COVID-19 in Alaska

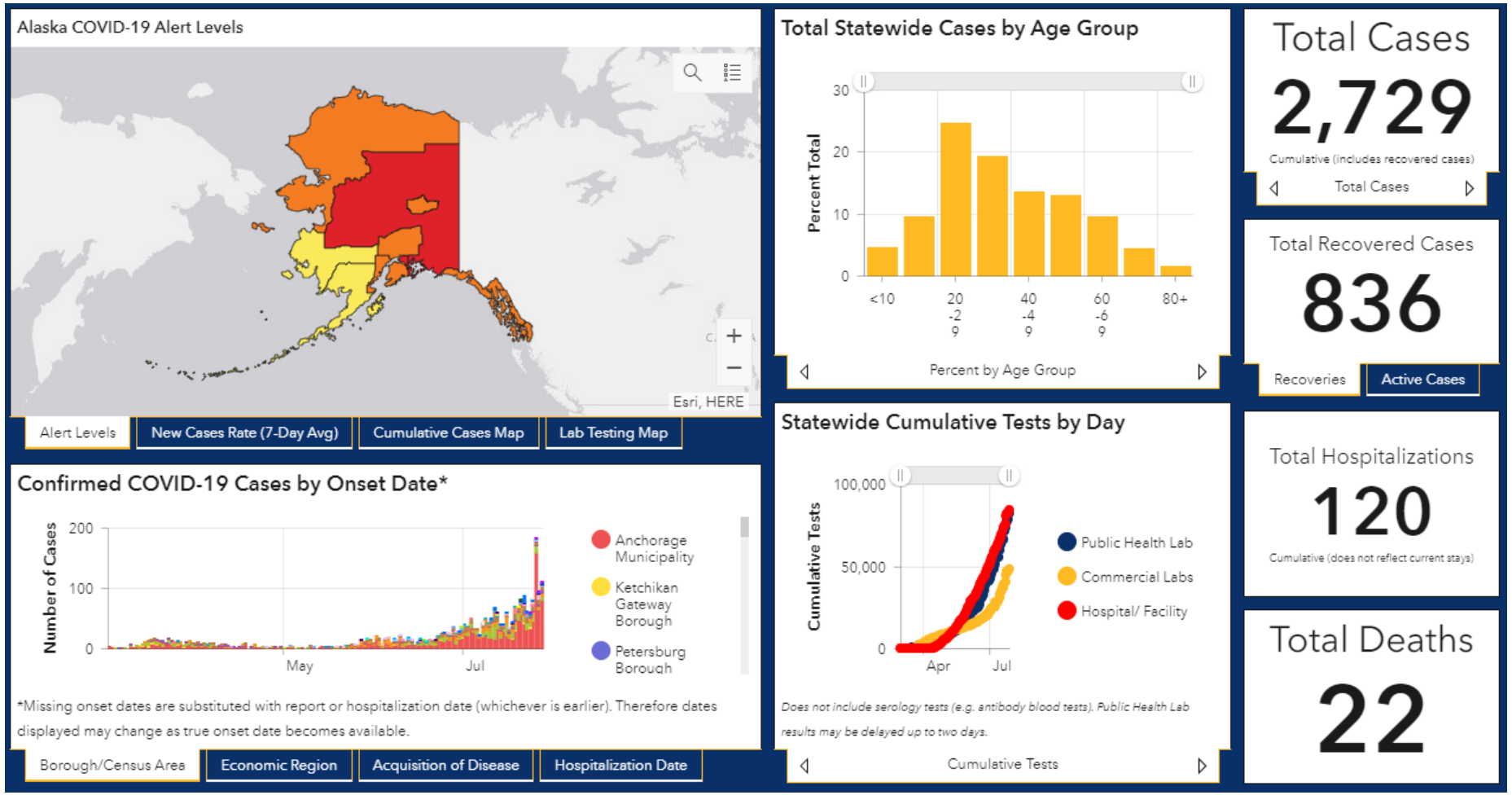
Data Update

Dr. Anne Zink, DHSS, Chief Medical Officer

July 28, 2020

COVID-19 Dashboard: 7/28/20 reporting data from 7/27/20

- 110 new Alaska residents diagnosed with COVID-19 (2,729 total)
- 27 new nonresidents (621 total)
- 836 recovered cases
- 1 new death (22 total)
- 4 new hospitalizations (120 total)
- 213,875 cumulative tests
- 2.65% of tests were positive



Weekly Case Updates – Highlights from July 9-25, 2020

- Total Alaska resident cases rose 34% last week.
- Rapid increase in both resident and nonresident new cases.
- Majority of new cases are among Alaskans aged 20-29, with cases among Alaskans in their 20s and 30s rising sharply.
- Travel is not the main driver of recent increase in Alaska resident cases; most nonresident cases have been identified before significant community interaction occurs.
- Hospital capacity is currently adequate, but hospitalizations and deaths are increasing.
- With current rates of physical distancing, face covering use and other protective measures, cases are expected to continue to rise rapidly.
- **Avoid large and indoor gatherings, wear face coverings in public, keep 6 feet of distance from non-household members and practice good hand hygiene to slow transmission of COVID-19.**

Summary of Cases and Tests by Region

	Cases		Tests (Last 7-Days)			Severity	
	Total	Cases per 100,000	Daily Average		Percent Positive Tests	Hospitalized	Deceased
Statewide	2622	358.7	1,566.6		1.3%	116	21
Anchorage	1402	191.8	376.9		1.5%	63	9
Gulf Coast	323	44.2	376.9		1.3%	8	2
Interior	426	58.3	20.0		1.8%	21	5
Matanuska-Susitna	236	32.3	54.4		0.9%	10	2
Northern	47	6.4	175.9		0.2%	1	0
Southeast	155	21.2	52.3		1.9%	12	3
Southwest	33	4.5	69.4		0.5%	1	0

Risk Alert Levels – Epidemiology

Category	Key Question	Indicator	Level 1 Minimal	Level 2 Moderate	Level 3 High
Epidemiology	What is the level of disease burden and how is it changing?	Community Transmission Level (active cases over 14 days)	Minimal < 5 cases / 100,000	Moderate transmission with some undetected case 5-10 cases / 100,000	Widespread community transmission with many undetected cases and frequent discrete outbreaks >10 cases / 100,000
		Rt	<1	1.0 - 1.2 *	> 1.2 *
		Nature of outbreaks	Discrete, small, isolated cases and easily contained.	Multiple discrete outbreaks, one or more outbreaks in high risk populations	Multiple outbreaks that involve multiple communities that are hard to contain or multiple outbreaks with high risk populations
	Are there early signs of a resurgence in cases?	Increasing percent positive rate	Test % positive rate <2%	Test % positive rate 2-5%	Test % positive rate >5%
		New case rate over 7 days including non-residents cases	<5 cases/ 100,000 per day	5-10 cases / 100,000	>10 cases / 100,000
		Syndromic data (CLI)	Average	Above average	Above average and rising

Risk Alert Levels – Health Care System Capacity

Category	Key Question	Indicator	Level 1 Minimal	Level 2 Moderate	Level 3 High
Health Care System Capacity	Overall bed capacity	Total hospital bed capacity	< 50% capacity	50- 75% capacity	>75% capacity
		Total ICU bed capacity	< 50 % capacity	50-75% capacity	>75% capacity
	Hospital Bed Projections	Projection hospital bed or ICU capacity availability	>6 weeks before beyond capacity	3- 6 weeks until ICU or acute beds are beyond capacity	<3 weeks until ICU or acute beds are beyond capacity
	Anchorage bed capacity	Anchorage hospital bed capacity	< 80% capacity	80% - 90% capacity	> 90% capacity
		Anchorage ICU bed capacity	< 80% capacity	80% - 90% capacity	>90 % capacity

Risk Alert Levels – Public Health Capacity

Category	Key Question	Indicator	Level 1 Minimal	Level 2 Moderate	Level 3 High
Public Health Capacity	Testing	Broad testing	Testing >2% of the population/month	Testing < 2% of the population/month	Testing <1 % of the population/month
		Testing enviroment	Little to no limitations in the testing capacity, most areas are able to get testing supplies	Reagent shortages impacting communities ability to test but alternatives usually available.	Regular shortages with no few or no alternatives and multiple communities without regular testing access
		Lab turn around	< 48 hrs to run test	48 - 96 hrs to run test	> 96 hrs to run test
	Contact tracing?	Average close contacts / per case	<5	6-10 contacts	> 10 contacts
		Percent of new cases contacted in < 24 hrs	> 90%	50 - 90%	< 50%

Average Daily Case Rate per 100,000 Residents

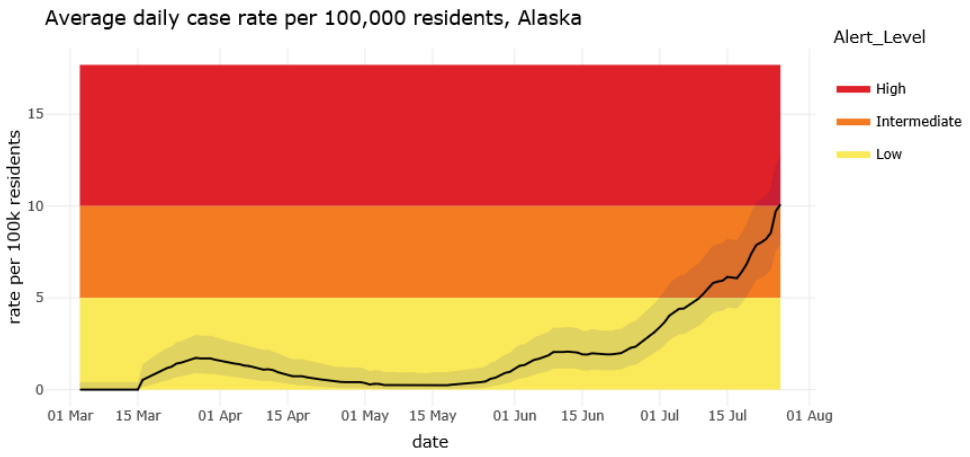
Window:
- (●) 14 day window
- ( ) 7 day window

Area:
- (●) Statewide
- ( ) Behavioral Health Region
- ( ) Census

Select Region:
Statewide

Note:
Incremental average based on a 14 or 7 day sliding window. Average daily rate per 100,000 residents calculated at the end of each window.

Plots | Details



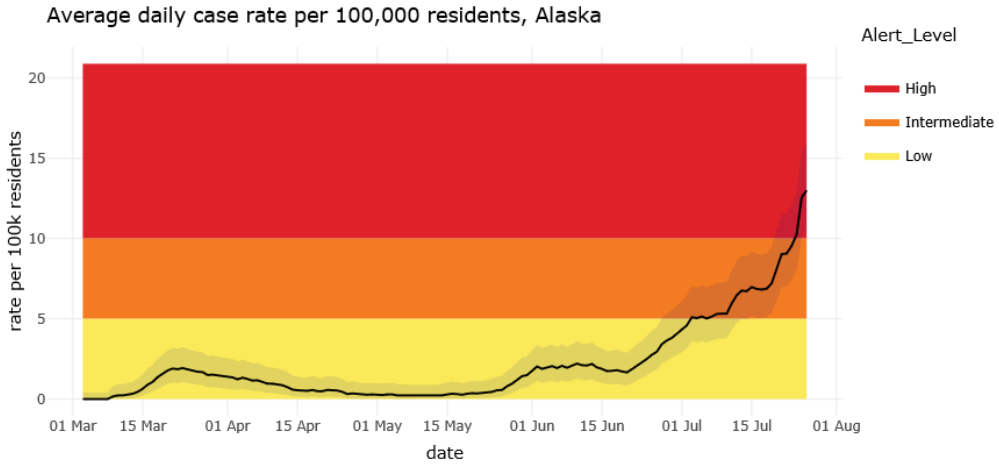
Window:
- ( ) 14 day window
- (●) 7 day window

Area:
- (●) Statewide
- ( ) Behavioral Health Region
- ( ) Census

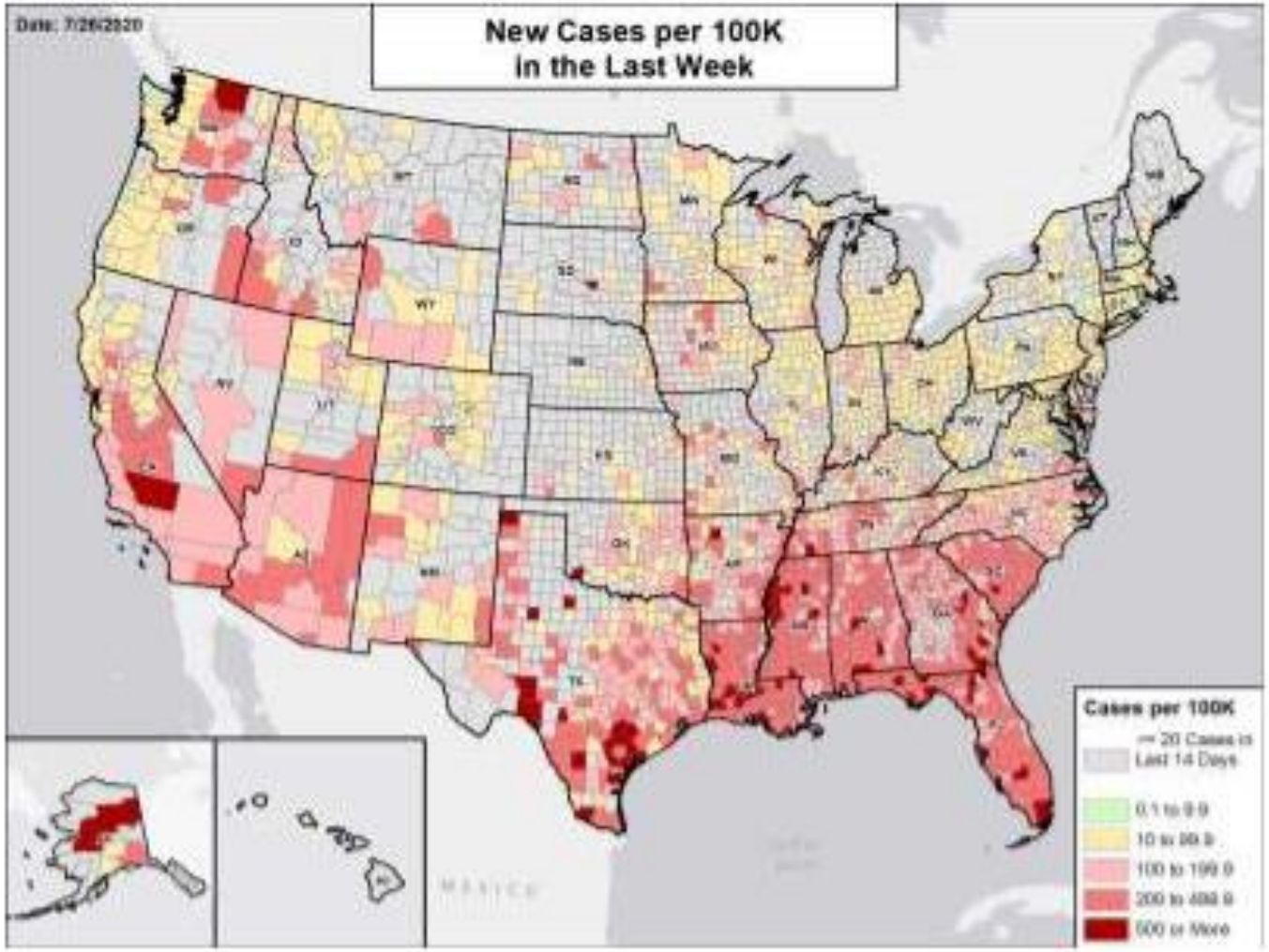
Select Region:
Statewide

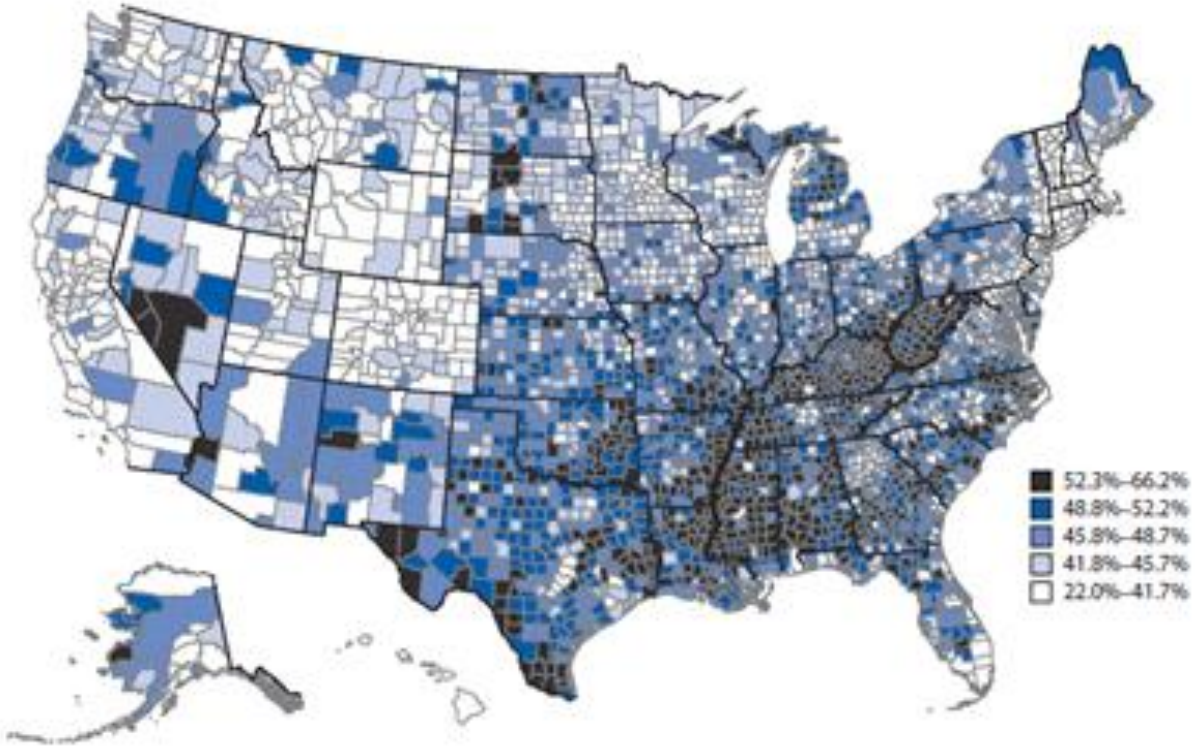
Note:
Incremental average based on a 14 or 7 day sliding window. Average daily rate per 100,000 residents calculated at the end of each window.

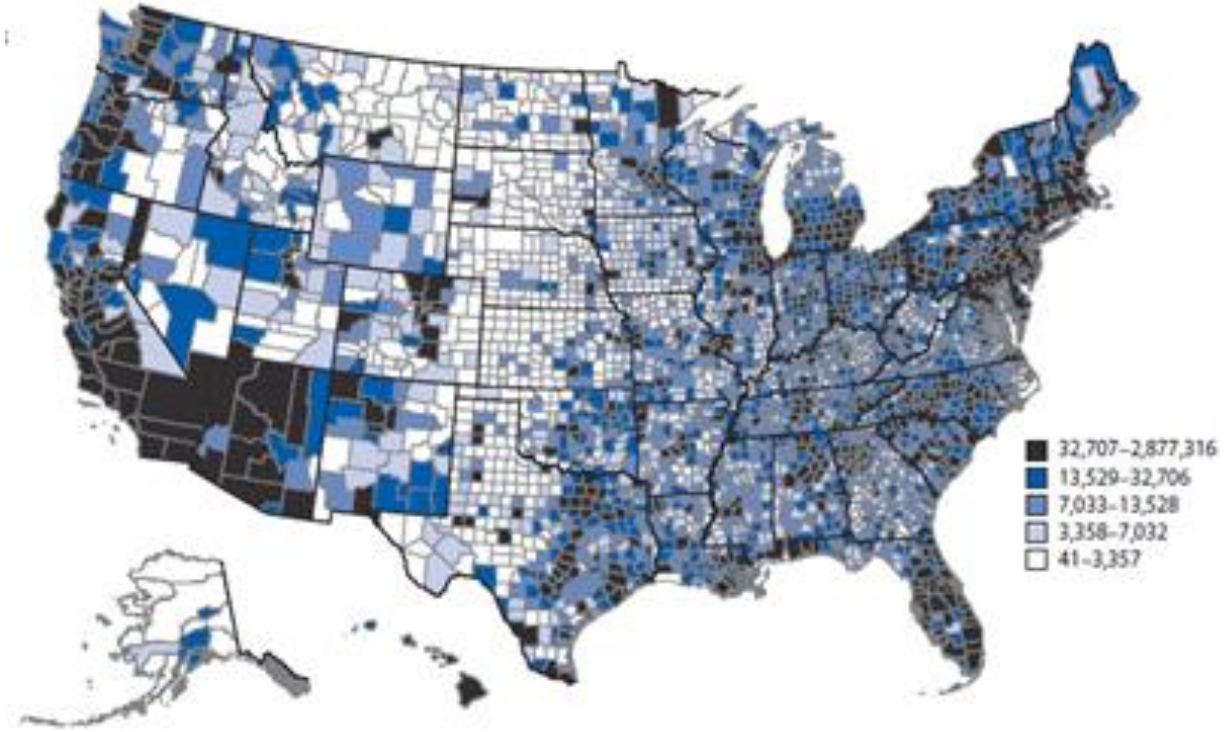
Plots | Details



NEW CASES PER 100,000 LAST WEEK

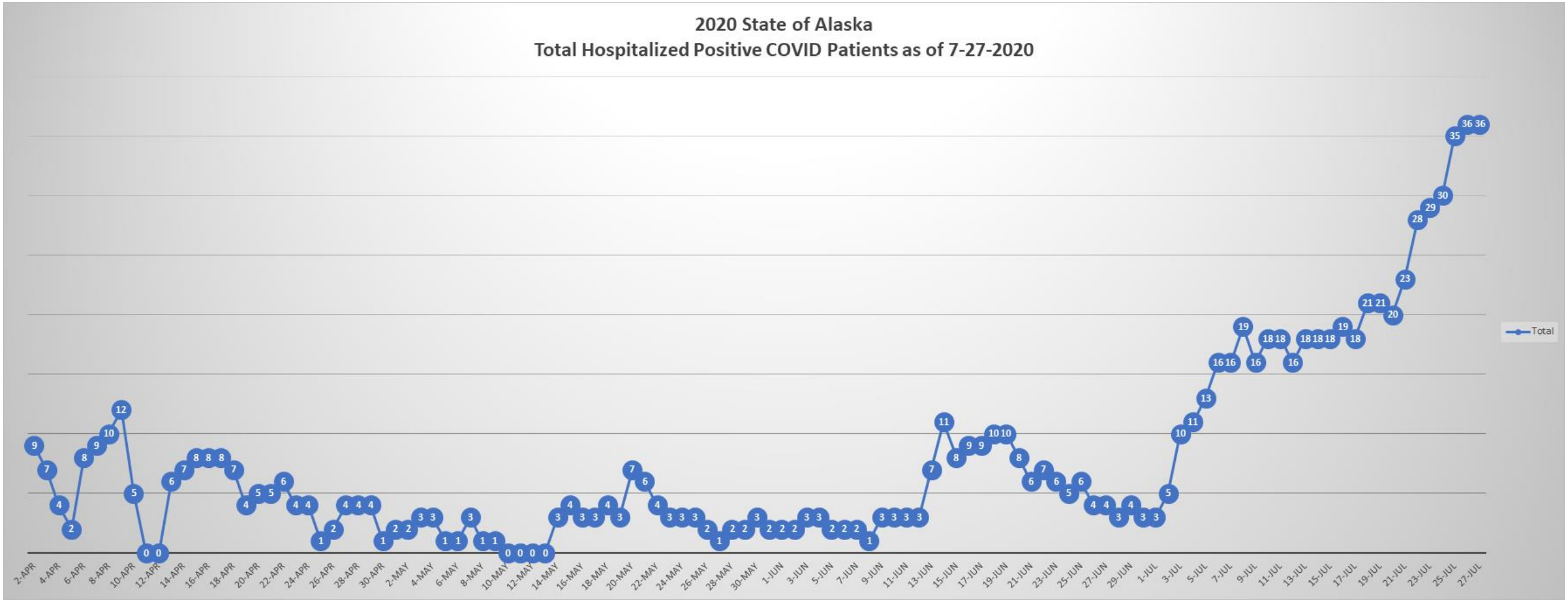






Source: Centers for Disease Control and Prevention:
https://www.cdc.gov/mmwr/volumes/69/wr/mm6929a1.htm?s_cid=mm6929a1_w#T1_down

Trend Line of Alaska Hospitalizations



6 FEET
6 FEET
WASH YOUR HANDS
WEAR A MASK
STATE of ALASKA
Department of Health and Social Services
COVID19.ALASKA.GOV