring Violated UF Procedures, Faculty Report Says: Some Faculty Felt Ladapo, Florida's Surgeon General, Was the Subject of "Preferential Treatment on the Basis of His Political Opinions"](#)

Here is some of the data for September 2–8, 2022 from the Florida Department of Health report. Percentages of people who completed a vaccine series or received a booster shot are based upon the total population of eligible permanent Florida residents:

COVID-19 Weekly Situation Report: State Overview

Previous week (September 2, 2022 - September 8, 2022)

Published September 9, 2022

All data are provisional and subject to change. Data include only Florida residents.

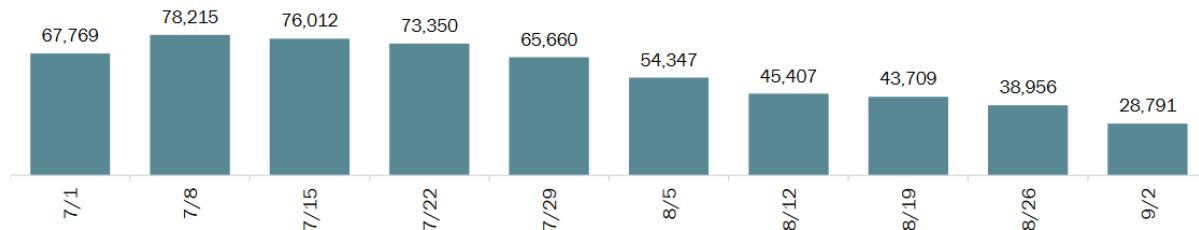


Case data	Previous week	Cumulative	Vaccine data	Previous week (doses administered)	Cumulative (people vaccinated)
Total	28,791	7,066,234	Total	10,808	16,017,132
New case positivity	12.4%	28.8%	First dose	4,231	2,205,983
Deaths	33	80,386	Series completed	4,567	7,819,623
			Additional or booster dose	2,010	5,991,526

See additional notes at the end of this report for information on positivity rate, deaths, and vaccination status.

Vaccine age groups	Population	Vaccinated
Total (6+ months)	22,207,477	72%
6 months-4 years	1,049,999	2.3%
5-11 years	1,709,114	25%
12-19 years	1,982,626	64%
20-29 years	2,735,328	66%
30-39 years	2,857,581	73%
40-49 years	2,690,641	80%
50-59 years	2,944,284	84%
60-64 years	1,482,302	88%
65+ years	4,755,602	94%

New cases for the past 10 weeks



- New cases = 28,791; Cumulative cases = 7,066,234
- Positivity rate = 12.4%
- New deaths = 33; Cumulative deaths = 80,386
- Vaccination rate = 72% of those eligible with at least one dose
- Fully vaccinated people minus those with booster shots: 7,819,623 (35%)
- Vaccinated with at least one booster dose: 5,991,526 (27%)

COVID-19 Weekly Situation Report: County Overview

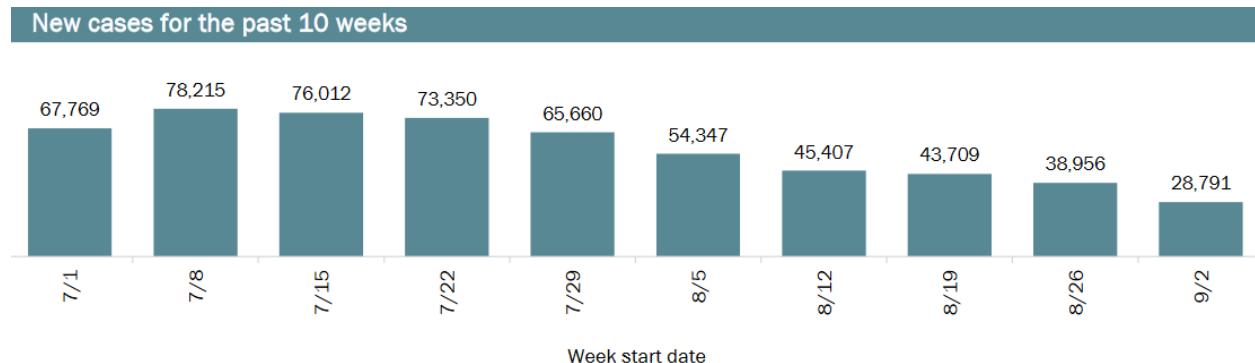
Previous week (August 19, 2022 - August 25, 2022)



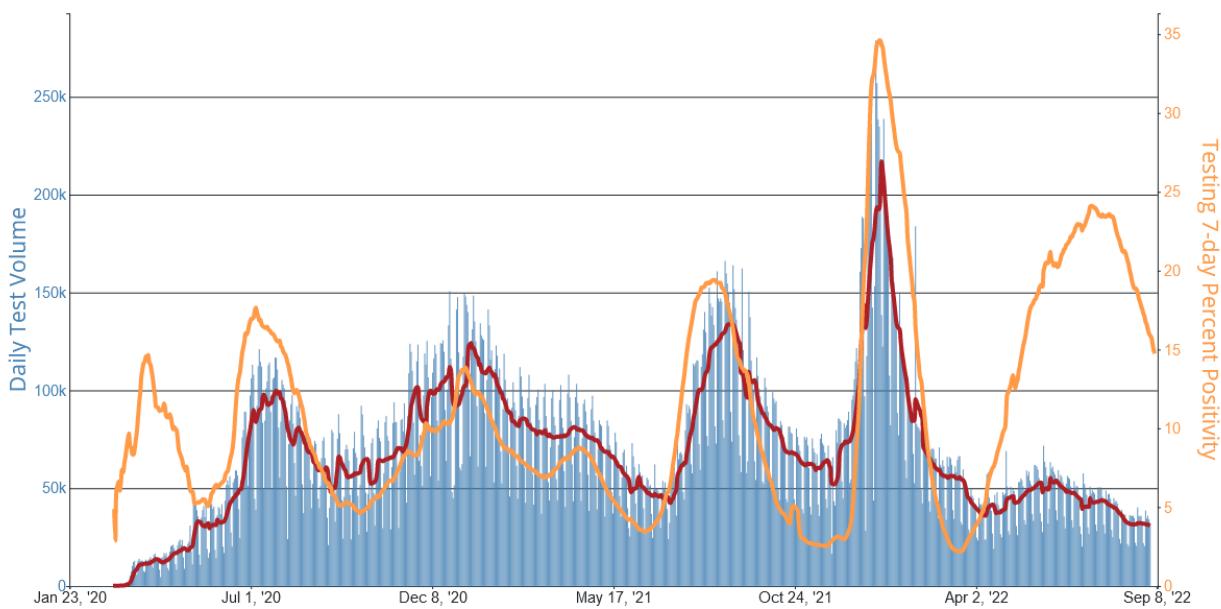
County	2022 population	Cumulative (since March 1, 2020)			Previous week (August 19, 2022 - August 25, 2022)				
		People 6+ months old vaccinated	Percent of 6+ months old vaccinated	Cases	Case positivity	People 6+ months old vaccinated	Cases	New case positivity	Cases per 100,000 population
Florida	22,324,144	15,999,823	72%	6,998,561	28.7%	8,724	43,703	16.2%	195.8

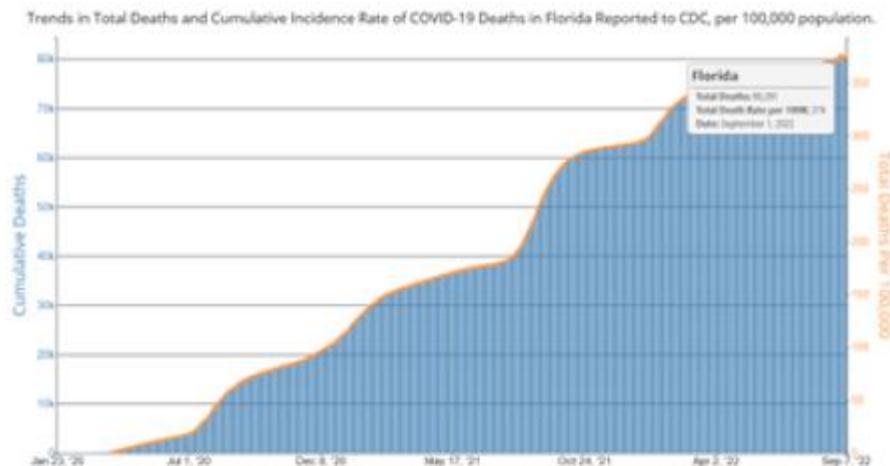
[Salemi USF: COVID-19 in Florida](#)

Here is some of the data from August 26–September 1, 2022, which the state submitted to the CDC. Cumulative numbers are derived from adding the new CDC or state information to the August 25th Florida Department of Health report. The corrected vaccination rate is from the CDC. Positivity data reflects the average for the week as reported to the CDC:



Daily Nucleic Acid Amplification Tests (NAATs) Performed and COVID-19 Nucleic Acid Amplification Tests (NAATs) 7-day Percent Positivity in Florida Reported to CDC





- New cases = 38,956; Cumulative cases = 7,037,443
- Positivity rate = 16.8%
- New deaths = 258; Cumulative deaths = 80,291
- Vaccination rate = 72% of those eligible with at least one dose
- Fully vaccinated people minus those with booster shots: not saved
- Total booster doses: not saved

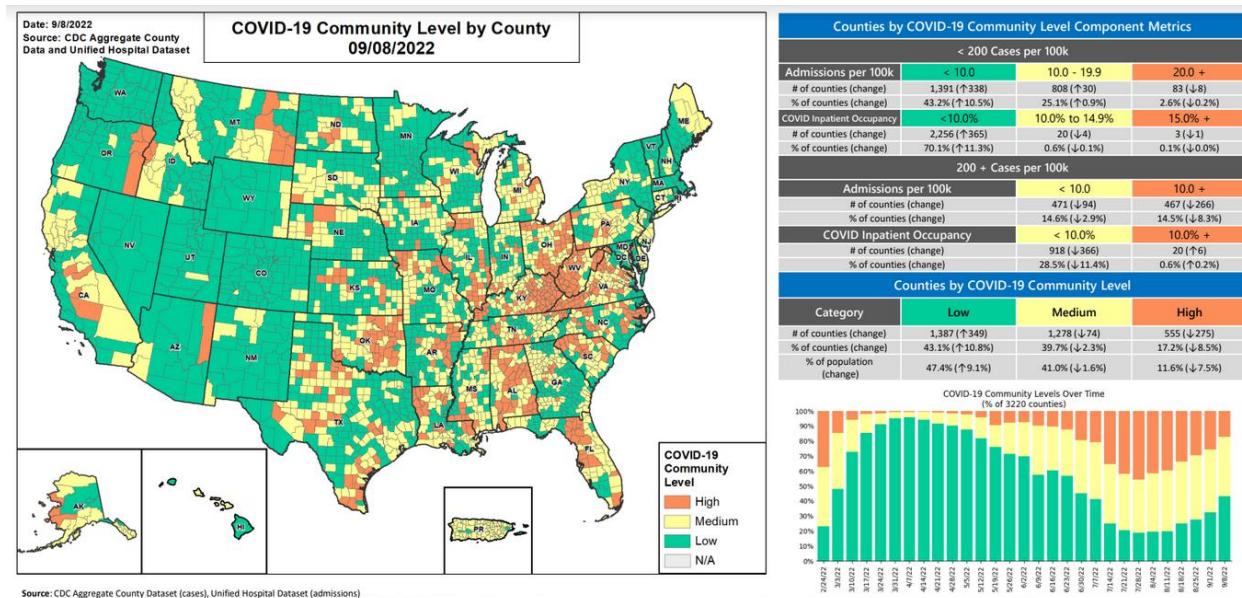
[Salemi USF: COVID-19 in Florida](#)

[CDC: Florida Daily Covid Testing](#)

[Trends in Number of COVID-19 Cases and Deaths in the US Reported to CDC, by State](#)

On February 25, 2022, the CDC updated their masking guidelines *based heavily upon Covid hospital admissions and utilization* and, to a lesser extent, upon the number of new cases in a county. **It does not reflect the level of transmission.** They range from low (green) through medium (yellow) to high risk (orange). Rural areas without hospital services may look better than they are. You can click on the hyperlink below this for more specific information and the interactive map.

This is the situation in Florida as of September 8, 2022. Nineteen of our counties are at the highest level (33); 35 are at the medium level; and 13 are green:

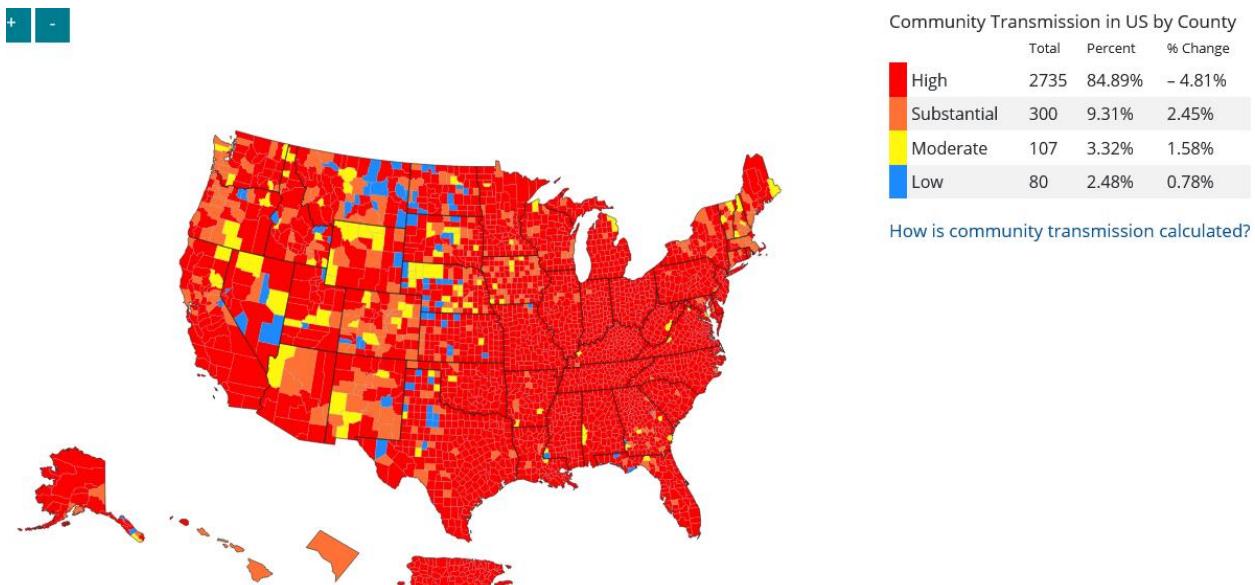


In areas of high alert, the CDC advises everyone to wear a high-quality tight-fitting mask indoors. **Please note that relaxed masking guidelines in green areas do not apply to severely immunocompromised people.**

CDC: COVID-19 Community Levels

[Tampa Bay Times: Florida's COVID-19 Cases Remain High as Deaths Surpass 77,000](#)

Here is the map for the same date based upon the level of Community Transmission:



CDC: Community Transmission in US

On March 2, 2022, Governor DeSantis visited Hillsborough County. As he approached a group of masked high school students, he said, “You do not have to wear those masks. I mean, please take them off. Honestly, it’s not doing anything and we’ve gotta stop with this COVID theater. So, if you want to wear it, fine, but this is ridiculous.”

He then used that outburst to raise campaign funds.

[WFLA: ‘This Is Ridiculous’: DeSantis Scolds Students for Wearing Face Masks During USF Visit](#)

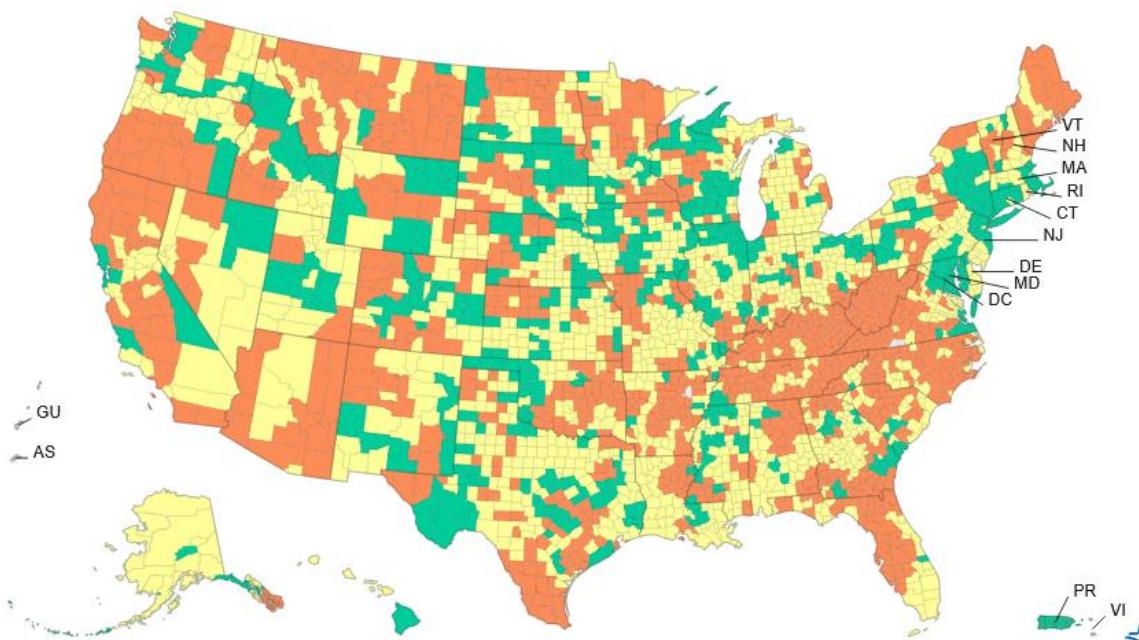
[The Hill: DeSantis Fundraises off Video of Him Chiding Students for Wearing Masks](#)

Hillsborough County had a high alert level for Covid before and after that date:

U.S. COVID-19 Community Levels by County

Data provided by CDC

Updated: Feb. 24, 2022



[Feb 25, 2022 Florida Covid Stats: What Is Really Happening?](#)

[March 3, 2022 Florida Covid Stats: What Is Really Happening?](#)

Florida Covid Vaccinations:

Compare the FDA's June 17, 2022, Emergency Use Authorization for eligibility in children (6 months+) to what Florida says on the Department of Health website (12+ on one page and 6 months+ on another) and in the September 8, 2022, Department of Health report's vaccination notes (5+):

FDA NEWS RELEASE

Coronavirus (COVID-19) Update: FDA Authorizes Moderna and Pfizer-BioNTech COVID-19 Vaccines for Children Down to 6 Months of Age

[Share](#) [Tweet](#) [LinkedIn](#) [Email](#) [Print](#)

For Immediate Release: June 17, 2022

Español

Today, the U.S. Food and Drug Administration authorized emergency use of the Moderna COVID-19 Vaccine and the Pfizer-BioNTech COVID-19 Vaccine for the prevention of COVID-19 to include use in children down to 6 months of age.

- For the Moderna COVID-19 Vaccine, the FDA amended the emergency use authorization (EUA) to include use of the vaccine in individuals 6 months through 17 years of age. The vaccine had been authorized for use in adults 18 years of age and older.
- For the Pfizer-BioNTech COVID-19 Vaccine, the FDA amended the EUA to include use of the vaccine in individuals 6 months through 4 years of age. The vaccine had been authorized for use in individuals 5 years of age and older.



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[Vaccine Information](#) [Vaccine Locator](#) [Testing Site Locator](#) [Treatment Locator](#)

Who is eligible for a COVID-19 vaccine?



The U.S. Food and Drug Administration has authorized and recommended three vaccines to prevent COVID-19 in the U.S.:

- The Pfizer-BioNTech COVID-19 vaccine for individuals 12 years of age and older.
- The Moderna and Janssen (Johnson & Johnson) COVID-19 vaccines for individuals 18 years of age and older.

COVID-19 Vaccines in Florida

Latest Vaccine Updates

6/17/22 The U.S. Food and Drug Administration [authorized emergency use](#) of the Moderna and Pfizer-BioNTech COVID-19 vaccine for the prevention of COVID-19 to include use in children down to six months of age. Enrolled providers are able to order COVID-19 vaccines for this age group through Florida SHOTS. [Learn more.](#)



Vaccination notes

Data in this summary pertain to COVID-19 vaccines approved by the U.S. Food and Drug Administration (FDA) or have been issued an Emergency Use Authorization (Janssen COVID-19 Vaccine, Moderna COVID-19 Vaccine and Pfizer-BioNTech COVID-19 Vaccine) by the FDA. These data summarize the number of people who have received either their first dose or have completed their primary series for a COVID-19 vaccine. A person can only be counted in one category, first dose, series complete or additional or booster dose. For persons receiving Moderna or Pfizer vaccines, once they receive their second dose, they are moved from the first dose column to the series completed column. Once a person receives their additional or booster dose, they are moved from the series completed column to the additional or booster dose column. Because of this, the total in each category may show a change from report to report not matching the totals from the previous week. Persons receiving Johnson & Johnson vaccines are not counted in the first dose category. The age group table displays the current percentage of people in an age group who have received at least one dose of the Moderna or Pfizer doses or one Johnson & Johnson dose. The total line is the current percentage of the eligible population (ages 5+).

[FDA: FDA Authorizes Pfizer-BioNTech COVID-19 Vaccine for Emergency Use in Children 5 through 11 Years of Age](#)

[Florida Covid Response: Who Is Eligible for a Covid-19 Vaccine](#)

[FDH: Covid-19 Vaccines in Florida](#)

[Salemi USF: COVID-19 in Florida](#)

As expected, on June 18th, the CDC issued a statement recommending vaccination for all children at least 6 months old. They also expanded eligibility for the Moderna vaccine to children aged 5–17 years old. On July 8th, the FDA upgraded the status for the Pfizer vaccine in ages 12–17 to full approval. Novavax received an EUA for adolescents on August 22nd:

COVID-19 primary series vaccination for children and teens

Child's Age	Pfizer-BioNTech	Moderna	Novavax	J&J/Janssen
6 months – 4 years old	3-dose primary series	2-dose primary series	Not authorized	Not authorized
5 – 11 years old	2-dose primary series	2-dose primary series	Not authorized	Not authorized
12 – 17 years old	2-dose primary series	2-dose primary series	2-dose primary series	Not authorized

[CDC: CDC Recommends COVID-19 Vaccines for Young Children](#)

[FDA: Coronavirus \(COVID-19\) Update: FDA Authorizes Moderna and Pfizer-BioNTech COVID-19 Vaccines for Children Down to 6 Months of Age](#)

[FDA: FDA Roundup, July 8, 2022](#)

[CDC: CDC Recommends Novavax COVID-19 Vaccine for Adolescents](#)

Since the clinical trials in young children occurred while omicron was prevalent, it is not surprising that both vaccines showed lower efficacy in preventing infection. Two doses of Moderna were more effective (51% in 6 months–under 2 years; 37% in 2–4 years) than two shots of the Pfizer vaccine, which failed to produce a sufficient immune response. That is why a full series of Pfizer consists of three shots (80% effective in trials; 73% against BA.2). Both types were well-tolerated, with side effects comparable to other childhood vaccines.

[Ars Technica: Why Moderna's FDA-Authorized COVID Shot for Under 5s Has the Edge Over Pfizer's](#)

[MedPage: Pfizer or Moderna: Which COVID Vaccine Is the Best Bet for Your Toddler?](#)

[Pfizer: Updated COVID-19 Vaccine Data Supporting Efficacy in Children 6 Months through 4 Years of Age](#)

In anticipation of FDA approval, the federal government created a June 13, 2022, deadline for states to preorder the smaller doses of the Pfizer and Moderna vaccines required for children aged 6 months–4 years old. Florida was the only state to miss that deadline.

While federal pharmacies like Costco, Publix, Sam's Club, Walgreens, and Winn-Dixie can order doses directly from the US government, most of them do not administer any vaccinations to children under 3 years old. CVS Minute Clinics are an exception, accepting children at least

18 months old. Despite being the first pharmacies to receive the adult vaccines in Florida, Publix has announced they will not provide them for children under 5. I recommend using the [Vaccines.gov](https://www.vaccines.gov) website to locate a participating pharmacy.

During a press conference, Governor DeSantis asserted, “I would say we are affirmatively against the COVID vaccine for young kids. These are the people who have zero risk of getting anything.”

The spokesman for the Florida Department of Health stated, “The Florida Department of Health [DoH]… has made it clear to the federal government that states do not need to be involved in the convoluted vaccine distribution process, especially when the federal government has a track record of developing inconsistent and unsustainable COVID-19 policies. It is also no surprise we chose not to participate in distribution of the COVID-19 vaccine when the Department does not recommend it for all children.”

As with all other childhood vaccines, Florida hospitals were able to preorder the Pfizer vaccine for children aged 5–11 in November 2021 from the state program Florida SHOTS. However, the state’s website did not provide that option for the younger cohort for several days after receiving widespread attention in the national press. The president of the FL chapter of the American Academy of Pediatrics stated that in her contacts with the FL DoH on this issue, the agency never claimed the situation would change after the FDA authorized the vaccines.

Within an hour of the bipartisan House Select Subcommittee on the Coronavirus demanding an explanation, pediatric healthcare providers were able to place orders directly beginning on June 17, 2022.

Participants in the Florida SHOTS program must order at least 100 doses. Unlike for all other age groups, the state will not store the lower dosage vaccines. As a result, small independent pediatric clinics may find it harder to deliver these shots, making it even more difficult for parents with children under 18 months old. A ten-dose vial must be thrown away 12 hours.

According to a federal official, “The state of Florida intentionally missed multiple deadlines to order vaccines to protect its youngest kids. Now despite repeated efforts to reach out and engage officials in the state of Florida, elected officials deliberately chose to delay taking action to deny Florida parents the choice of whether to vaccinate their children or not.”

[Tampa Bay Times: Florida Infants, Toddlers Face COVID Vaccine Delay, White House Says](https://www.tampabay.com/news/2022/06/17/white-house-says-florida-infants-toddlers-face-covid-vaccine-delay/)

[Fox: Florida Pharmacies Will Have COVID Vaccines for Eligible Kids Under 5](https://www.foxnews.com/politics/florida-pharmacies-will-have-covid-vaccines-for-eligible-kids-under-5)

[CNBC: Covid Vaccine “Deserts” and Tech Woes: Publix’s Florida Rollout Highlights Risks as Retailers Play a Larger Role](https://www.cnbc.com/2022/06/17/covid-vaccine-deserts-and-tech-woes-publixs-florida-rollout-highlights-risks-as-retailers-play-a-larger-role.html)

[The Hill: Florida-Based Publix Says They Will Not Offer Vaccine “At This Time” to Kids Under 5](https://www.hill.com/politics/2022/06/17/white-house-says-florida-based-publix-will-not-offer-covid-vaccine-at-this-time-to-kids-under-5/1000000000000000000)

[Web MD: Florida Governor Rejects COVID Vaccines for Young Kids](#)

[WFLA: Pediatrics Group Calls on Florida to Order COVID Vaccine for Kids](#)

[NY Times: After Public Pressure, Florida Allows Pediatricians to Order Vaccines for Very Young Children](#)

[McClatchy: Congressional Panel Demands DeSantis Briefing on COVID Vaccines for Kids by End of Month](#)

[Tampa Bay Times: “Waiting for So Long”: COVID Vaccines Reach Youngest Floridians](#)

[Miami Herald: COVID Vaccine for Infants Arrive in Florida. Here’s Why Doctors Are Throwing Them Away](#)

On June 28th, Florida Surgeon General Joseph Ladapo testified to the House subcommittee. He confirmed that he and Governor DeSantis made the decision not to preorder the lower dose vaccines and to prohibit county health departments from vaccinating young children. Dr. Ladapo admitted this would likely prevent 33,000 children without a regular doctor from receiving vaccination.

When a subcommittee member asked Dr. Ladapo about the risk of Covid infections compared to the risk of vaccination, the surgeon general called it “a perverse question.” He asserted the comparison which matters is the risk of vaccination vs. non-vaccination, as if SARS-CoV-2 poses “little to no risk of severe illness complications.”

That same day, a high-ranking federal health official pledged to deliver smaller quantities of vaccines directly to health care providers who request them.

Based upon the experience with other age groups, pediatricians can safely give Covid vaccines with routine immunizations.

On June 30th, the same day she began vaccinating young children, the state removed the president of the Florida Academy of Pediatrics from her board position at Florida Healthy Kids. Florida’s Chief Financial Official made the move due to “some very political statements that do not reflect the CFO’s point of view, even going so far as to say that the state is ‘obstruct(ing)’ access to vaccines.’ The CFO does not share your opinion and believes the state has gone to great lengths to protect lives in the face of the Coronavirus.”

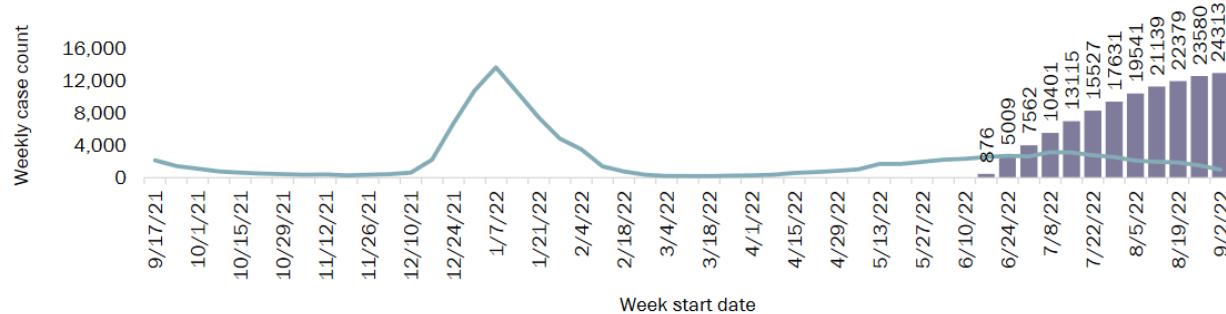
[Tampa Bay Times: Ladapo Tells Congress that Florida Decision Could Limit Kids’ Vaccine Access](#)

[MedPage: Pediatrician Axed for Advocating COVID Vax in Youngest Kids](#)

[MedPage: Youngest Kids Can Get COVID Shots with Other Vaccines](#)

As of September 8th, 24,313 young children had received their first shot in Florida, 2% of that age group. Only 25% of children aged 5–11 and 64% of adolescents had at least one dose:

Ages 6 months to 4 years



COVID-19 Weekly Situation Report: State Overview

Previous week (September 2, 2022 - September 8, 2022)



Published September 9, 2022

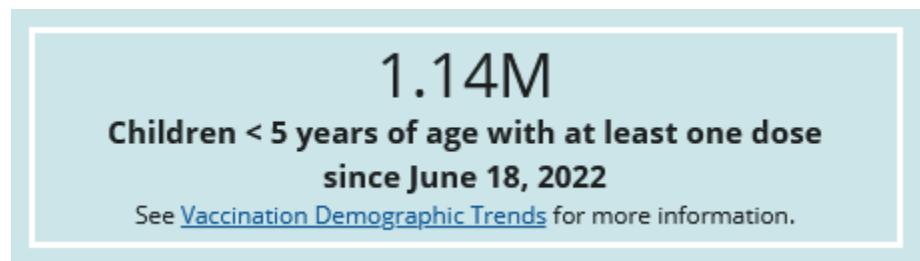
All data are provisional and subject to change. Data include only Florida residents.

Case data	Previous week	Cumulative	Vaccine data	Previous week (doses administered)	Cumulative (people vaccinated)
Total	28,791	7,066,234	Total	10,808	16,017,132
New case positivity	12.4%	28.8%	First dose	4,231	2,205,983
Deaths	33	80,386	Series completed	4,567	7,819,623
			Additional or booster dose	2,010	5,991,526

See additional notes at the end of this report for information on positivity rate, deaths, and vaccination status.

Vaccine age groups	Population	Vaccinated
Total (6+ months)	22,207,477	72%
6 months-4 years	1,049,999	2.3%
5-11 years	1,709,114	25%
12-19 years	1,982,626	64%
20-29 years	2,735,328	66%
30-39 years	2,857,581	73%
40-49 years	2,690,641	80%
50-59 years	2,944,284	84%
60-64 years	1,482,302	88%
65+ years	4,755,602	94%

Nationwide, 1,140,000 children <5 had received a Covid vaccination by September 7, 2022, 7% of children in that age bracket:



[Salemi USF: COVID-19 in Florida](#)

[CDC: COVID-19 Vaccinations in the United States](#)

[American Academy of Pediatrics: Summary of Data Publicly Reported by the CDC on 8/24/22](#)

Among the first 1,040,000 children under 5 who received vaccination, symptoms were like those from routine childhood immunizations. No cases of myocarditis occurred. Only 19 experienced severe reactions (0.2%). Four of the children needed hospital care; however, the parents of two of them asserted the medical emergencies were unrelated to the vaccinations. That makes the hospitalization rate 0.0002%:

Data support the safety of COVID-19 vaccination for children ages 6 months to 5 years*

More than 1 million children were vaccinated; reports of serious adverse events were rare**

Most reported reactions were mild or moderate:

- Pain in the arm where the shot was given
- Irritability
- Crying
- Sleepiness

No reports of myocarditis†

Everyone ages 6 months and older should receive recommended COVID-19 vaccines to protect against severe illness and death

* Study of 22,915 children enrolled in VAEIS and AER reports received and processed by VAEIS — United States, June 18–August 21, 2022. ** 19 serious reports to VAEIS after approximately 1 million children vaccinated. VAEIS reports are classified as “serious” only if one of the following events are reported: hospitalization, prolongation of hospitalization, life-threatening illness, permanent disability, congenital anomaly or birth defect, or death. † Myocarditis, or inflammation of the heart muscle, is a rare adverse event that has been associated with mRNA COVID-19 vaccines.

MMWR

[MMWR: COVID-19 mRNA Vaccine Safety Among Children Aged 6 Months–5 Years—United States, June 18, 2022–August 21, 2022](#)

For infants too young to receive vaccination, having a mother who received two doses of a vaccine while pregnant reduced hospitalizations by 38% during the omicron wave and 80% during delta. Vaccine efficacy doubled when administered after 20 weeks rather than earlier. The American College of Obstetrics and Gynecology recommends that unvaccinated pregnant women become vaccinated as soon as possible to protect them and their fetuses from significant harm or death.

Pregnant women who received boosters had 4x the antibodies of those with 2 doses. Their newborns had 2x as many antibodies as their mothers.

[MedPage: Newborns' Protection with Moms' COVID Vax Dips During Omicron](#)[NEJM: Maternal Vaccination and Risk of Hospitalization for Covid-19 among Infants](#)[ACOG: COVID-19 Vaccines and Pregnancy: A Conversation Guide](#)[JAMA: COVID-19 mRNA Vaccine Booster During Pregnancy Increases Maternal and Fetal Antibodies](#)

On March 7, 2022, a discussion panel moderated by Governor DeSantis recommended against Covid vaccination for healthy children due to the risk of adolescent males developing myocarditis. The state surgeon general noted that Florida is the only state to make such a declaration.

[Tampa Bay Times: Florida Says Healthy Kids Shouldn't Get COVID Vaccine, Contradicting CDC](#)

At least four researchers cited by the state disagreed with how Florida officials used their work. A pediatrics professor from Vanderbilt University Medical Center who co-authored one of the papers said, “I think there is cherry-picking of sentences to support what (the state) wanted. You don’t just pick one sentence from one paper that agrees with what you think you want to say. That’s not what a health department is supposed to do.”

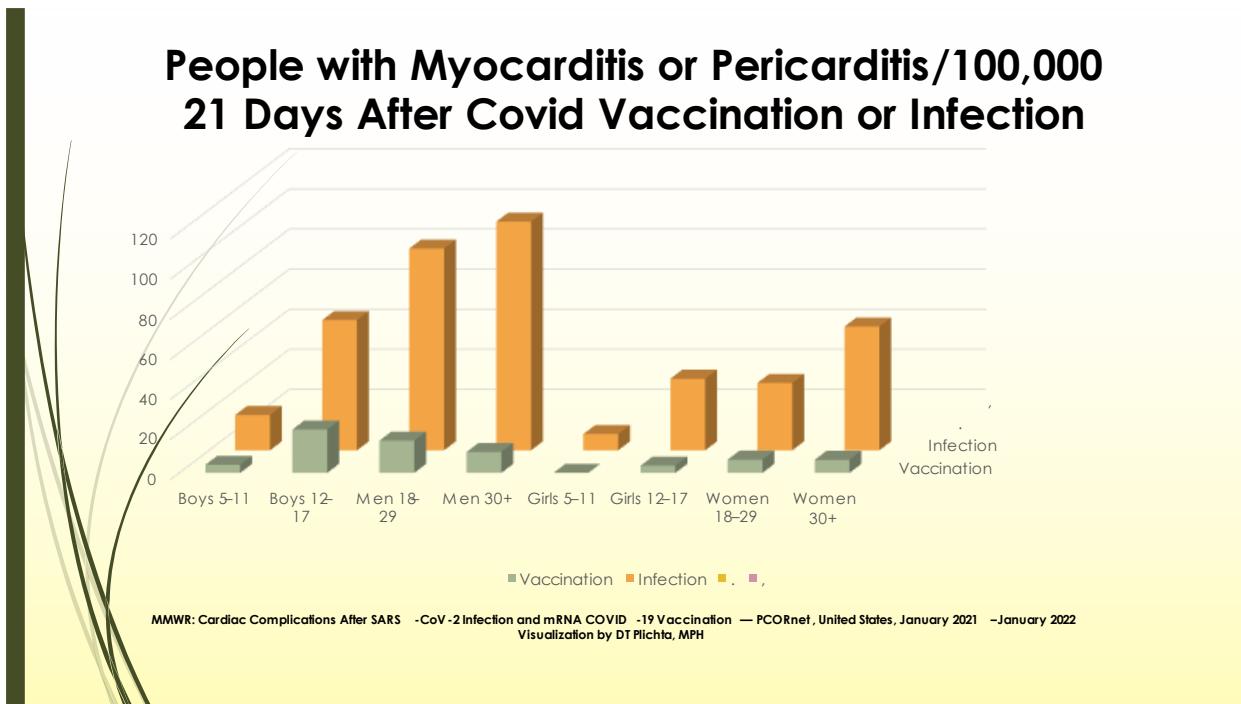
Each of the studies Florida officials cited recommended Covid vaccination for children as safe and effective. Florida health officials omitted that information in their updated guidelines. The researchers asserted that vaccination remains the best way to protect children from severe Covid.

[Tampa Bay Times: COVID Researchers: Florida “Cherry-Picked” Our Work in Kid Vaccine Recommendation](#)

On May 27, 2022, the Florida Department of Health threatened to fine the Special Olympics \$27,500,000 if the organization continued to mandate vaccination for participants in a week-long national tournament. The organization issued a statement saying they would nullify the decree “based upon the Florida Department of Health’s interpretation of Florida law.”

[Politico: Special Olympics Reverses Vaccine Requirement After Florida Threatens \\$27.5M Fine](#)

In contrast to the myocarditis arising from vaccination, the inflammation resulting from SARS-CoV-2 can cause life-threatening heart conditions in children, adolescents, and adults. A study of 77,000 children found that 5–11-year-old boys were 540% more likely to develop heart inflammation after a Covid infection than after vaccination. No girls of that age who were vaccinated developed myocarditis or pericarditis. Hormones account for the differences in risk between age groups and sexes:

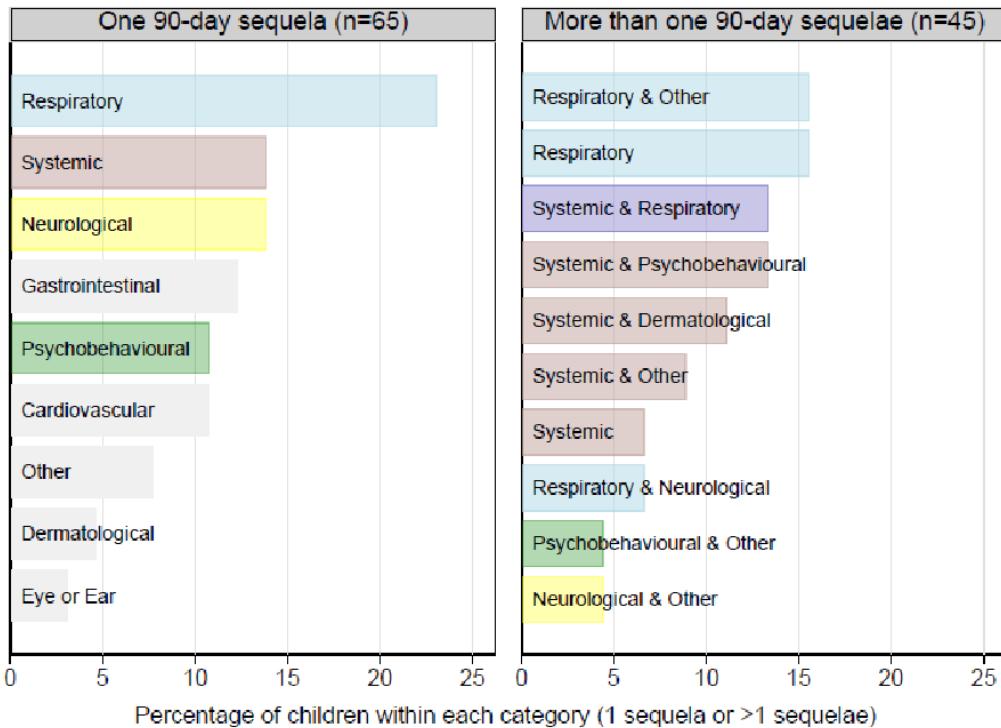


Circulation: Myocarditis with COVID-19 mRNA Vaccines

[MMWR: Cardiac Complications After SARS-CoV-2 Infection and mRNA COVID-19 Vaccination—PCORnet, United States, January 2021–January 2022](#)

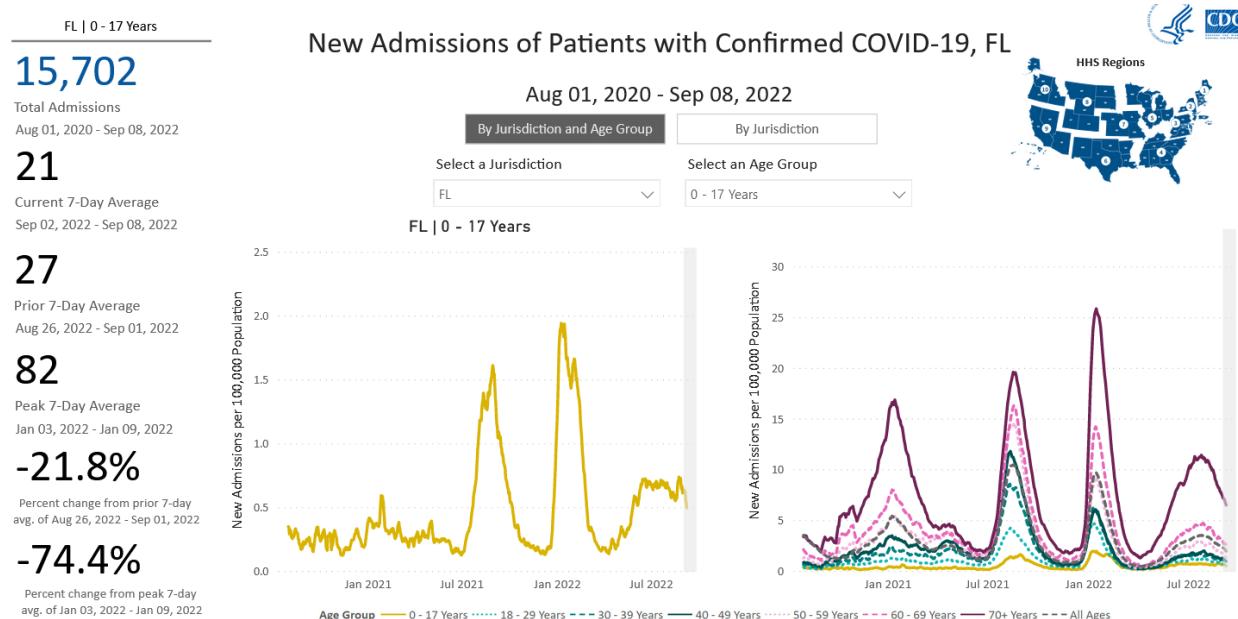
Research examining the health of children 90 days after they tested + in emergency rooms revealed that 6% developed post-Covid health issues. The rate doubled for those with hospital admission (10% vs 5%). Those with at least 4 symptoms and age 14+ were at greatest risk of Long Covid. Respiratory, systemic, neurological, and gastrointestinal issues were the most common symptoms:

eFigure 1. Types of 90-Day Persistent, New or Recurring Health Problem According to Number of Health Problems Reported Among the 110 SARS-CoV-2-Positive Children Reporting Any Persistent New or Recurring Health Problem



[JAMA: Post-COVID-19 Conditions Among Children 90 Days After SARS-CoV-2 Infection](#)

Since August 2020, 15,702 minors have required hospitalization for Covid in Florida, with 332 of those in the last two weeks:



[COVID Data Tracker: New Admissions of Patients with Confirmed COVID-19 per 100,000 Population by Age Group](#)

[Aug 25, 2022 Florida Covid Stats: What Is Really Happening?](#)

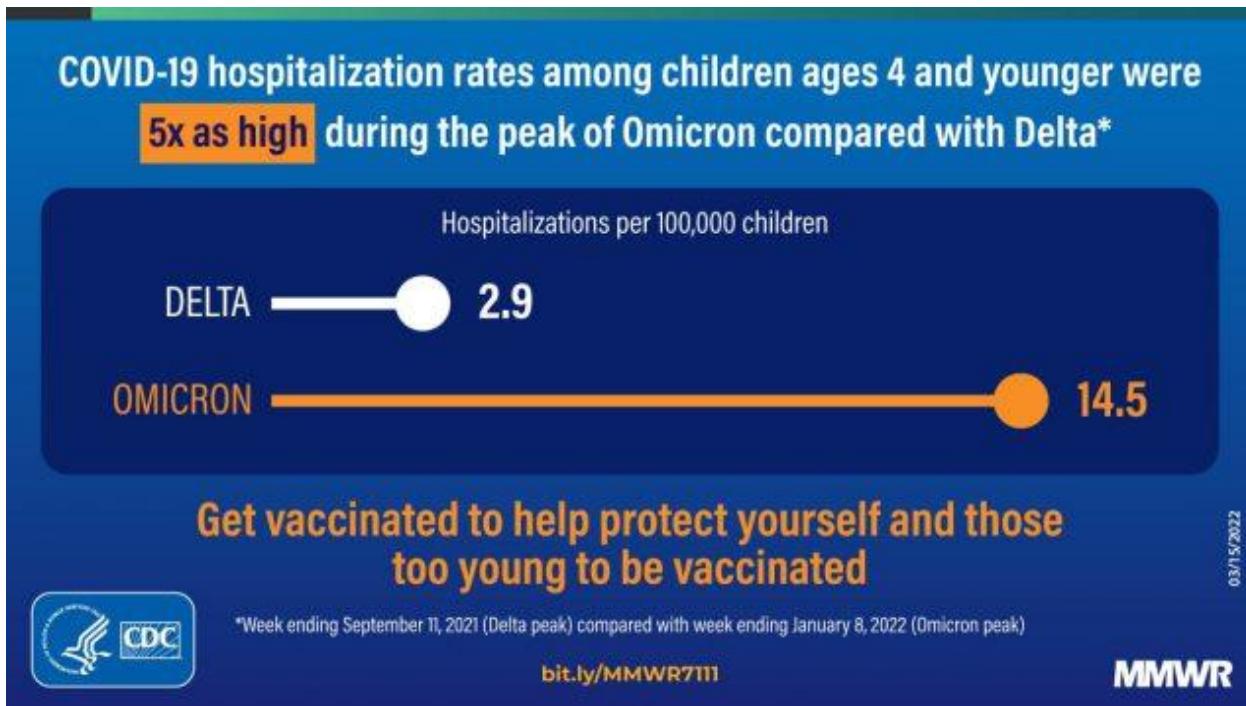
In the US, children are three times as likely to have had severe disease from omicron than from previous variants:



[JAMA: Acute Upper Airway Disease in Children with the Omicron \(B.1.1.529\) Variant of SARS-CoV-2—A Report from the US National COVID Cohort Collaborative](#)

[MMWR: Hospitalizations of Children Aged 5–11 Years with Laboratory-Confirmed COVID-19—COVID-NET, 14 States, March 2020–February 2022](#)

Children <4 years old experienced hospitalization rates 5x greater than during the delta wave:



[MMWR: Hospitalization of Infants and Children Aged 0–4 Years with Laboratory-Confirmed COVID-19—COVID-NET, 14 States, March 2020–February 2022](#)

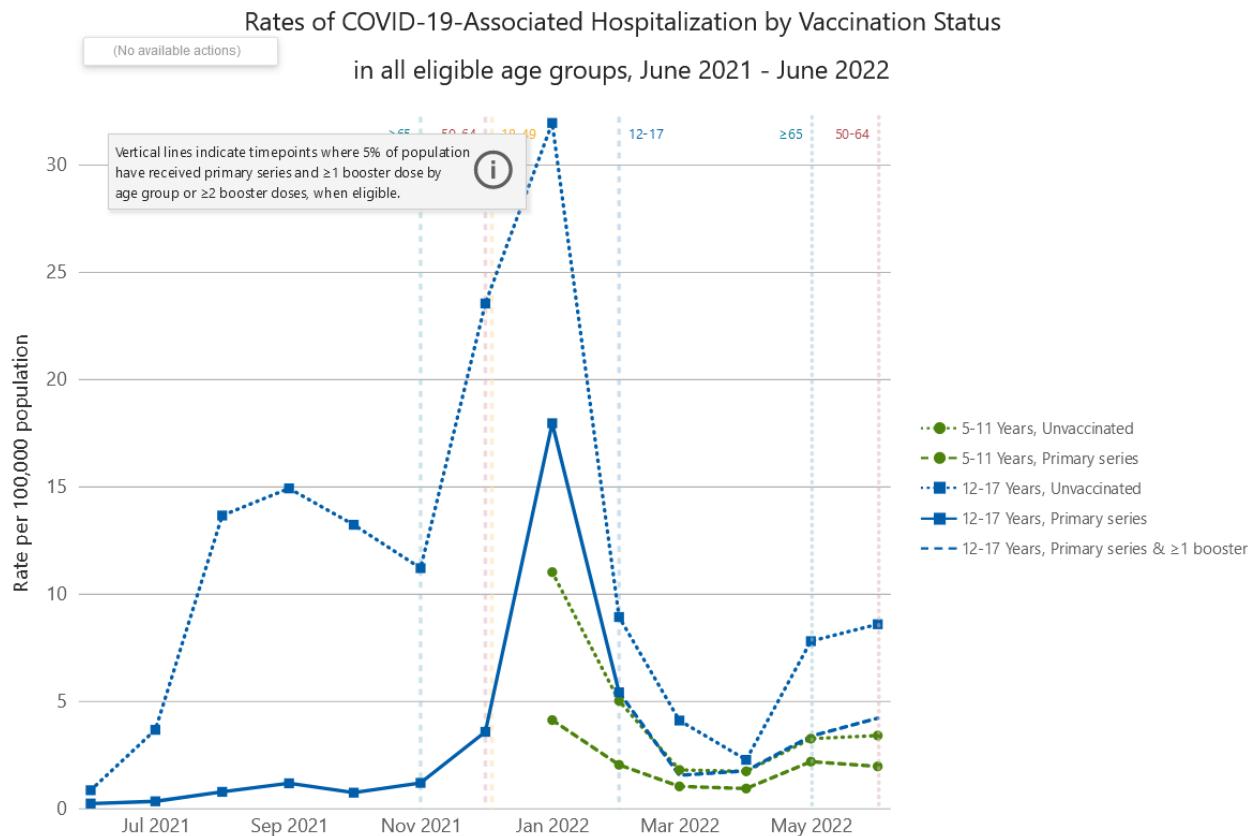
On May 17, 2022, the FDA approved a booster shot of the Pfizer vaccine for children aged 5–11. The CDC recommends using only the original formulation—not the one developed against omicron variants—for that age group:

What You Need to Know

- CDC recommends everyone stay up to date with COVID-19 vaccination, including all primary series doses and boosters for their age group:
 - People ages **6 months through 4 years** should get all COVID-19 primary series doses.
 - People ages **5 years and older** should get all primary series doses, and the booster dose recommended for them by CDC, if eligible.
 - People ages **5 years to 11 years** are currently recommended to get the **original (monovalent) booster**.
 - People ages **12 years and older** are recommended to receive one **updated Pfizer or Moderna (bivalent) booster**.
 - This includes people who have received all primary series doses and people who have previously received one or more original (monovalent) boosters.
 - At this time, people aged **12 years to 17 years** can only receive the **updated Pfizer bivalent booster**.
- Getting a COVID-19 vaccine after you recover from COVID-19 infection provides added protection against COVID-19.
- People who are moderately or severely immunocompromised have [different recommendations for COVID-19 vaccines](#), including boosters.
- [COVID-19 vaccine and booster recommendations](#) may be updated as CDC continues to monitor the latest data.

CDC: Stay Up to Date with COVID-19 Vaccines Including Boosters

During June 2022 in the US, unvaccinated children aged 5–11 were 74% more likely to need hospital admission than their vaccinated peers. Unvaccinated teens (12–17) were 104% more likely to require inpatient hospital care than boosted teens:



[MedPage: FDA Authorizes COVID Booster for Younger Kids—Agency Cites Concern over Omicron, Long Covid in Its Reasoning](#)

[CDC: Rates of Laboratory-Confirmed COVID-19 Hospitalizations by Vaccination Status](#)

Sixty-two Floridians <15 have died, and many of the survivors have subsequently developed serious health conditions, like diabetes. While children are at lower risk than adults, throughout the US, Covid was one of the top ten causes of death in those aged 0–19 during January 2021 through March 2022:

Age-Specific COVID-19 Mortality Rates by State

Age groups are <1 year, 1–4 years, and then 10-year age groups

Can filter to any combination of years, age groups, and states

State	Age Group	State Rank (1=best)	Population	Covid 19 Deaths	% of C19 Deaths in Age Group	C19 Deaths Per100K (state)	C19 Deaths Per100K (nation)	Mortality Rate Ratio
Florida	< 1 year	37	219,558	19	0.6	8.7	9.3	0.93
	1–4 years	44	915,447	12	1.7	1.3	1.2	1.13
	5–14 years	45	2,390,568	31	3.2	1.3	1.0	1.35
	15–24 years	42	2,466,792	220	3.6	8.9	6.6	1.36
	25–34 years	40	2,818,471	878	6.2	31.2	25.2	1.23
	35–44 years	39	2,649,160	2,183	10.3	82.4	68.0	1.21
	45–54 years	36	2,692,803	4,929	13.6	183.0	169.4	1.08
	55–64 years	30	2,942,419	10,652	12.6	362.0	357.1	1.01
	65–74 years	23	2,539,576	16,545	12.5	651.5	731.8	0.89
	75–84 years	11	1,502,209	20,012	11.8	1,332.2	1,642.4	0.81
	85+ years	9	596,309	18,975	9.6	3,182.1	4,094.0	0.78

September 8, 2022

Age-specific rank of COVID-19 deaths among leading causes of death in the U.S., January 2021 - January 2022

Ages	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
January 2021	6	4	3	2	1	1	1	1	1
February	7	5	5	4	3	3	2	2	2
March	9	6	6	5	4	3	3	3	5
April	7	6	6	5	4	3	3	3	5
May	9	6	6	5	4	3	3	5	6
June	11	7	7	7	4	4	6	7	9
July	7	5	6	4	4	4	4	6	7
August	5	4	2	1	1	1	3	3	3
September	5	4	2	1	1	1	1	3	2
October	6	4	2	2	1	2	3	3	3
November	7	4	4	2	1	3	3	3	4
December	6	4	2	2	1	2	3	3	3
January 2022	4	4	2	2	1	1	1	1	2

Note: COVID-19 deaths in each month are compared to monthly average deaths for other leading causes in the first half of 2021 or the most recent year available.

Source: KFF analysis of CDC Provisional data, CDC Wonder data, and KFF COVID-19 Tracker data • [Get the data](#) • [PNG](#)

Peterson-KFF
Health System Tracker

[Tampa Bay Times: The CDC Says Kids Should Get the COVID Vaccine—Despite Florida](#)

[Salemi USF: Covid Deaths by State](#)

[Peterson-KFF: COVID-19 Leading Cause of Death Ranking](#)

[MedRxiv: Covid-19 Is a Leading Cause of Death in Children and Young People Ages 0–19 Years in the United States](#)

According to the CDC, as of September 8, 2022, 68% of people in Florida had at least completed a vaccine series. The increase of 840,000 compared to the Florida Department of Health's data is attributed to including federal personnel stationed in Florida which the state does not count:

Vaccinations in Florida

People Vaccinated	At Least One Dose	Fully Vaccinated
Total	17,381,594	14,648,767
% of Total Population	80.9%	68.2%
Population \geq 5 Years of Age	17,348,447	14,640,977
% of Population \geq 5 Years of Age	85.3%	72%
Population \geq 12 Years of Age	16,899,514	14,284,669
% of Population \geq 12 Years of Age	90.4%	76.4%
Population \geq 18 Years of Age	15,909,511	13,461,268
% of Population \geq 18 Years of Age	92.2%	78%
Population \geq 65 Years of Age	4,850,178	4,158,595
% of Population \geq 65 Years of Age	95%	92.5%

COVID-19 Weekly Situation Report: State Overview

Previous week (September 2, 2022 - September 8, 2022)

Published September 9, 2022

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Case data	Previous week	Cumulative	Vaccine data	Previous week (doses administered)	Cumulative (people vaccinated)
Total	28,791	7,066,234	Total	10,808	16,017,132
New case positivity	12.4%	28.8%	First dose	4,231	2,205,983
Deaths	33	80,386	Series completed	4,567	7,819,623
			Additional or booster dose	2,010	5,991,526

Based upon CDC data, 28% of permanent Florida residents and snowbirds have received a booster shot:

People with a First Booster Dose ⁺	Boosters
Total	6,219,011
% of Fully Vaccinated Population with a First Booster Dose	42.5%
Fully Vaccinated Population \geq 5 Years of Age with a First Booster Dose	6,218,895
% of Fully Vaccinated Population \geq 5 Years of Age with a First Booster Dose	42.5%
Fully Vaccinated Population \geq 12 Years of Age with a First Booster Dose	6,188,757
% of Fully Vaccinated Population \geq 12 Years of Age with a First Booster Dose	43.3%
Fully Vaccinated Population \geq 18 Years of Age with a First Booster Dose	6,027,527
% of Fully Vaccinated Population \geq 18 Years of Age with a First Booster Dose	44.8%
Fully Vaccinated Population \geq 65 Years of Age with a First Booster Dose	2,677,457
% of Fully Vaccinated Population \geq 65 Years of Age with a First Booster Dose	64.4%

Some COVID-19 vaccine recipients are [recommended to receive booster doses](#).

⁺The count of people who received a first booster dose includes anyone who is fully vaccinated and has received another dose of COVID-19 vaccine since August 13, 2021. This includes people who received a first booster dose and people who received additional doses.

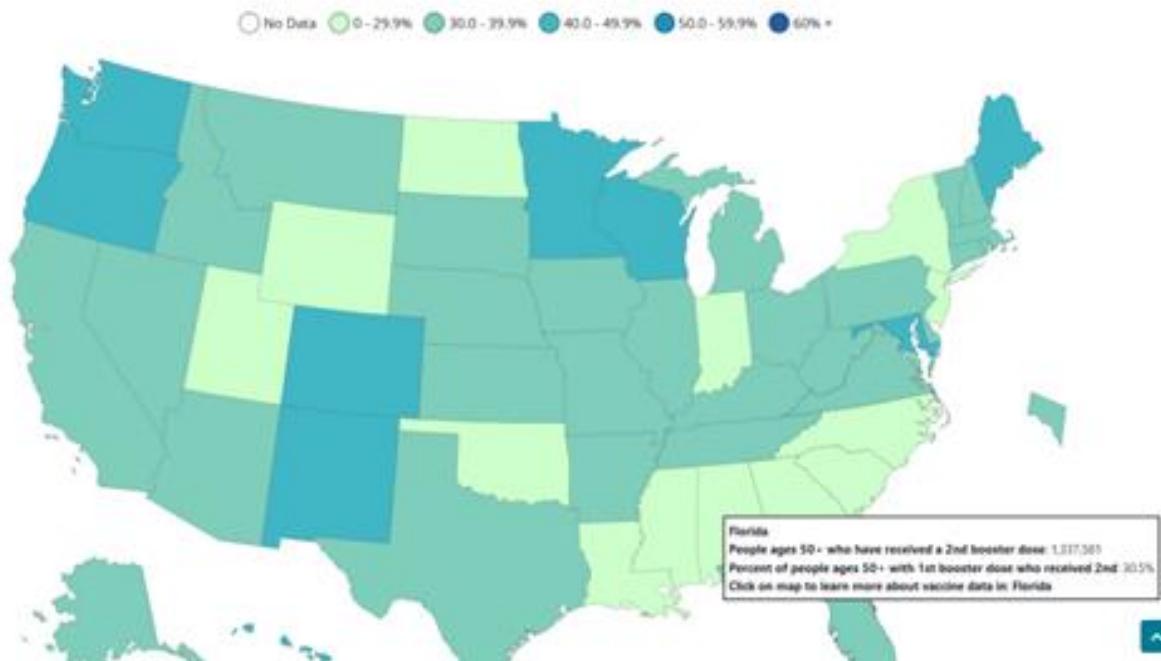
[CDC: Integrated County View Florida](#)

[Salemi USF: COVID-19 in Florida](#)

[Palm Beach Post: COVID-19 in Florida: Wave Appears to Be Flattening with New Infections, Hospitalizations Holding Steady](#)

As of September 8, 2022, 1,337,581 people in Florida had a second booster shot. That amounts to 30% of those 50+ who had previously received a first booster and 6% of the total population:

Percent of People with a First Booster Dose Who Received a Second Booster Dose Reported to the CDC by State/Territory or Select Federal Entities for the Population 50 Years of Age and Older



[CDC: Percent of People with a First Booster Dose Who Received a Second Booster Dose Reported to the CDC by State/Territory for the Population 50 Years of Age and Older](#)

Note that the segments of the population with the highest percentage of boosted individuals also have lower than expected death rates compared to the national averages. Vaccinated individuals who get infected have less than half the risk of a heart attack or stroke due to narrowed arteries:

People with a First Booster Dose *	Boosters
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Age-Specific COVID-19 Mortality Rates by State**Age groups are <1 year, 1-4 years, and then 10-year age groups****Can filter to any combination of years, age groups, and states**

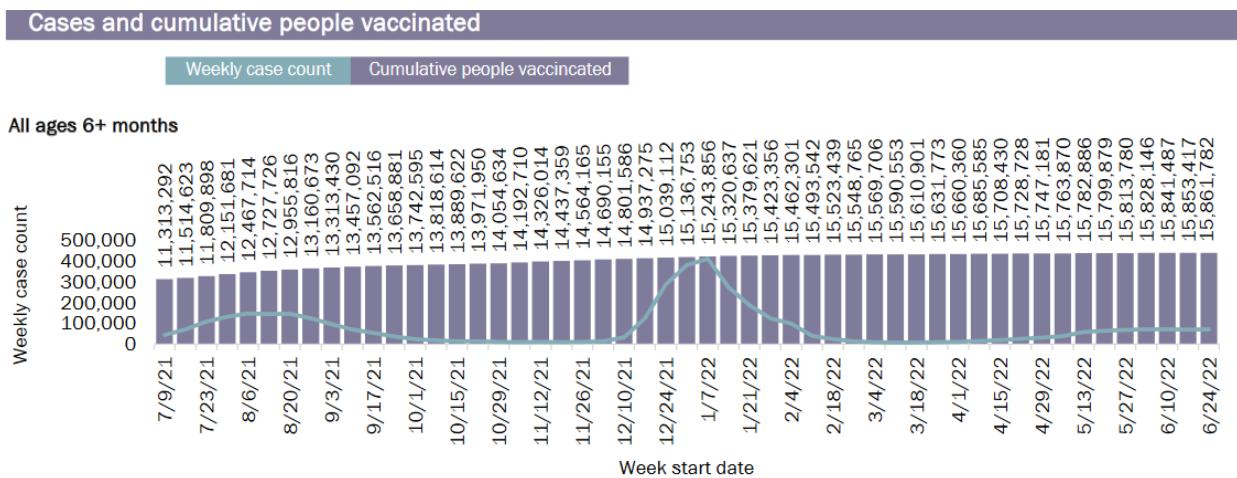
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[CDC: Integrated County View Florida](#)[Salemi USF: Covid Deaths by State](#)[MedPage: Vaccinated Have Lower Heart, Stroke Risk from COVID](#)

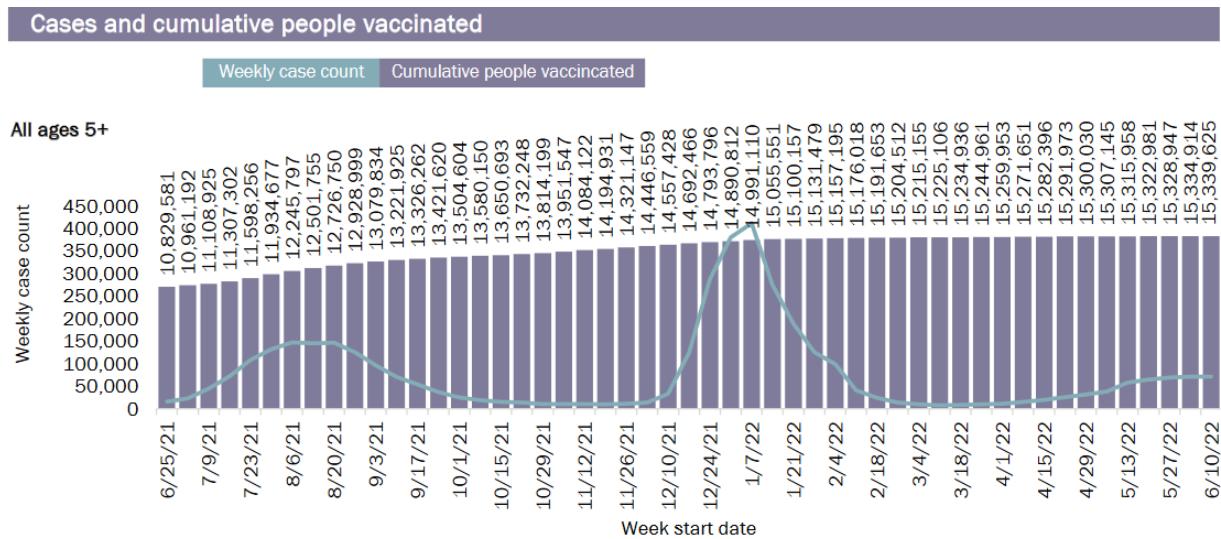
On March 25, 2022, USA Today reported that over 600,000 snowbirds had been included in Florida's official vaccination tally. That happened in over 100 zip codes. Many "vaccine tourists" were in Miami-Dade County. For cases and deaths in the state, Florida counts only permanent residents.

[USA Today: Florida Overcounts Vaccinations by 600,000 People. Snowbirds Responsible, Analysis Shows](#)

This is from the June 30th report. For the week beginning on June 10th, about 15,841,000 people had at least one shot:



And this is from the June 16th report. For the week beginning on June 10th, about 15,340,000 people had at least one shot. That is a difference of about 500,000 people:



June 30, 2022 Florida Covid Stats: What Is Really Happening?

June 16, 2022 Florida Covid Stats: What Is Really Happening?

The spokesman for the Florida Department of Health offered no explanation other than “Please read the last page of the report.” According to that section, the population is based upon the number of Floridians at least 5 years old, a statement which contradicts the portion above which discusses how they derived the number of infants to include. It is also identical to the Vaccination Notes from the previous report:

Vaccination notes

Data in this summary pertain to COVID-19 vaccines approved by the U.S. Food and Drug Administration (FDA) or have been issued an Emergency Use Authorization (Janssen COVID-19 Vaccine, Moderna COVID-19 Vaccine and Pfizer-BioNTech COVID-19 Vaccine) by the FDA. These data summarize the number of people who have received either their first dose or have completed their primary series for a COVID-19 vaccine. A person can only be counted in one category, first dose, series complete or additional or booster dose. For persons receiving Moderna or Pfizer vaccines, once they receive their second dose, they are moved from the first dose column to the series completed column. Once a person receives their additional or booster dose, they are moved from the series completed column to the additional or booster dose column. Because of this, the total in each category may show a change from report to report not matching the totals from the previous week. Persons receiving Johnson & Johnson vaccines are not counted in the first dose category. The age group table displays the current percentage of people in an age group who have received at least one dose of the Moderna or Pfizer doses or one Johnson & Johnson dose. The total line is the current percentage of the eligible population (ages 5+).

Persons are considered vaccinated in this report if they have received at least the first dose of a two-dose series or one dose of a single-dose series.

First dose: current number of people who have only received their first dose of the Moderna or Pfizer vaccine.

Series complete: current number of people who have received both Moderna or Pfizer vaccine doses or one Johnson & Johnson dose and are considered to have their primary vaccination series completed.

Additional or booster dose: current number of people who received their additional dose of Pfizer or Moderna COVID-19 vaccine or their booster dose of Janssen COVID-19, Pfizer or Moderna COVID-19 vaccine following their primary vaccination series completion. Additional doses are indicated for individuals who may not build the same level of immunity to two-dose vaccine series compared to people who are not immunocompromised. Booster doses are recommended to counteract waning immunity.

June 30, 2022 Florida Covid Stats: What Is Really Happening?

[Palm Beach Post: Florida's COVID-19 Vaccination Count Jumps 263,000 in Two Weeks. DeSantis Officials Won't Say Why](#)

[June 23, 2022 Florida Covid Stats: What Is Really Happening?](#)

A review of fifteen studies concerning vaccination and the conglomeration of symptoms known as “long Covid” found a significantly reduced rate in those who were vaccinated before getting infected. Post-viral vaccination reduced or eliminated symptoms in up to 30% of long Covid sufferers. However, symptoms did worsen on occasion after vaccination.

[UK Health Security: The Effectiveness of Vaccination Against Long Covid](#)

Mixing vaccine types for a booster shot will give you the best protection because they stimulate different parts of your immune system. If you had 2 or 3 Moderna, I recommend getting a Pfizer and vice versa. Children aged 5–11 are restricted to the booster without the omicron component, while those aged 12–17 are limited to the one with it. The CDC recommends using the same vaccine for the first two doses:

What You Need to Know

- CDC recommends everyone stay up to date with COVID-19 vaccination, including all primary series doses and boosters for their age group:
 - People ages **6 months through 4 years** should get all COVID-19 primary series doses.
 - People ages **5 years and older** should get all primary series doses, and the booster dose recommended for them by CDC, if eligible.
 - People ages **5 years to 11 years** are currently recommended to get the **original (monovalent) booster**.
 - People ages **12 years and older** are recommended to receive one **updated Pfizer or Moderna (bivalent) booster**.
 - This includes people who have received all primary series doses and people who have previously received one or more original (monovalent) boosters.
 - At this time, people aged **12 years to 17 years** can only receive the **updated Pfizer bivalent booster**.
- Getting a COVID-19 vaccine after you recover from COVID-19 infection provides added protection against COVID-19.
- People who are moderately or severely immunocompromised have [different recommendations for COVID-19 vaccines](#), including boosters.
- [COVID-19 vaccine and booster recommendations](#) may be updated as CDC continues to monitor the latest data.

[Ars Technica: Pfizer, Moderna Vaccines Aren't the Same; Study Finds Antibody Differences: The Findings Add Further Weight to the Idea of Mix-and-Match Boosting](#)

[CDC: Stay Up to Date with COVID-19 Vaccines Including Boosters](#)

[CDC: Interchangeability of COVID-19 Vaccine Products](#)

On May 24th, the CDC added approval for a fifth shot for people 12+ with moderate to severe immunocompromise. The agency previously approved a second booster shot of the Moderna or Pfizer vaccine for all adults aged 50+. There are no safety issues associated with the additional shot. People on Medicare can receive a second booster shot at no cost.

During the initial omicron wave in Israel, a second booster prevented 64% of hospitalizations and 72% of Covid deaths among nursing home residents compared to those who received only a first booster.

[CDC: CDC Strengthens Recommendations and Expands Eligibility for COVID-19 Booster Shots](#)

[CDC: COVID-19 Vaccines for People Who Are Moderately or Severely Immunocompromised](#)

[Center for Medicare: Eligible Individuals Can Receive Second COVID-19 Booster Shot at No Cost](#)

[CDC: COVID-19 Vaccine Boosters](#)

[MedPage: Second COVID Booster Protected Seniors in Long-Term Care](#)

Research involving breakthrough omicron infections indicates the number of viral particles is significantly lower in people who have had booster shots. People with two doses carried the same amount of virus as unvaccinated people.

[Nature: Infectious Viral Load in Unvaccinated and Vaccinated Individuals Infected with Ancestral, Delta or Omicron SARS-CoV-2](#)

The CDC has removed hospitalization information for adults who received only a primary series, backdated to December 2021. This data compares people with as many boosters as they are eligible to receive to those who remain unvaccinated. You can click on the link to see the charts. During June 2022, boosters prevented 64% of omicron hospitalizations among people aged 18–49; 72% for ages 50–64; and 84% for senior citizens:

In June 2022, compared to people who are up to date with COVID-19 vaccination, monthly rates of COVID-19-associated hospitalizations were **4.6x Higher in Unvaccinated Adults Ages 18 Years and Older**.

1.7x Higher
in Unvaccinated Children
Ages 5-11 Years

2.0x Higher
in Unvaccinated Adolescents
Ages 12-17 Years

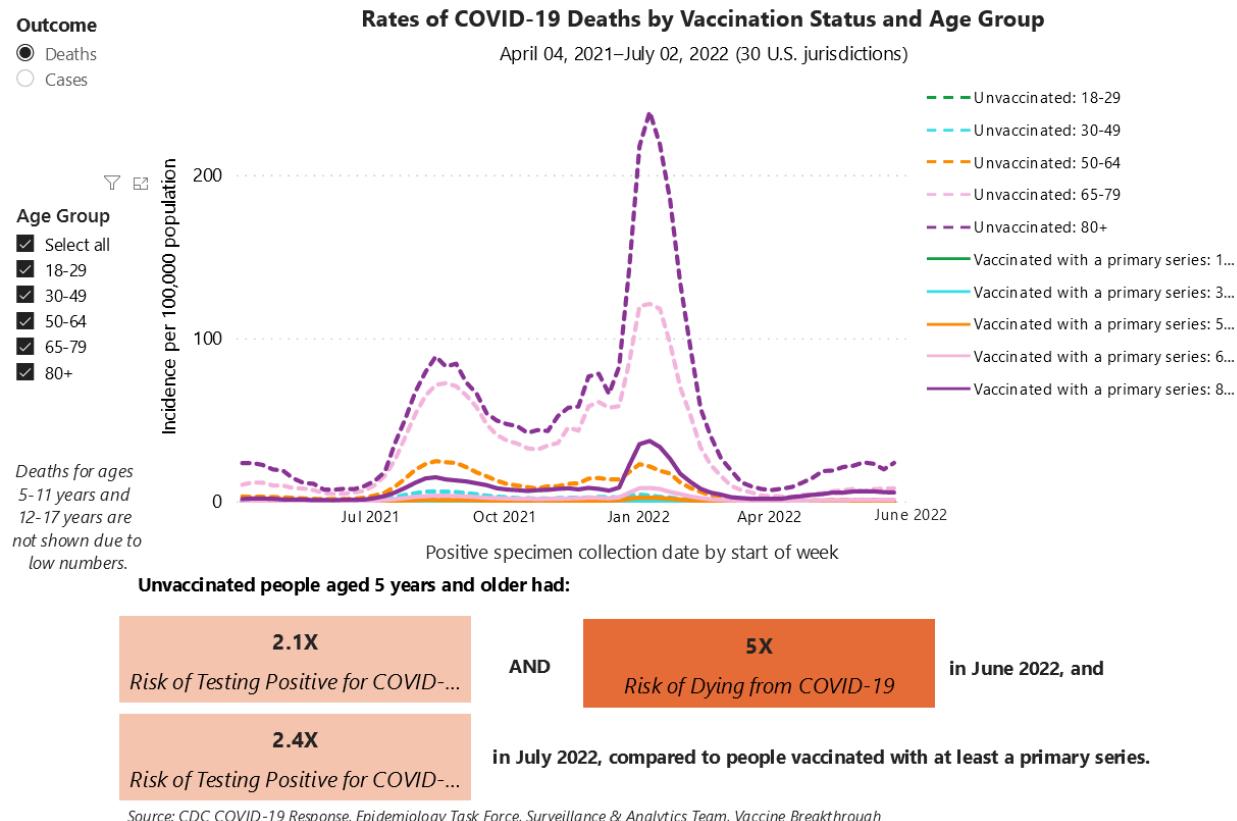
2.8x Higher
in Unvaccinated Adults
Ages 18-49 Years

3.6x Higher
in Unvaccinated Adults
Ages 50-64 Years

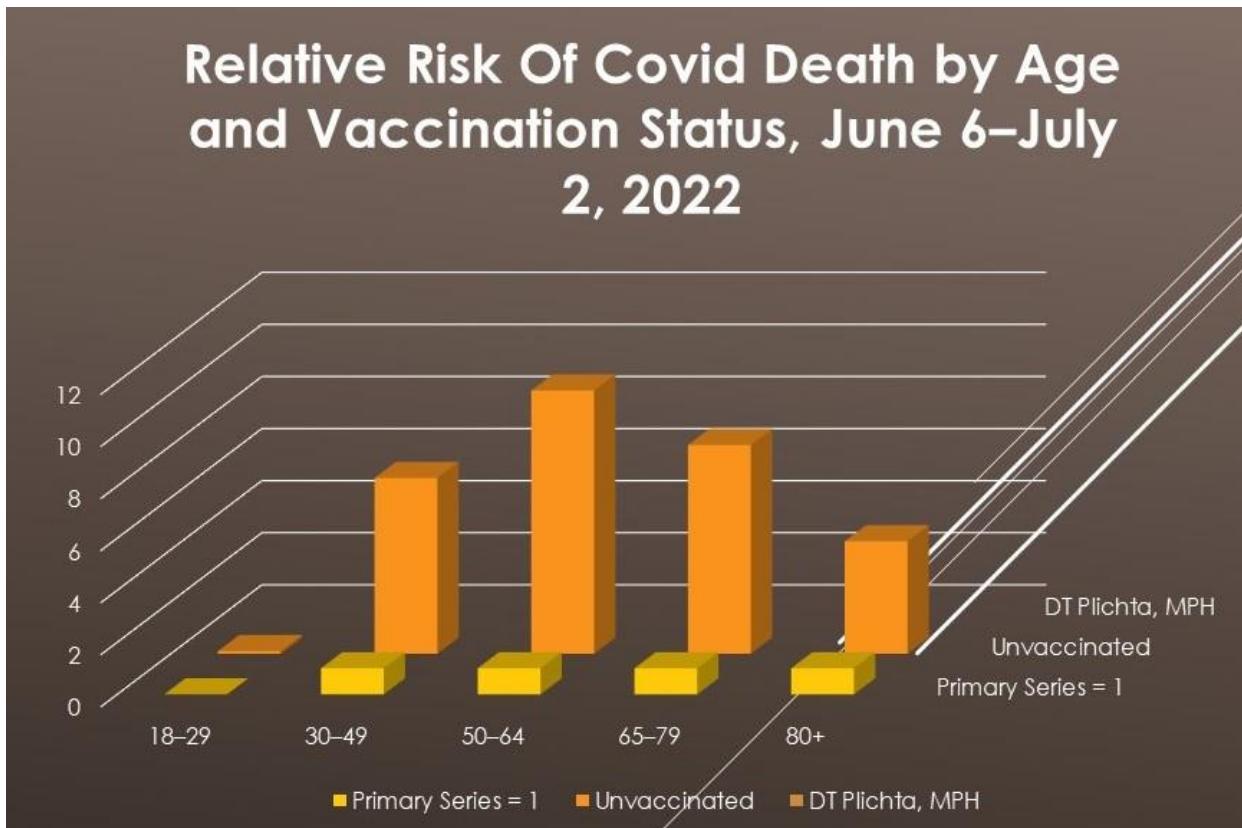
6.3x Higher
in Unvaccinated Adults
Ages 65 Years and Older

[CDC: Rates of Laboratory-Confirmed COVID-19 Hospitalizations by Vaccination Status](#)

The risk of death among unvaccinated people and those with a primary series during the weeks of June 26–July 2, 2022, is as follows:

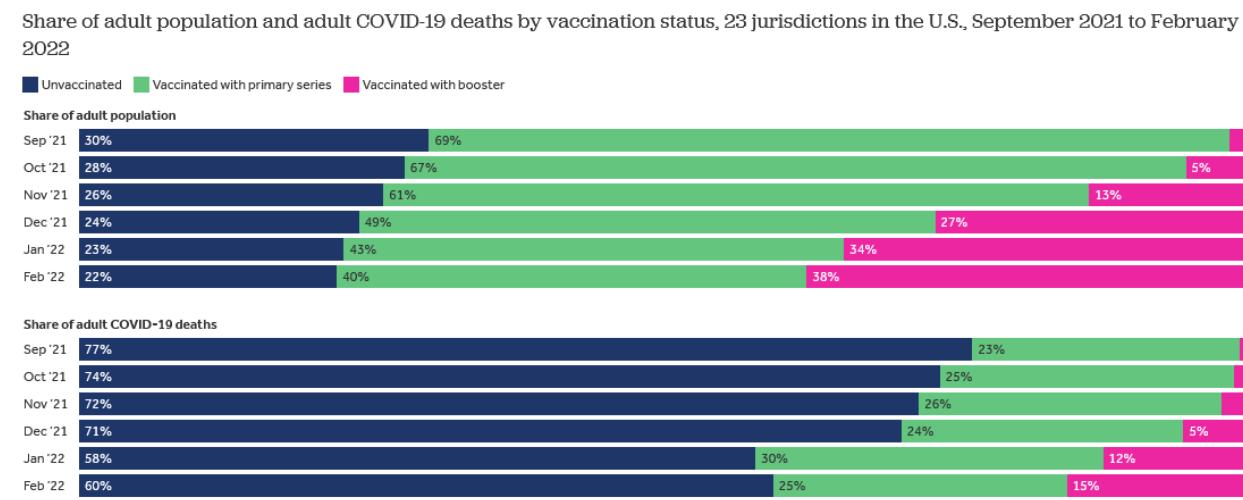


Here is another way to visualize that data by making the risk of death after receiving a primary series = 1 and comparing the death rate for unvaccinated people to the vaccinated:



CDC: Rates of COVID-19 Cases and Deaths by Vaccination Status

This graphic depicts the vaccination status of the US adult population compared to the death rates during September 2021–February 2022:

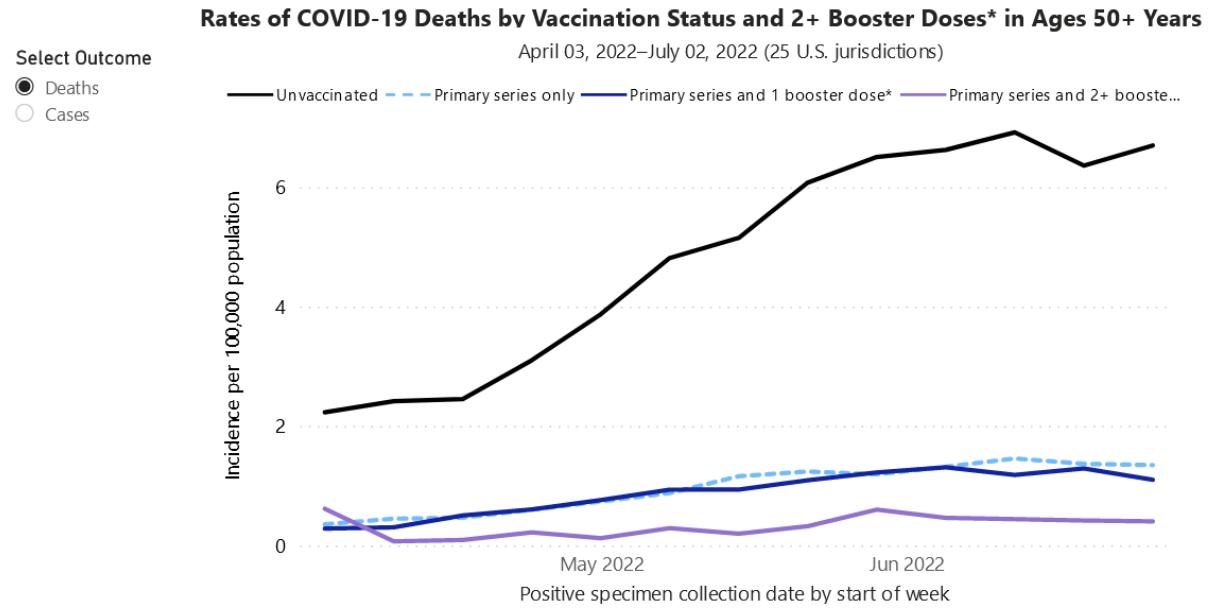


Source: KFF analysis of CDC data • Get the data • PNG

Peterson-KFF
Health System Tracker

Peterson-KFF: COVID-19 Mortality Preventable by Vaccines

A second booster in people 50+ makes an enormous difference in the risk of dying from Covid. During June 26–July 2, 2022, having at least 2 boosters prevented 94% of deaths; 1 booster prevented 84% of deaths; and a primary series prevented 80% of deaths compared to unvaccinated individuals (5.49/100,000):



In June 2022, among people ages 50 years and older, unvaccinated people had:

14X
Risk of Dying from COVID-19

compared to people vaccinated with a primary series and two or more booster doses.*

Among people ages 50 years and older, vaccinated people with a primary series and one booster dose had:

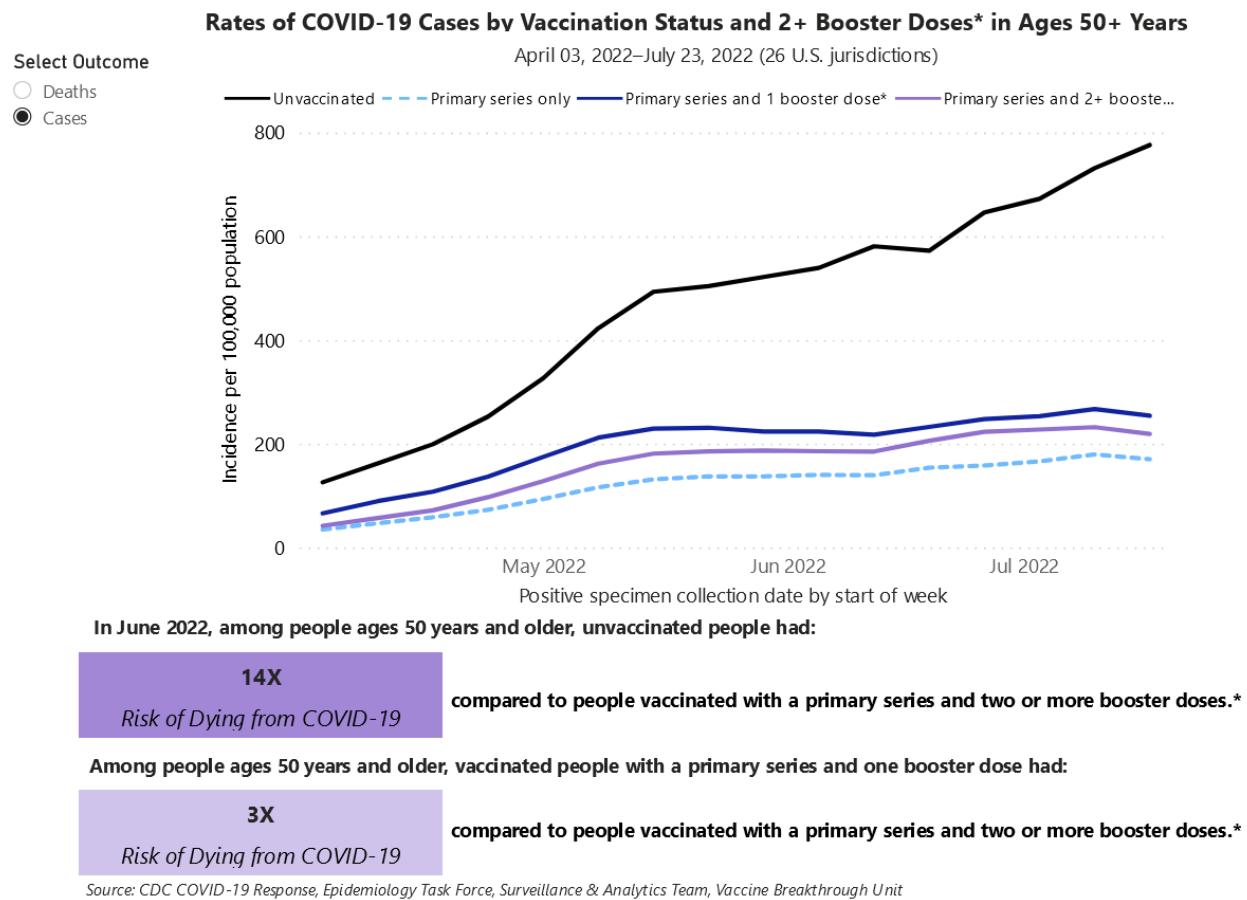
3X
Risk of Dying from COVID-19

compared to people vaccinated with a primary series and two or more booster doses.*

Source: CDC COVID-19 Response, Epidemiology Task Force, Surveillance & Analytics Team, Vaccine Breakthrough Unit

CDC: Rates of COVID-19 Deaths by Vaccination Status and 2+ booster Doses in Ages 50+ Years

As we are currently seeing in the US, a second booster is much less effective at preventing infections than hospitalizations or deaths. For people 50+ during July 17–23, 2022, having at least 2 boosters prevented 72% of infections; 1 booster prevented 67% of infections; and a primary series prevented 78% of infections compared to the rate in unvaccinated people:



CDC: Rates of COVID-19 Cases by Vaccination Status and 2+ Booster Doses in Ages 50+ Years

On January 14, 2022, Governor DeSantis's office announced it would not enforce the federal government's vaccine mandate for healthcare workers. The US Supreme Court upheld the requirement for all healthcare facilities which receive federal funds on the 13th.

On January 19th, the Florida Department of Health placed the epidemiologist who led Orange County's pandemic response on administrative leave. The state considered charging him with a criminal offense for sending an email chiding the county's public health employees for their 40% vaccination rate. That suspension ended on March 22, 2022.

A day later, Governor DeSantis promoted a conspiracy theory by asserting that many nurses are avoiding vaccination because "they're trying to have families." Numerous studies confirm that vaccination does not cause infertility; in fact, getting Covid can reduce male fertility.

[Becker's Hospital Review: DeSantis Casts aside CMS Vaccine Rule for Hospitals](#)

[BBC: Top Florida Health Official on Leave over Support for Vaccination](#)

[Physicians Society Central FL: Orange's State Health officer Raul Pino Reinstated After Leave over Vaccine E-mail](#)

[Twitter: DeSantis Pushes Infertility Conspiracy](#)

[Covid-19: The Omicron Variant](#)

[MedPage: Sexual Dysfunction, Hair Loss Among Long COVID Symptoms](#)

[Nature Medicine: Symptoms and Risk Factors for Long COVID in Non-hospitalized Adults](#)

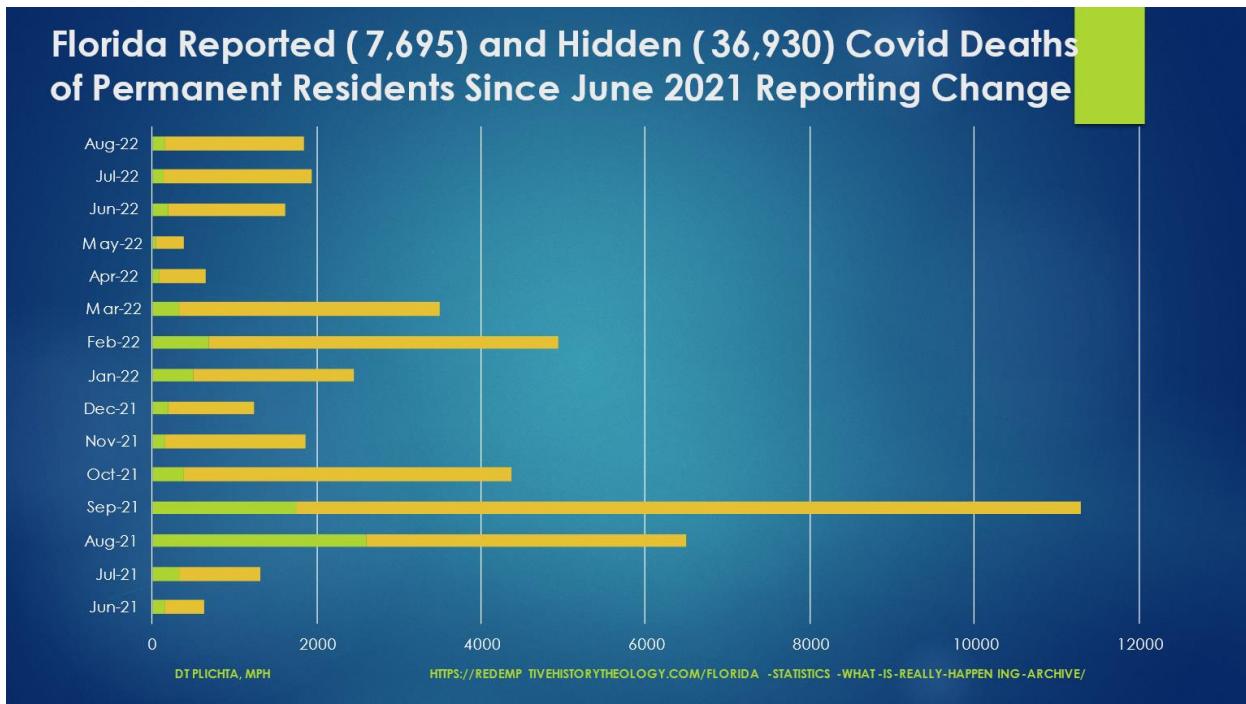
Covid Deaths in Florida:

On June 6, 2022, a report from the Florida Auditor General revealed that the state omitted approximately 3,000 Covid deaths from official reporting during March–October 2020. The Tampa Bay Times article includes a link to the audit. Those deaths are still not reflected in the June 30th report or in the chart below. The Department of Health responded that having Covid listed on a death certificate is not sufficient to count that as a Covid death, so the state will not amend the cumulative death statistic.

[Tampa Bay Times: Florida’s Health Department Undercounted COVID Cases and Deaths, State Audit Says](#)

[Palm Beach Post: Florida Leads Nation in New COVID Deaths, CDC Data Shows](#)

During June 2021–August 2022, Florida reported only 7,695 of the 44,625 Covid deaths among permanent residents as “New Deaths” (17%). In August 2022, cumulative data indicated there were 1,845 Covid deaths among permanent Florida residents, a 5% decrease from July (1,940). Only 151 were counted as “New Deaths” (8%):



Florida Covid Statistics: What is Really Happening?

Despite making national news for the state government's attempt to cover up the number of deaths, nothing has changed in the Florida Department of Health's methodology.

The Hill: Florida Reported 'Artificial Decline' in COVID-19 Deaths as Cases Were Surging

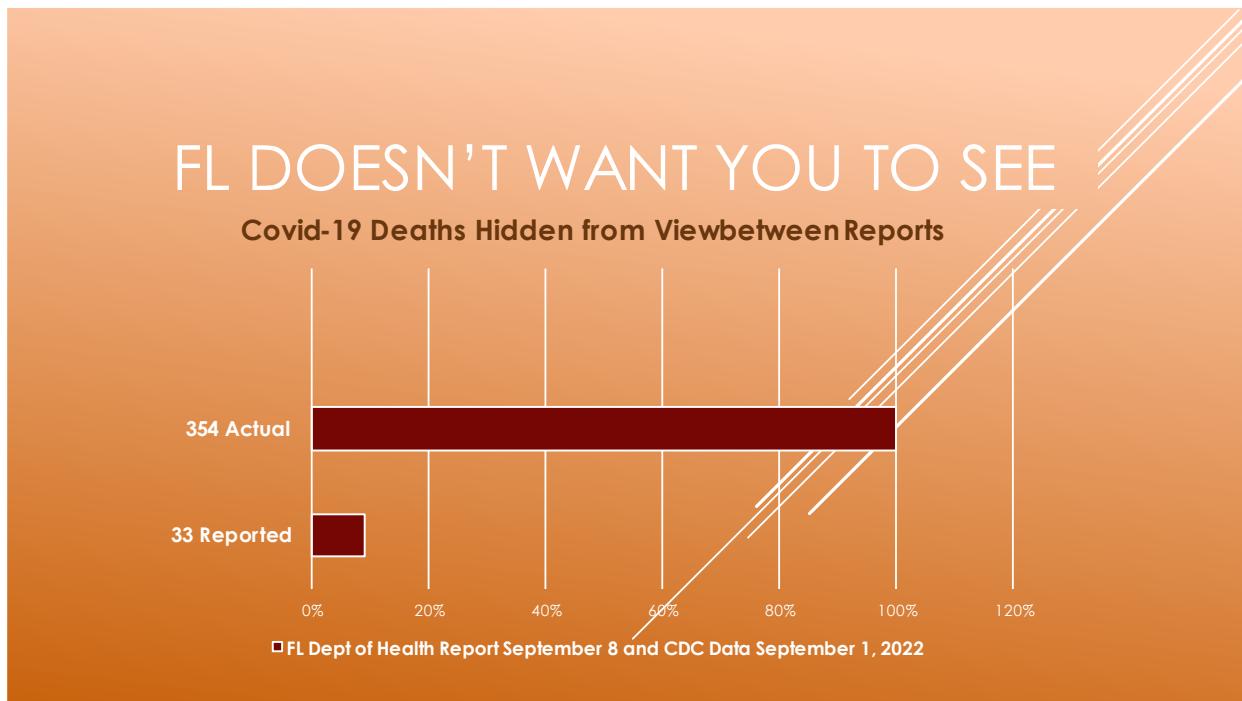
On June 4, 2021, the state removed all data from anyone who has not established permanent residency. It stopped reporting information from visitors, seasonal residents, and migrant workers. This deleted 744 deaths. I can no longer access this file, as my browser deems it a security risk:

COVID-19: summary of cases and monitoring	
Data through Jun 2, 2021 verified as of Jun 3, 2021 at 09:25 AM	
Data in this report are provisional and subject to change.	
Cases: people with positive PCR or antigen test result	Cases: people with positive PCR or antigen test result
Total cases	2,329,867
Florida residents	2,286,332
Non-Florida residents	43,535
Type of testing	
Florida residents	2,286,332
Positive by BPHL/CDC	83,364
Positive by commercial/hospital lab	2,202,968
PCR positive	1,819,119
Antigen positive	467,213
Non-Florida residents	43,535
Positive by BPHL/CDC	1,037
Positive by commercial/hospital lab	42,498
PCR positive	29,688
Antigen positive	13,847
Characteristics	
Florida residents hospitalized	95,607
Florida resident deaths	36,973
Non-Florida resident deaths	744
Hospitalized counts include anyone who was hospitalized at some point during their illness. It does not reflect the number of people currently hospitalized.	
More information on deaths identified through death certificate data is available on the National Center for Health Statistics website at www.cdc.gov/nchs/about-us/COVID19/index.htm .	

FL Covid-19 Cases and Monitoring as of June 3, 2021

When the state receives a report of a death from an earlier week, that information is added to “Cumulative Deaths” without being noted in “Previous Week Deaths.” It usually takes more than one week for death reports to get sent to the state.

Florida Politics: Florida Reports 1000+ Covid-19 Deaths in Past Week



September 8th cumulative data from the state showed 80,386 deaths, while CDC data from September 1st indicated 80,032 permanent Florida residents had died. Therefore, there were 354 Covid deaths reported in Florida during September 2–8, 2022. That is a decrease of 23% (459). Only 33 of them were counted as new deaths (9%):

COVID-19 Weekly Situation Report: State Overview

Previous week (September 2, 2022 - September 8, 2022)

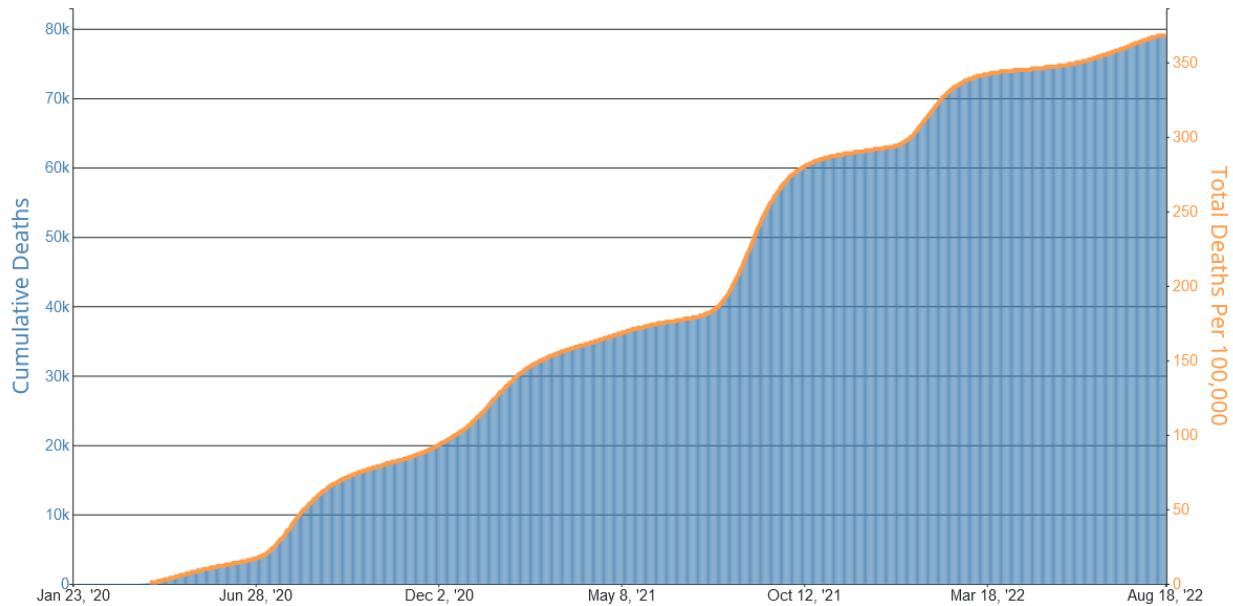
Published September 9, 2022

All data are provisional and subject to change. Data include only Florida residents.



Case data	Previous week	Cumulative	Vaccine data	Previous week (doses administered)	Cumulative (people vaccinated)
Total	28,791	7,066,234	Total	10,808	16,017,132
New case positivity	12.4%	28.8%	First dose	4,231	2,205,983
Deaths	33	80,386	Series completed	4,567	7,819,623
			Additional or booster dose	2,010	5,991,526

Trends in Total Deaths and Cumulative Incidence Rate of COVID-19 Deaths in Florida Reported to CDC, per 100,000 population.

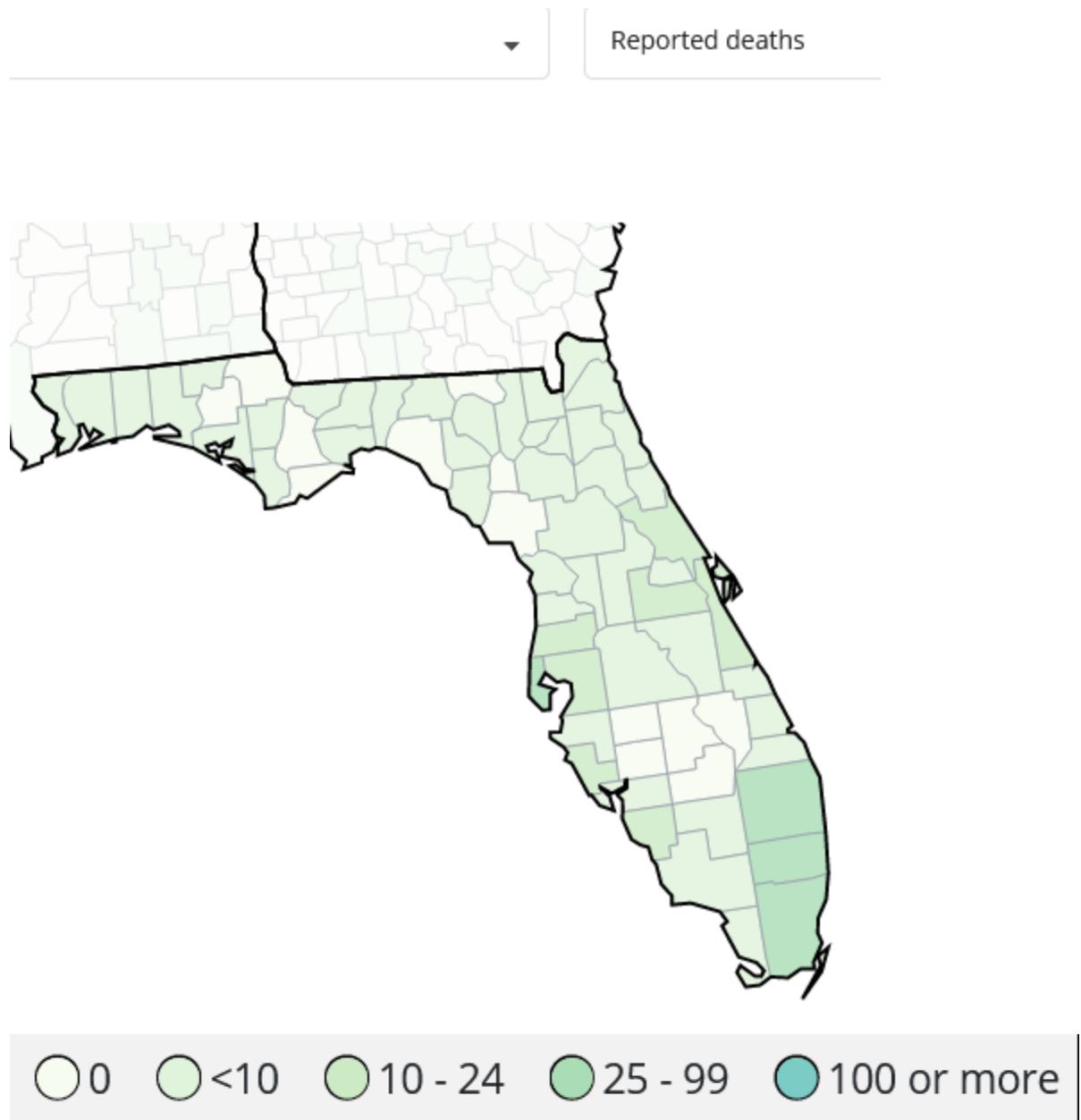


[Salemi USF: COVID-19 in Florida](#)

[CDC: Integrated County View Florida](#)

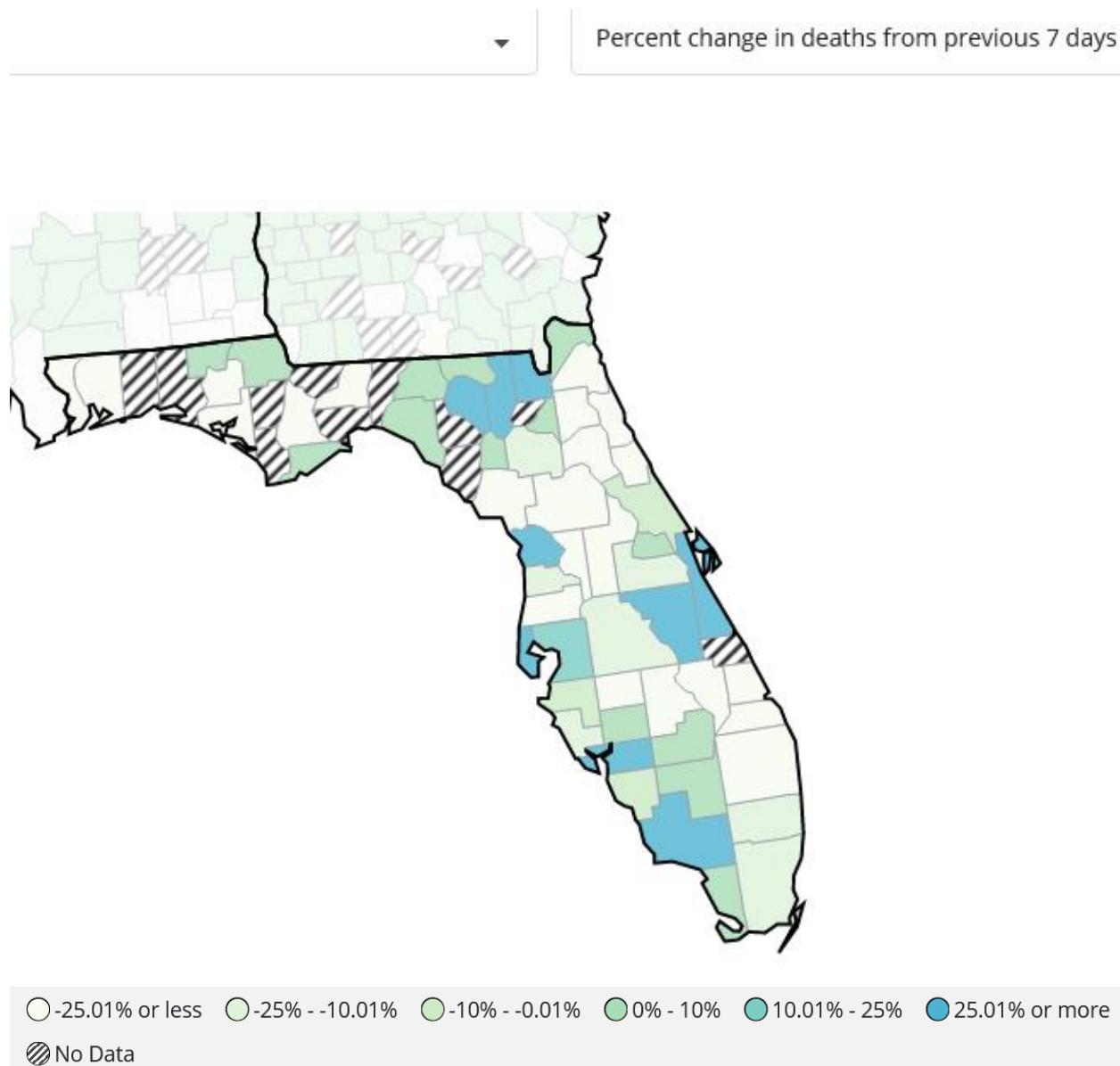
[Trends in Number of COVID-19 Cases and Deaths in the US Reported to CDC, by State](#)

Clicking on individual counties reveals a higher number than the state's "new deaths" total. During September 2–8, Miami-Dade County reported 30 deaths (-12%); Broward had 26 (-10%); Palm Beach County had 30 (-43%); Orange—where Disney is located—had 12 (-20%); and Hillsborough had 15 (+25%). Thirteen counties reported 0 deaths:



CDC: Florida Reported Deaths by County

Compared to the previous week, the CDC indicates that 11 of the 67 counties failed to report data. Another 6 showed drops of 100%, which often means they did not report data:



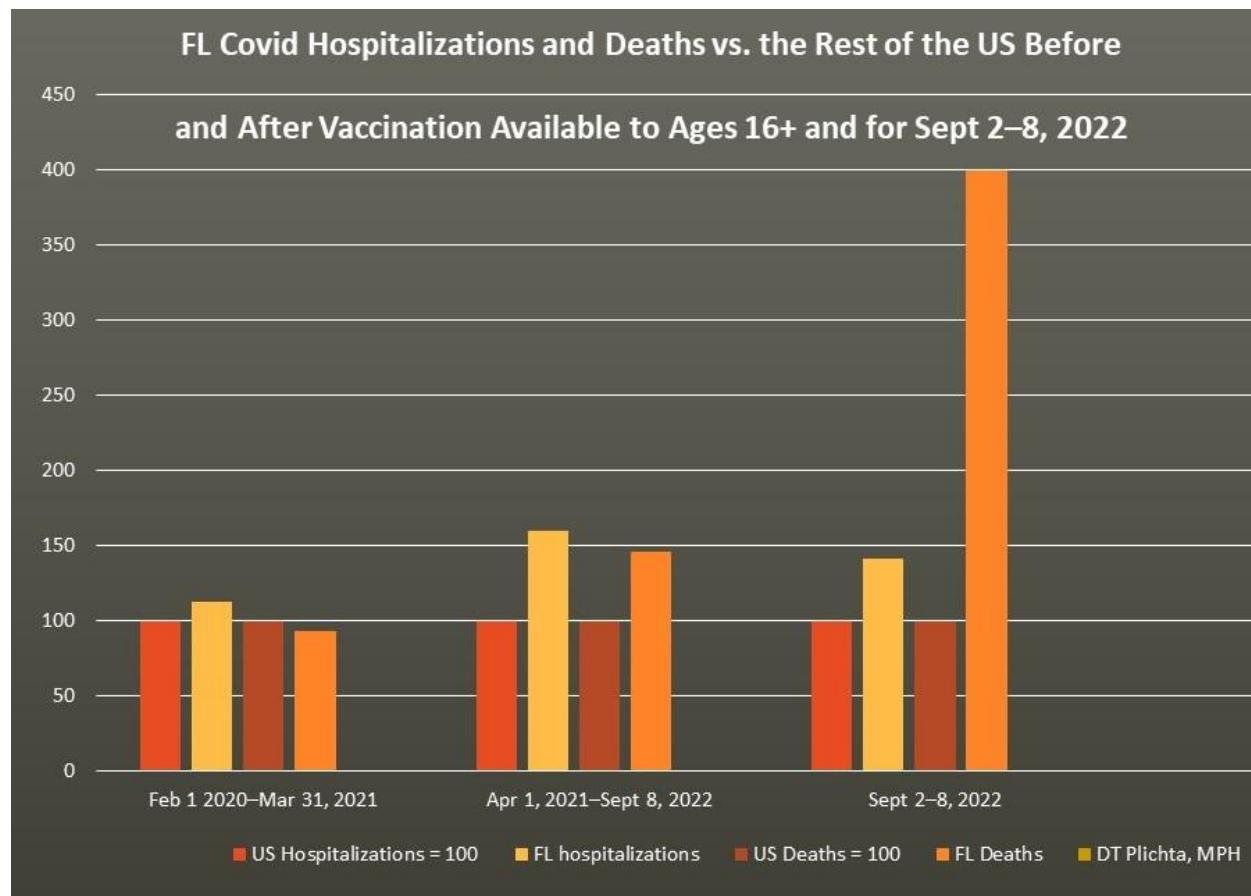
CDC: Percent Change in Florida Deaths from Previous 7 Days

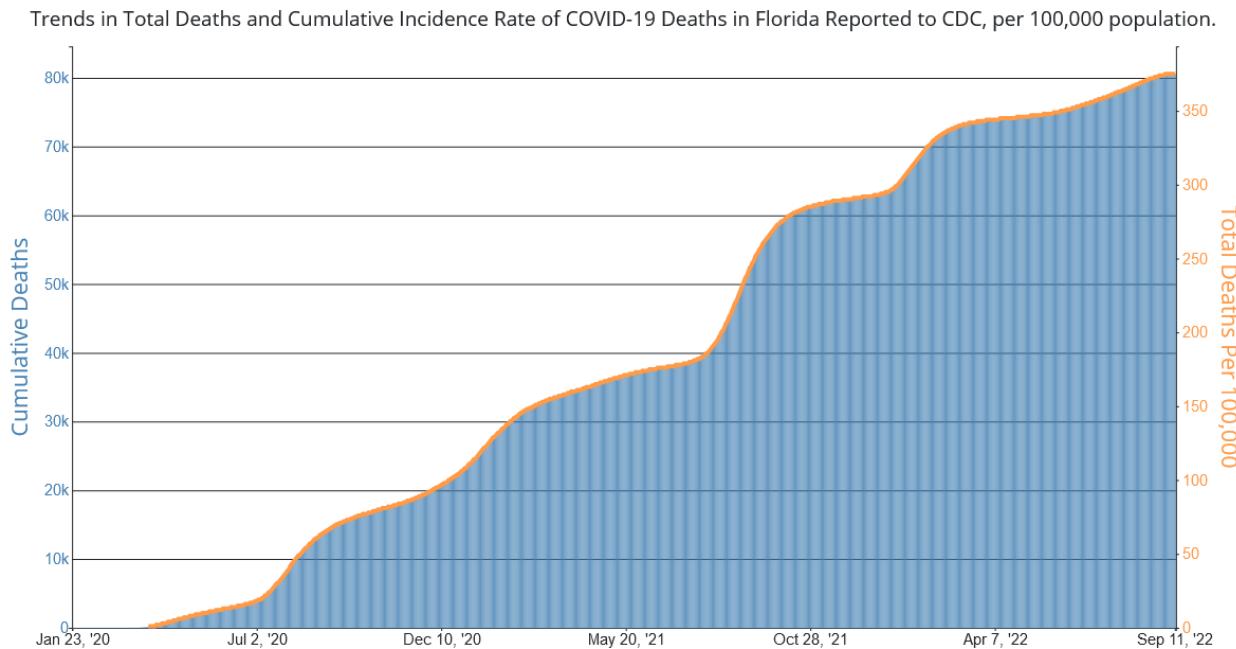
According to CDC data, there had been 80,558 Covid deaths in Florida by September 8, 2022. This differs from the Florida Department of Health report by 172 people, likely because more deaths have been reported in the last few days.

Florida residents at least sixteen years old became eligible for vaccination on April 1, 2021. SARS-CoV-2 infections have killed 46,362 permanent residents of the state since that date. Over half the Covid deaths in Florida have occurred since April 1, 2021 (58%).

Despite having only 6.6% of the US population, this represents 9.5% of all American Covid-19 deaths since everyone at least 16 years old qualified for vaccination. That means permanent Florida residents were 46% more likely to die than people living in the rest of the US.

During September 2–8, 2022, 22.3% of all Covid deaths reports in the US came from Florida (520). Compared to other people in the US (1,808), a permanent Florida resident was 4x as likely to die from Covid:





[Risk of Hospitalization and Death in Florida vs. the Rest of the US Before and After 16+ Vaccination and During September 2–8, 2022](#)

[Trends in Number of COVID-19 Cases and Deaths in the US Reported to CDC, by State](#)

In the aftermath of his hard drive crashing, Dr. Salemi has made some impressive upgrades to his site. Here is Florida's ranking of Covid deaths stratified by age. A Mortality Rate Ratio = 1 is the national average, so infants under one year old and senior citizens are the only age groups which have fared better than expected.

Permanent Florida residents aged 85+ rank 9th best among the 50 states and Washington DC, with 22% fewer deaths than the national average for that age group. Nineteen Floridians under 1 year old have died, some of whom may have fallen within the new vaccination eligibility criteria. Infants fared 7% better than the national average.

Florida has the 8th worst death rate in the nation for ages 1–4 with 12 deaths, 13% more than expected. Children 5–14 rank 7th with 31 deaths. They almost tied the worst Mortality Rate Ratio (35%) with people aged 15–24 at 36% higher than the national average.

When I remove smaller states with higher ranks but only one death, Florida's rankings change to 10th worst for <1; 3rd worst for 1–4; and 6th worst for 5–14:

Age-Specific COVID-19 Mortality Rates by State

Age groups are <1 year, 1-4 years, and then 10-year age groups

Can filter to any combination of years, age groups, and states

State	Age Group	State Rank (1=best)	Population	Covid 19 Deaths	% of C19 Deaths in Age Group	C19 Deaths Per100K (state)	C19 Deaths Per100K (nation)	Mortality Rate Ratio
Florida	< 1 year	37	219,558	19	0.6	8.7	9.3	0.93
	1-4 years	44	915,447	12	1.7	1.3	1.2	1.13
	5-14 years	45	2,390,568	31	3.2	1.3	1.0	1.35
	15-24 years	42	2,466,792	220	3.6	8.9	6.6	1.36
	25-34 years	40	2,818,471	878	6.2	31.2	25.2	1.23
	35-44 years	39	2,649,160	2,183	10.3	82.4	68.0	1.21
	45-54 years	36	2,692,803	4,929	13.6	183.0	169.4	1.08
	55-64 years	30	2,942,419	10,652	12.6	362.0	357.1	1.01
	65-74 years	23	2,539,576	16,545	12.5	651.5	731.8	0.89
	75-84 years	11	1,502,209	20,012	11.8	1,332.2	1,642.4	0.81
	85+ years	9	596,309	18,975	9.6	3,182.1	4,094.0	0.78

September 8, 2022

By dividing Maine's population for each age group by Florida's, we can see the two states have very similar demographics. Except for infants, people in Maine and Florida have fared quite differently:

Maine	< 1 year	34	12,272	1	0.6	8.1	9.3	0.88
	1-4 years	1	51,108	0	0.0	0.0	1.2	0.00
	5-14 years	33	139,193	1	2.5	0.7	1.0	0.75
	15-24 years	3	151,491	1	0.4	0.7	6.6	0.10
	25-34 years	2	164,443	15	2.0	9.1	25.2	0.36
	35-44 years	6	156,841	54	4.2	34.4	68.0	0.51
	45-54 years	3	170,543	119	5.4	69.8	169.4	0.41
	55-64 years	3	210,474	328	6.1	155.8	357.1	0.44
	65-74 years	3	175,368	556	6.4	317.0	731.8	0.43
	75-84 years	4	84,783	791	7.0	933.0	1,642.4	0.57
	85+ years	3	33,625	814	5.9	2,420.8	4,094.0	0.59

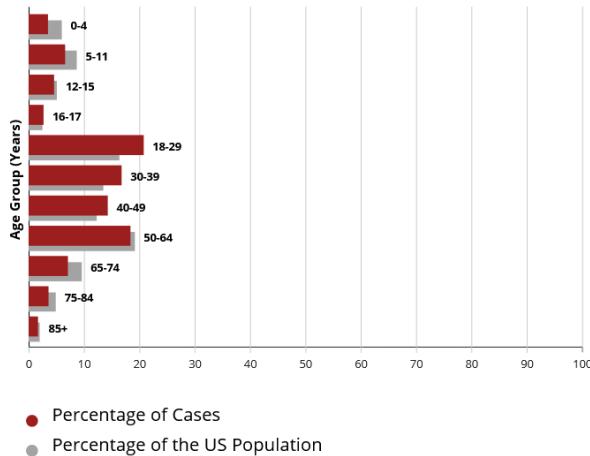
September 8, 2022[Salemi USF: Covid Deaths by State](#)

Nationwide, 6.3% of senior citizens who have tested positive have died. According to the September 8, 2022, report, Florida seniors had a 5.9% case-fatality rate. In all, the state is reporting that 1.2885% of permanent Florida residents over 64 years old have died from Covid:

Cases by Age Group:

Download 

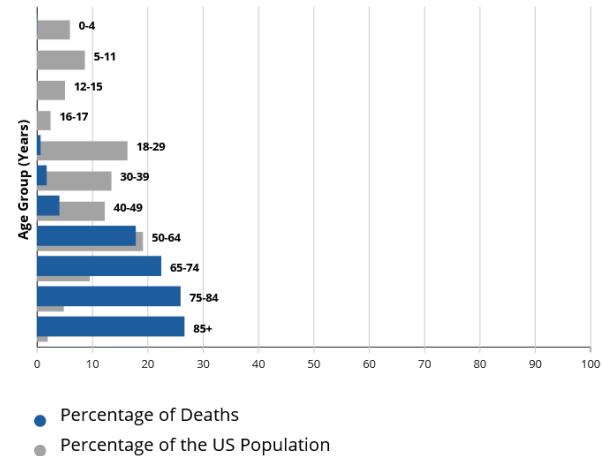
Data from 87,355,238 cases. Age group was available for 86,574,216 (99%) cases.



Deaths by Age Group:

Download 

Data from 901,113 deaths. Age group was available for 900,276 (99%) deaths.



Note that the data for 2022 alone is one month behind, while the cumulative data is current. This makes what has happened recently look better than it really is:

Demographic	Cumulative (since March 1, 2020)				January 1 - August 9, 2022			
	Deaths	Cases	Case fatality rate	Mortality per 100,000 population	Deaths	Cases	Case fatality rate	
All ages	80,386	7,066,234	1.1%	360.1	15,241	2,642,753	0.6%	
Under 16	50	939,456	0.0%	1.3	11	355,313	0.0%	
16-29	514	1,493,781	0.0%	13.8	58	484,053	0.0%	
30-39	1,376	1,162,504	0.1%	48.2	151	406,099	0.0%	
40-49	3,227	1,033,693	0.3%	119.9	314	378,439	0.1%	
50-59	7,570	993,095	0.8%	257.1	915	387,033	0.2%	
60-64	6,372	408,547	1.6%	429.9	963	170,116	0.6%	
65+	61,276	1,033,725	5.9%	1,288.5	12,828	461,531	2.8%	
Unknown	1	1,433	0.1%		1	169	0.6%	
All ages	80,386	7,066,234	1.1%	360.1	15,241	2,642,753	0.6%	

September 8, 2022

Demographic	Cumulative (since March 1, 2020)				January 1 - July 26, 2022		
	Deaths	Cases	Case fatality rate	Mortality per 100,000 population	Deaths	Cases	Case fatality rate
All ages	79,573	6,998,561	1.1%	356.4	14,241	2,516,155	0.6%
Under 16	50	928,808	0.0%	1.3	11	342,241	0.0%
16-29	513	1,483,309	0.0%	13.8	53	463,894	0.0%
30-39	1,370	1,154,233	0.1%	47.9	141	388,603	0.0%
40-49	3,211	1,025,775	0.3%	119.3	299	361,985	0.1%
50-59	7,536	983,959	0.8%	256.0	874	367,935	0.2%
60-64	6,327	403,805	1.6%	426.8	914	160,890	0.6%
65+	60,565	1,017,238	6.0%	1,273.6	11,948	430,448	2.8%
Unknown	1	1,434	0.1%		1	159	0.6%
All ages	79,573	6,998,561	1.1%	356.4	14,241	2,516,155	0.6%

August 25, 2022

By comparing the last two reports taken over three weeks, we can see the number and percentage of deaths in each demographic group which were reported during **August 26–September 8, 2022**:

- Under 16 = 0 (0.0%)
- 16–29 = 1 (0.1%)
- 30–39 = 6 (0.7%)
- 40–49 = 16 (2.0%)
- 50–59 = 34 (4.2%)
- 60–64 = 45 (5.5%)
- 65+ = 711 (87.4%)

813 100%

[CDC: Demographic Trends of COVID-19 Cases and Deaths in the US Reported to CDC](https://www.cdc.gov/coronavirus/2019-ncov/covid-data/covid-totals-50-state-data.html)

[Salemi USF: COVID-19 in Florida](https://www.usf.edu/covid-19/florida-covid-19-data.html)

Looking at the 7-14-22 report, the mortality rate/100,000 senior citizens was 1265.5:

Demographic	Cumulative (since March 1, 2020)				January 1 - June 14, 2022		
	Deaths	Cases	Case fatality rate	Mortality per 100,000 population	Deaths	Cases	Case fatality rate
All ages	76,662	6,640,046	1.2%	343.4	11,507	2,071,443	0.6%
Under 16	50	888,917	0.0%	1.3	10	300,706	0.0%
16-29	505	1,432,045	0.0%	13.6	49	392,911	0.0%
30-39	1,349	1,103,898	0.1%	48.4	123	323,707	0.0%
40-49	3,180	979,198	0.3%	119.1	265	300,863	0.1%
50-59	7,427	928,596	0.8%	253.9	754	297,689	0.3%
60-64	6,141	376,612	1.6%	426.8	743	126,906	0.6%
65+	58,010	929,384	6.2%	1,265.5	9,563	328,531	2.9%
Unknown	0	1,396	0.0%		0	130	0.0%

July 14, 2022

The mortality rate *declined* in the July 28, 2022, report below to 1236.7. That is a number which can only grow, since the population sizes are identical in each report:

Demographic	Cumulative (since March 1, 2020)				January 1 - June 28, 2022		
	Deaths	Cases	Case fatality rate	Mortality per 100,000 population	Deaths	Cases	Case fatality rate
All ages	77,565	6,789,498	1.1%	347.4	12,343	2,220,133	0.6%
Under 16	50	900,922	0.0%	1.3	10	311,898	0.0%
16-29	503	1,450,758	0.0%	13.5	47	414,809	0.0%
30-39	1,358	1,126,418	0.1%	47.5	129	346,248	0.0%
40-49	3,189	999,619	0.3%	118.5	276	321,874	0.1%
50-59	7,452	953,699	0.8%	253.1	790	322,714	0.2%
60-64	6,199	389,101	1.6%	418.2	790	139,065	0.6%
65+	58,813	967,561	6.1%	1,236.7	10,301	363,380	2.8%
Unknown	1	1,420	0.1%		0	145	0.0%

July 28, 2022

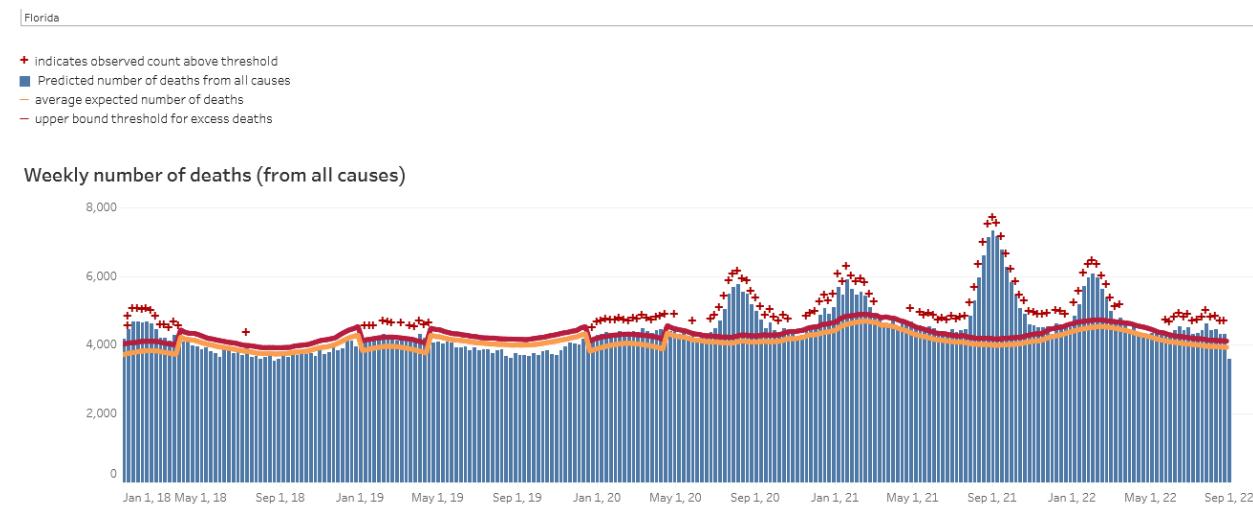
July 14, 2022 Florida Covid Stats: What Is Really Happening?

Salemi USF: COVID-19 in Florida

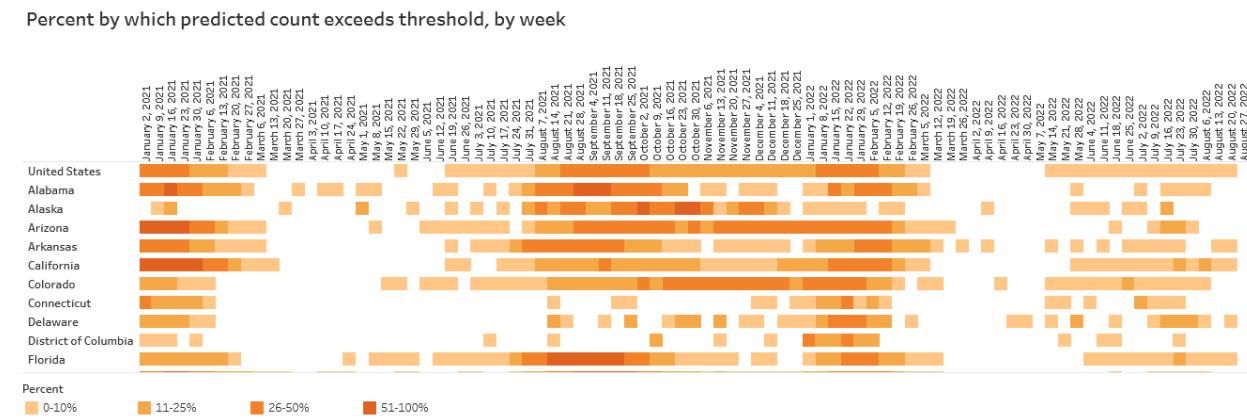
Florida does not report deaths by vaccination status, so I cannot determine the percentage of deaths occurring in unvaccinated people, those who received a full series, or boosted individuals.

The CDC recently updated their algorithm for calculating excess deaths in the US to include six years of data, rather than four, due to the pandemic skewing the expected numbers. This accounts

for the higher than typical age of Florida's population. You can click on each bar on their site to see the data for that week. It takes up to eight weeks for complete reporting:

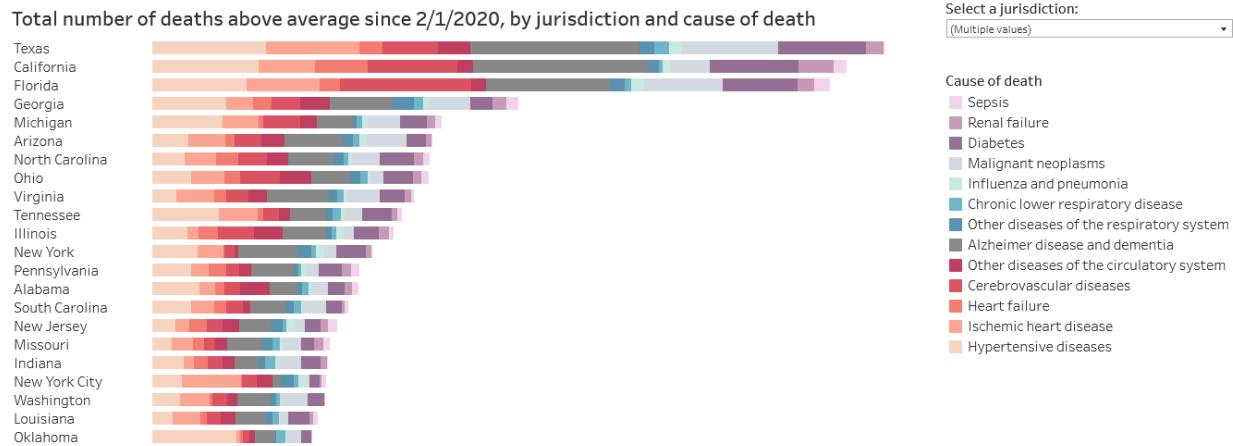


Here is another way to visualize that information. You can see all states by clicking Percent Excess Deaths on the CDC's site:



CDC: Excess Deaths Associated with COVID-19

Florida has a higher than expected proportion of excess deaths compared to other states, including at least 17,000 unrelated to Covid. This is the total number of excess deaths throughout the pandemic, not the number per 100,000 people. California has 80% more people than Florida yet the number of excess deaths is nearly the same:

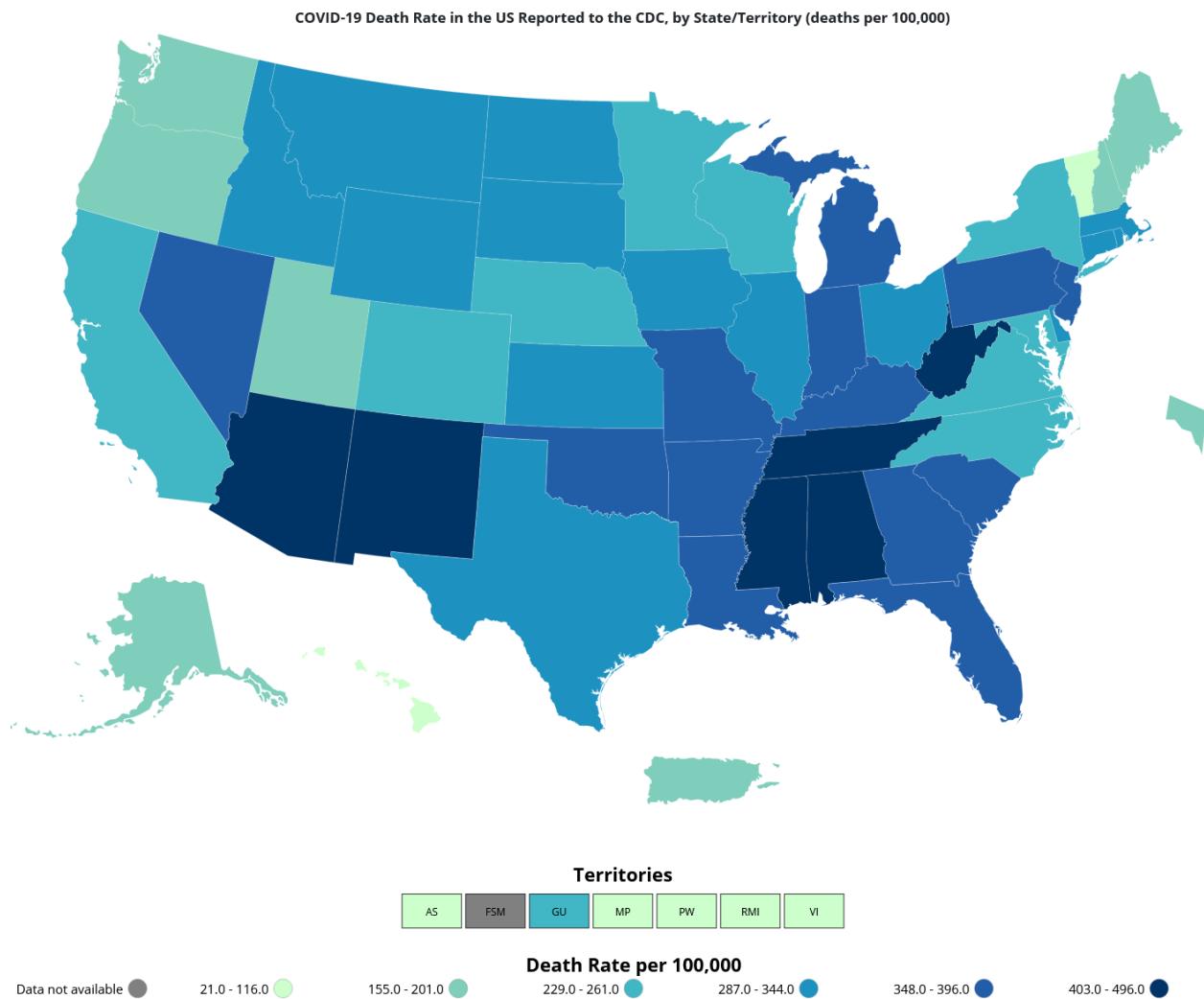


[Tampa Bay Times: Florida's Preventable Deaths Rose During the Pandemic. It Wasn't Just COVID](#)

[CDC: Excess Deaths Associated with COVID-19 by Jurisdiction/Cause](#)

This map of Covid deaths rates from September 12th shows that Florida reported only 42 deaths for the last 7 days. Comparing the state's cumulative deaths for September 12, 2022, with September 6th's yields 520 deaths.

Among the six largest states, Florida ranks first for the highest proportion of Covid deaths. Due to the current wave, we have overtaken Pennsylvania: CA (239); TX (306); FL (375); NY (261); PA (365); IL (311):

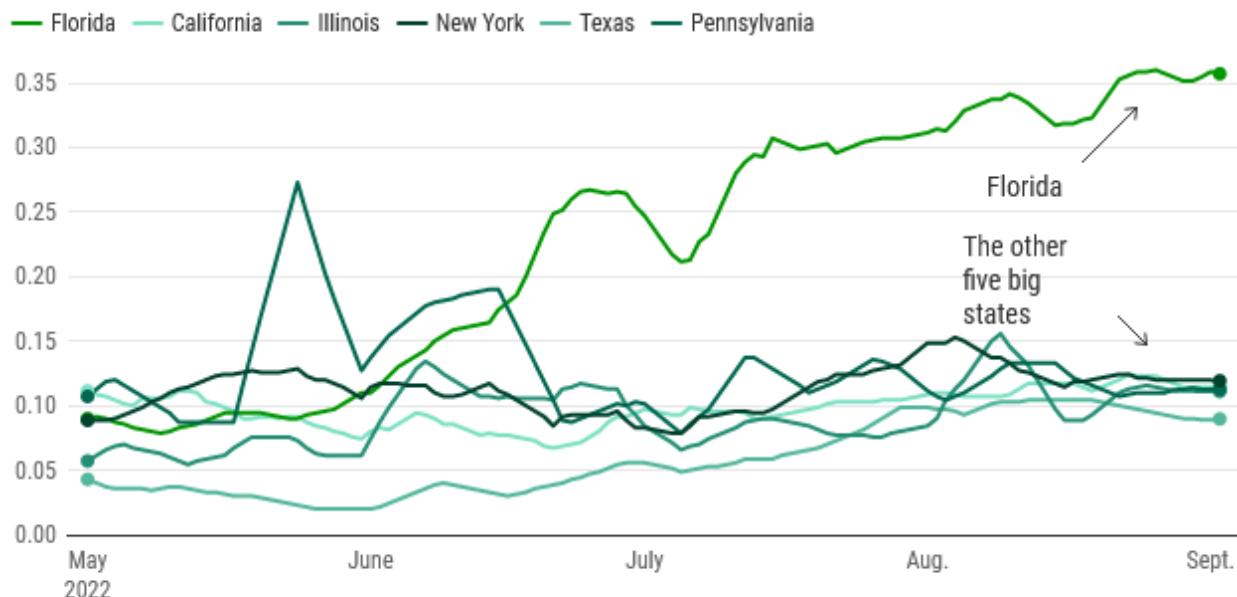


[CDC: United States COVID-19 Cases, Deaths, and Laboratory Testing by State and Territory](#)

Florida's death rate was 3x higher than the other large states during May–August 2022:

A tough summer

Daily COVID deaths per 100,000 residents since May 1.

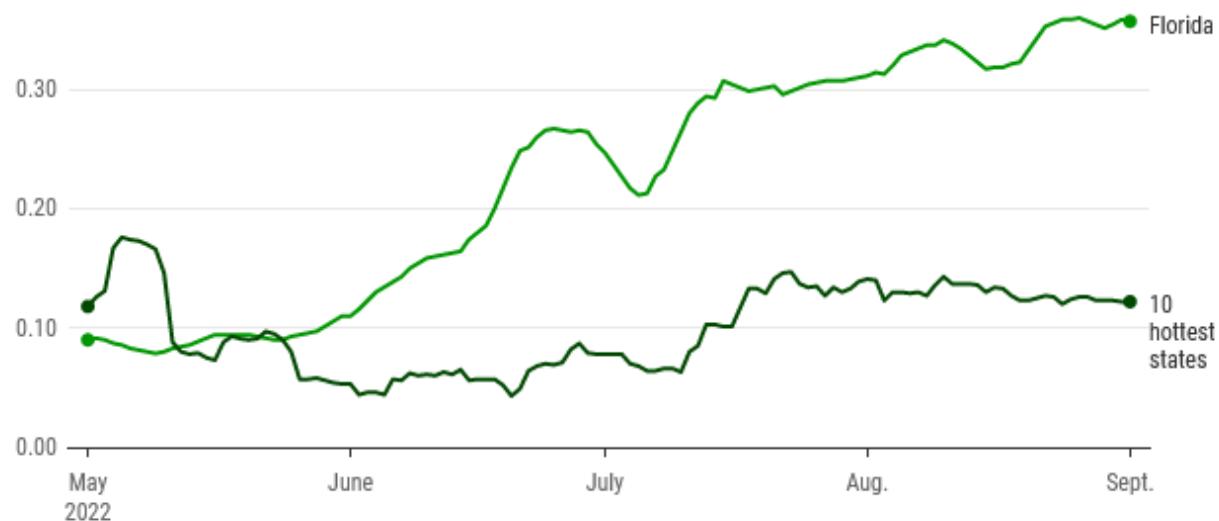


Tampa Bay Times • Source: CDC COVID Tracker

Florida's heat is often blamed for the large numbers of summertime Covid deaths, as people crowd into airconditioned spaces. An analysis of the other 10 hottest states revealed their combined death rate was 1/3 of Florida's during May through August 2022:

Is it because Florida is hot?

Florida's COVID death rate compared to the average rate of the 10 other states with the hottest summer temperatures.



* Louisiana, Texas, Oklahoma, Mississippi, Arkansas, Georgia, Alabama, South Carolina, Arizona and Kansas.

Tampa Bay Times • Source: CDC COVID Tracker; National Oceanic and Atmospheric Administration

Florida's large percentage of elderly people is often cited as the reason for the high mortality rate. In 2020, at least 20% of the populations of 5 states were aged 65+. Florida ranked 2nd behind Maine:

States Ranked by Percent of Population Age 65 or Older, 2020

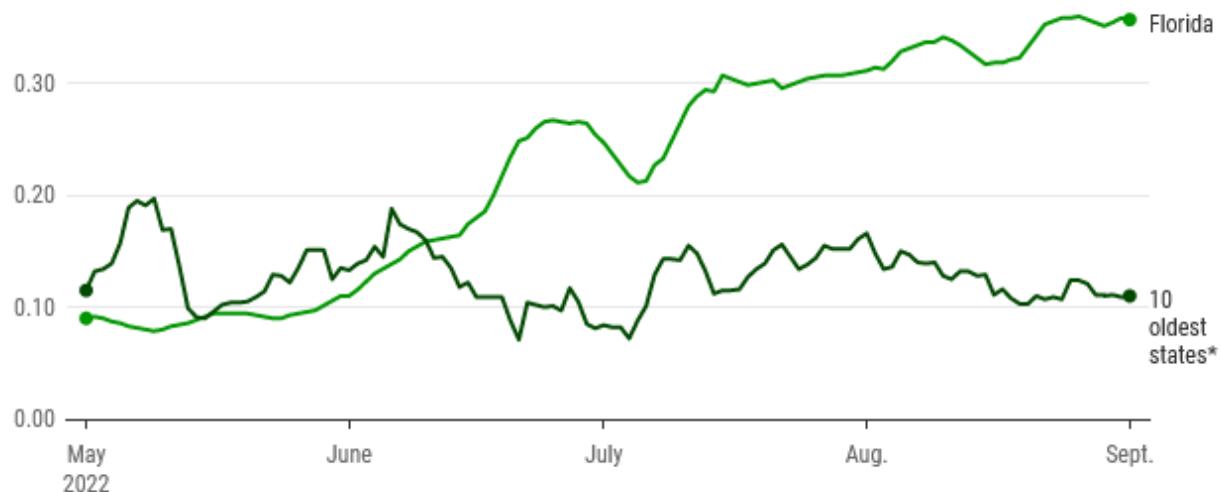
[Print](#) [Excel](#) [CSV](#) [Copy](#)

RANK	STATE	TOTAL RESIDENT POPULATION (THOUSANDS)	POPULATION AGES 65+ (THOUSANDS)	POPULATION AGES 65+ (PERCENT OF STATE POPULATION)
1	Maine	1,350	294	21.8%
2	Florida	21,733	4,638	21.3%
3	West Virginia	1,785	374	20.9%
4	Vermont	623	129	20.6%
5	Delaware	987	198	20.0%
6	Montana	1,081	213	19.7%

Maine's death rate (190) was roughly half of Florida's (375); others in the top 6 states with the oldest populations are WV (409); VT (109); DE (316); and MT (328). Here is the data for May through August:

Is it because Florida is old?

Florida's COVID death rate compared to the average of the 10 other states* with the highest percentage of residents 65 years and over.



* Florida is second only to Maine in the highest percentage of residents 65 years and older. The others: West Virginia, Vermont, Delaware, Montana, Pennsylvania, Hawaii, New Hampshire, South Carolina and Oregon.

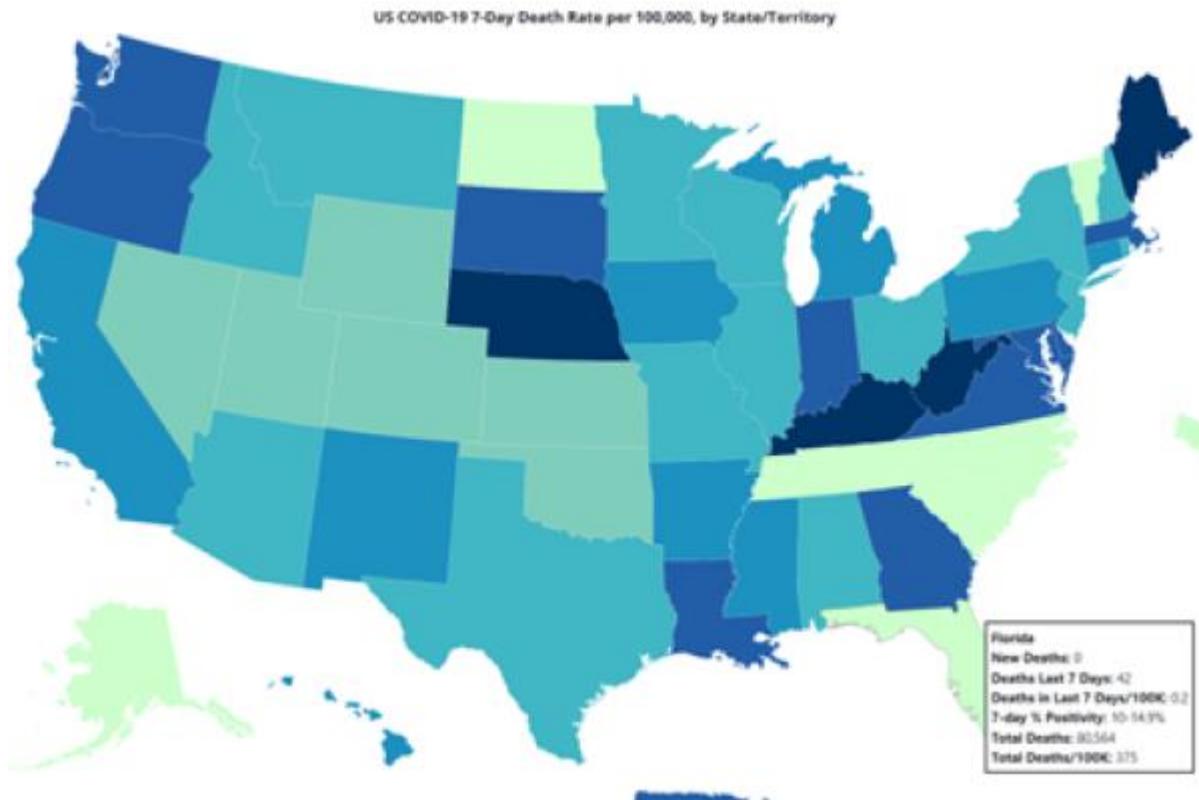
Tampa Bay Times • Source: CDC COVID Tracker; U.S. Census

PRB: Which States have the Oldest Populations?

CDC: United States COVID-19 Cases, Deaths, and Laboratory Testing by State and Territory

Tampa Bay Times: Why Are So Many Floridians Still Dying from COVID? How Florida's Death Rate Compares to Other States, Including California, Texas, and New York

To get an accurate picture of that map for the last seven days, we must determine the death rate for 520 deaths, not 42. Doing that shows that Florida had 2.5 deaths/100,000, ranking 2nd worst in per capita deaths reported in the last 7 days, just behind Maine:



CDC: US Covid-19 7-Day Death Rate per 100,000, by State/Territory

Covid Cases in Florida:

With the rise in at-home testing since the omicron wave began, it is important to know that official confirmed cases are likely to be significantly undercounted.

For the week ending on September 8, 2022, the Florida Department of Health reported 28,791 confirmed Covid cases. Adding those to the state's previous cumulative count and last week's 38,956 gives us a total of 7,066,234 cumulative Covid cases among permanent residents. Compared to the week ending on September 1st, that is a 26% decrease:

Previous week (September 2, 2022 - September 8, 2022)

Published September 9, 2022

All data are provisional and subject to change. Data include only Florida residents.

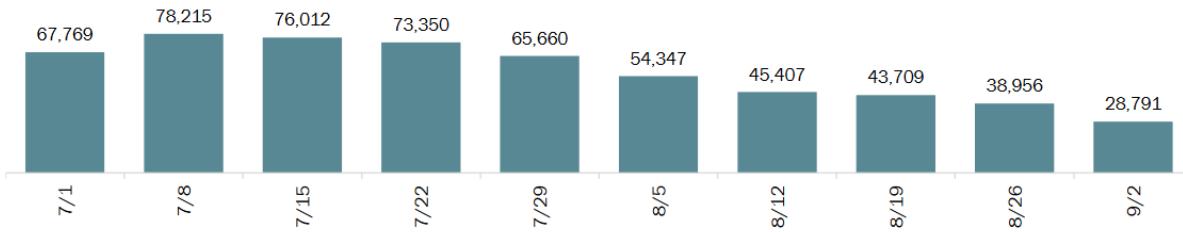


Case data	Previous week	Cumulative	Vaccine data	Previous week (doses administered)	Cumulative (people vaccinated)
Total	28,791	7,066,234	Total	10,808	16,017,132
New case positivity	12.4%	28.8%	First dose	4,231	2,205,983
Deaths	33	80,386	Series completed	4,567	7,819,623
			Additional or booster dose	2,010	5,991,526

See additional notes at the end of this report for information on positivity rate, deaths, and vaccination status.

Vaccine age groups	Population	Vaccinated
Total (6+ months)	22,207,477	72%
6 months-4 years	1,049,999	2.3%
5-11 years	1,709,114	25%
12-19 years	1,982,626	64%
20-29 years	2,735,328	66%
30-39 years	2,857,581	73%
40-49 years	2,690,641	80%
50-59 years	2,944,284	84%
60-64 years	1,482,302	88%
65+ years	4,755,602	94%

New cases for the past 10 weeks

[Salemi USF: COVID-19 in Florida](#)

On June 6, 2022, a report from the Florida Auditor General revealed that 60% of people who tested positive for Covid during March–October 2020, were never notified of their results. That affected at least 183,000 individuals infected with the SARS-CoV-2 virus and likely had a major impact on preventing Covid transmission in the state. The Tampa Bay Times article includes a link to the audit.

[Tampa Bay Times: Florida's Health Department Undercounted COVID Cases and Deaths, State Audit Says](#)

On June 4, 2021, the state removed all data from anyone who has not established permanent residency and stopped reporting information from visitors, seasonal residents, and migrant workers. This deleted 43,535 cases. I can no longer access this file, as my browser deems it a security risk:

COVID-19: summary of cases and monitoring

Data through Jun 2, 2021 verified as of Jun 3, 2021 at 09:25 AM

Data in this report are provisional and subject to change.

Cases: people with positive PCR or antigen test result		Cases: people with positive PCR or antigen test result	
		Risk factors for Florida residents	
Total cases		18,931	
Florida residents	2,286,332	Travel	920,896
Non-Florida residents	43,535	Contact with a known case	24,985
Type of testing		Travel and contact with a known case	
Florida residents	2,286,332	Neither	1,321,520
Positive by BPHL/CDC	83,364	No travel and no contact	280,411
Positive by commercial/hospital lab	2,202,968	Travel is unknown	733,532
PCR positive	1,819,119	Contact is unknown	511,267
Antigen positive	467,213	Contact is pending	459,732
Non-Florida residents		Travel can be unknown and contact can be unknown or pending for the same case; these numbers will sum to more than the "Neither" total.	
Positive by BPHL/CDC	1,037		
Positive by commercial/hospital lab	42,498		
PCR positive	29,688		
Antigen positive	13,847		
Characteristics			
Florida residents hospitalized	95,607		
Florida resident deaths	36,973		
Non-Florida resident deaths	744		
Hospitalized counts include anyone who was hospitalized at some point during their illness. It does not reflect the number of people currently hospitalized.			
More information on deaths identified through death certificate data is available on the National Center for Health Statistics website at www.cdc.gov/nchs/nvss/covid19/index.htm .			

FL Covid-19 Cases and Monitoring as of June 3, 2021

Dr. Salemi has been publishing state rankings of confirmed cases, with the addition of Washington DC and New York City. After a brief respite from ten weeks of terrible rankings, Florida fell to 11th worst two weeks ago. We have now had two weeks of improvement, rising to 29th best in the US:

State Rankings on Reported Cases Per Capita

Rankings from 1 (best/lowest) to 52 (worst/highest)

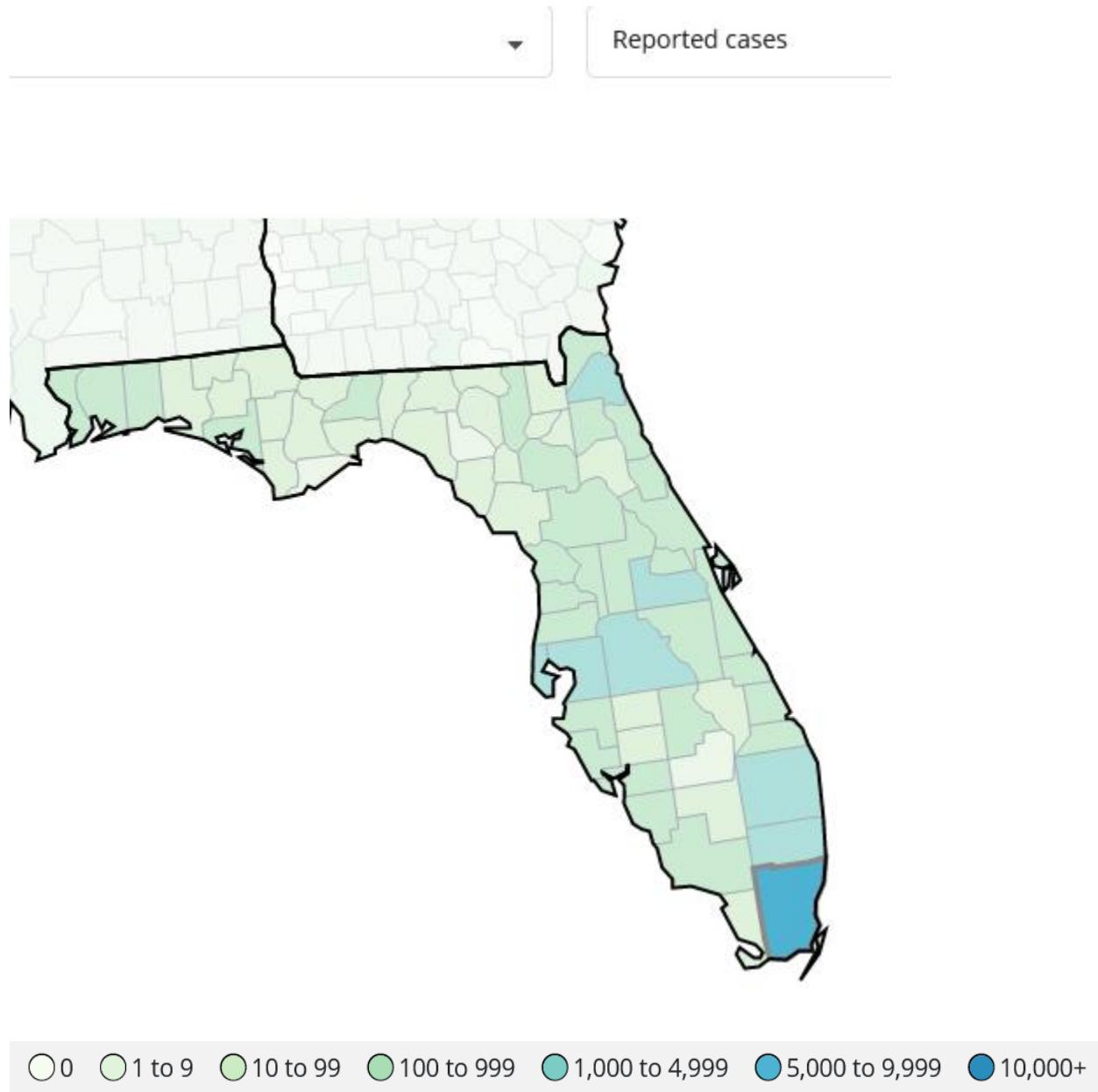
Presented weekly (on Wednesdays) from most-to-least current date

State Name	9/7/2022	8/31/2022	8/24/2022	8/17/2022	8/10/2022	8/3/2022	7/27/2022	7/20/2022	7/13/2022	7/6/2022	6/29/2022	6/22/2022	6/15/2022	6/8/2022	6/1/2022	5/25/2022	5/18/2022	5/11/2022	5/4/2022	4/27/2022
Florida	29	34	42	32	43	47	48	48	51	49	50	51	50	51	49	44	34	32	33	33
Alabama	46	50	51	51	47	45	49	49	47	46	44	41	26	12	9	6	5	3	4	8
Alaska	20	27	45	31	42	52	36	46	45	50	51	49	45	50	43	33	30	34	41	48
Arizona	1	12	8	19	21	22	26	30	18	45	33	35	37	28	25	20	12	13	12	7
Arkansas	45	44	39	36	27	31	38	43	44	40	36	18	13	3	1	3	4	4	2	4
California	37	33	33	40	39	44	50	52	46	52	48	48	49	45	47	38	28	28	30	31
Colorado	8	7	5	8	7	9	13	20	25	35	45	44	46	47	36	26	27	27	28	27
Connecticut	18	11	13	7	10	8	9	5	6	5	6	6	8	5	26	42	38	46	42	41
Delaware	21	17	31	28	26	26	39	12	23	18	18	20	28	40	51	50	48	40	35	34
District of Columbia	4	3	11	3	6	4	14	18	16	20	30	40	32	36	39	46	46	42	1	39
Georgia	19	28	43	45	33	34	34	33	31	22	25	22	23	20	16	16	13	16	16	21

April 27–September 7, 2022

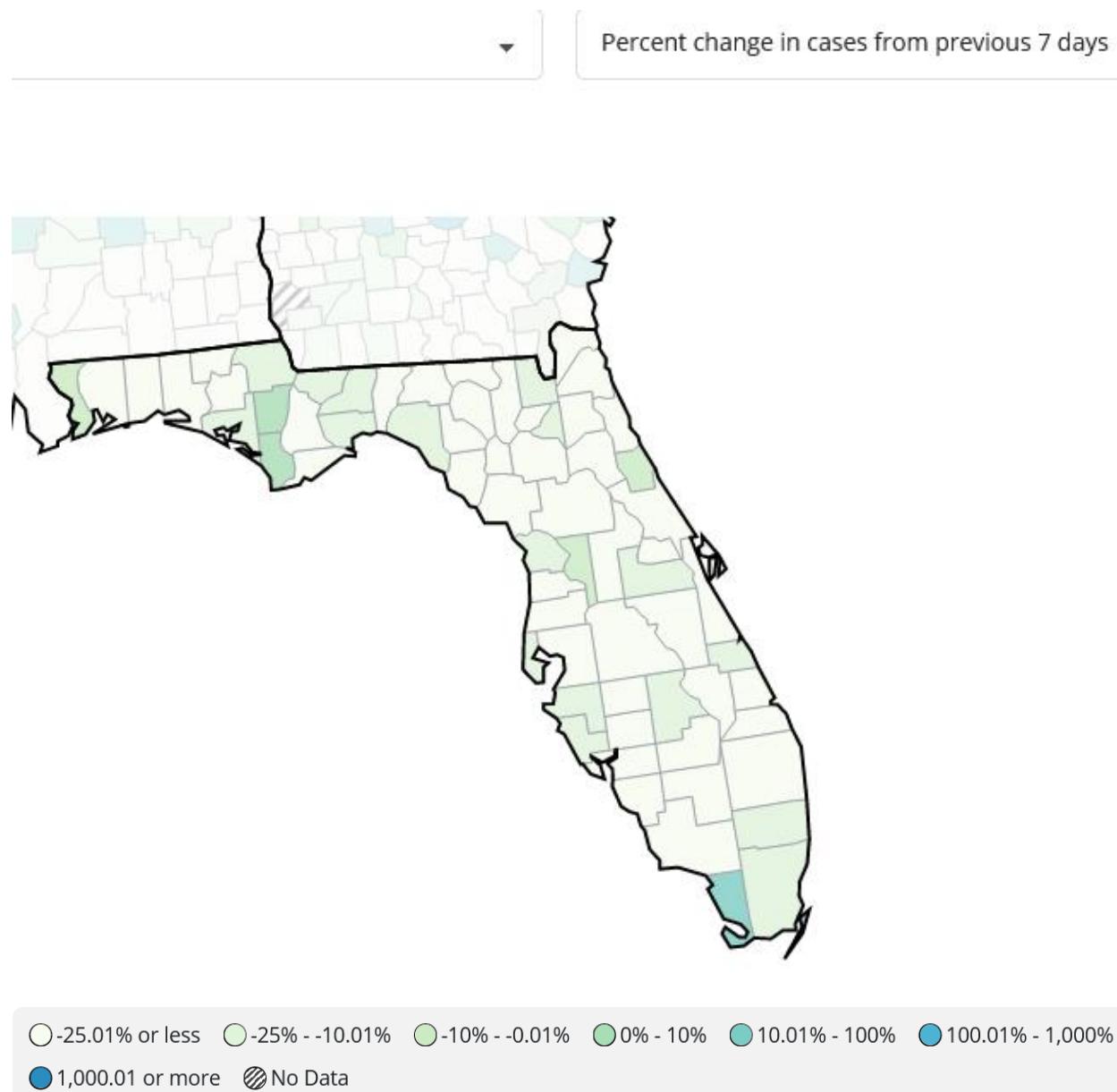
Salemi USF: COVID-19 Cases in Florida

Clicking on this map at the CDC's web site will show you the exact number of confirmed cases for any county. During September 6–12, Miami-Dade had 5,470 (-22%); Broward had 2,733 (-16%); Palm Beach had 1,786 (-29%); and Hillsborough had 1,7932 (-32%). Orange County—where Disney is located—had 1,558 (-24%):



CDC: Florida Reported Cases by County

With a few exceptions, the greatest increases in cases are concentrated in the northern parts of the state:



CDC: Florida Percent Change of Cases

Dr. Jason Salemi was posting very helpful county-level case data until April 22nd. Unfortunately, the county-level data he used to post is no longer available:



COVID-19 in Florida

Last update:
Fri, 04/22/2022Next update:
Fri, 04/29/2022

FLORIDA FOCUS
NATIONAL
COMMUNITY
PROFILE
VACCINES
NATIONALLY
CURRENTLY

COVID-19
DashboardLast update:
Thu,
09/08/2022Next update:
Tue, 09/13/2022

COVID-19 in Florida

Last update:
Fri, 04/22/2022Next update:
Fri, 04/29/2022

FLORIDA FOCUS
NATIONAL
COMMUNITY PROFILE
VACCINES
NATIONALLY
CURRENTLY
HOSPITALIZED
NEW HOSPITAL
ADMISSIONS BY AGE
DEATHS

4/28/2022: ATTENTION ALL USERS

This week, I had a catastrophic hard drive failure which compromised my COVID-19 dashboard.

Although the Tableau file itself was backed up, the 50 or so modified source datasets that feed into the dashboard were lost (I just received word from the data recovery folks at my university).

I will have to rebuild many aspects of the dashboard, and this will take quite a while (perhaps a few weeks) since I am also at a very busy portion of the academic year.

I will leave the dashboard in its current state - up and available for everyone - and will begin refreshing as soon as possible.

My sincere apologies - this is a service I've been providing for over 2 years, non-stop, and it pains me that this has happened.

LIST OF VISUALIZATIONS ON THIS PAGE

CASES

(updated several times each week)

1. Map of [Recent Trends in New Cases](#), By State
2. Temporal Trends in New [Cases](#), By State
3. State Rankings in New [Cases per Capita](#), Over Time

[Other pages on this site](#)

- [RISK INDICATORS](#) page
- [HOSPITALIZATIONS](#) page
- [DEATHS](#) page
- [VAX](#) page

Date	Apr 11	18	23%	25	4.3	13%	14	1%	1	7/9/2022
Apr 10	19,630	671	3.4%	12.7		48,700				7/9/2022
Apr 09	21,501	356	1.7%	7.0	12.6	-2%	44,622	4%		6/5/2022
Apr 08	23,906	496	2.1%	12.0	1.0	3%	31,728	-1%		8/13/2022
Apr 07	16,796	106	0.6%	5.7	10.4	-17%	31,568	-18%		8/19/2022
Apr 06	12,313	476	3.8%	8.1	1.7	-17%	29,355	-1%		8/17/2022
Apr 05	8,732	20%	2.3%	6.3	1.5	-25%	21,003	-18%		8/15/2022
Apr 04	7,423	-34%	254	5.8	-12%	22,392	-3%			8/17/2022
Apr 03	8,558	15%	2.9%	3.8	-8%	18,823	-28%			8/24/2022
Apr 02	9,027	-41%	172	1.7	-8%	11,118	-22%			10/1/2022
Apr 01	8,816	-24%	231	3.8	-22%	13,331	-16%			10/1/2022
Mar 30	8,033	-21%	304	8.2	-24%	13,333	-1%			10/12/2022
Mar 29	8,179	-25%	80	2.2	-8%	13,217	-9%			10/30/2022
Mar 28	22,215	-7%	76	2.0	-9%	13,448	-7%			10/29/2022
Mar 27	8,059	-6%	74	1.9	-10%	12,023	-10%			11/5/2022
Mar 26	22,124	2%	73	1.7	-9%	20,227	-6%			11/13/2022
Mar 25	1,967	7%	67	1.7	-9%	20,224	-1%			11/13/2022
Mar 24	1,801	4%	60	1.6	-4%	17,599	-1%			11/13/2022
Mar 23	2,050	1%	70	1.8	-2%	18,871	-4%			11/13/2022
Mar 22	2,771	3%	60	2.2	-11%	20,718	-1%			11/13/2022
Mar 21	11,889	82%	402	9.0	-25%	18,287	-12%			11/13/2022
Mar 20	12,428	84%	1,761	15.8	-13%	21,304	-18%			11/13/2022
Mar 19	98,437	98%	3,379	27.3	-44%	54,768	-38%			11/13/2022
Mar 18	110,806	12%	3,797	31.0	-13%	12,258	-27%			11/13/2022
Mar 17	81,877	33%	3,217	25.3	-18%	35,577	-37%			11/13/2022
Mar 16	47,414	-49%	1,625	20.2	-20%	10,847	-4%			11/13/2022
Mar 15	23,596	-56%	369	14.8	-27%	7,931	-27%			11/13/2022
Mar 14	16,617	-30%	565	12.2	-29%	8,385	-2%			11/13/2022
Mar 13	28,976	26%	881	13.2	-7%	6,039	-1%			11/13/2022
Mar 12	4,033	-7%	661	3.7	-6%	4,774	-21%			11/13/2022
Mar 11	8,176	37%	299	2.8	-24%	3,872	-29%			11/13/2022
Mar 10	1,121	33%	70	2.0	-29%	2,713	-25%			11/13/2022
Mar 09	1,675	21%	57	2.6	-20%	2,284	-38%			11/13/2022
Mar 08	1,723	3%	58	3.7	-9%	1,833	-21%			11/13/2022
Mar 07	3,059	75%	203	8.3	-18%	3,987	-58%			11/13/2022
Mar 06	6,370	34%	211	6.5	-8%	1,639	-40%			11/13/2022
Mar 05	146		306	18.9		307				

County/City
[checkboxes]
[checkbox] Alachua
[checkbox] Baker
[checkbox] Bay
[checkbox] Bradford
[checkbox] Brevard
[checkbox] Broward
[checkbox] Calhoun
[checkbox] Charlotte
[checkbox] Citrus
[checkbox] Clay
[checkbox] Collier
[checkbox] Columbia
[checkbox] Dade
[checkbox] DeSoto
[checkbox] Dixie
[checkbox] Duval
[checkbox] Escambia
[checkbox] Flagler
[checkbox] Franklin

[Salemi USF: COVID-19 Cases in Florida](#)

[April 28, 2022 Florida Covid Stats: What Is Really Happening?](#)[April 22, 2022 Florida Covid Stats: What Is Really Happening?](#)

Data released by the state on September 8th tells us **nothing** about the amount of change:

COVID-19 Weekly Situation Report: County Overview

Previous week (September 2, 2022 - September 8, 2022)



County	2022 population	Cumulative (since March 1, 2020)			Previous week (September 2, 2022 - September 8, 2022)				
		People 6+ months old vaccinated	Percent of 6+ months old vaccinated	Cases	Case positivity	People 6+ months old vaccinated	Cases	New case positivity	Cases per 100,000 population
Florida	22,324,144	16,017,132	72%	7,066,234	28.8%	4,231	28,791	12.4%	129.0
Alachua	277,875	188,815	68%	83,099	28.5%	64	423	12.8%	152.2
Baker	29,061	12,422	43%	9,921	37.6%	9	70	34.1%	240.9
Bay	178,978	98,374	55%	52,344	33.7%	19	217	14.3%	121.2
Bradford	28,931	13,548	47%	8,656	37.3%	3	36	15.6%	124.4
Brevard	626,267	423,080	68%	164,026	28.3%	67	697	11.8%	111.3
Broward	1,963,035	1,609,767	82%	726,187	27.5%	329	2,734	12.3%	139.3
Calhoun	14,755	5,629	38%	4,637	37.6%		15	8.3%	101.7
Charlotte	197,297	139,482	71%	44,522	27.9%	22	216	14.3%	109.5
Citrus	152,579	90,703	60%	36,289	31.5%	14	216	13.1%	141.6
Clay	228,176	126,375	56%	63,061	34.7%	19	288	16.7%	126.2
Collier	406,310	302,201	75%	98,035	26.4%	95	373	16.1%	91.8

[Salemi USF: COVID-19 in Florida](#)

To evaluate the trend in Covid infections among children during the week of September 2–8, 2022, we can compare the current report to the one from two weeks earlier:

COVID-19 Weekly Situation Report: Demographics Overview

Previous week (September 2, 2022 - September 8, 2022)



Demographic	2022 population	Cumulative (since March 1, 2020)			Previous week (September 2, 2022 - September 8, 2022)				Cases per 100,000 population
		People 6+ months old vaccinated	Percent 6+ months old vaccinated	Cases	Case positivity	People 6+ months old vaccinated	Cases	New case positivity	
All ages	22,324,144	16,017,132	72%	7,066,234	28.8%	4,231	28,791	12.4%	129.0
<6 months	116,667			26,078			256		219.4
6 months-4 years	1,049,999	24,313	2%	199,124	22.6%	733	988	7.4%	94.1
5-11 years	1,709,114	426,820	25%	421,197	26.3%	572	1,213	8.6%	71.0
12-19 years	1,982,626	1,273,131	64%	653,244	30.0%	419	2,546	15.8%	128.4
20-29 years	2,735,328	1,804,301	66%	1,133,505	32.3%	843	3,128	13.1%	114.4
30-39 years	2,857,581	2,078,757	73%	1,162,504	31.9%	683	3,529	12.7%	123.5
40-49 years	2,690,641	2,154,103	80%	1,033,693	31.4%	401	3,358	13.0%	124.8
50-59 years	2,944,284	2,475,209	84%	993,095	29.4%	320	4,068	13.1%	138.2
60-64 years	1,482,302	1,308,187	88%	408,547	26.3%	96	2,155	13.1%	145.4
65+ years	4,755,602	4,472,311	94%	1,033,725	24.1%	164	7,550	12.4%	158.8
Unknown				1,522	7.5%			40.0%	

COVID-19 Weekly Situation Report: Demographics Overview

Previous week (August 19, 2022 - August 25, 2022)



Demographic	2022 population	Cumulative (since March 1, 2020)			Previous week (August 19, 2022 - August 25, 2022)				Cases per 100,000 population
		People 6+ months old vaccinated	Percent 6+ months old vaccinated	Cases	Case positivity	People 6+ months old vaccinated	Cases	New case positivity	
All ages	22,324,144	15,999,823	72%	6,998,561	28.7%	8,724	43,703	16.2%	195.8
<6 months	116,667			25,488			352		301.7
6 months-4 years	1,049,999	22,284	2%	196,631	22.6%	1,169	1,895	13.4%	180.5
5-11 years	1,709,114	425,074	25%	417,280	26.2%	1,022	3,904	20.2%	228.4
12-19 years	1,982,626	1,271,339	64%	646,409	29.8%	816	4,210	23.9%	212.3
20-29 years	2,735,328	1,801,110	66%	1,126,220	32.3%	1,381	4,701	17.2%	171.9
30-39 years	2,857,581	2,075,980	73%	1,154,233	31.8%	1,255	5,625	17.4%	196.8
40-49 years	2,690,641	2,152,513	80%	1,025,775	31.3%	862	5,048	16.6%	187.6
50-59 years	2,944,284	2,473,797	84%	983,959	29.2%	851	5,698	15.5%	193.5
60-64 years	1,482,302	1,307,531	88%	403,805	26.2%	414	2,810	14.7%	189.6
65+ years	4,755,602	4,470,195	94%	1,017,238	23.9%	954	9,457	13.4%	198.9
Unknown				1,523	7.5%		3	50.0%	

Children under 5 are now separated into two age brackets based upon their vaccination eligibility. During this week, 256 infants <6 months old tested positive, a decrease of 23% from 334 a week earlier. For ages 6 months–4 years, cases decreased by 34% to 988 from 1,505. Overall, children <5 had a 32% decline in positive tests reported to the state in one week.

Adolescents had the highest positivity rates in the state at 15.8%. This week, 1,213 elementary-aged children tested positive, a decrease of 55% over last week (2,704). Ages 12–19 had 2,546 positive reports, a 46% decline from 4,739. Combining these age groups yields a 49% decrease.

[Salemi USF: COVID-19 in Florida](#)

There were more cumulative cases reported for children under five in the June 16th report (192,875) than in the June 30th report (191,640). That gives us -1,235 for the week of June 17–23, 2022, at precisely the time when the state was preventing vaccination of that age group:

COVID-19 Weekly Situation Report: Demographics Overview

Previous week (June 24, 2022 - June 30, 2022)



Demographic	2022 population	Cumulative (since March 1, 2020)			Previous week (June 24, 2022 - June 30, 2022)				Cases per 100,000 population
		People 6+ months old vaccinated	Percent 6+ months old vaccinated	Cases	Case positivity	People 6+ months old vaccinated	Cases	New case positivity	
All ages	22,324,144	15,866,087	71%	6,493,977	27.6%	11,794	74,481	19.4%	333.6
<6 months	116,667			21,464			521		446.6
6 months-4 years	1,049,999	4,305	0%	170,176	21.5%	3,429	2,438	16.6%	232.2

COVID-19 Weekly Situation Report: Demographics Overview

Previous week (June 10, 2022 - June 16, 2022)



Demographic	2021 population	Cumulative (since March 1, 2020)			Previous week (June 10, 2022 - June 16, 2022)				Cases per 100,000 population
		People vaccinated	Percent 5+ vaccinated	Cases	Case positivity	People vaccinated	Cases	New case positivity	
All ages	21,975,117	15,339,625	74%	6,345,663	27.2%	4,711	74,323	17.2%	338.2
<5	1,167,863			192,875	20.6%		2,807	13.2%	240.4

[June 30, 2022 Florida Covid Stats: What Is Really Happening?](#)

[June 16, 2022 Florida Covid Stats: What Is Really Happening?](#)

The 2021–2022 school year began on August 10th, and the Hillsborough County School District instituted a mandatory mask mandate on August 18th. They ended it on October 15th. Florida law prohibits requiring masks in non-medical settings and now leaves the decision about quarantining after a close contact at school to the child's parents.

[HCS: Covid Frequently Asked Questions](#)

A study of schools with more than 1.1 million students and 157,000 staff members determined a 72% drop of in-school Covid transmission occurred with mandatory mask policies instead of optional or partial masking.

Healthcare workers who wore respirator masks like N95s had half the risk of getting Covid compared to colleagues who wore surgical masks.

NIH: Mandatory Masking in Schools Reduced COVID-19 Cases During Delta SurgeMedPage: Healthcare Workers Who Wear Better Masks Get Less COVID

The Hillsborough County School District published a notice effective January 31, 2022:

“The Florida Department of Health has shifted COVID-19 case investigation focus to: ‘high-congregate settings’ (nursing homes/skilled nursing/assisted living facilities, correctional facilities, homeless shelters, group homes) at high risk for secondary transmission or poor health outcomes among their residents as a result of COVID-19 infection. Public schools and daycare settings are not considered congregate settings.”

Purpose:
To insure the health and safety of each member of our school family, the process below applies to students who attended class(es) with a person who is a Confirmed Positive COVID-19 Case. All person that involve COVID-19 cases will be shared with the Department of Health-Hillsborough. As always, all student information will remain confidential, in accordance with applicable laws and regulations.

Effective 1/31/22:

The Florida Department of Health has shifted COVID-19 case investigation focus to: “high-risk congregate settings” (nursing homes/skilled nursing/assisted living facilities, correctional facilities, homeless shelters, group homes) at high risk for secondary transmission and/or poor health outcomes among their residents as a result of COVID-19 infection. Public schools and daycare settings are not considered congregate settings.

COVID-19 Symptoms:
If anyone (parent, employee, or visitor) shows any symptoms of COVID-19, it is extremely important that they not enter any school or district building and should contact their healthcare provider for guidance. COVID-19 symptoms (not associated with previously diagnosed condition) include:

- Fever or chills
- Cough
- Shortness of breath or difficulty breathing
- Fatigue
- Headache
- New loss of taste or smell
- Sore throat
- Muscle or body aches
- Diarrhea
- Nausea or vomiting

Student Contact with a Confirmed Positive Case Protocol:

1. Parents/guardians will be contacted by text message and/or email from the school administration if a person-confirmed positive case has been in contact with their student(s) who attended their student's class(es). The school will provide additional clarifying information to parents as required.
2. The HCPS Communication Team will provide school administration with communications to send to staff and students who attended class(es) where a confirmed positive COVID-19 case was reported. The entire school community will be notified of positive cases on campus.
3. Per Florida rule 68-1.0 (3)(A)(7)(a), a student who is a close contact of a confirmed positive COVID-19 case is not required to quarantine if there is no isolation break.
4. Parents or legal guardians of students with a confirmed positive COVID-19 case in their class(es) may choose one of the following options:
 - Allow the student to attend school, school-sponsored activities, or be on school property, so long as the student remains asymptomatic OR
 - Quarantine the student. Schools can provide guidance if requested.
 - Parents or legal guardians who choose to quarantine their student will communicate their decision with the school after receiving notification or as per the procedure communicated by the school.
5. HCPS COVID Team will share case information with the Department of Health-Hillsborough as soon as possible including all documentation.
6. Students who are quarantined must meet the following criteria to remain in or return to school:
 - No evidence of COVID-19 symptoms at any time during the post exposure or quarantine period.
 - If COVID-19 tested, have received a negative COVID-19 lab test result, and share those results with the school site.
7. Students with a confirmed positive COVID-19 case in their class(es) are not required to be COVID-19 tested before returning to school if they remain symptom free.
8. Students with a confirmed positive COVID-19 case in their class(es) should seek medical attention if symptoms develop.
9. Return to athletics protocols will be followed once the student returns to school (if applicable).

v.31January2022

During the week leading up to that announcement 38,629 school-aged children in Florida had tested positive.

Hillsborough County School District: COVID-19 Student ProtocolJan 27, 2022 Florida Covid Stats: What Is Really Happening

On January 26th, the Orange County School District announced that the state will no longer permit excused absences for Covid effective January 31st. Children who quarantined after a Covid exposure would be considered truant:

ocpsnews @OCPSnews · Jan 26

OCPS families, this is an update regarding parents keeping students home during the increased COVID-19 cases. Beginning January 31, we will no longer be able to provide excused absences in such cases.

1/5

32 28 32 1

ocpsnews @OCPSnews · Jan 26

The number of cases has continued to decline, and we continue to require face masks for adults and strongly encourage them for students. It is also an additional strain on our teachers as they continue to manage assignments for large numbers of absent students.

2/5

2 2 2 1

ocpsnews @OCPSnews

Additionally, the State has not extended the quarantine code to be used in accommodation of absences in our attendance records, so students should be considered truant for non-attendance. We simply must discontinue the provision.

Orange County School District: Unexcused Absences for Covid

Schools closed for the summer after May 26th. As of May 23, 2022, there had been 29,000 cases during that school year in the Hillsborough County School District:



This dashboard is no longer posted online for the school year which began on August 10, 2022:

This page is currently unavailable.

[Hillsborough County Public Schools Covid Dashboard](#)

Florida Covid Testing and Prevention:

A report released by the US House Select Subcommittee on the Coronavirus Crisis in June 2022 explains Florida's approach to the pandemic:

In March 2020, a radiologist named Scott Atlas began pushing the federal government to stop “a massive overreaction” that was “inciting irrational fear.” He claimed that SARS-CoV-2 would kill about 10,000 Americans, a number so small that it “would be unnoticed” compared to influenza. Dr. Atlas advocated isolating high-risk people and exposing lower-risk Americans to the virus as quickly as possible. Masks and widespread social distancing would prevent that from happening, so he eschewed them.

On July 4, 2020, another like-minded Trump Administration official wrote this:

From: Alexander, Paul (HHS/ASPA) [mailto:paul.alexander@hhs.gov]
 Sent: Saturday, July 4, 2020 1:44 PM
 To: Caputo, Michael (HHS/ASPA) <michael.caputo@hhs.gov>;
 Oakeley, Caitlin B. (DHS/ASPA) <caitlin.oakeley@hhs.gov>;
 McVeigh, Katherine (DHS/ASPA) <katherine.mcveigh@hhs.gov>;
 Murphy, Ryan (DHS/ASPA) <ryan.murphy@hhs.gov>;
 Weber, Mark (DHS/ASPA) <mark.weber@hhs.gov>
 Subject: RE: Fauci says now today on news that vaccine will not get us to HERD alone...that means intuitively that means we need infected people

Fauci who is for lockdown and the like, is now actually clarifying things by his statement today on FOX that we won't get to herd with a vaccine...he actually is helping the administration

It is actually one of the architects of lockdown but is actually saying now indirectly, that vaccine can't do it so we will need the population to get infected and develop antibodies. The issue is 6 months in, only about 5% of population have antibodies and this means it will take 7-8 years to get 90% herd going this way of lockdown, partial lockdown, open up, close back down etc.

Infants, kids, teens, young people, young adults, middle aged with no conditions etc. have zero to little risk....so **we use them to develop herd...we want them infected....and recovered...with antibodies....**

You can discount the devastation of lockdown on people who have compromised immune systems, etc., but...all the same, drink and use illicit drugs and die to substance use deaths...this is a fact...most will die due to the indirect effects of COVID...these deaths of despair...if the young healthy will among us can face the pathogen and develop herd, why can't we? Prior has not worked...you can lock down and re-open and it spike, close down again...the virus will never be away...it will lurk, we got to face it once and for all...while pushing hard for vaccines and therapeutics...all at once...

And stop Fauci from talking...he is confusing people...he keeps the message too much...and the result is now he is not credible...talk to lots of people and meet the real world. Others are...he is not. His messaging is not consistent so you don't know what the best science is advocating.

Dr. Paul E. Alexander, PhD
 Senior Advisor to the Assistant Secretary
 For COVID-19 Pandemic Policy
 Office of the Assistant Secretary of Public Affairs (ASPA)
 US Department of Health and Human Services (HHS)

Dr. Deborah Birx pointed out that many Americans over 70 live in multi-generational households, to no avail.

Dr. Atlas advised Ron DeSantis on Florida's Covid response. Several months later, Jared Kushner secretly hired him to join the Trump Administration. Mr. Kushner told him to hide his badge and had him anonymously join Coronavirus Task Force online meetings for the first two weeks he was employed there, because Dr. Birx “would be extremely sensitive and upset and threatened if I came in.”

A memorandum written by Dr. Atlas called “Strategy for Moving Forward Covid-19” stated this:

* The current strategy is misguided, because it is focused too broadly on “stopping all cases” and widespread testing. Stopping all cases is not necessary, nor is it possible. It instills irrational fear into the public. Non-prioritized testing is jeopardizing critical resources for truly critical testing and is creating problematic delays in test results for the most important populations. Moreover, it sets up an unattainable goal that is harming this president. Instead, we need a strategic policy that leverages what we now know, and what can be accomplished, and we need to instill new confidence in the American people.

He also claimed, “...emerging research adding insights into immunity and suggesting that herd immunity may arise with a far lower population infection rate than originally thought... We expect to see more cases with more social interactions, because this is a contagious disease.”

In August 2020, Dr. Atlas invited several doctors to the White House who agreed with his approach. **One of them was Dr. Joseph Ladapo, who now serves as the Florida Surgeon General.** Dr. Birx sent this email to the vice president’s chief of staff, calling them “a fringe group without grounding in epidemics, public health, or on the ground common sense experience”:

From: "Birx, Deborah L. EOP/NSC" <[REDACTED]>
Date: Tuesday, August 25, 2020 at 7:55 AM
To: "Short, Marc T. EOP/OVP" <[REDACTED]>
Subject: FW: For Review: Draft POTUS Remarks - Meeting with Medical Experts

I can't be part of this with these people who believe in herd immunity and believe we are fine with only protecting the 1.5M Americans in LTCF and not the 80M + with co-morbidities in the populations included the unacceptable death toll among Native Americans, Hispanics and Blacks. With our current mitigation scenario we end up near 300K by Christmas and 500K by the time we have vaccine – close to the 600K live lost with 1918 Flu. We have worked to find a path that is the least disruptive to the economy but moves us under R1 and saves both the economy and American lives. Without masks and social distancing in public and homes we end up with twice as many deaths – we are a very unhealthy nation with a lot of obesity etc – we will never look as good as even Sweden due to our co-morbidities. These are people who believe that all the curves are predetermined and mitigation is irrelevant – they are a fringe group without grounding in epidemics, public health or on the ground common sense experience. I am happy to go out of town or whatever gives the WH cover for Weds. Perhaps do Annapolis and meet with Hogan. Fauci and I could probably do it together – I am open to options. Deb

The group met anyway.

During her testimony to the House Select Subcommittee, Dr. Birx called the meeting “dangerous”, and said, “any credibility given to these individuals in this moment while we were headed into the fall would be dangerous for our overall response and ability to contain the virus.”

Fearing that large-scale testing was harmful because it would interfere with achieving herd immunity and lead to “lockdowns [which would] hurt Americans more than the virus,” Dr. Atlas wrote this on August 3, 2020:

* broad population testing of asymptomatic people is not a priority – tens of millions of people have been infected; the action item if positive (quarantining asymptomatic, low-risk people) would be both hugely disruptive to society, and interfere with the critical population immunity needed to eradicate the threat (not to mention contrary to American values of personal freedom); and the perception of “needing a test” adds to fear and subsumes needed resources for priority tests;

After fierce debate, the testing guidance was drastically weakened against the wishes of the CDC director. An unknown person removed the recommendation for people without symptoms to self-isolate for 14 days after close contact with an infected person. Testing declined significantly.

In September, Dr. Atlas sent an email claiming that PCR tests were “misleadingly positive.” His “remedy” was to make the lab work stop after fewer cycles, making the virus harder to detect:

Atlas, Scott W. EOP/WHO

From: Atlas, Scott W. EOP/WHO
Sent: Wednesday, September 16, 2020 8:35 AM
To: Short, Marc T. EOP/OVP; Kushner, Jared C. EOP/WHO; Lyons, Derek S. EOP/WHO
Cc: Rader, John N. EOP/WHO; Boehler, Adam'; Atlas, Scott W. EOP/WHO
Subject: please read: 16SwptData and daily report
Attachments: 16September2020Data.pptx; WH_Daily_Report_20200916.pdf

[The interpretation of the information is seriously incorrect and leads to wrong, harmful policy decisions.]
 1) The rise in “hospitalizations per case” or “deaths per case” – **this is a very misleading indicator and incorrect to base policy on.** If testing goes down, which it has, the denominator of hosp/case (and deaths/case) becomes smaller and the fraction is higher.
 2) We have a continually **decreasing** number of pts in the hospital, with no increase in “confirmed (proven) Covid hospitalizations” per week in any age group, on Dr B’s WH Daily **in this very email**
 3) nationally, the number of hospitalized patients is at its lowest now; deaths are decreasing, too
[B] the “alarm” of fewer tests makes no sense - we are not testing simply to drive a fraction downward]
 4) the **appropriate stat to monitor disease is if people are getting sick** - without errors due to variability in testing is “Covid-like illness to ED” <https://covid.cdc.gov/covid-data-tracker/#ed-visits>
 - USA continues to decrease, now only 1.5% (smallest in **months** and steadily declining)
 - the so-called red states (ID, SC, UT, VA) for CLU to ED:
 ID: 2%, decreasing from 5% in mid-July
 SC: 3%, decreasing from 8% in mid-July
 UT: 2%, steadily decreasing from 5% from mid-July
 VA: 2%, steadily decreasing from 3% from mid-July
 5) calling a state “red” based on test positivity is a bad decision – it is completely arbitrary, and again based on a fraction that is grossly misleading, because **it changes with who and how many get tested.**
[5] pushing more testing is destructive to opening – a) the overwhelming majority of PCR tests are misleadingly positives, now widely known, even reported in the NYT, because positive test does **not mean contagious.; b) we are quarantining people due to a positive PCR test for non-contagious virus. Locking down businesses and schools and society is harmful and contrary to our policy. **[ACTION needed – guideline to change PCR testing to less than 32 cycles]****

 Scott W. Atlas, MD
 Special Advisor to the President

Three weeks after restrictions were loosened, the CDC reinstated 14 days of isolation even with a negative test.

When Jared Kushner read a draft tweet created for President Trump to ask everyone to wear a mask to slow viral spread, Dr. Atlas objected that it wasn’t consistent with the president’s disparagement of masks. It was weakened to read “only if you cannot socially distance.” Dr.

Atlas then wrote several op-eds claiming that masking could be harmful due to contamination and giving a false sense of security:

In fact, there is vanishingly little hard evidence that masks actually work to block transmission of the virus. They may even be harmful in certain settings.

Statement Regarding the Effectiveness of Masks in Preventing Spread of COVID-19

Unlike some, President Trump does not believe that hiding from the public or the press is consistent with the unique nature or critical duties of the Presidency, even during this pandemic. Accordingly, he had taken unprecedented steps to mitigate the risks of coronavirus infection at the White House and while traveling, the cornerstone of which is a robust system to test everyone with whom he might have close contact.

Testing systems like the one in place at the White House, however, are not generally practicable in other settings. That is why the President has, in line with the National Institutes of Health, consistently recommended social distancing and masks in situations where distancing is not practicable, in addition to basic hygiene measures. These steps can help keep the virus from spreading in environments where testing of multiple people every day is not possible.

In fact, there is vanishingly little hard evidence that masks actually work to block transmission of the virus. They may even be harmful in certain settings.

First, despite media reports, there is no scientific evidence that mask mandates have slowed the spread of the virus. We know that by looking at how cases exploded despite mask mandates in places like Los Angeles County, Miami-Dade County, Hawaii, Alabama, the Philippines, Japan, the United Kingdom, Spain, France, Israel, and elsewhere.

Second, even the World Health Organization has yet to recommend widespread masks as a mitigation measure for this virus. In their document entitled *Advice on the use of masks in the context of COVID-19*, the organization states the following: "At present, there is no direct evidence (from studies on COVID-19 and in healthy people in the community) on the effectiveness of universal masking of healthy

His anti-mask program enabled the spread of the virus, perfectly in keeping with his desire to get as many people infected quickly as possible. The subcommittee cited Dr. Atlas' schemes to promote herd immunity as a major factor in the subsequent rejection of vaccines by many Americans.

While meeting with the House Select Subcommittee on the Coronavirus, multiple former senior officials on the White House Coronavirus Task Force emphasized that Dr. Atlas severely impaired the effectiveness of the pandemic response. Dr. Birx estimated that 130,000 more lives were lost due to those decisions, which closely mirror what we have seen implemented by the DeSantis Administration in Florida. You can find a link to the full report here:

[MedPage: Report Shows Trump Administration Embraced Herd Immunity via Mass Infections—The Strategy Likely Contributed to Many Preventable Deaths, Report Notes](#)

With omicron reinfections becoming common, we now know that achieving herd immunity against SARS-CoV-2 is a myth, yet their tactics have not changed.

[Becker Hospital Review: How Omicron changed the Reinfection Landscape](#)

A scandal erupted on December 30, 2021, concerning 1,000,000 expired antigen tests sitting in a warehouse. At that time, it was virtually impossible to find an at-home test. On January 3, 2022, the Florida Surgeon General decried the “testing psychology” which seeks to identify all Covid cases to slow the rate of community transmission.

On January 6th, the governor announced the state was shipping 1,000,000 test kits to long-term care and nursing facilities. Florida's web site shifted its focus to testing. Specifically, that people who are not high-risk should avoid it:

[The Hill: Florida Surgeon General Blasts “Testing Psychology” around COVID-19](#)

[Florida Covid-19 Response](#)

[The Hill: DeSantis Administration Says It Let a Million COVID-19 Tests Expire in Florida Warehouse](#)

[The Hill: Florida Sending 1 Million Free COVID-19 Tests to Elderly Communities](#)

On February 7th, the Florida Department of Health officially reprimanded two testing companies which failed to report the results of 230,000 Covid tests taken during December and January.

[Tampa Bay Times: Florida Contractors Didn’t Report 230,000 COVID Tests on Time During Omicron Wave](#)

Until September 2nd, every household in the US was eligible to receive 3 shipments of 4 free Covid tests from the federal government at Covid.gov. That came to an end due to funding cuts. However, Medicare Part B will cover up to 8 tests/month at participating pharmacies.

The shift to home-based testing with the first omicron wave is highly likely to result in an under-reporting of Covid cases. The CDC advises those with a positive at-home test to report the results to their doctor.

[The Hill: Federal Government to Halt Free COVID-19 At-home Tests by Early September](#)

[Medicare: Coronavirus Disease 2019 \(COVID-19\) Diagnostic Tests](#)

High quality masks do work. Healthcare workers who wore respirator masks like N95s had half the risk of getting Covid compared to colleagues who wore surgical masks.

[MedPage: Healthcare Workers Who Wear Better Masks Get Less COVID](#)

Public health officials recommend maintaining a positivity rate less than 5% for two weeks before reopening. That means enough testing is taking place to capture even asymptomatic cases.

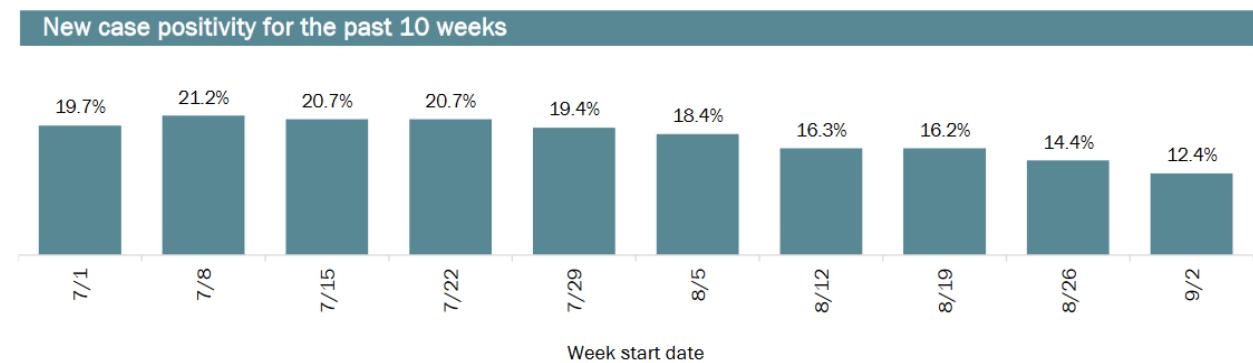
[JHU: COVID-19 Testing: Understanding the “Percent Positive”](#)

Florida crossed the 5% threshold during April 9–21, 2022:



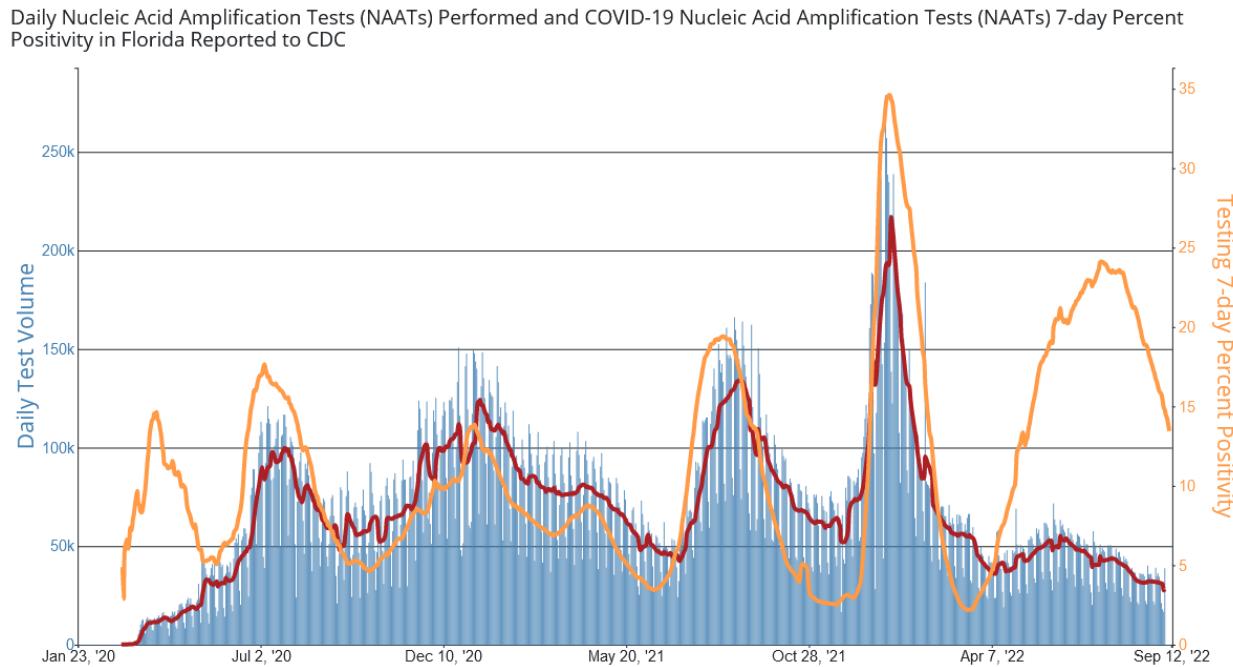
[June 2, 2022 Florida Covid Stats: What Is Really Happening?](#)

The Florida Department of Health reported an average of 12.4% on September 8, 2022:



[Salemi USF: COVID-19 in Florida](#)

According to data which the state reported to the CDC, May 1st was the last time the state's average was close to 12.4% (12.5%). Seven-day positivity rate averages during September 2–8 trended downward with a range of 15.87% to 14.27%, with an average of 15.07% (-10%). **That means there were about 87,000 cases in Florida during September 2–8, 2022 (-33%)**:



CDC: Florida Daily Covid Testing

Dr. Salemi was posting very helpful county-level data until April 22nd. Unfortunately, his site no longer includes county-level data since the crash of his hard drive:



COVID-19 in Florida

Last update:
Fri, 04/22/2022

Next update:
Fri, 04/29/2022

FLORIDA FOCUS
NATIONAL
COMMUNITY
PROFILE
VACCINES
NATIONALLY
CURRENTLY

4/28/2022: ATTENTION ALL USERS

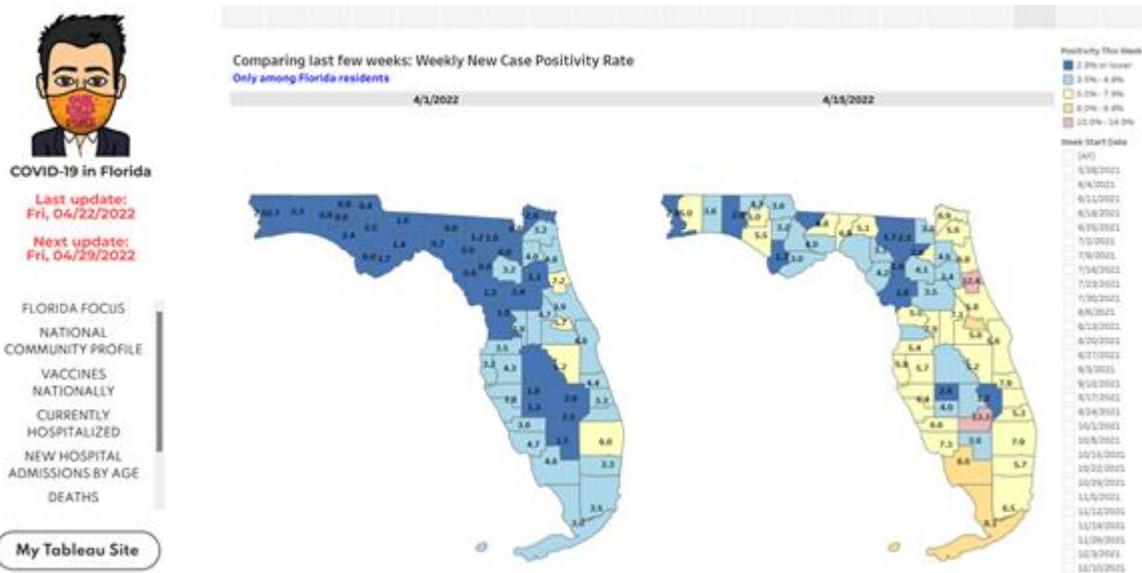
This week, I had a catastrophic hard drive failure which compromised my COVID-19 dashboard.

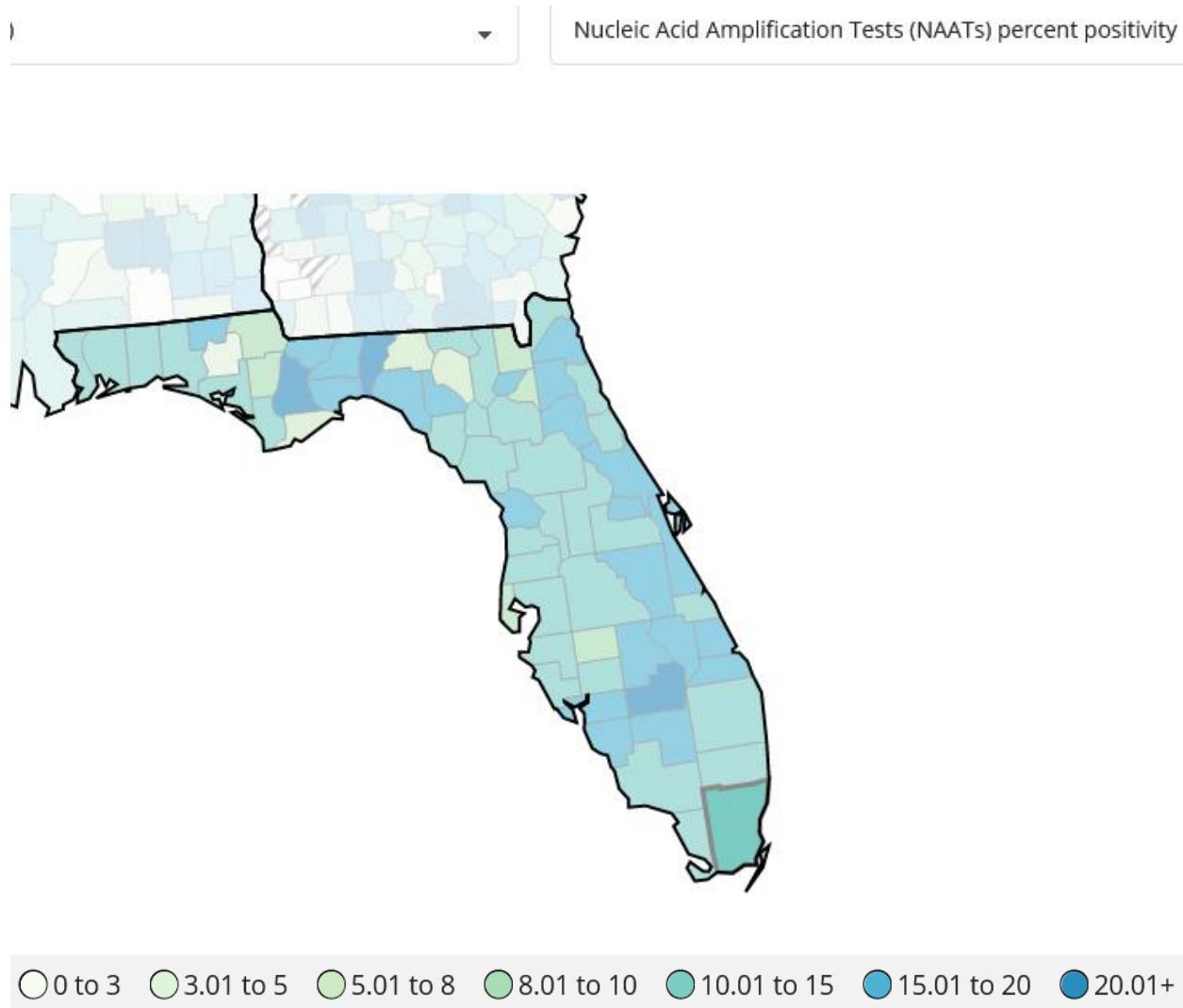
Although the Tableau file itself was backed up, the 50 or so modified source datasets that feed into the dashboard were lost (I just received word from the data recovery folks at my university).

I will have to rebuild many aspects of the dashboard, and this will take quite a while (perhaps a few weeks) since I am also at a very busy portion of the academic year.

I will leave the dashboard in its current state - up and available for everyone - and will begin refreshing as soon as possible.

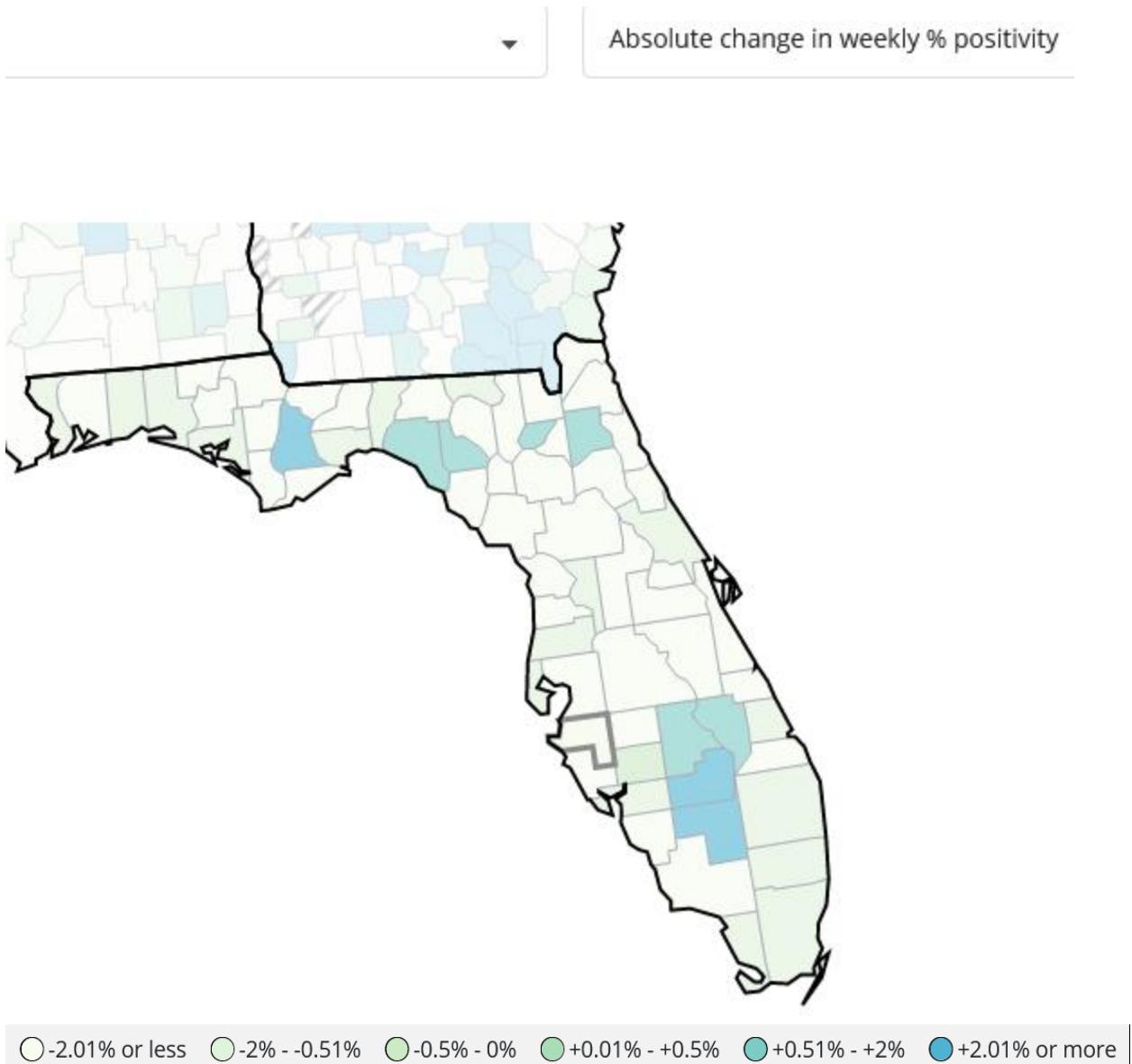
My sincere apologies - this is a service I've been providing for over 2 years, non-stop, and it pains me that this has happened.





CDC: Florida Positivity Percentages by County

Fifty-eight of the state's 67 counties experienced a decrease in their positivity rates compared to a week earlier. Three reported increases of at least two full percentage points. Thirty-nine fell by at least two points. You can check on the amount of change in your county's positivity rate by going to the link under this map:



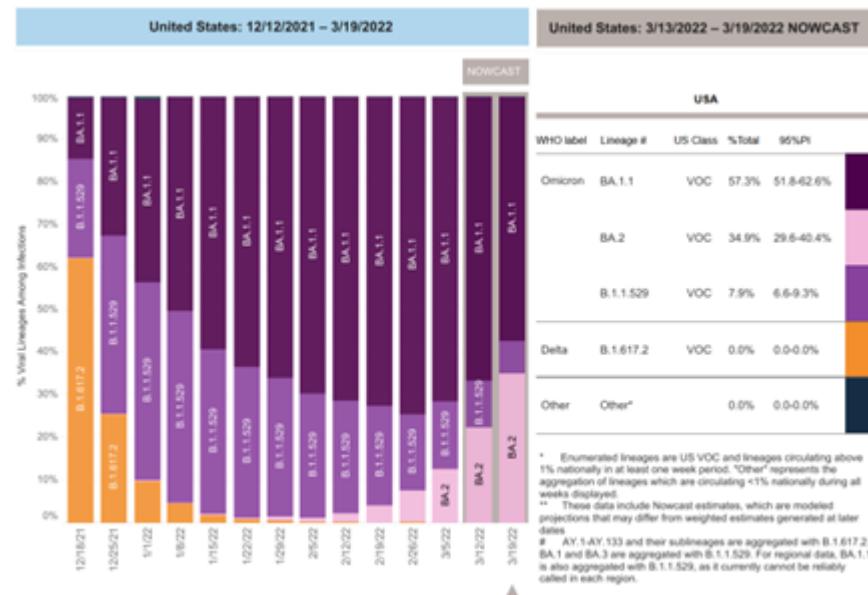
[CDC: Florida Change in Weekly Percentage of Positivity by County](#)

Covid Therapeutics in FL:

Until January 8th, the state continued to emphasize monoclonal antibody treatment as the focus of the Covid-19 Response web site:

Florida Covid-19 Response

Mutations which have resulted in the omicron variants render ineffective almost all the monoclonal antibodies previously in use, including the antibody combination used in Regeneron against the delta variant (imdevimab and casirivimab). In the US, 100% of new cases were due to the omicron strains by January 29, 2022:

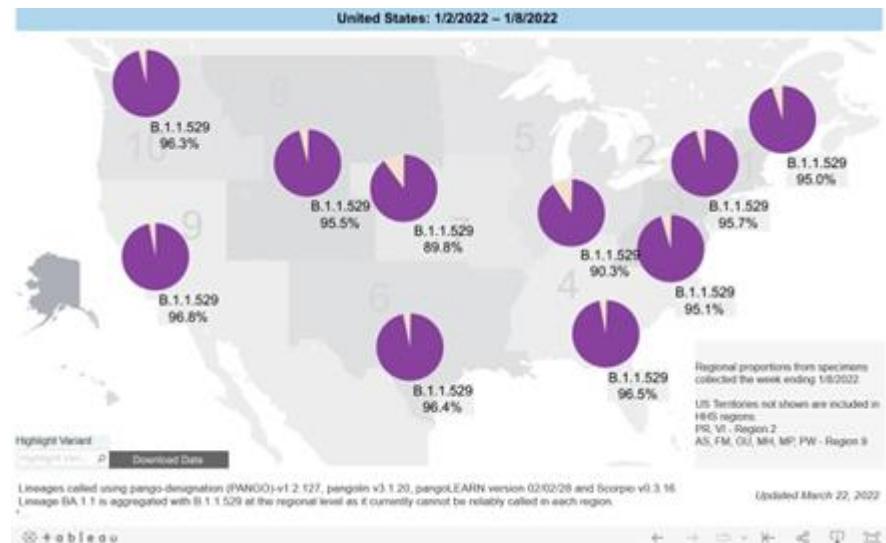


Covid-19: The Omicron Variant

NEJM: Efficacy of Antibodies and Antiviral Drugs Against Covid-19 Omicron Variant

March 24, 2022 Florida Covid Stats: What Is Really Happening?

For the week ending January 8th, 97% of sequenced cases in the region which includes Florida were omicron:



CDC: Variant Proportions

Jan 13, 2022 Florida Covid Stats: What Is Really Happening?

At that time, there was only one monoclonal antibody produced in the US which could attach to circulating omicron BA.1 particles. Sotrovimab worked against the original omicron variant and omicron BA.1 at a dosage three times that required to neutralize the delta variant.

Covid-19: The Omicron Variant

NEJM: Efficacy of Antibodies and Antiviral Drugs Against Covid-19 Omicron Variant

During the first week of January 2022, hospitals in Florida used 140 of the state's stockpile of 4,400 Sotrovimab doses, in contrast to over 2,700 doses of the ineffective Regeneron monoclonal antibody. On January 18th, the state announced the opening of additional monoclonal antibody infusion centers to distribute what remained of the 15,000 additional doses of Regeneron secured on January 7th.

Tampa Bay Times: Omicron Undermines Florida's Strategy to Combat Coronavirus: Gov. Ron DeSantis Continues to Tout Monoclonal Antibody Therapies, but New Evidence Shows Their Effectiveness Against COVID-19 Is Waning

Florida Health: Florida to Open Additional Monoclonal Antibody Therapy Treatment Sites

A week later, the FDA revised its Emergency Use Authorizations for the two components of Regeneron, prohibiting their use against the omicron variant. The federal government stopped shipping those monoclonal antibodies. Why the state continued to emphasize this until at least July 25th is mystifying:



Public Services | Resources | News | FAQ

[Vaccine Information](#) [Vaccine Locator](#) [Testing Site Locator](#) [Treatment Locator](#)

July 25, 2022

On April 5, 2022, the U.S. Food and Drug Administration (FDA) revised the [Emergency Use Authorization \(EUA\)](#) to discontinue the administration of sotrovimab. [Bebtelovimab](#) is Florida's only available monoclonal antibody treatment.

On January 24, 2022, the U.S. Food and Drug Administration (FDA) revised the [Emergency Use Authorizations \(EUA\)](#) for Eli Lilly's bamlanivimab-etezimab and Regeneron's REGEN-COV monoclonal antibody treatments, discontinuing their use by any U.S. state or jurisdiction. The full Florida Department of Health press release can be found [here](#).

Those notices have finally been removed:



Public Services | Resources | News |

[Vaccine Information](#) [Vaccine Locator](#) [Testing Site Locator](#) [Treatment Locator](#)

What you need to know now about COVID-19 in Florida

Older adults, those with underlying medical conditions (like chronic lung diseases, heart conditions, diabetes, smoking, etc.), and those pregnant and recently pregnant are at [increased risk](#) for severe illness. Here's what you can do right now.

[Florida Covid-19 Response](#)

Governor DeSantis accused the Biden Administration of having no clinical evidence, despite the manufacturers of both antibodies noting they had become ineffective:



Daniel Dale

@ddale8

...

As the DeSantis administration rails against the FDA decision to limit use of monoclonal antibody treatments made by Regeneron and Eli Lilly, worth noting both companies say they agree with the feds that these drugs aren't effective against omicron.

Regeneron left, Lilly right:

The original REGEN-COV antibody cocktail has been administered to millions of people globally and works well against Delta and other serious variants of concern. We are very proud of this medicine and the critical role it has played during the pandemic. However, it does not work against the Omicron variant in lab tests, which tells us that it is also not going to work in people who are infected with this variant. According to the [CDC](#), over 99% of COVID-19 cases in the U.S. are now caused by the Omicron variant, and thus the FDA's decision to amend the Emergency Use Authorization was appropriate at this time.

It's important for us all to now focus on creating and increasing safe treatment options that will work against Omicron, as well as Delta and even future variants. We have a next generation antibody candidate that, based on preclinical studies, is active against Omicron, Delta and other VOCs. We are in the process of scaling this candidate up and completing the necessary requirements to begin human testing. We'll continue to work closely with the FDA to determine how to bring new safe and effective treatment options to patients as quickly as possible.

The FDA has updated the Fact Sheet for bamlanivimab and etesevimab to include a new Limitation for Authorized Use: due to the high frequency of the Omicron variant, these therapies are *not currently authorized in any U.S. region*.

Lilly and the FDA agree that it is not medically appropriate, at this time, to treat patients with mild to moderate COVID-19 with bamlanivimab and etesevimab together in the U.S. Evaluation of both pseudovirus and authentic virus confirm that they are not effective at treating the currently predominant Omicron variant. Authorization status will change as needed, depending on prevalence and trends of variants of concern.

Authentic virus analysis of Lilly's third investigational antibody therapy, bebtelovimab, confirm our earlier pseudovirus findings, which demonstrate our investigational antibody potently inactivates all known variants of concern, including Omicron. We are



Ron DeSantis @GovRonDeSantis · Jan 25

Without a shred of clinical data to support its decision, the Biden Administration has revoked the emergency use authorization for lifesaving monoclonal antibody treatments.

[Show this thread](#)

1:03 PM · Jan 25, 2022 · Twitter for iPhone

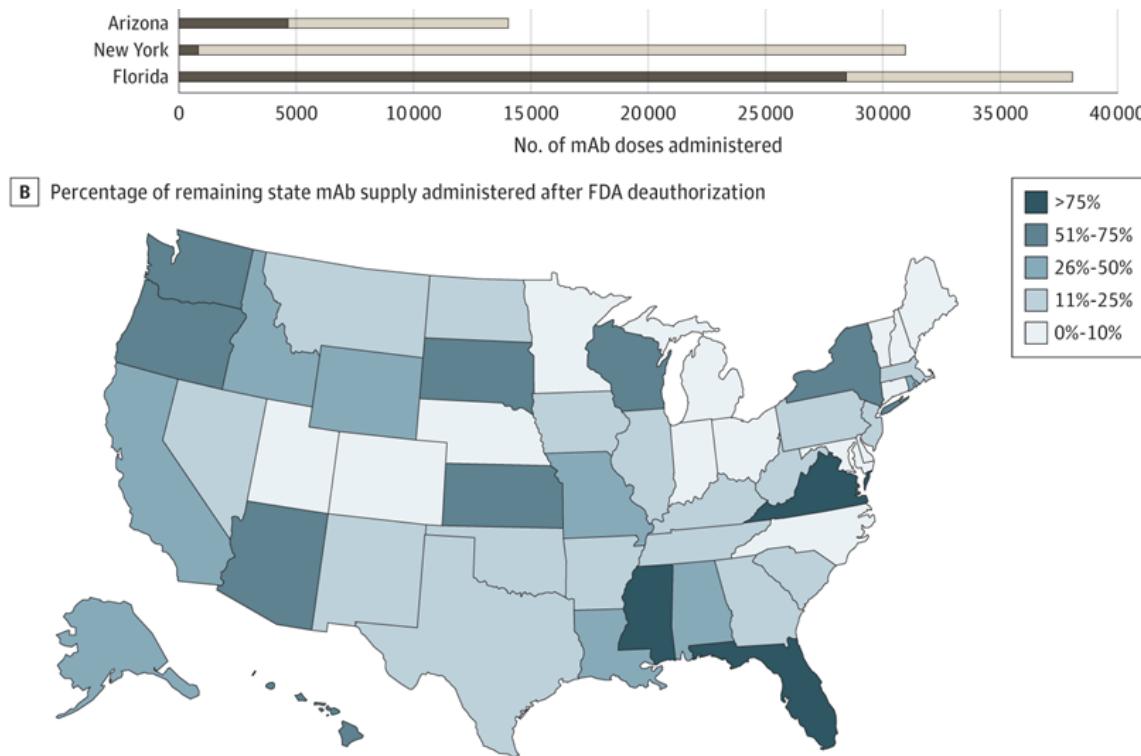
[FDA: Coronaavirus \(COVID-19\) Update: FDA Limits Use of Certain Monoclonal Antibodies to Treat COVID-19 Due to the Omicron Variant](#)

[Daniel Dale: DeSantis vs Regeneron and Lilly](#)

[Abcellera: Statement on the Neutralization Activity of Its Monoclonal Antibody Therapies Against the Omicron Variant of Concern](#)

[Ron DeSantis: Governor DeSantis Condemns Biden Administration's Haphazard Decision to Revoke Authorization of Lifesaving Monoclonal Antibody Treatments](#)

Nevertheless, Florida administered over 37,500 doses of ineffective monoclonal antibodies after the FDA announced they were no longer authorized for use. Monoclonal antibodies can trigger severe side effects:

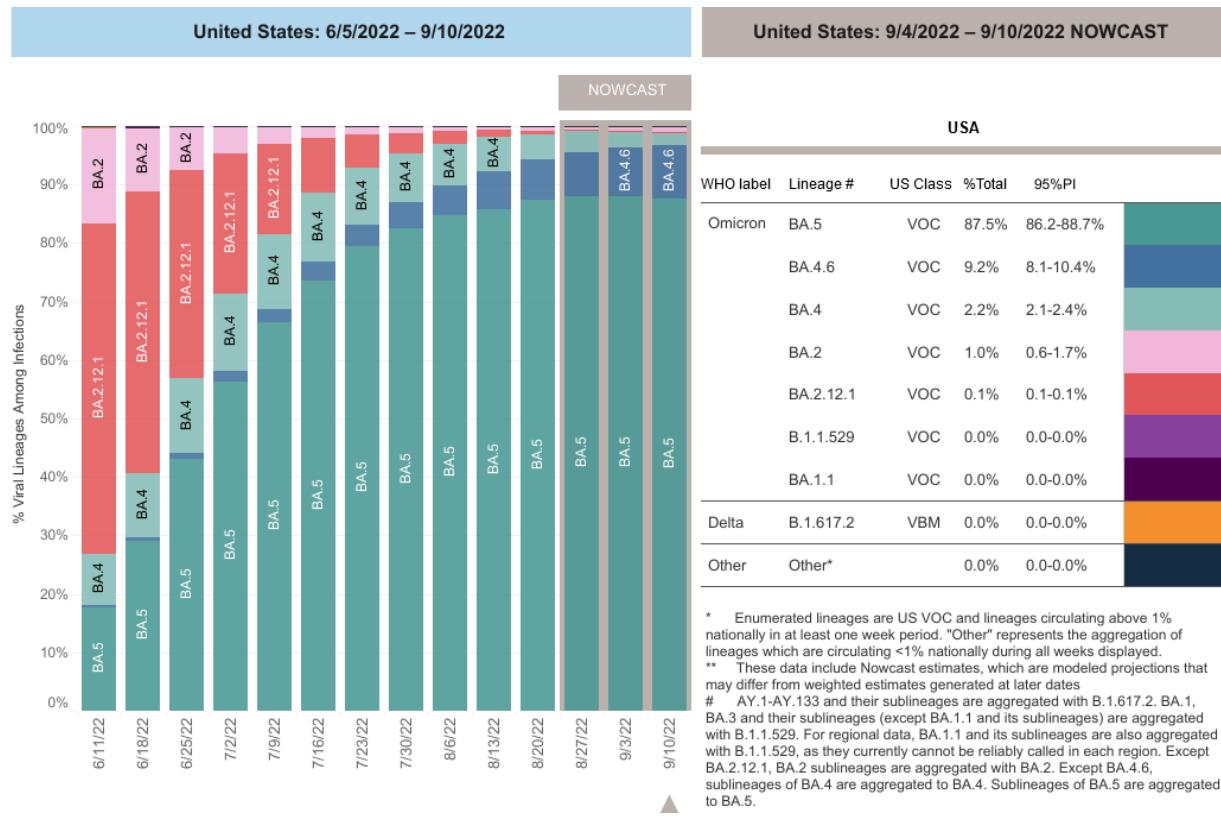


A, Total number administered. B, Percentage of mAb supply administered.

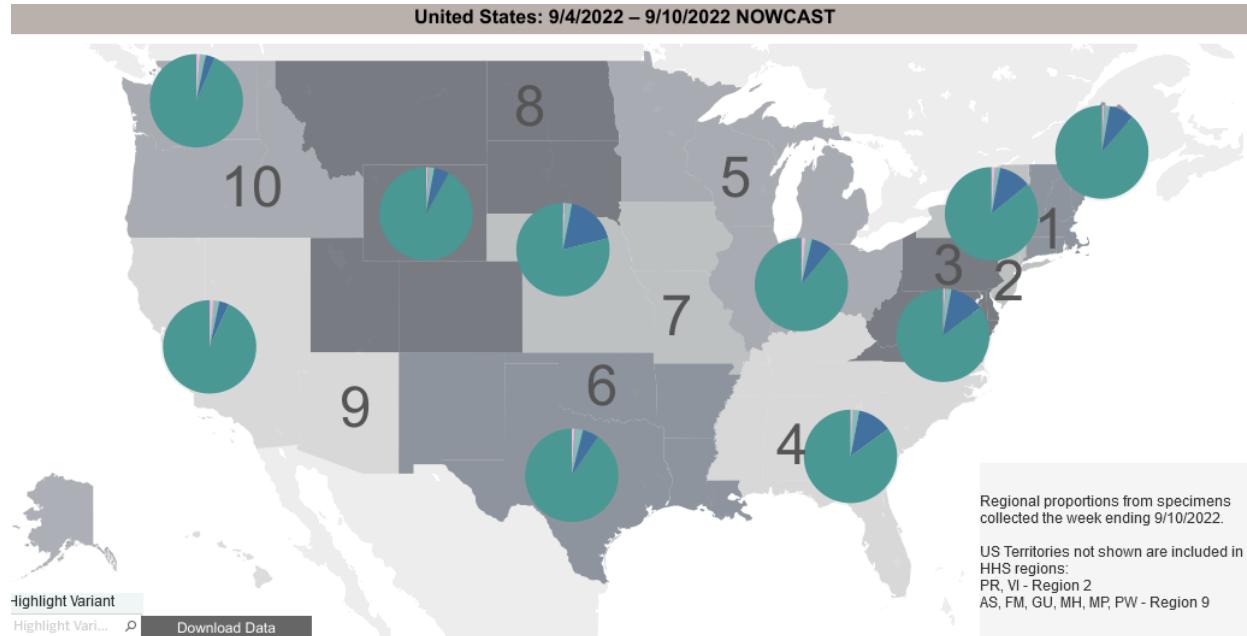
[JAMA: Administration of Anti-SARS-CoV-2 Monoclonal Antibodies After US Food and Drug Administration Deauthorization](#)

[Regen-Cov: January 24, 2022: REGEN-COV Usage Revisions and Important Safety Information](#)

The subvariants called BA.4 and BA.5 were first detected in the US in late May 2022. They have rapidly replaced earlier versions of SARS-CoV-2. Even BA.2 is down to 1% of samples tested. The CDC has separated BA.4.6 from its ancestor, BA.4. During September 4–10, BA.5 accounts for 88% of US samples; BA.4.6 for 9%; and BA.4 for 2%:



In this map, light green designates BA.4, blue represents BA.4.6, and dark green depicts BA.5. In the region which includes Florida during September 4–10, 2022, the percentage of BA.2 fell to 1%; BA.4 dropped to 2%; BA.4.6 rose to 12%, and BA.5 was almost the same at 85%:



Sotrovimab is 27 times less effective against BA.2 than for BA.1 and ineffective for newer variants. Therefore, on April 5, 2022, the FDA amended the Emergency Use Authorization to revoke the use of Sotrovimab nationwide.

CDC: Variant Proportions

June 2, 2022 Florida Covid Stats: What Is Really Happening?

Does Any Monoclonal Antibody Work Against BA.2?—Pre-print Lab Data Cast Doubt on the One Remaining Effective Antibody Treatment

BioRxiv: Antibody Evasion Properties of SARS-CoV-2 Omicron Sublineages

MedPage: COVID Antivirals Appear to Hold Up Against BA.2—In Lab Study, Monoclonal Antibodies Required Much Higher Concentrations Versus Omicron Subvariant

FDA: Update [4/5/2022] FDA Revokes Use of Sotrovimab to Treat COVID-19 Nationwide Due to the BA.2 Omicron Sub-variant

The August 22, 2022, update of this chart indicates that a different monoclonal antibody called Bebtelovimab neutralizes omicron BA.2, BA.4 and BA.5. In this chart, not being highlighted means an antibody works well:

Table 1: Virus variants and spike mutations vs monoclonal antibodies

Fold reduced neutralizing susceptibility to monoclonal antibodies under Emergency Use Authorization (EUA)

Test\mAb	BAM	ETE	BAM/ETE	CAS	IMD	CAS/IMD	CIL	TIX	CIL/TIX	SOT	BEB	ADI
Alpha	1 ₂₂	11 ₁₉	1.3 ₉	1 ₃₁	0.6 ₃₂	0.9 ₁₄	0.6 ₁₃	1.5 ₁₃	0.9 ₁₂	2 ₂₆	0.9 ₆	1.3 ₆
Beta	>1000 ₂₇	474 ₂₄	990 ₁₂	76 ₃₇	0.637	1.6 ₁₉	1.1 ₁₃	5.8 ₁₅	2 ₁₃	1.026	1 ₇	2.8 ₆
Gamma	>1000 ₁₆	348 ₁₆	404 ₄	124 ₂₄	0.4 ₂₄	1 ₉	0.5 ₁₁	3.7 ₁₁	0.9 ₈	1 ₂₁	1 ₅	2.2 ₆
Delta	>1000 ₂₃	0.4 ₂₃	1 ₉	0.7 ₃₀	2 ₃₁	1.5 ₁₂	2.5 ₁₂	1 ₁₃	1 ₁₃	1.323	1 ₁₁	1.5 ₆
Omicron/BA.1	>1000 ₃₇	428 ₃₇	887 ₁₄	>1000 ₄₄	>1000 ₄₅	>1000 ₁₈	272 ₄₀	264 ₄₂	75 ₂₅	3.950	1 ₁₉	108 ₁₆
Omicron/BA.2	>1000 ₂₃	504 ₂₃	794 ₁₃	>1000 ₂₉	259 ₂₈	387 ₁₆	2.1 ₂₇	641 ₂₆	8 ₂₁	2335	1.123	968 ₁₄
Omicron/BA.2.12.1	834 ₈	383 ₈	776 ₈	>1000 ₉	88 ₉	143 ₇	3 ₉	354 ₉	9.5 ₇	39 ₉	1 ₉	968 ₄
Omicron/BA.4/5	705 ₁₁	383 ₁₁	554 ₇	>1000 ₁₄	449 ₁₄	387 ₉	8.6 ₁₄	>1000 ₁₄	25 ₁₁	24 ₁₅	1.1 ₁₂	935 ₇
Omicron/BA.2.75	705 ₅	333 ₅	554 ₃	221 ₅	>1000 ₅	>1000 ₃	19 ₅	30 ₅	25 ₃	13 ₅	3.1 ₅	673 ₄

This chart from a preprint study indicates that Bebtelovimab is effective against BA.4.6:

E Therapeutic monoclonal antibodies				
Pseudovirus IC50 (ng/mL)	BA.4/5	BA.5.9 (R346I)	BA.4.8 (R346T)	Row 6
Etesevimab (LY-CoV016)	*	*	*	*
Bamlanivimab (LY-CoV555)	*	*	*	*
Bebtelovimab (LY-CoV1404)	0.8	1.3	1.0	1.4
Casirivimab (REGN10933)	*	*	*	*
Imdevimab (REGN10987)	520	2701	2195	1362
Tixagevimab (COV2-2196)	*	*	*	*
Cilgavimab (COV2-2130)	23	*	*	*
Amubarvimab (BRB-196)	7124	4023	4356	3395
Romlusevimab (BRB-198)	*	*	*	*
Sotrovimab (S309)	1055	4780	3543	2899
Adintrevimab (ADG-2)	*	*	*	*
Etesevimab+ Bamlanivimab	*	*	*	*
Casirivimab+ Imdevimab	709	3498	4388	2420
Tixagevimab+ Cilgavimab	40	*	*	*
Amubarvimab+ Romlusevimab	*	7695	8307	5209
<100 100–1,000 >1,000 * >10,000				

[Medical News Today: The Latest Omicron Subvariant: What We Know So Far about BA.2.12.1](#)

[Stanford Univ: Coronavirus Antiviral and Resistance Database](#)

[DPZ: Emerging Omicron Subvariants BA.2.12.1, BA.4, and BA.5 are Inhibited Less Efficiently by Antibodies](#)

[MedRxiv: Further Humoral Immunity Evasion of Emerging SARS-CoV-2 BA.4 and BA.5 Subvariants](#)

On February 10, 2022, the US Department of Health and Human Services announced the purchase of enough Bebtelovimab to treat 600,000 people. It began shipping nation-wide within a week.

[Public Health Emergency: State/Territory-Coordinated Weekly Distribution of COVID-19 Therapeutics](#)

On April 25, 2022, the federal government changed its allocation method to one aligned with vaccine delivery and switched to a new web page:

COVID-19 Therapeutics Threshold Determinations

April 25, 2022 – September 18, 2022

	Paxlovid (Standard and Renal)	Lagevrio (molnupiravir)	Bebtelovimab	Evusheld	Total
September 12-September 18, 2022	612,060	91,920	-	0	703,980
September 7, 2022: Bebtelovimab Final Allocation	-	-	19,500	-	19,500
September 5-September 11, 2022	612,060	91,920	-	0	703,980
August 29-September 4, 2022	613,580	92,352	0	203,736	909,668
August 22-August 28, 2022	612,060	91,920	21,915	0	725,895
August 15-August 21, 2022	612,060	91,920	29,060	0	733,040
August 8-August 14, 2022	612,060	91,896	29,110	0	733,066
August 1-August 7, 2022	612,260	92,328	29,760	203,760	938,108
July 25-July 31, 2022	610,340	91,896	29,190	0	731,426
July 18-July 24, 2022	642,695	113,368	29,250	0	785,313
July 11-July 17, 2022	596,955	114,400	29,200	0	740,555
July 4-July 10, 2022	575,715	114,856	29,210	0	719,781
June 27-July 3, 2022	590,085	114,576	28,710	201,168	934,539
June 20-June 26, 2022	579,120	109,896	28,985	0	718,001
June 13-June 19, 2022	405,084	71,664	29,060	0	505,808
June 6-June 12, 2022	444,225	92,828	29,140	240	566,433
May 30-June 5, 2022	459,638	100,820	29,630	200,808	790,896
May 23-May 29, 2022	473,106	115,960	29,100	0	618,166
May 16-May 22, 2022	463,417	105,036	29,040	0	597,493
May 9-May 15, 2022	386,965	107,208	29,110	0	523,283
May 2-May 8, 2022	348,160	108,920	29,000	199,992	686,072
April 25-May 1, 2022	386,700	177,120	30,000	0	593,820

The US delivered a final allocation of 85 doses of bebtelovimab on September 7th:

Final Allocation of Bebtelovimab

September 7, 2022

Jurisdiction	Bebtelovimab	Jurisdiction
Grand total	19,500	Missouri
Alabama	290	Montana
Alaska	50	NIH
American Samoa	20	Nebraska
Arizona	405	Nevada
Arkansas	175	New Hampshire
Bureau of Prisons	2,285	New Jersey
California	325	New Mexico
Colorado	215	New York
Connecticut	60	North Carolina
Delaware	50	North Dakota
Department of Defense	40	Northern Mariana Islands
Department of State	1,250	Ohio
District of Columbia	595	Oklahoma
Federated States of Micronesia	40	Oregon
Florida	85	Palau
		Peace Corps

Here is the most recent federal allocation of 8,717 Covid-specific treatments to Florida:

85 post-exposure Bebtelovimab (for all omicron types)

6,520 of the oral Paxlovid

2,112 of the less-effective oral Molnupiravir (Lagevrio)

None of the pre-exposure Evusheld

In total, there were enough highly effective treatments for 6,605 Covid patients delivered to the state during the week of September 5th:

COVID-19 Therapeutics Thresholds by Jurisdiction

September 5, 2022

Units = doses

Jurisdiction	Paxlovid	Paxlovid (Standard Dose Pack)	Paxlovid (Renal Dose Pack)	Lagevrio	Grand total
Grand total	612,060	567,080	44,980	91,920	703,980
Alabama	1,500	1,380	120	480	1,980
Alaska	360	360	0	72	432
American Samoa	0	0	0	0	0
Arizona	2,110	1,940	170	696	2,806
Arkansas	915	840	75	312	1,227
Bureau of Prisons	70	60	10	24	94
California	11,905	10,960	945	3,840	15,745
Colorado	1,695	1,560	135	552	2,247
Connecticut	1,130	1,040	90	360	1,490
Delaware	385	360	25	96	481
Department of Defense	1,590	1,460	130	528	2,118
Department of State	65	60	5	24	89
District of Columbia	380	360	20	72	452
Federated States of Micronesia	0	0	0	0	0
Florida	6,520	6,000	520	2,112	8,632

HHS: COVID-19 Therapeutics Thresholds, Orders, and Replenishment by Jurisdiction

As of September 4th, Florida patients had used 63% of the state's cumulative Paxlovid deliveries (+5% in 2 weeks); 20% of the Legevrio (Molnupiravir) (+2% in 2 weeks); 60% of the Bebtelovimab (+3% in 2 weeks); and 44% of the Evusheld (+4% in 2 weeks):

Cumulative COVID-19 Therapeutics Delivered and Administered Amounts by Jurisdiction

September 4, 2022

Units = doses/patient courses

Jurisdiction	Paxlovid Delivered	Paxlovid Administered	Lagevrio Delivered	Lagevrio Administered	Bebtelovimab Delivered	Bebtelovimab Administered	Evusheld Delivered	Evusheld Administered
Alabama	106,200	54,924	47,180	20,844	11,834	9,057	7,182	3,982
Alaska	22,675	9,839	8,916	2,128	4,530	2,490	2,136	781
American Samoa	4,870	1,219	488	61	890	569	240	23
Arizona	119,935	68,346	43,272	7,315	11,369	4,249	18,690	5,858
Arkansas	55,090	25,163	29,736	21,442	5,180	3,654	5,454	2,414
California	955,324	631,552	267,977	43,866	81,125	61,323	110,304	81,355
Colorado	96,470	56,544	31,660	4,936	9,055	5,618	18,002	27,417
Connecticut	94,205	61,931	32,104	7,689	8,355	5,111	7,206	4,127
Delaware	24,160	14,219	8,272	2,700	2,335	1,767	2,904	646
District of Columbia	19,115	12,243	3,580	615	1,625	359	3,006	688
Federated States of Micronesia	6,340	1,560	604	294	880	14	720	512
Florida	522,000	330,344	152,296	29,937	63,126	37,684	87,478	38,674

[FDA: Coronavirus \(COVID-19\) Update: FDA Authorizes New Monoclonal Antibody for Treatment of COVID-19 that Retains Activity Against Omicron Variant](#)

[HHS: Secretary Becerra Announces HHS Purchase of 600,000 Treatment Courses of New Monoclonal Antibody that Works Against Omicron](#)

[HHS: COVID-19 Therapeutics by Jurisdiction](#)

On July 6, 2022, the FDA granted pharmacists the authorization to prescribe Paxlovid, citing the need to begin treatment within 5 days of symptoms developing. However, the agency does recommend seeing a physician first whenever possible.

[MedPage: FDA Gives Pharmacists Thumbs Up for Paxlovid Prescribing](#)

On December 8, 2021, the FDA issued an Emergency Use Authorization (EUA) for Evusheld, a monoclonal antibody developed to protect people over the age of 12 with severe immunosuppression against infection. Due to the scarce supply, people with certain cancers or who have received organ transplants receive the highest priority.

Governor DeSantis announced the new preventative was available on December 17th, when Covid was raging through Miami-Dade County. However, the first shipments went to a small private fee-based clinic in Broward County, not to a major medical center. People flew from out of state to receive it. A spokesperson for the state claimed the iCare Clinic received priority because it was open on Christmas and New Year's Day.

Jackson Memorial, the hospital in Miami with the most transplant patients in FL, was to receive it four weeks later. Before that time, 11,000 doses had already been shipped to the state.

[FDA: FDA Authorizes New Long-Acting Monoclonal Antibodies for Pre-Exposure Prevention of COVID-19 in Certain Individuals](#)

[Governor's Office: Governor DeSantis Highlights New Preventative Monoclonal Antibody for Immunocompromised Patients](#)

[Dec 23, 2021 Florida Covid Stats: What Is Really Happening?](#)

[Stat: A Tiny Florida Company Got more of a Scarce Covid Therapy than Some Big Hospitals, Raising Equity Questions](#)

[Miami Herald: Florida Sent Scarce COVID-19 Therapy to a Private Broward Clinic before Jackson Memorial](#)

[Local 10: Jackson, UM Hospital to Receive Shipments of Monoclonal Antibody Doses for Immunodeficient Patients](#)

[Public Health Emergency: State/Territory-Coordinated Weekly Distribution of COVID-19 Therapeutics](#)

Evusheld is a combination of tixagevimab and cilgavimab. It appears to remain effective against BA.4 and BA.5 but at a much higher dosage. On June 29th, the FDA revised the dosage of each component of Evusheld and recommended repeating the shots every 6 months.

Unfortunately, it does not work against the rapidly increasing BA.4.6 and several other subvariants which derive from BA.4 and BA.5. Currently BA.4.6 accounts for 12% of samples in the region which includes Florida:

Table 1: Virus variants and spike mutations vs monoclonal antibodies

Fold reduced neutralizing susceptibility to monoclonal antibodies under Emergency Use Authorization (EUA)

	Test\mAb	BAM	ETE	BAM/ETE	CAS	IMD	CAS/IMD	CIL	TIX	CIL/TIX	SOT	BEB	ADI
Alpha	1 ₂₂	11 ₁₉		1.3 ₉	1 ₃₁	0.6 ₃₂	0.9 ₁₄	0.6 ₁₃	1.5 ₁₃	0.9 ₁₂	2 ₂₆	0.9 ₆	1.3 ₆
Beta	>1000 ₂₇	474 ₂₄		990 ₁₂	76 ₃₇	0.6 ₃₇	1.6 ₁₉	1.1 ₁₃	5.8 ₁₅	2 ₁₃	1.0 ₂₈	1 ₇	2.8 ₆
Gamma	>1000 ₁₆	348 ₁₆		404 ₄	124 ₂₄	0.4 ₂₄	1 ₉	0.5 ₁₁	3.7 ₁₁	0.9 ₈	1 ₂₁	1 ₅	2.2 ₆
Delta	>1000 ₂₃	0.4 ₂₃		1 ₉	0.7 ₃₀	2 ₃₁	1.5 ₁₂	2.5 ₁₂	1 ₁₃	1 ₁₃	1.3 ₂₃	1 ₁₁	1.5 ₆
Omicron/BA.1	>1000 ₃₇	428 ₃₇		887 ₁₄	>1000 ₄₄	>1000 ₄₅	>1000 ₁₈	272 ₄₀	264 ₄₂	75 ₂₅	3.9 ₅₀	1 ₁₉	108 ₁₆
Omicron/BA.2	>1000 ₂₃	504 ₂₃		794 ₁₃	>1000 ₂₉	259 ₂₈	387 ₁₆	2.1 ₂₇	641 ₂₆	8 ₂₁	23 ₃₅	1.1 ₂₃	968 ₁₄
Omicron/BA.2.12.1	834 ₈	383 ₈		776 ₆	>1000 ₉	88 ₉	143 ₇	3 ₉	354 ₉	9.5 ₇	39 ₉	1 ₉	968 ₄
Omicron/BA.4/5	705 ₁₁	383 ₁₁		554 ₇	>1000 ₁₄	449 ₁₄	387 ₉	8.6 ₁₄	>1000 ₁₄	25 ₁₁	24 ₁₅	1.1 ₁₂	935 ₇
Omicron/BA.2.75	705 ₅	333 ₅		554 ₃	221 ₅	>1000 ₅	>1000 ₃	19 ₅	30 ₅	25 ₃	13 ₅	3.1 ₅	673 ₄

E Therapeutic monoclonal antibodies				
Pseudovirus IC50 (ng/mL)	BA.4/5	BA.5.9 (R346I)	BA.4.8 (R346T)	BA.5 (R346K)
Etesevimab (LY-CoV16)	*	*	*	*
Bamlanivimab (LY-CoV555)	*	*	*	*
Bebtelovimab (LY-CoV1404)	0.8	1.3	1.0	1.4
Casirivimab (REGN10933)	*	*	*	*
Imdevimab (REGN10987)	520	2701	2195	1362
Tixagevimab (COV2-2196)	*	*	*	*
Cilgavimab (COV2-2130)	23	*	*	*
Amubarvimab (BRB-196)	7124	4023	4356	3395
Romlusevimab (BRB-198)	*	*	*	*
Sotrovimab (S309)	1055	4780	3543	2899
Adintrevimab (ADG-2)	*	*	*	*
Etesevimab+ Bamlanivimab	*	*	*	*
Casirivimab+ Imdevimab	709	3498	4388	2420
Tixagevimab+ Cilgavimab	40	*	*	*
Amubarvimab+ Romlusevimab	*	7695	8307	5209

<100 100–1,000 >1,000 * >10,000

[MedRxiv: Further Antibody Escape by Omicron BA.4 and BA.5 from Vaccine and BA.1 Serum](#)

[Stanford Univ: Coronavirus Antiviral and Resistance Database](#)

[FDA: FDA Authorizes Revisions to Evusheld Dosing](#)

[MedRxiv: Further Humoral Immunity Evasion of Emerging SARS-CoV-2 BA.4 and BA.5 Subvariants](#)

Florida received a monthly allocation of 12,336 doses of Evusheld on August 29th:

COVID-19 Therapeutics Thresholds by Jurisdiction

August 29, 2022

Units = doses

Jurisdiction	Paxlovid	Paxlovid (Standard Dose Pack)	Paxlovid (Renal Dose Pack)	Lagevrio	Evusheld	Grand total
Grand total	613,580	568,400	45,180	92,352	203,736	909,668
Alabama	1,500	1,380	120	480	2,832	4,812
Alaska	440	360	80	72	432	944
American Samoa	240	220	20	48	48	336
Arizona	2,110	1,940	170	696	3,984	6,790
Arkansas	915	840	75	312	1,728	2,955
Bureau of Prisons	70	60	10	24	144	238
California	11,905	10,960	945	3,840	22,560	38,305
Colorado	1,695	1,560	135	552	3,216	5,463
Connecticut	1,130	1,040	90	360	2,136	3,626
Delaware	385	360	25	96	576	1,057
Department of Defense	1,590	1,460	130	528	3,000	5,118
Department of State	65	60	5	24	120	209
District of Columbia	380	360	20	72	432	884
Federated States of Micronesia	240	220	20	48	48	336
Florida	6,520	6,000	520	2,112	12,336	20,968

HHS: COVID-19 Therapeutics by Jurisdiction

Covid Hospitalizations in Florida:

You won't find **any** hospitalization information on Florida's Weekly Surveillance Reports. Florida stopped reporting Covid hospitalizations on June 4, 2021. However, Florida must relay all hospitalization data to the US Department of Health and Human Services (HHS).

Florida reported a record 13,028 hospitalizations for Covid-19 on August 24, 2021, to the US Department of Health and Human Services.

COVID Data Tracker: New Admissions of Patients with Confirmed COVID-19 per 100,000 Population by Age Group

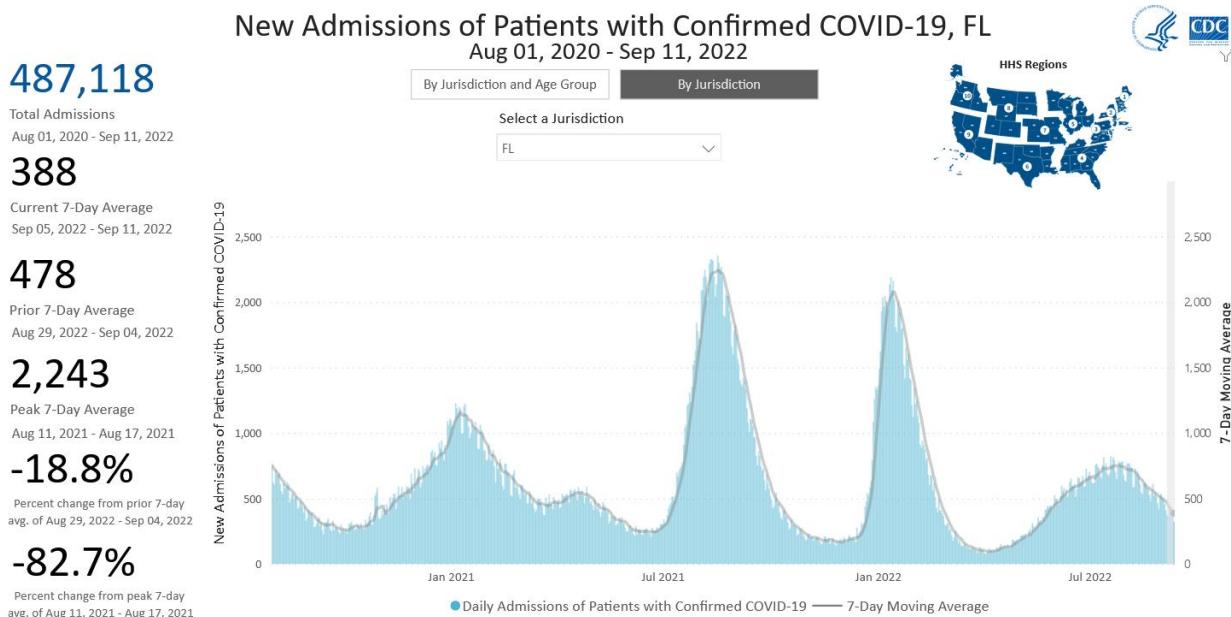
Since the omicron variants became predominant, hospital officials are seeing more incidental Covid cases among people who are in the hospital. Roughly one-third are admitted for a primary diagnosis of Covid; one-third for a Covid infection making an underlying condition worse; and one-third for reasons unrelated to their viral infection.

WaPo: In the Nation's Hospitals, this Covid Wave Is Different

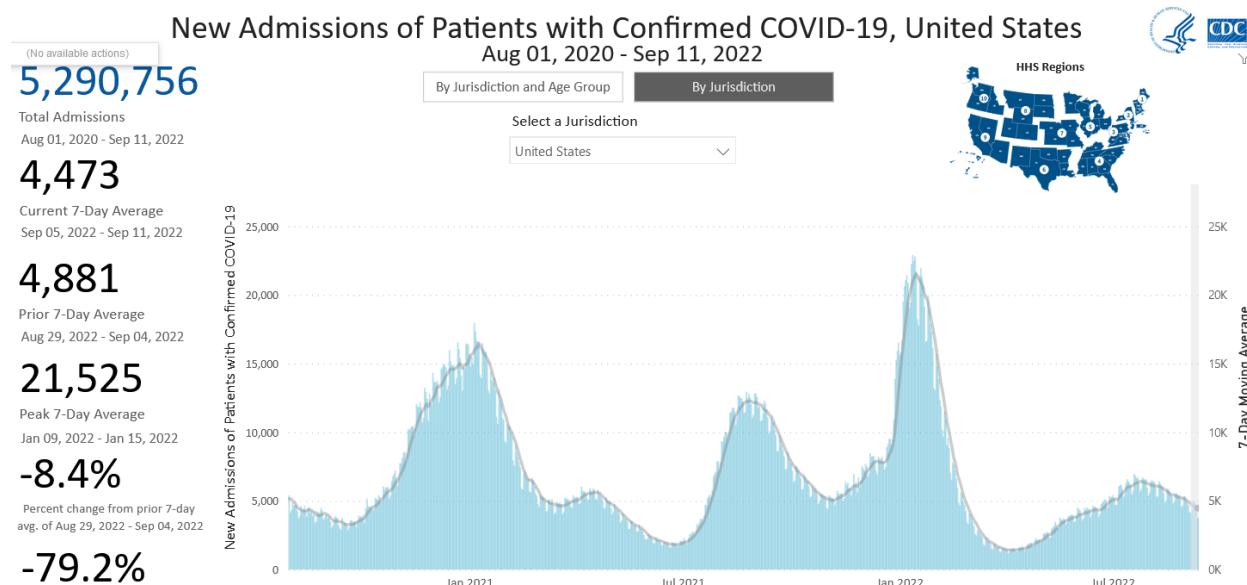
[MedPage: When COVID Pushes Other Conditions Past the “Tipping Point”—Is the Patient Hospitalized “for” COVID, “with” COVID, or Somewhere in Between?](#)

For August 1, 2020–September 8, 2022, Florida has had 486,266 new hospital admissions for Covid patients. This represents 9.2% of *all* Covid admissions for 6.6% of the US population.

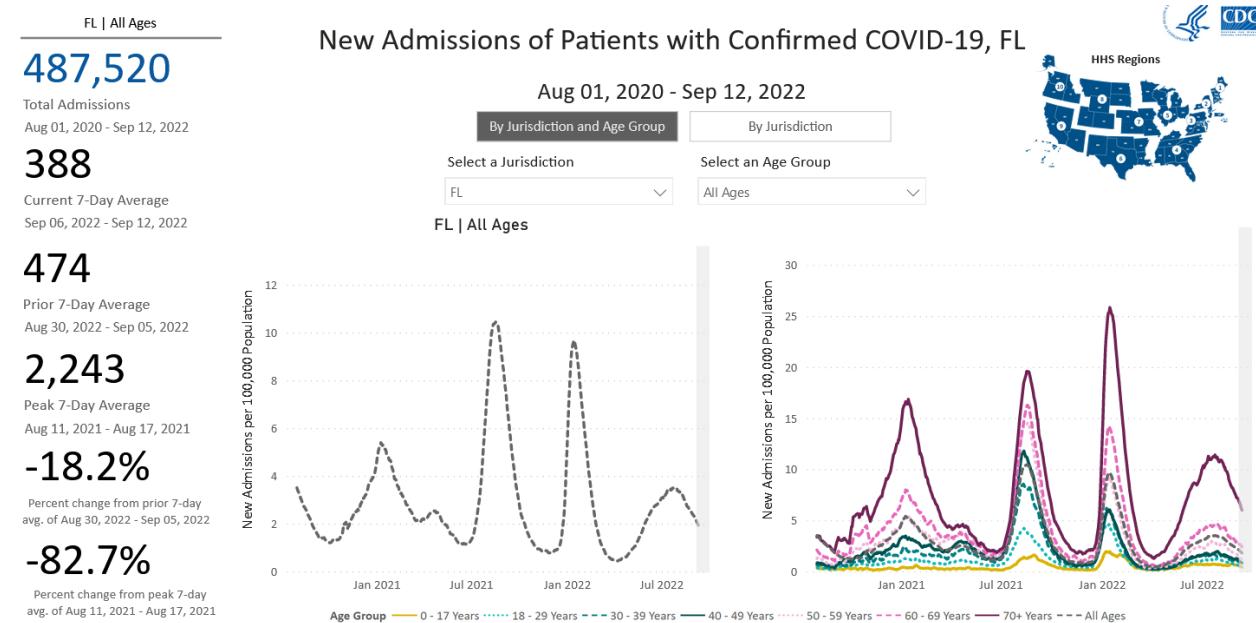
During September 2–8, 2022, there was an average of 424 admissions per day, a total of 2,966. That was a decrease of 15% from the previous week (3,489; 498/day). Nevertheless, that was 82% fewer compared to the peak during August 11–17, 2021, when there were 10.42 admissions/100,000 Floridians:



Here is that information for the entire US. I have subtracted admissions from September 9–11 from the total in my calculations:



You can find more detailed hospitalization statistics on the same CDC COVID Data Tracker, choosing Florida as the Jurisdiction and stratifying by any age:



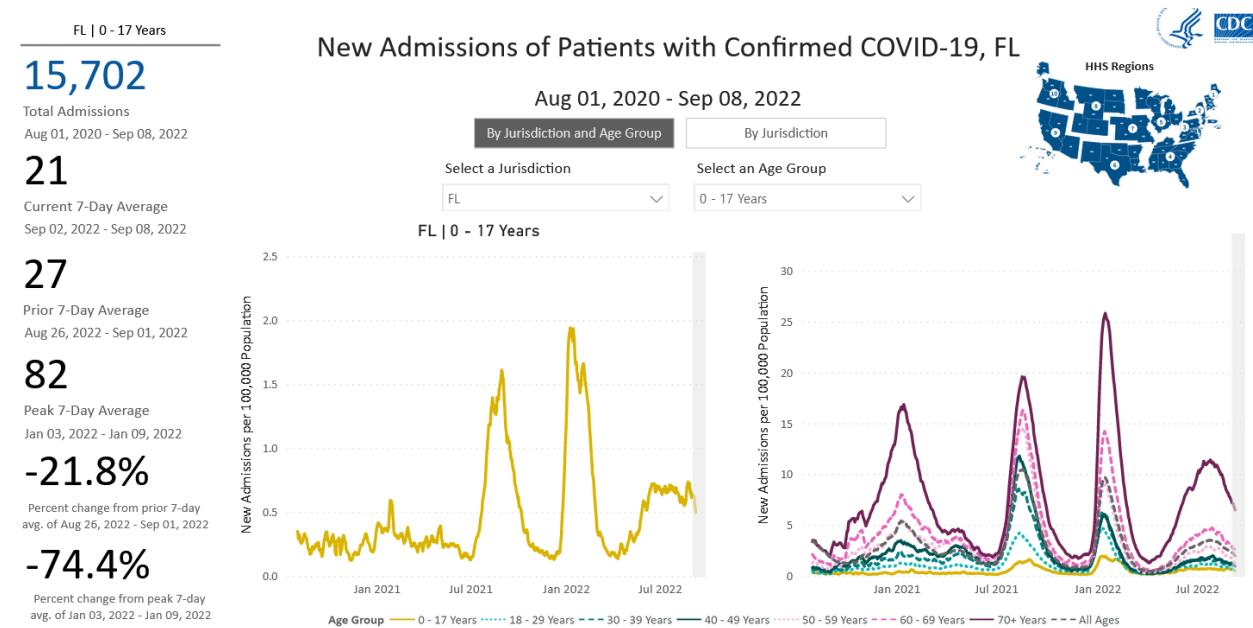
On September 8, 2022, the rate of hospitalization admissions rose with increasing age. The amount of change this week ranged from -6% (ages 60–69) to -25% (40–49). Pediatric admissions declined by 21%.

Compared to the delta variant wave we encountered in 2021, omicron admissions have been higher for people younger than 30 and older than 69.

On September 8th, there were 2.02 new admissions/100,000 Floridians; 2.34 the week before:

AGE	ADMISSIONS	% CHANGE
0–17	0.50	-21
18–29	0.54	-18
30–39	0.94	-21
40–49	0.95	-25
50–59	1.35	-23
60–69	2.69	-6
70+	<u>6.68</u>	<u>-10</u>
all	2.02	-14

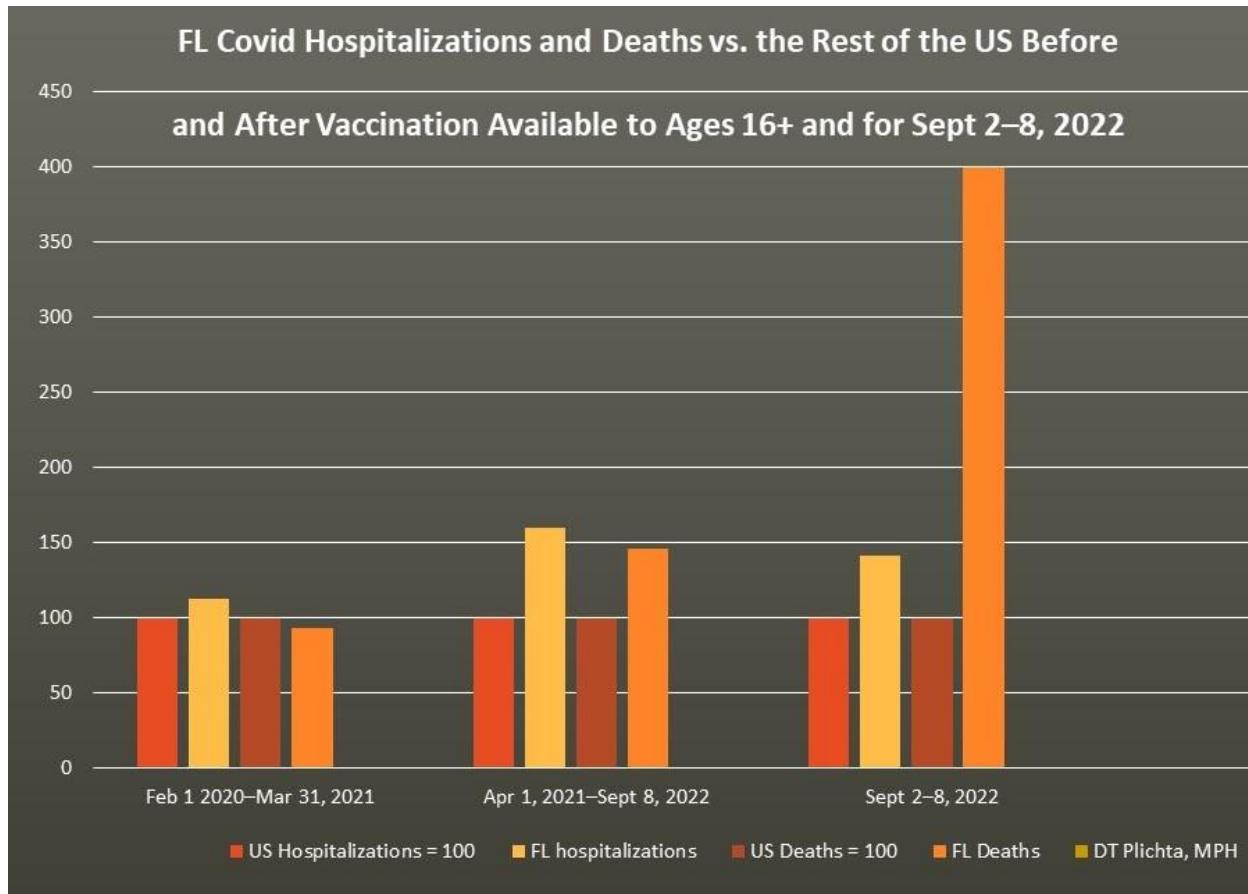
Since August 2020, 15,702 minors have required hospitalization for Covid in Florida, with 332 of those in the last two weeks:



[COVID Data Tracker: New Admissions of Patients with Confirmed COVID-19 per 100,000 Population by Age Group](#)

[Aug 25, 2022 Florida Covid Stats: What Is Really Happening?](#)

Since everyone 16+ became eligible for vaccination on April 1, 2021, people in Florida were 60% more likely to require Covid hospitalization than people in the rest of the US. For September 2–8, 2022, that elevated risk was 41%:



[Risk of Hospitalization and Death in Florida vs. the Rest of the US Before and After 16+ Vaccination and During September 2–8, 2022](#)

Dr. Salemi is now publishing the hospitalization rankings for every state and Washington DC for each age group over time. On September 8th, Florida rose from 4th to 3rd worst in the nation for adult Covid admissions. During June 2–August 16, 2022, there were only 4 days that the state did not rank last. In the last 2 weeks, Florida has improved significantly to 9th worst for adult hospitalizations; and 17th worst for adult ICU patients. Pediatric admissions improved to 10th worst, and pediatric hospitalizations are at the national average:

State Rankings on Reported Hospitalizations for Confirmed COVID-19 Per Capita

Rankings from 1 (best/lowest) to 51 (worst/highest)

Can restrict to any states desired; Presented from most-to-least current date

State Name		9/8/2022	9/7/2022	9/6/2022	9/5/2022	9/4/2022	9/3/2022	9/2/2022	9/1/2022	8/31/2022	8/30/2022	8/29/2022	8/28/2022	8/27/2022	8/26/2022	8/25/2022	8/24/2022	8/23/2022	8/22/2022
Florida		ICU Census All adults	35	36	37	37	40	41	39	36	36	41	43	39	44	41	44	44	45
Census All adults		43	44	46	45	45	45	46	47	46	47	46	47	47	48	48	48	48	48
Census All Kids		26	27	38	39	41	40	43	39	35	37	38	34	35	37	38	38	43	43
Admits All adults		49	49	49	49	49	48	48	48	48	48	48	48	48	48	48	50	50	50
Admits All kids		41	45	43	49	45	46	44	44	43	45	43	43	45	48	49	48	49	49
Admits 18-19		30	27	32	41	40	31	36	41	40	38	33	31	24	28	30	29	33	33
Admits 20-29		36	37	40	38	40	41	42	35	36	37	41	47	43	44	48	49	47	48
Admits 30-39		46	45	49	50	48	47	49	50	49	45	39	41	38	42	41	46	46	49
Admits 40-49		40	43	46	47	47	48	46	48	46	46	44	45	44	45	45	43	45	45
Admits 50-59		36	40	43	46	47	47	46	45	45	45	43	44	45	44	46	46	47	46
Admits 60-69		46	44	44	43	43	43	44	44	44	44	44	45	44	45	47	45	43	44
Admits 70-79		37	38	38	35	35	35	37	39	39	39	40	40	42	43	41	42	39	39
Admits 80+		40	40	38	38	41	41	37	36	36	40	37	38	39	44	45	45	44	46

August 22–September 8, 2022**State Rankings on Reported Hospitalizations for Confirmed COVID-19 Per Capita**

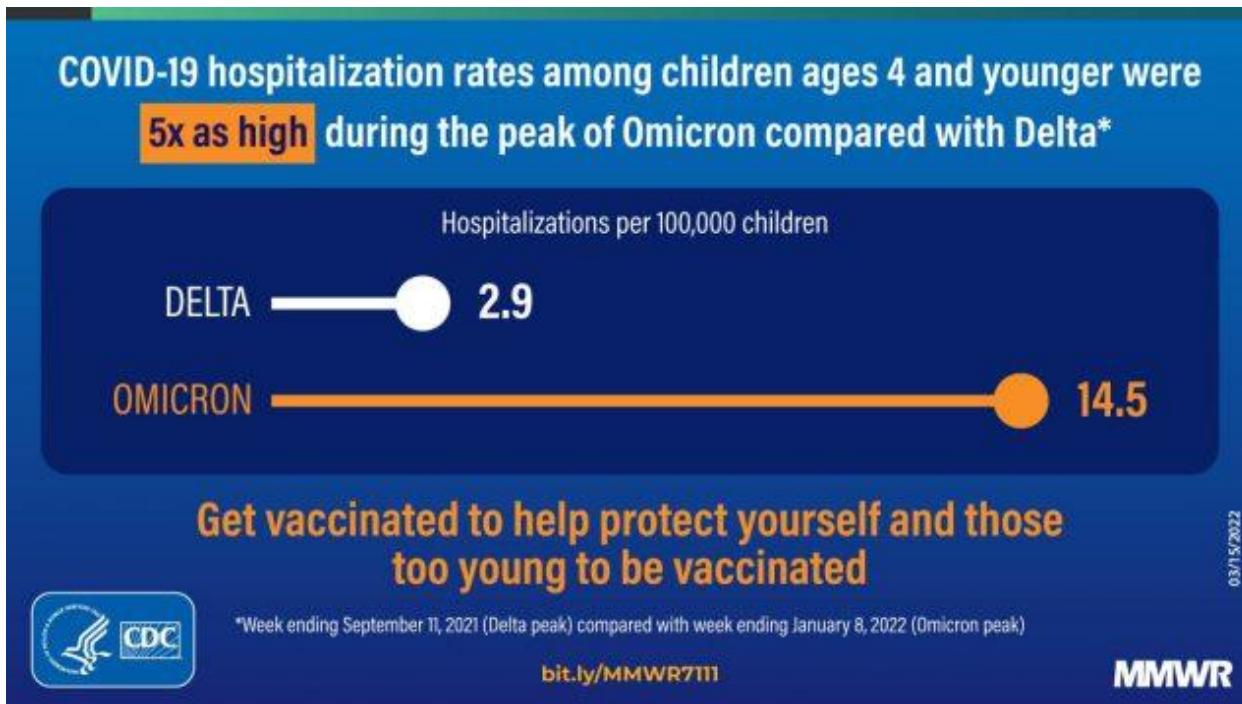
Rankings from 1 (best/lowest) to 51 (worst/highest)

Can restrict to any states desired; Presented from most-to-least current date

State Name		8/25/2022	8/24/2022	8/23/2022	8/22/2022	8/21/2022	8/20/2022	8/19/2022	8/18/2022	8/17/2022	8/16/2022	8/15/2022	8/14/2022	8/13/2022	8/12/2022	8/11/2022	8/10/2022	8/9/2022	8/8/2022
Florida		ICU Census All adults	44	44	44	45	46	45	43	44	47	45	45	45	46	48	49	49	49
Census All adults		48	48	48	48	48	48	48	49	49	49	49	49	49	49	49	49	49	49
Census All Kids		37	37	43	43	41	35	41	33	31	26	22	31	36	34	36	40	37	40
Admits All adults		48	50	50	50	50	50	50	50	50	51	51	51	50	51	51	51	51	51
Admits All kids		49	49	49	49	49	49	49	49	46	48	48	48	48	48	48	49	48	49
Admits 18-19		27	29	33	33	36	40	40	39	42	40	41	40	40	40	41	41	41	41
Admits 20-29		48	49	47	48	48	48	47	46	42	44	45	45	44	43	45	43	42	44
Admits 30-39		45	46	46	49	48	48	45	44	42	43	44	44	44	46	47	48	49	49
Admits 40-49		44	43	44	45	45	44	45	47	46	43	46	46	48	48	48	49	49	49
Admits 50-59		43	46	46	44	44	44	45	46	46	46	46	48	49	48	48	48	48	48
Admits 60-69		46	45	43	44	45	45	46	46	48	49	49	49	48	48	50	49	49	49
Admits 70-79		42	42	40	39	41	41	38	42	44	42	41	41	42	43	43	43	45	45
Admits 80+		45	45	44	45	46	46	48	47	48	47	49	48	44	44	46	45	46	46

August 8–25, 2022[Salemi USF: COVID-19 Hospitalizations in Florida](#)[Florida Covid Statistics: What is Really Happening?](#)

Children <4 years old in the US were 5x as likely to need hospital care during the first omicron wave than during delta. When Florida officials refused to preorder vaccines for young children, the state was the 2nd worst in the US for pediatric admissions:



State Rankings on Reported Hospitalizations for Confirmed COVID-19 Per Capita

Rankings from 1 (best/lowest) to 51 (worst/highest)

Can restrict to any states desired; Presented from most-to-least current date

State Name		6/30/2022	6/29/2022	6/28/2022	6/27/2022	6/26/2022	6/25/2022	6/24/2022	6/23/2022	6/22/2022	6/21/2022	6/20/2022	6/19/2022	6/18/2022	6/17/2022	6/16/2022	6/15/2022	6/14/2022	6/13/2022	...	
Florida	ICU Census All adults	48	48	49	48	48	48	50	50	50	49	48	49	49	49	49	50	50	49	50	4
	Census All adults	50	50	49	50	49	50	50	50	50	50	50	49	49	49	50	49	50	49	49	4
	Census All Kids	42	42	42	46	44	40	39	43	41	44	45	45	44	44	45	44	46	44	44	4
	Admits All adults	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	5
	Admits All kids	49	48	49	49	49	49	48	49	49	49	49	49	49	49	49	50	50	50	50	5
	Admits 18-19	45	44	46	46	45	46	44	47	47	45	45	45	45	45	45	38	41	38	39	4
	Admits 20-29	48	47	47	48	49	49	50	49	49	49	48	48	48	48	46	47	47	48	47	4
	Admits 30-39	49	49	50	50	50	50	50	50	51	51	51	51	51	51	51	50	49	49	49	4
	Admits 40-49	49	50	50	50	50	50	50	50	51	51	51	51	51	51	50	49	49	50	50	5
	Admits 50-59	50	50	49	49	50	49	49	49	50	50	50	50	50	51	51	50	49	48	48	4
	Admits 60-69	50	51	51	50	50	48	48	49	48	49	49	48	47	47	47	49	48	47	48	4
	Admits 70-79	45	45	45	47	46	46	47	46	47	47	47	48	51	49	50	49	48	48	47	4
	Admits 80+	48	49	48	48	47	48	48	49	48	47	49	50	50	49	50	50	49	47	47	4

June 13–30, 2022

[MMWR: Hospitalization of Infants and Children Aged 0–4 Years with Laboratory-Confirmed COVID-19—COVID-NET, 14 States, March 2020–February 2022](#)

[June 30, 2022 Florida Covid Stats: What Is Really Happening?](#)

After ten weeks of the worst adult admissions ranking in the nation, Florida improved to 2nd worst during August 4–18, 2022. Until then, the number of patients had risen steadily. On September 8th, the ranking is up slightly to 3rd worst. There were 413 adult admissions per day (-14%).

On September 8, 2022, 2,554 adult Covid patients were hospitalized (-7%). Adult hospitalizations improved to 9th worst. Eleven percent of hospitalized adults needed ICU care, falling by 7% to 292 and ranking 17th worst in the US.

Pediatric Covid hospitalizations are 37% lower on September 8th than a week earlier, with 54 children in the hospital. There were 20 pediatric admissions on that day (-26%), improving Florida's pediatric admissions rank to 11th worst. Until the August 11th report, it had been no better than 3rd for at least 18 weeks. One in 22 admissions are for children, down from 1 in 4 on April 20th:

FLORIDA: PAST 8 WEEKS "CURRENT COVID-19 HOSPITALIZATIONS" AND NEW DAILY COVID-19 ADMISSIONS										
	Adults in ICU	Rank	Adults hospitalized	Rank	Children hospitalized	Rank	New adult admits daily	Rank	New pediatric admits daily	Rank
21-Jul	482	48	4,148	49	99	39	731	51	49	49
28-Jul	463	43	4,200	50	85	38	731	51	48	49
4-Aug	493	50	4,216	50	83	36	701	51	49	49
11-Aug	483	49	3,905	49	78	36	666	50	49	48
18-Aug	429	45	3,461	49	74	33	586	50	47	46
25-Aug	379	41	3,139	48	84	38	524	48	45	49
1-Sep	314	36	2,755	47	86	39	479	48	27	44
8-Sep	292	35	2,554	43	54	26	413	49	20	41

*Only includes hospitalizations classified as 'confirmed' (does not include suspected)

* State ranks go from 1 (lowest/best) to 51 (highest/worst)

updated 9/8/22

@JasonSalemi

FLORIDA: PAST 8 WEEKS "CURRENT COVID-19 HOSPITALIZATIONS" AND NEW DAILY COVID-19 ADMISSIONS										
	Adults in ICU	Rank	Adults hospitalized	Rank	Children hospitalized	Rank	New adult admits daily	Rank	New pediatric admits daily	Rank
2-Jun	232	40	2,440	45	62	38	438	50	46	49
9-Jun	284	48	2,823	47	69	43	506	51	46	50
16-Jun	364	50	3,151	50	84	45	558	51	50	50
23-Jun	322	50	3,283	50	72	43	589	51	48	49
30-Jun	406	49	3,414	49	65	36	629	51	49	49
7-Jul	422	49	3,742	49	69	36	661	51	49	49
14-Jul	432	44	4,083	49	84	36	715	51	49	49
21-Jul	475	46	4,165	49	104	38	724	51	44	49

*Only includes hospitalizations classified as 'confirmed' (does not include suspected)

* State ranks go from 1 (lowest/best) to 51 (highest/worst)

updated 7/21/22

@JasonSalemi

FLORIDA: PAST 8 WEEKS "CURRENT COVID-19 HOSPITALIZATIONS" AND NEW DAILY COVID-19 ADMISSIONS										
	Adults in ICU	Rank	Adults hospitalized	Rank	Children hospitalized	Rank	New adult admits daily	Rank	New pediatric admits daily	Rank
Apr 20	88	27	730	32	16	24	126	41	32	50
Apr 27	87	21	870	32	23	31	145	36	33	49
May 04	109	27	1,029	35	31	30	183	36	38	49
May 11	156	36	1,217	33	31	28	225	38	36	48
May 18	168	31	1,602	35	36	30	282	37	40	49
May 25	216	40	1,960	41	56	39	345	43	42	49
Jun 01	229	42	2,421	45	58	39	430	49	46	49
Jun 08	260	45	2,712	48	59	40	502	50	40	50

*Only includes hospitalizations classified as 'confirmed' (does not include suspected)

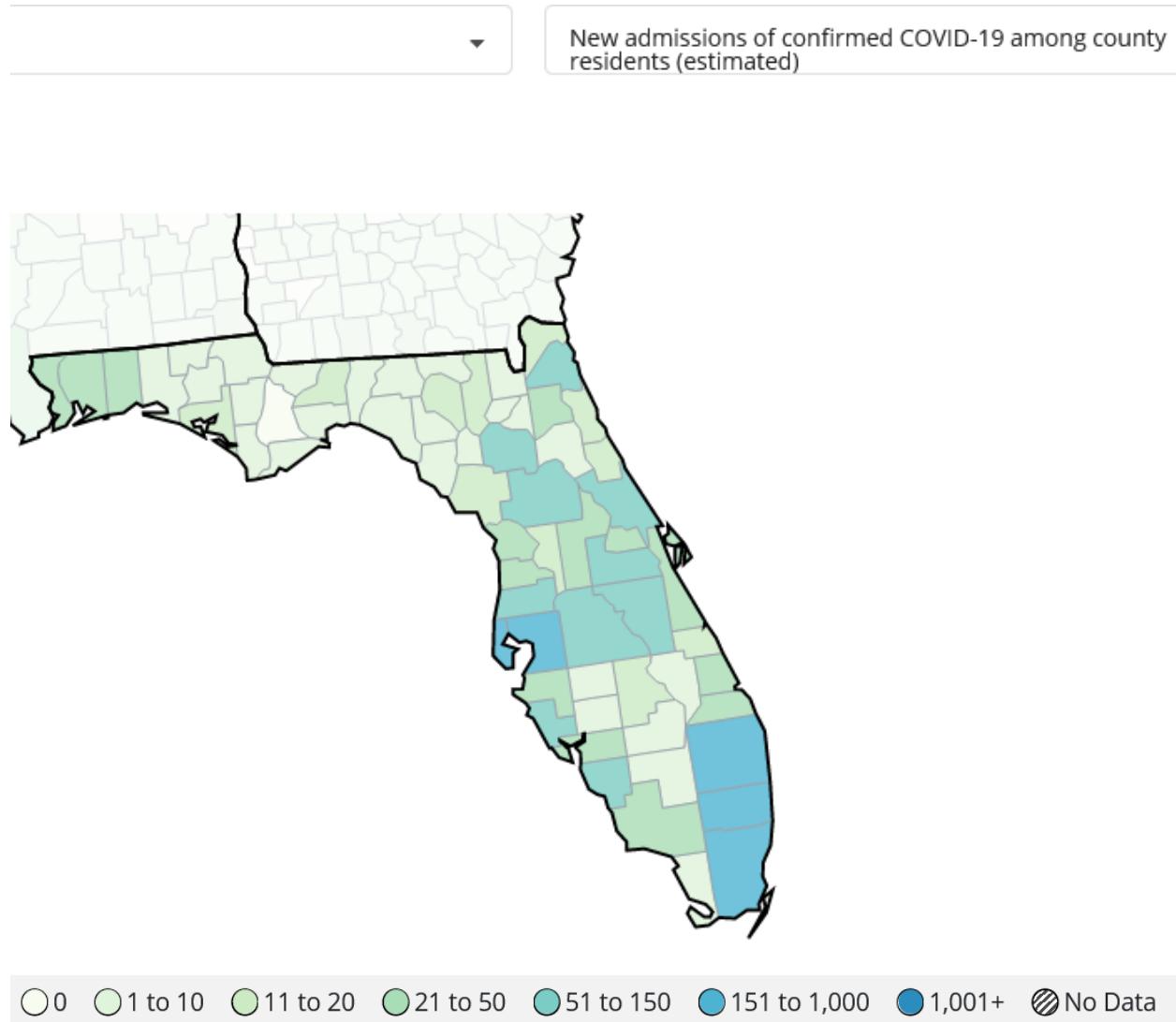
* State ranks go from 1 (lowest/best) to 51 (highest/worst)

updated 6/8/22

@JasonSalemi

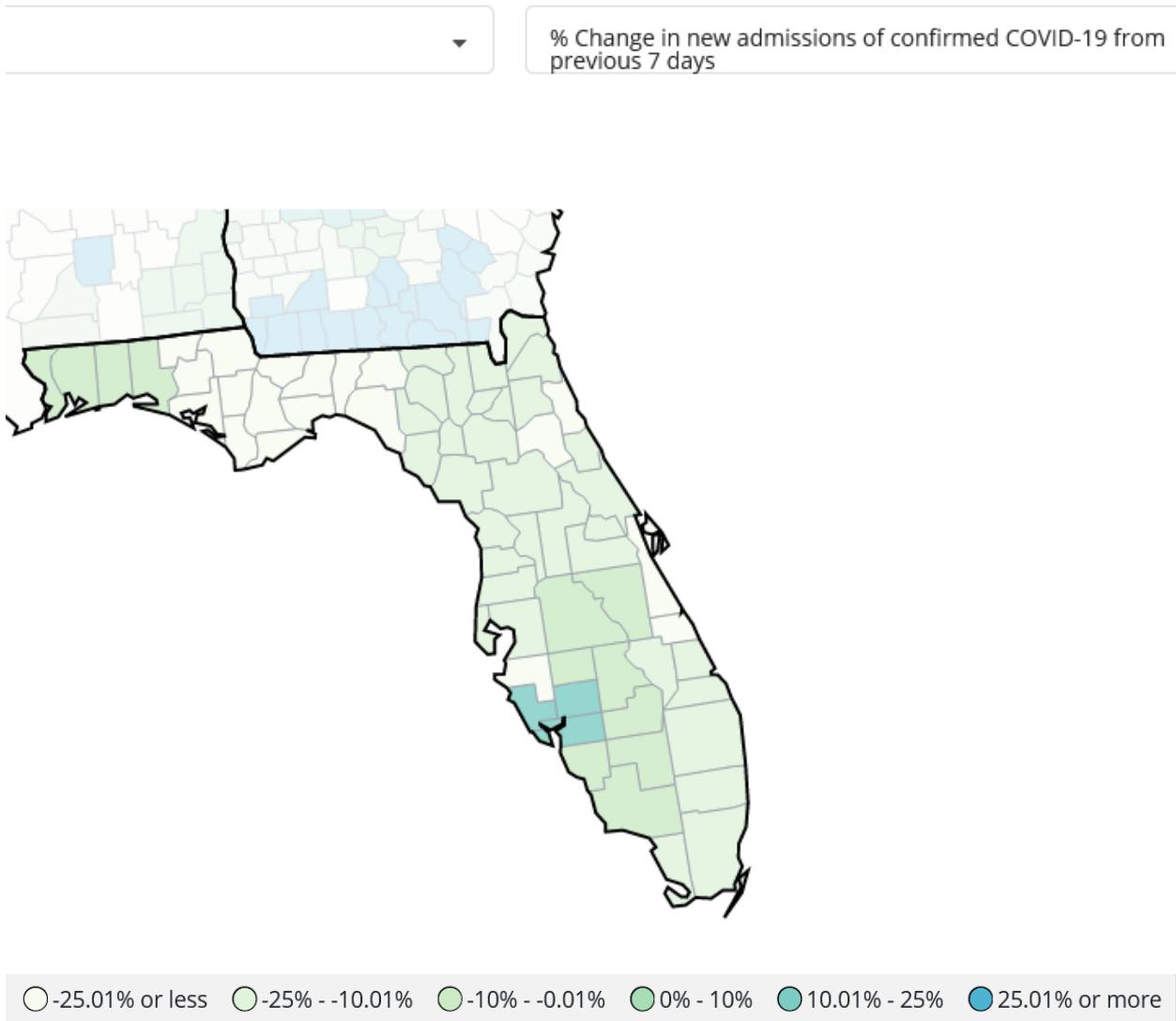
[Salemi USF: COVID-19 Hospitalizations in Florida](#)[July 21, 2022 Florida Covid Stats: What Is Really Happening?](#)[April 22, 2022 Florida Covid Stats: What Is Really Happening?](#)

Here is the most recent county-level data from the CDC. You can click on their web site's map to see specific information for each county. On September 12th, Orange County—where Disney is located—had 135 new hospital admissions in the last 7 days (-23%). Miami-Dade had 309 (-23%); Broward had 222 (-23%); Palm Beach had 216 (-12%); and Hillsborough had 240 (-21%):



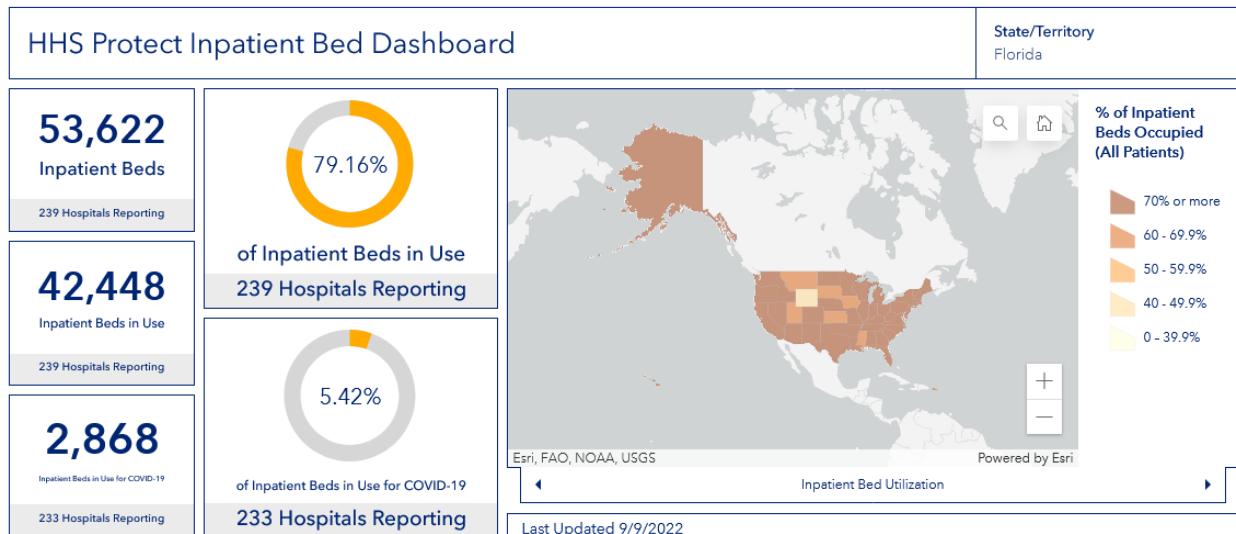
[CDC: Florida Confirmed COVID-19 New Hospital Admissions by County](#)

This is the percentage of change in hospital admissions by county as of September 12th. The locations with the largest increases are in Southwest:

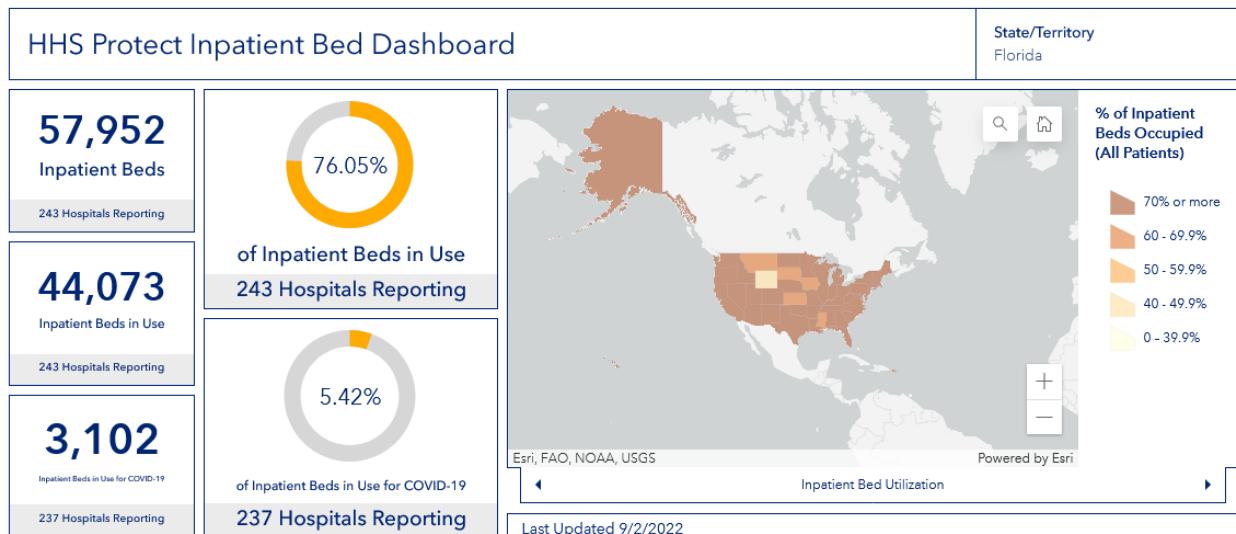


CDC: Percent Change in Hospital Admissions by County

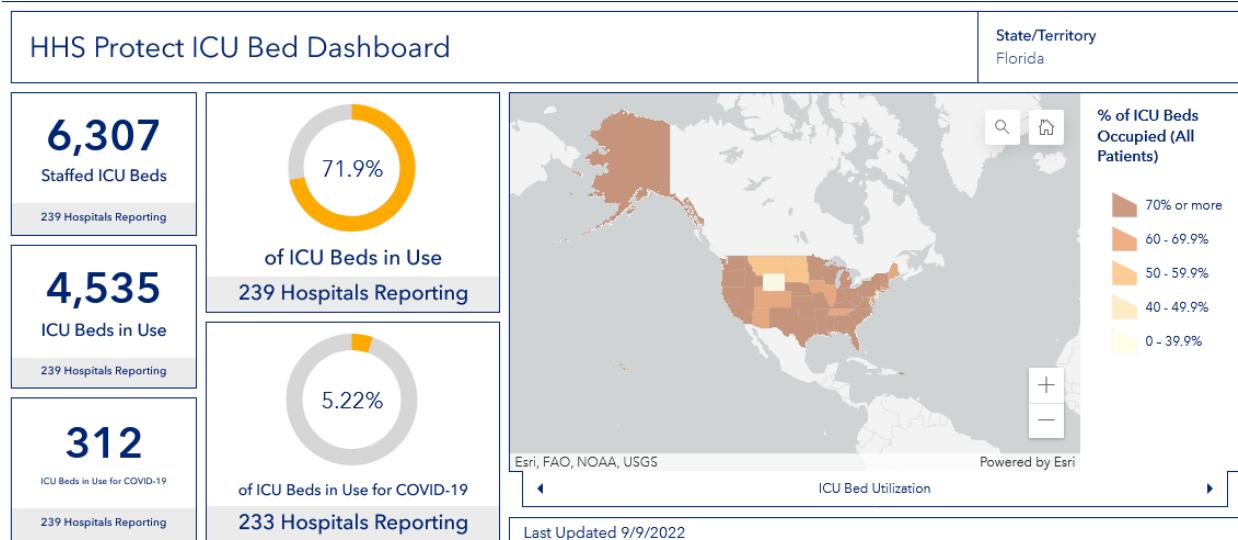
HHS tracks Hospital Utilization. On August 9th, 79% of hospital beds in Florida were full (76% a week earlier). Covid patients accounted for 2,868 of them (5.4% of utilized beds, unchanged). On September 2nd, there were 3,102 Covid patients, so this is a drop of 8%:



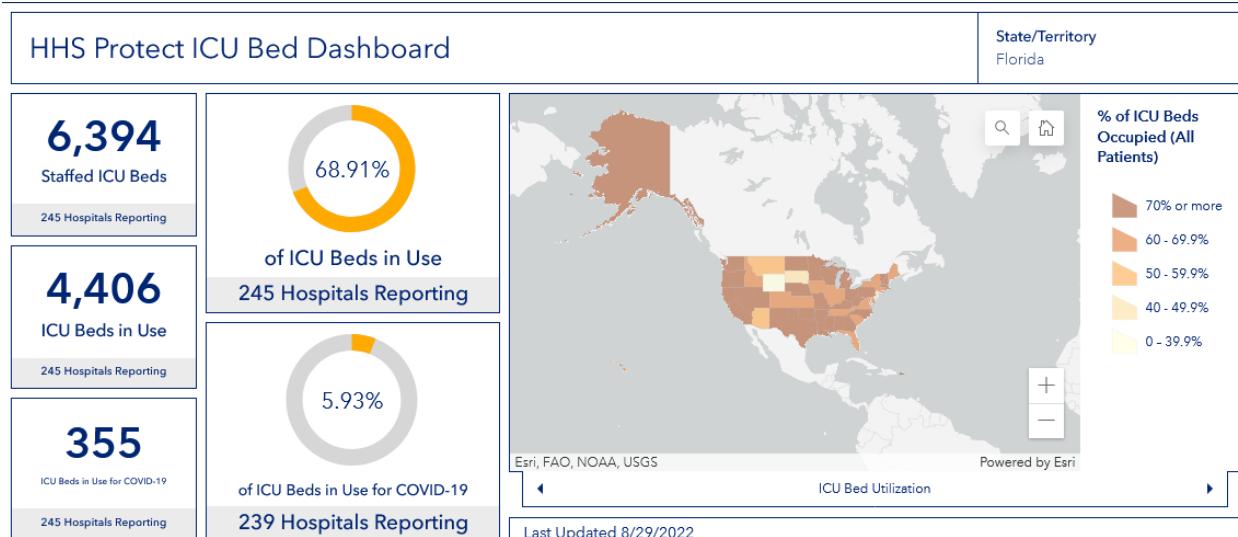
Here are the figures for one week earlier:



On September 9th, 5.2% of ICU beds were used by 312 Covid patients. Overall, 72% of ICU beds are occupied in the state:



Unfortunately, I failed to save the ICU data from September 2nd. On August 29th, there were 355 patients occupying 5.9% of available ICU beds:



HHS: Hospital Utilization by State

Aug 25, 2022 Florida Covid Stats: What Is Really Happening?

Many hospitals are publishing their own occupancy statistics. For example, Tampa General Hospital released this on September 9th:

- There were 46 Covid-19 admissions, down from 58 two weeks earlier
- 12 Covid patients were in their ICU, up from 9 two weeks earlier

Tampa General Hospital Updates

| Hospital Bed Availability for COVID-19 Patients

Updated: September 9, 2022 at 7:49 AM

Available

[46] COVID-19 Admissions

[12] ICU Beds in Use for COVID-19 Patients

[Tampa General: Hospital Bed Availability for COVID-19 Patients](#)

[Aug 25, 2022 Florida Covid Stats: What Is Really Happening?](#)

Archived posts on Florida Covid statistics are available here:

[Florida Covid Statistics: What is Really Happening?](#)