



COVID-19 Update: Fairbanks Rotary

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Sept. 7, 2021



COVID-19 Statewide Dashboard

Sept. 7, 2021

Alert Level for Alaska

High

Rate > 100 per 100,000

Total Resident Cases

88,658

Since March, 2020

New Resident Cases

432

On Sep 06

Increase in Cases by

17%

From Last Week

Hospitalizations

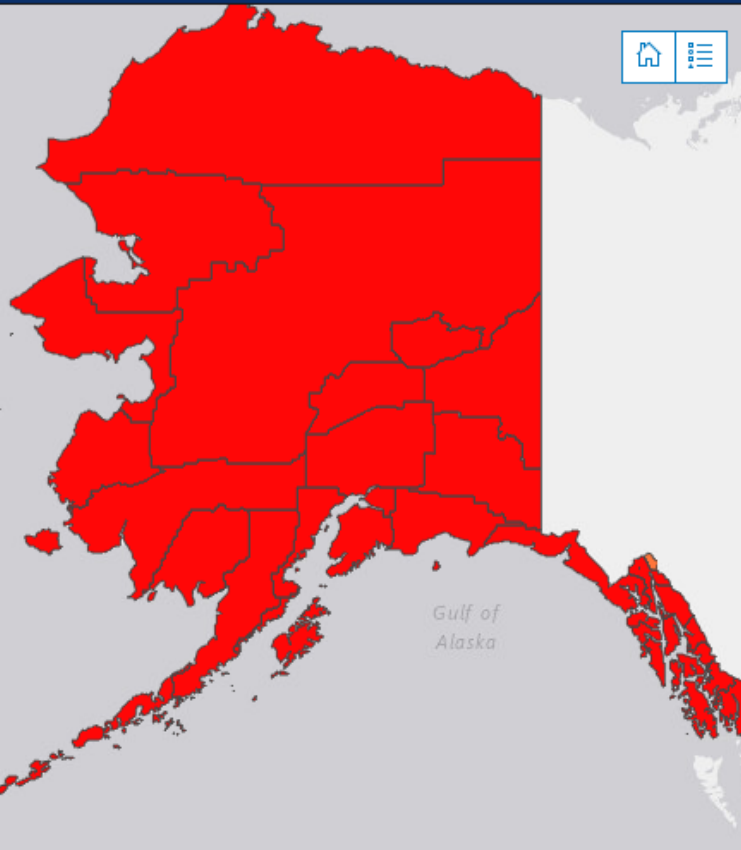
2,059

Total Resident Deaths

437

The current statewide alert level – based on the reported number of cases per 100,000 people over the past 7 days – is high (red) at

558



Fairbanks North Star Borough Cases

Sept. 7, 2021

Alert Levels by Borough/Census Area



Esri, HERE, Garmin, USGS, EPA, NPS | Esri, HERE, NPS

Powered by Esri

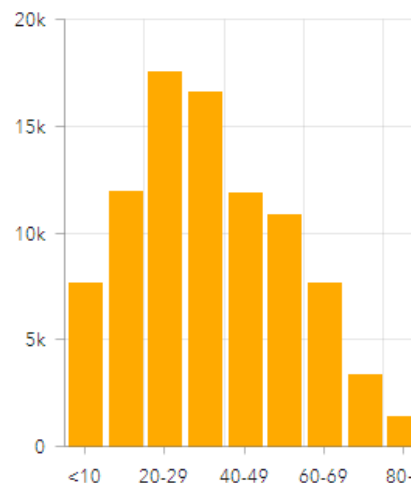
Alert levels are calculated from the total number of new reported cases per 100,000 persons in the past 7 days in each borough/census area.

Alert Levels

Alert Level Descriptions

Statewide 14-Day Case Count

Statewide Resident Cases by Age Group



Age

Gender

Race

Ethnicity

Total Cases

9,454

New Cases Yesterday

27

Updated M-F by Noon

Hospitalizations

2,059

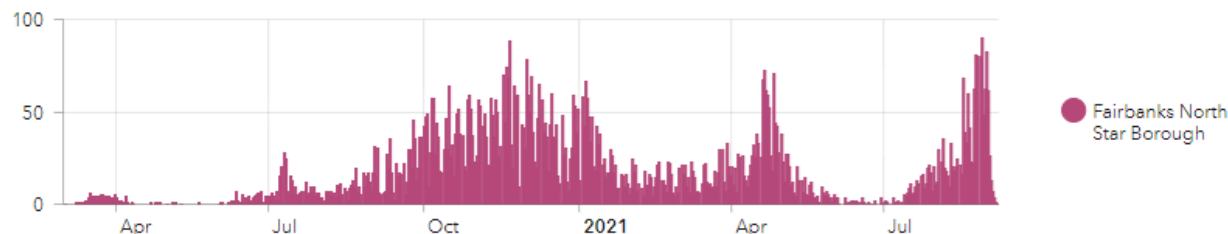
Cannot be filtered by date, does not reflect current stays

Total Deaths

48

Cannot be filtered by date

COVID-19 Cases by Symptom Onset Date*



*Includes "confirmed" and "probable". Missing onset dates are substituted with report, hospitalization, or specimen collection date (whichever is earlier); dates will change with confirmed onset date.

Report Date

Onset Date

Hospitalization Date

Deaths

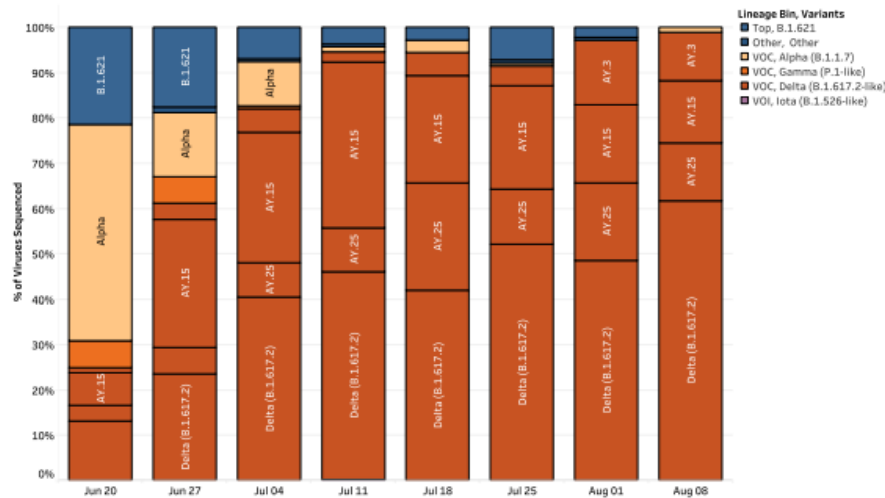
Case Rate by Age

Additional publications and data regarding COVID vaccine breakthroughs, variants, and severe outcomes are available [here](#)

COVID-19 Variants of Concern in Alaska

Weekly COVID Genomics Surveillance Report – Sept. 1, 2021

Recent Prevalence of Variants in Alaska



*Estimated prevalence per week period beginning on the date. This estimate is based on genome sequencing from a non-targeted convenience sample of cases. This estimate excludes cases sequenced from targeted contact tracing. Rare sub-lineages of Delta are aggregated with the parent lineage, B.1.617.2, proportion.



http://dhss.alaska.gov/dph/Epi/id/siteassets/pages/HumanCoV/AKSeqCon_GenomicSituationReport.pdf

Variants of Concern/Interest

Name	Lineages	Cases Detected	Change from Previous Report*	First Identified in Alaska
VOC Alpha	B.1.1.7	451	+1	20 December 2020
VOC Beta	B.1.351	7	0	20 March 2021
VOC Gamma	P.1-like	74	0	8 February 2021
VOC Delta	B.1.617.2-like	1196	+238	30 May 2021
VOI Epsilon	B.1.427/429	139	-1	4 December 2020
VOI Eta	B.1.525	1	0	16 March 2021
VOI Iota	B.1.526	24	0	4 February 2021
VOI Zeta	P.2	4	0	27 January 2021

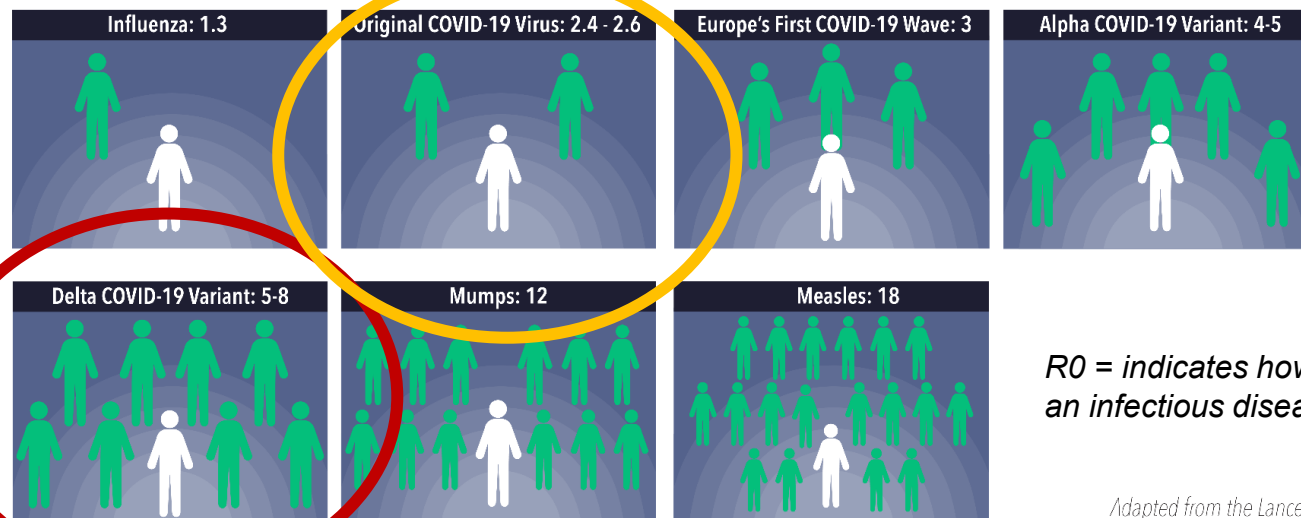
*Detected variants are identified from sequencing a combination of retrospective and contemporary SARS-CoV-2 positive specimens. Therefore, changes to the previous report do not always reflect recent collections but add to the overall understanding of variant proportions

How Contagious is the Delta Variant?

- **Original SARS-CoV-2 virus**
One infection spreads to about 2-3 other unprotected individuals on average
- **Delta variant**
Each infected person typically infects 5-8 unprotected individuals

How the R0 Numbers of COVID-19 Variants and Other Diseases Compare

The R0 (reproductive number) indicates how many people on average will contract an infectious disease from a single person. The more contagious the disease, the higher the R0.



R0 = indicates how contagious an infectious disease is

Adapted from the Lancet

Alaska Vaccine Breakthrough Cases

- Vaccine breakthrough (VB) infections of COVID are those detected in a person who is more than 2 weeks beyond their second dose of a 2-dose series or the only dose of a 1-dose series.
- From **January - August 28, 2021** Alaska recorded the following resulting from VB infection among Alaska residents. These counts are provisional and subject to change as more data are compiled.
 - 16 out of 121 deaths
 - 85 out of 802 hospitalizations
 - 5,162 out of 29,184 cases



Graphic: John Hopkins Bloomberg School of Public Health

82% of all cases, 89% of all hospitalizations, and 87% of deaths among Alaska residents from **January 1 through August 21, 2021** were in people who were not fully vaccinated.

Weekly Case Status – Statewide

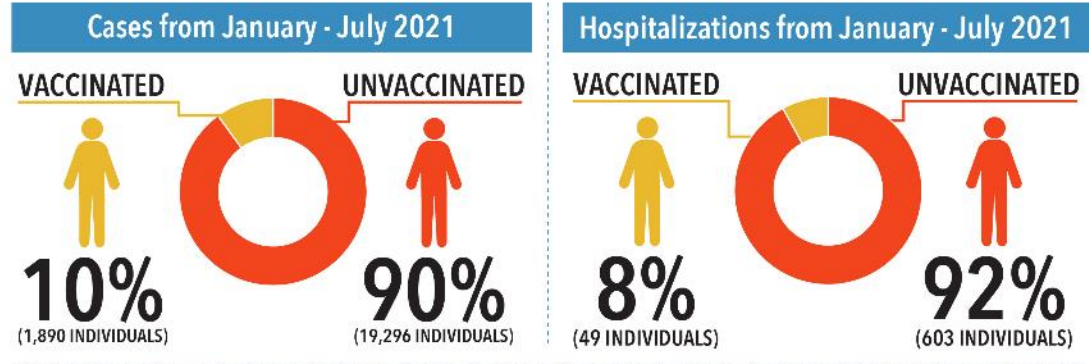
Vaccinated vs. Unvaccinated Status, Weekly Cases, March through July 2021

Alaska Vaccine Breakthrough Cases

Vaccinated vs. Unvaccinated Cases and Hospitalizations

January – July 2021

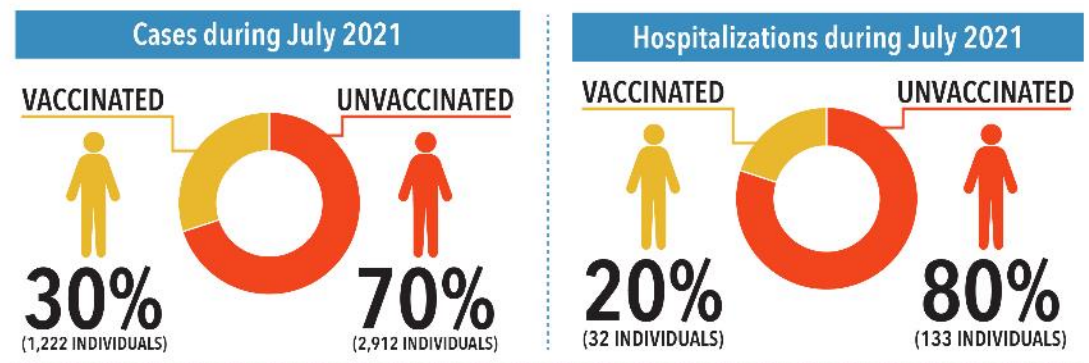
COVID-19 in Alaska



Vaccinated individuals were fully vaccinated (series complete + two weeks).
Unvaccinated individuals have not received a vaccine or are partially vaccinated.

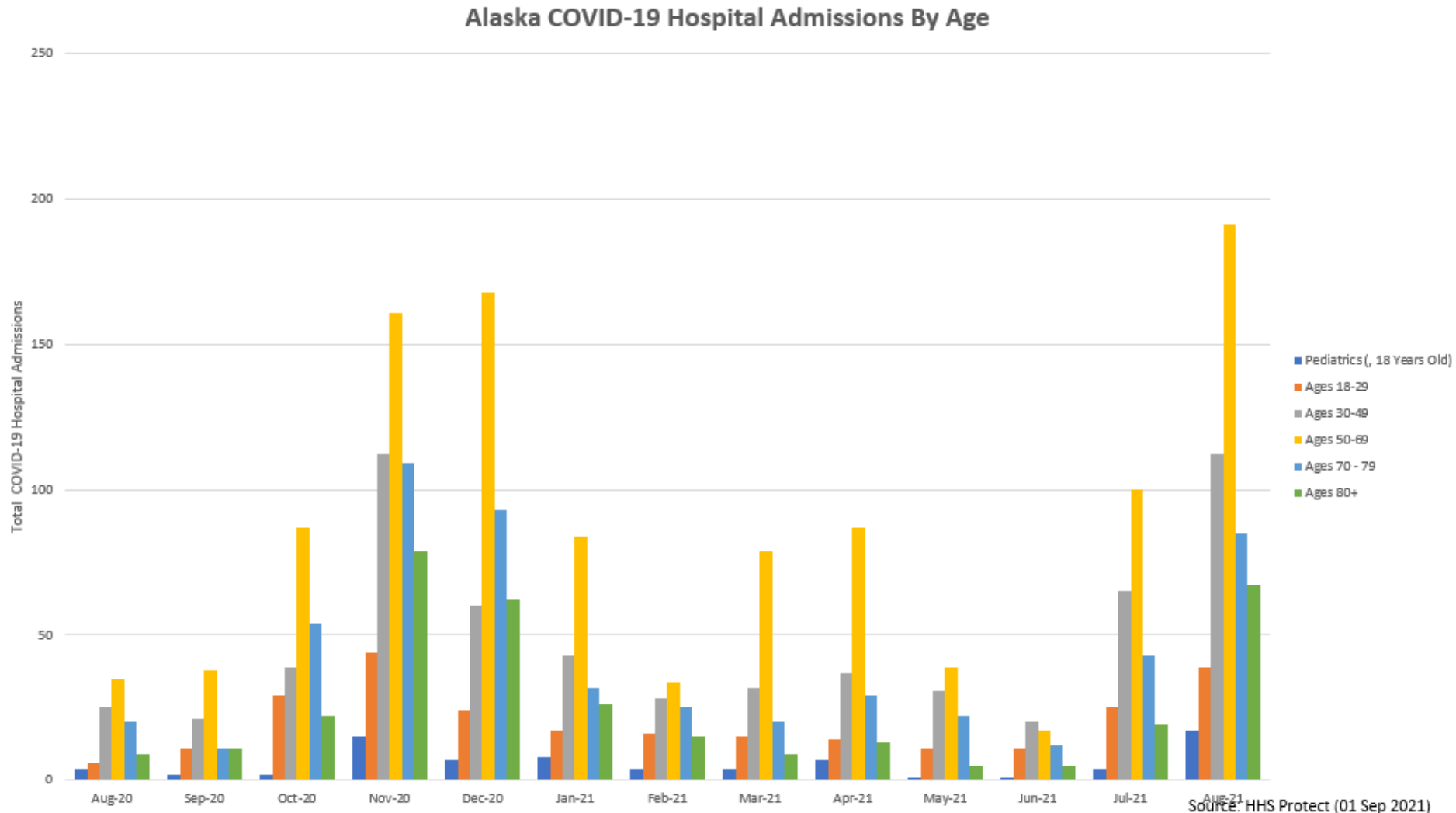
July 2021

COVID-19 in Alaska

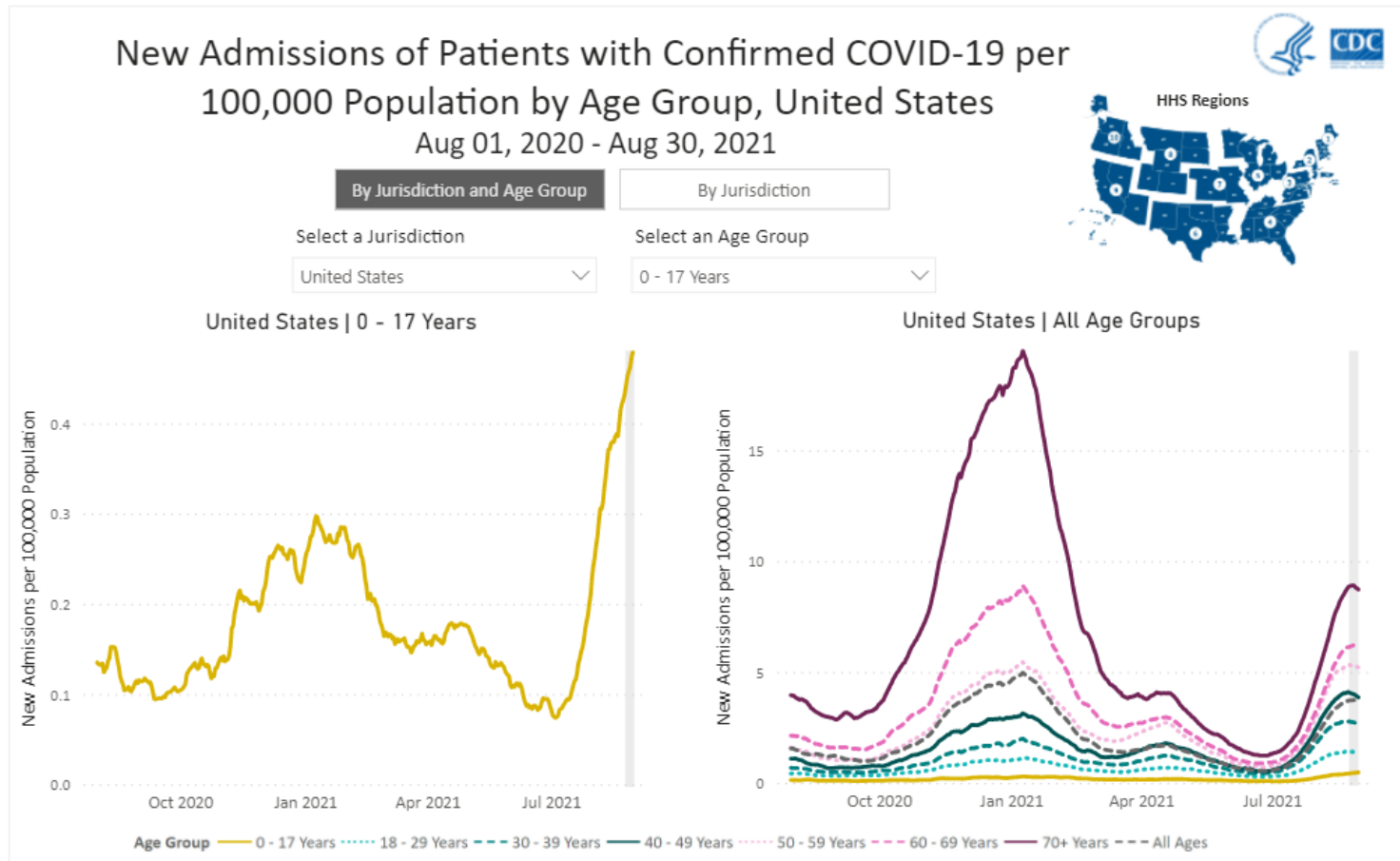


Vaccinated individuals were fully vaccinated (series complete + two weeks).
Unvaccinated individuals have not received a vaccine or are partially vaccinated.

Alaska COVID 19 Hospital Admissions By Age



Increased U.S. hospitalizations, ages 0-17



Based on reporting from all hospitals (N=5,251). Due to potential reporting delays, data reported in the most recent 7 days (as represented by the shaded bar) should be interpreted with caution. Small shifts in historic data may occur due to changes in the CMS Provider of Services file, which is used to identify the cohort of included hospitals. Data since December 1, 2020 have had error correction methodology applied. Data prior to this date may have anomalies that are still being resolved. Note that the above graphs are often shown on different scales. Data prior to August 1, 2020 are unavailable.

Last Updated: Sep 01, 2021

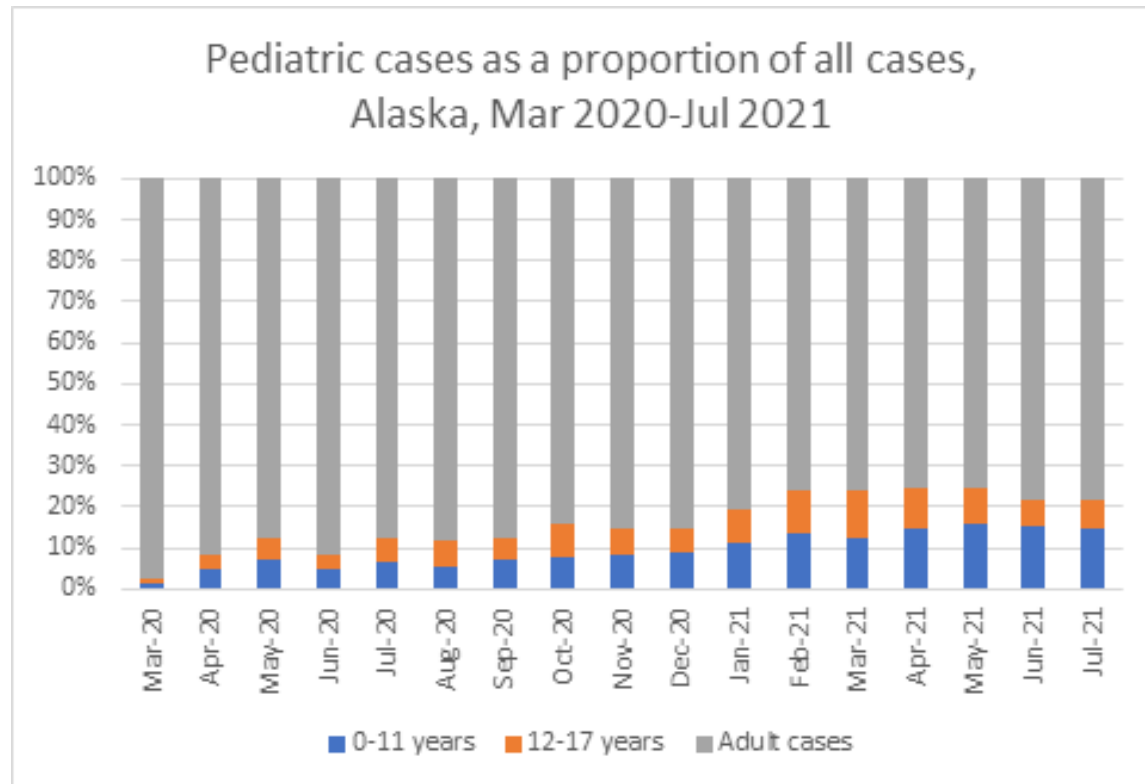
Unified Hospital Dataset, White House COVID-19 Team, Data Strategy and Execution Workgroup

Alaska Pediatric Cases, March 2020 – July 2021

The highest spread of cases and severe outcomes is happening in places with low vaccination rates

Getting vaccinated prevents severe illness, hospitalization, and death – and helps reduce spread of the virus.

Continue masking until fully vaccinated.



Testing is Critical to Slowing the Spread

- Testing is widely available. Our [testing locator tool](#) can help you find a testing site.
- Get tested as soon as COVID-like symptoms start.
- Consider testing before and after events or travel.
- Unvaccinated Alaskans and regularly exposed people should test even more frequently.
- Plan before you need to test about how you will get one.

If you test positive:

- Isolate immediately.
- Let your close contacts know.
- If you're in a high-risk category, consider getting monoclonal antibodies to reduce your risk of hospitalization.



FEVER



COUGH



FATIGUE



LACK OR LOSS
OF APPETITE



SHORTNESS
OF BREATH



SPUTUM
PRODUCTION



MYALGIAS

Alaska's Testing Update

- Alaska's testing program continues to serve our state well
- Longer lines but widespread access and relatively quick turn around times for results (<48 hour turn around time throughout much of Alaska)
- State warehouse continues to ship supplies
 - Rapid molecular tests for CUE and ID NOW
 - Rapid antigen for BINAX
- Testing sites can access testing supplies
- Working to acquire at-home "over the counter" tests to support schools and communities
- Airport testing is continuing



COVID-19 Testing – Statewide

Sept. 7, 2021

Positive Tests

3,669

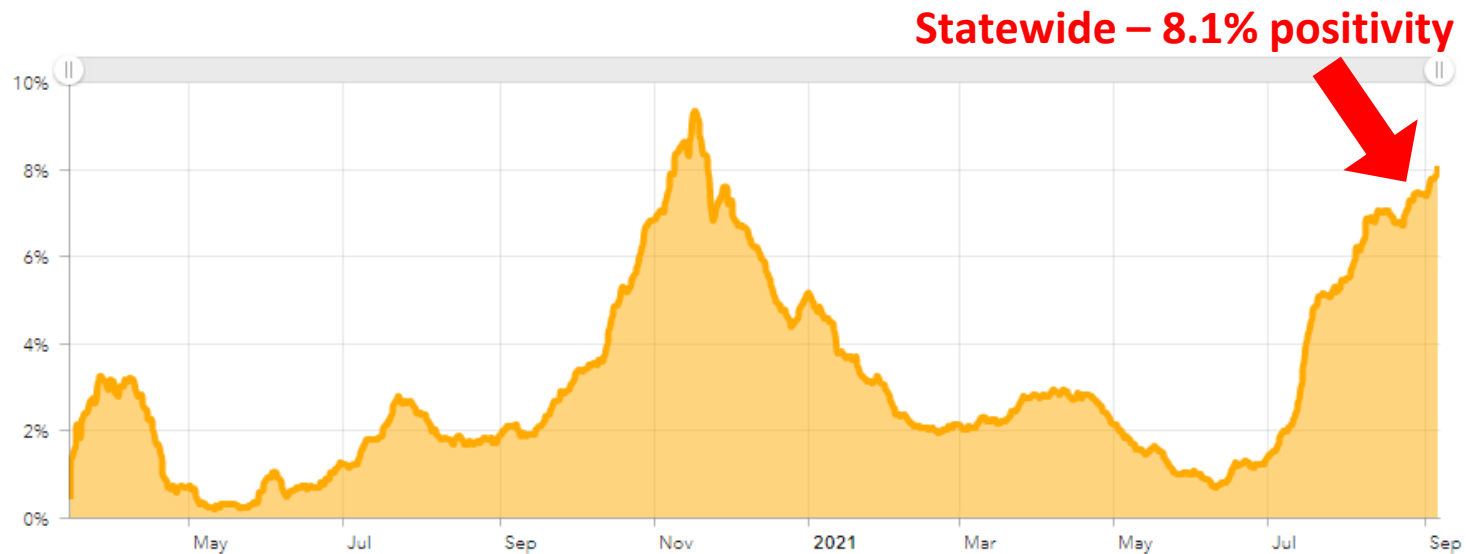
Last 7-Days

Positive Tests

8.1%

Last 7-Days

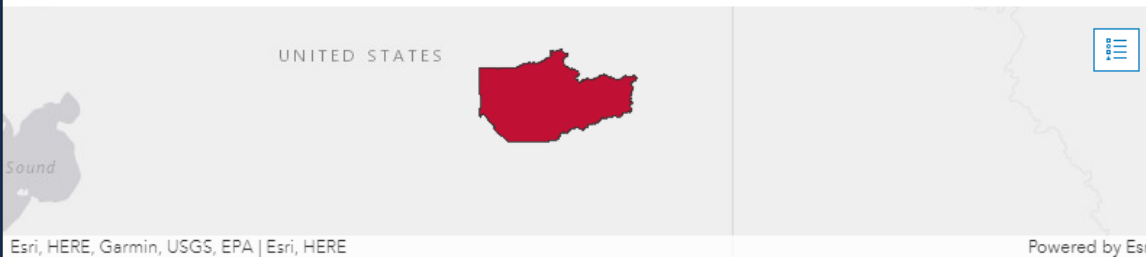
Statewide Percentage of Daily Tests with Positive Results
(Seven day rolling average)



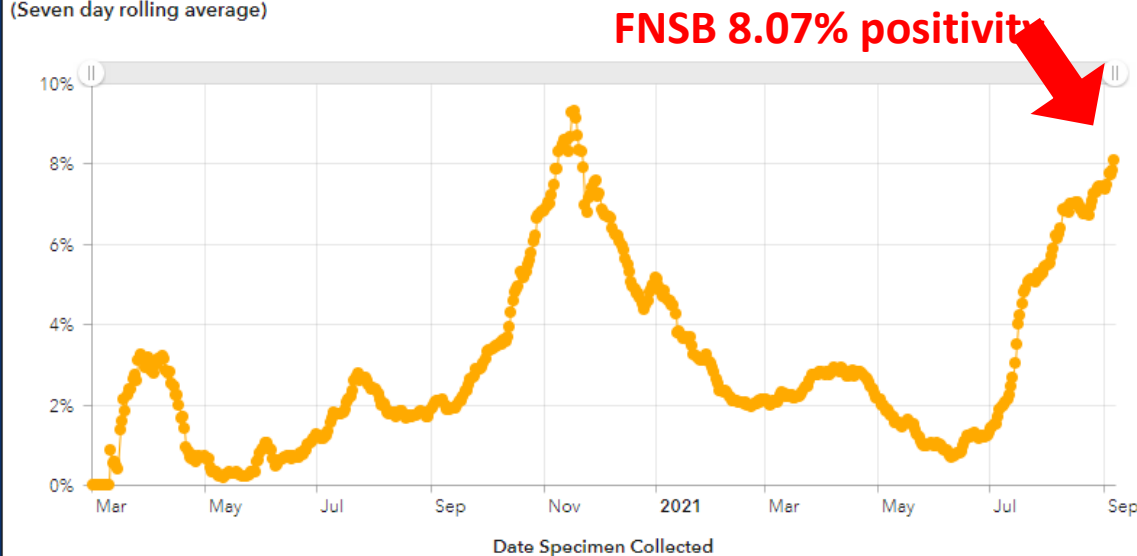
COVID-19 Testing – FNSB

Sept. 7, 2021

7-Day Test Positivity



Statewide Percentage of Daily Tests with Positive Results (Seven day rolling average)



Includes PCR and antigen tests, does not include antibody tests. Labs collected in the last few days may not be reported yet (see FAQ and turnaround times). All data are preliminary.

Total Tests 200,957

*Not a count of unique individuals tested

Daily Test Positivity

Overall

Universal Masking + Schools

**Masking = students spend less time in quarantine,
more time in class learning**

In one school district:

Students	Confirmed Positives (since 8/17)	Avg # of Close Contacts	Close Contacts (since 8/17)	Student days of quarantine
With universal masking	279	2.5	710	7,100
Estimated with no masking/ vaccinations	279	6	1,674	16,740



COVID-19 Hospitalizations Dashboard - Statewide

Sept. 7, 2021

Currently Hospitalized

186

COVID Positive

Hospitalized with COVID-19

20.9%

Out of Total Hospitalizations

Currently on Vent

23

COVID Positive and Suspected

Total Confirmed COVID Beds Occupied



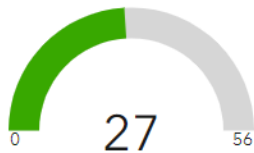
Based on most recently completed survey of Alaska health facilities, reported as of the previous day. Not all facilities may report results each day. Includes 13 Critical Access Hospitals (CAH), 8 General Acute Care Hospitals (GACH), 1 Long-Term Acute Care Hospital (LTACH), and 2 Psychiatric Hospitals. Military Hospitals are not reported. Reporting standards and frequency vary by facility type.

COVID-19 Hospitalizations - Interior

Sept. 7, 2021

Number of inpatient beds occupied and available including COVID and non-COVID patients. "Adult" gauges include adult numbers only. "Total" gauges include neonatal beds. A red gauge indicates bed occupancy is over 75%.

Adult Non-ICU Beds



Occupied

Adult Non-ICU Beds

29

Available

Adult ICU Beds



Occupied

Adult ICU Beds

2

Available

Adult

Total

Currently Hospitalized

12

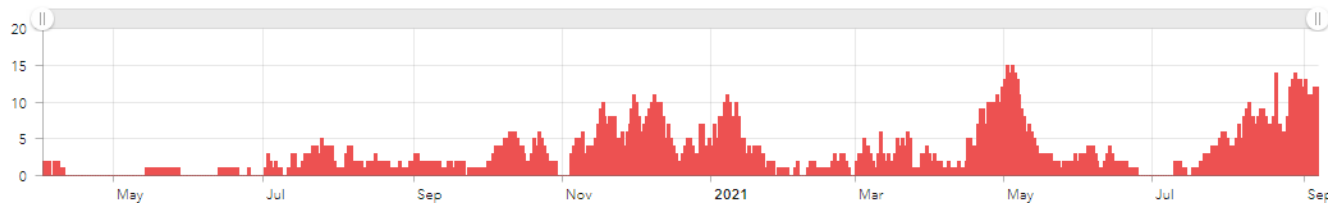
COVID - Positive

Currently on Vent - Statewide

0

COVID - Positive and Suspected

Total Confirmed COVID Beds Occupied



Based on most recently completed survey of Alaska health facilities, reported as of the previous day. Not all facilities may report results each day. Includes 13 Critical Access Hospitals (CAH), 8 General Acute Care Hospitals (GACH), 1 Long-Term Acute Care Hospital (LTACH), and 2 Psychiatric Hospitals. Military Hospitals are not reported. Reporting standards and frequency vary by facility type.

27.9%

Hospitalized with COVID

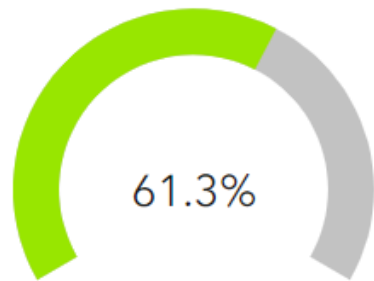
To view the Hospital Data Dashboard FAQs click [here](#)

COVID-19 Vaccinations - Statewide

Sept. 7, 2021

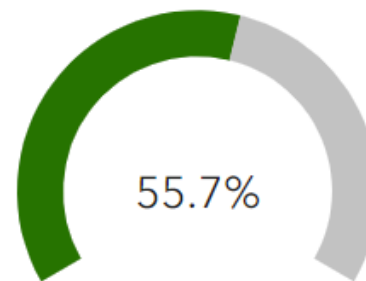
Residents (12+) with 1+ Dose

372,205



Residents (12+) Fully Vaccinated

337,931



Doses Administered

15,370

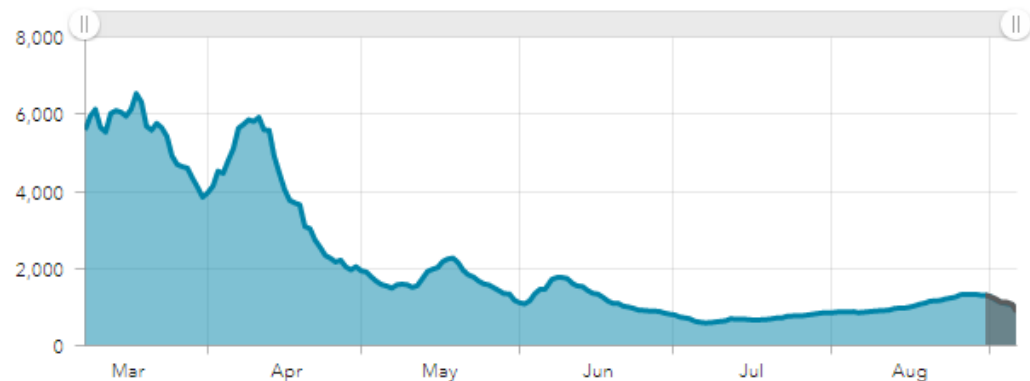
Aug 24 - Sep 06

Increase by

24.6%

Compared to Jul 27 - Aug 09

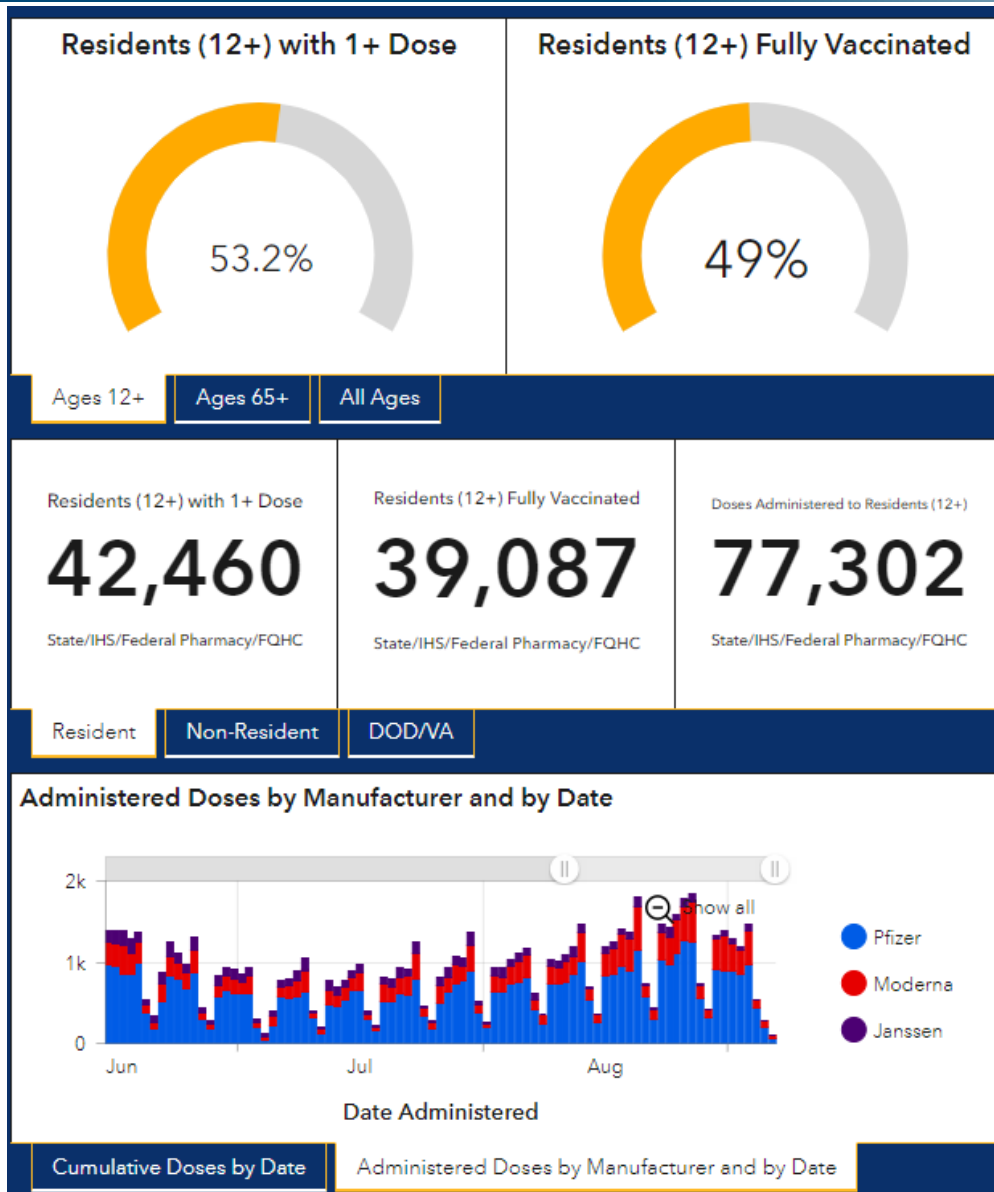
7-Day Rolling Average of Vaccines Administered Statewide
(Over the Last 6 Months)



All data are preliminary and are subject to change, primarily most recent data shown in gray.

COVID-19 Vaccinations - FNSB

Sept. 7, 2021



COVID Vaccine Rates for 12-18 years of age

August 24, 2021

Overall Statewide

45.4% of 12-18 year olds
have 1+ dose

36% of 12-18 year olds
are fully vaccinated

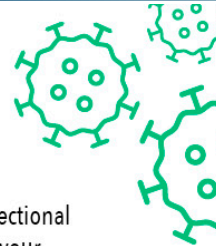
Borough/Census Area	% 1+ Dose	% Fully Vaccinated
Aleutians East Borough	78.6%	70.2%
Aleutians West Census Area	52.4%	36.9%
Anchorage Municipality	49.6%	36.5%
Bethel Census Area	66.8%	55.6%
Denali Borough	48.9%	39.0%
Dillingham Census Area	50.5%	44.3%
Fairbanks North Star Borough	38.8%	32.0%
Haines Borough	48.2%	45.3%
Juneau City and Borough	75.9%	66.0%
Kenai Peninsula Borough	27.5%	21.7%
Ketchikan Gateway Borough	50.7%	43.5%
Kodiak Island Borough	50.7%	41.5%
Kusilvak Census Area	74.6%	65.6%
Matanuska-Susitna Borough	26.4%	20.4%
Nome Census Area	78.2%	71.4%
North Slope Borough	43.1%	35.1%
Northwest Arctic Borough	59.9%	49.0%
Petersburg Borough	35.3%	34.2%
Prince of Wales-Hyder Census Area	53.7%	46.7%
Sitka City and Borough	75.1%	65.6%
Skagway Municipality	71.0%	56.5%
Southeast Fairbanks Census Area	16.0%	12.3%
Valdez-Cordova Census Area	34.8%	30.2%
Wrangell City and Borough	32.7%	27.5%
Yukon-Koyukuk Census Area	76.8%	67.9%
Bristol Bay plus Lake and Peninsula	56.8%	50.6%
Yakutat plus Hoonah-Angoon	63.6%	58.8%
Overall	45.4%	36.0%

Help Stop the Spread of COVID-19



Help Stop the Spread of COVID-19

Feeling Sick or Exposed to COVID-19 Now What?



This guidance applies to the general public. But if you live or work in a high-risk setting such as a correctional institution, health care facility, an assisted living facility, or a fish-processing plant, talk to someone at your facility for guidance.

	UNVACCINATED	VACCINATED*
If you test positive for COVID-19	ISOLATE Monitor your health and call a health care provider if symptoms becomes worrisome. After 10 days, if you are 24 hours fever-free and have significant improvement in symptoms, you are cleared from isolation.	
If you are exposed to COVID-19 and have NO symptoms	GET TESTED and QUARANTINE <ul style="list-style-type: none">- If positive, isolate for 10 days.- If negative, continue staying home for the duration of your quarantine (7-14 days) depending on testing and location.	GET TESTED and MONITOR <ul style="list-style-type: none">- If positive, isolate for 10 days.- If negative, monitor your symptoms for 14 days. Wear a mask. Quarantine not required.
If you are exposed to COVID-19 and have ANY symptoms	GET TESTED and ISOLATE <ul style="list-style-type: none">- If positive, isolate for 10 days.- If negative, stay home while you have symptoms or until you are finished with quarantine, whichever is longer. Talk to a health care provider and consider testing again.	GET TESTED and ISOLATE <ul style="list-style-type: none">- If positive, isolate for 10 days.- If negative, stay home while you have symptoms. Talk to a health care provider and consider testing again.
If you have ANY symptoms of COVID-19 and no known exposure	GET TESTED and STAY HOME <ul style="list-style-type: none">- If positive, isolate for 10 days.- If negative, stay home while you have symptoms. Talk to a health care provider and consider testing again.	

*A person is fully vaccinated if two weeks have passed since receiving the second dose of the Pfizer or Moderna vaccines or a single dose of the Johnson and Johnson vaccine.



Pfizer Receives Full FDA Approval

Pfizer's Comirnaty vaccine

Full approval granted for individuals aged 16 years and older

Use in ages 12-15 continues under the existing emergency use authorization

This should further instill confidence in the vaccine and encourage Alaskans to get vaccinated



www.fda.gov/news-events/press-announcements/fda-approves-first-covid-19-vaccine

www.cdc.gov/coronavirus/2019-ncov/vaccines/different-vaccines/Pfizer-BioNTech.html

dhss.alaska.gov/news/Documents/press/2021/DHSS_PressRelease_FDAapproval_20210823.pdf

Additional mRNA dose for immunocompromised

Additional dose for immunocompromised

- Receive a 3rd dose of mRNA vaccine at least 4 weeks after an initial 2-dose mRNA series (Pfizer or Moderna).
- People with moderately to severely compromised immune systems.

Immunocompromised includes a range of conditions. For example:

- Organ or stem cell transplant recipients
- Advanced or untreated HIV infection
- Active cancer treatment recipients
- Taking medications that weaken the immune system



www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19-vaccines-us.html

www.cdc.gov/coronavirus/2019-ncov/vaccines/recommendations/immuno.html

CDC Plan for mRNA booster doses

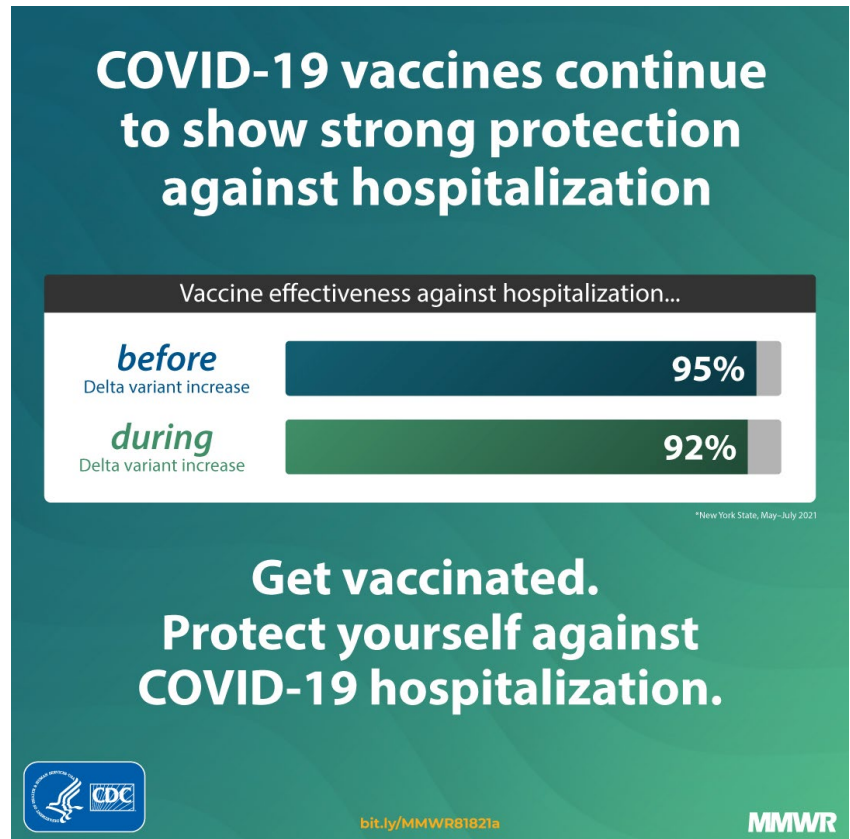
Booster doses planning for this fall
3rd dose of mRNA vaccine (Pfizer or Moderna).

If authorized by FDA and recommended by ACIP, booster shots could start Sept. 20 for anyone who had their 2nd dose 8 months prior.

Seeing a decrease in vaccine effectiveness against infection. 3 new studies released.

Vaccines continue to be highly effective,
even against the widely circulating delta variant.

Nearly all cases of severe disease, hospitalization and death continue to occur among the unvaccinated.



Don't wait any longer if you haven't yet gotten vaccinated. Take your shot now!

Monoclonal Antibody Treatment

Monoclonal Antibody COVID-19 Treatment

Did you recently test positive for COVID-19? If you are 12 and older, you may be eligible for monoclonal antibody treatment. This can help prevent severe illness and hospitalization. Call the statewide COVID helpline at 907-646-3322 for more information and talk to your health care provider. The state's helpline provides language interpreters upon request.

What are monoclonal antibody treatments?


Monoclonal antibodies support your body's own antibodies and help your immune system quickly destroy the virus that causes COVID-19 before it harms you or causes hospitalization. The U.S. Food and Drug Administration has authorized monoclonal antibody treatment for emergency use for eligible patients regardless of vaccination status.

Factors that may increase your risk for severe COVID-19 illness:

- ▶ Not being fully vaccinated (i.e. at least 2 weeks after your 2nd dose of Pfizer/Moderna or single dose of Johnson & Johnson vaccine)
- ▶ Older age (≥65 years of age)
- ▶ Obesity or being overweight (for example, BMI >25 kg/m², or if age 12-17, have BMI ≥85th percentile for their age and gender based on CDC growth charts, https://www.cdc.gov/growthcharts/clinical_charts.htm)
- ▶ Pregnancy
- ▶ Chronic kidney disease
- ▶ Diabetes
- ▶ Having a weakened immune system from health conditions or medications
- ▶ Heart disease
- ▶ High blood pressure
- ▶ Chronic lung diseases (for example, chronic obstructive pulmonary disease (COPD), asthma)
- ▶ Sickle cell disease

Monoclonal antibodies are recommended in the COVID-19 treatment guidance from the Infectious Disease Society of America <https://www.idsociety.org/practice-guideline/covid-19-guideline-treatment-and-management/> as well as the National Institute of Health <https://www.covid19treatmentguidelines.nih.gov/about-the-guidelines/whats-new/>

Revised 08/21



- Prevents severe COVID illness and hospitalizations
- Ask your health care provider or **call the statewide COVID helpline, 907-646-3322** for more information for help finding treatment. Language interpreters available upon request.
- Testing ensures those who test positive get the treatment they need.

COVID-19 Treatments

WARNING

Do not use **IVERMECTIN products
made for animals.**

Here's What You Need to Know about Ivermectin

- FDA has not approved ivermectin for use in treating or preventing COVID-19 in humans. Ivermectin tablets are approved at very specific doses for some parasitic worms, and there are topical (on the skin) formulations for head lice and skin conditions like rosacea. Ivermectin is not an anti-viral (a drug for treating viruses).
- Taking large doses of this drug is dangerous and can cause serious harm.
- If you have a prescription for ivermectin for an FDA-approved use, get it from a legitimate source and take it exactly as prescribed.
- Never use medications intended for animals on yourself. Ivermectin preparations for animals are very different from those approved for humans.

New Webpage: COVID-19 Outpatient Treatment

<http://dhss.alaska.gov/dph/Epi/id/Pages/COVID-19/outpatienttreatment>

Use Layered Prevention Strategies

Multiple strategies helps protect you and those who aren't fully vaccinated

- Vaccines
- Masks
- Testing
- Physical distancing
- Ventilation



Request a Free Q & A Session

SPEAKERS BUREAU

Questions about COVID-19, vaccines, or variants?



Have questions about COVID? Request a presentation by a health care professional.

DHSS offers free presentations upon request to groups about COVID-19, the vaccines, COVID-19 prevention or other health topics upon request. **speakers.dhss.alaska.gov**

- Visit covidvax.alaska.gov to find a provider.
- Text your zip code to 438829 for a list of vaccine sites near you
- 907-646-3322
- Toll free: 1-833-4-VAXLINE (1-833-482-9546)
- **Need an interpreter or transportation?**
Ask for a language interpreter or transportation or other assistance when you call. If you're ready, we're here to help you get vaccinated!



Need assistance making your
COVID-19 vaccine appointment?

Call the COVID Vaccine Helpline:

 **907-646-3322**

Hours: 9am - 6:30pm (Mon-Fri),
9am - 4:30 pm (Sat-Sun)

Give AK a Shot – Alaska Chamber Campaign

GET YOUR COVID-19 VACCINE

**ENTER TO WIN \$49K
TWO WINNERS EACH WEEK**

www.giveakashot.com



The [Alaska Chamber](http://AlaskaChamber.com) today announced the Give AK a Shot sweepstakes, giving Alaskans the opportunity to win \$49,000 in cash (for Alaskans 18+) and educational savings plans (for Alaskans aged 12-17).

For Alaskans getting their first dose – and two prizes awarded to those who are already fully vaccinated.

Alaska Chamber is leading this campaign with DHSS support.

Learn more at GiveAKaShot.com.

Fairbanks Covid Update on Healthcare Capacity



- Fairbanks Memorial Hospital Inpatient
- Pediatrics
- Emergency Department
- Staffing at FHP
- Hospitals Around the State
- Outpatient Care

We can do this, Alaska!

