**Extraordinary Assumptions: There are a lot of different data sources in this report not all of them match but aid to provide an overall picture of the current situation. COVID-19 Data Source Comparison - https://covid-19.splunkforgood.com/covid_19_datasource_comparison

Daily Situation Summary
Thursday, July 23, 2020
As of 10:00 AM

COVID-19 by the Numbers

07/23/2020	Riverside	Imperial	Kern	Los Angeles	Orange	San Bernardino	San Diego	San Luis Obispo	Sana Barbra	Ventura	California	United States	Global
Total Cases	32,231	7,458	11,998	162,205	31,356	25,323	24,522	1,338	5,422	6,131	413,576	3,882,167	14,971,036
New Cases	1,068	121	1,090	3,003	1,019	1,097	385	56	156	219	12,807	63,028	205,780
Cases Per Capita	1,352	4,138	1,359	1,606	991	1,186	742	475	1,222	723	1,056	1,176	195
Recovered	11,270	7,636	4,985	Not Reported	16,173	16,125	17,337	917	4,900	3,100	126,351	1,942,815	9,356,354
Total Deaths	589	163	105	4,154	513	333	487	7	32	62	7,870	141,677	618,017
New Deaths	1	0	0	50	20	4	9	1	0	5	115	1,047	5,964
Deaths Per Capita	24.71	90.45	11.89	41.14	16.21	15.59	14.74	2.49	7.21	7.31	20.10	42.93	8.06
Presumptive active cases	20,372	-341	6,908		14,670	8,865	6,698	414	490	2,969	279,355	1,797,675	4,996,665
% of State's Cases	7.79%	1.80%	2.90%	39.22%	7.58%	6.12%	5.93%	0.32%	1.31%	1.48%	10.65%	25.93%	
Currently in Hospitals	688	90	306	2,830	773	724	485	17	94	90	8,820		
Total Hospital Beds	4,096	298	1,726	23,798	7,403	4,766	6,676	455	793	298	80,459		
Currently in ICU	143	20	66	623	233	181	149	4	27	143	2,058		
ICU Beds Available	112	8	99	1,252	400	157	328	33	67	112	3,673		
Case Fatality Rate	1.8%	2.2%	0.9%	2.6%	1.6%	1.3%	2.0%	0.5%	0.6%	1.0%	1.9%	3.6%	4.1%
Population*	2,383,286	180,216	883,053	10,098,052	3,164,182	2,135,413	3,302,833	281,455	443,738	848,112	39,148,760	329,981,711	7,665,345,000
% of Population	6.09%	0.46%	2.26%	25.79%	8.08%	5.45%	8.44%	0.72%	1.13%	2.17%	0.13%	0.0506%	

Sources: CDPH, WHO, CDC

The date for which case statistics and hospital data were reported. Hospital COVID data are self-reported through a portal managed by the California Hospital Association and pulled at 2pm. COVID case statistics are reported by local health departments to CalREDIE and are pulled at 2pm. Hospital data and case statistics are integrated by the California Department of Technology and made available through the Open Data Portal the following morning. CA Open Data Portal is at least 24 Hours behind

*California-Demographics.com is made by Cubit – a demographic data provider & census.gov

Presumptive active cases - A calcuation of total casses - Recovered - Dead

Prepared by Justin Czerniak
justin.czerniak@norcocollege.edu

Global Data

https://covid-19.splunkforgood.com/covid_19_datasource_comparison

https://coronavirus.jhu.edu/map.html
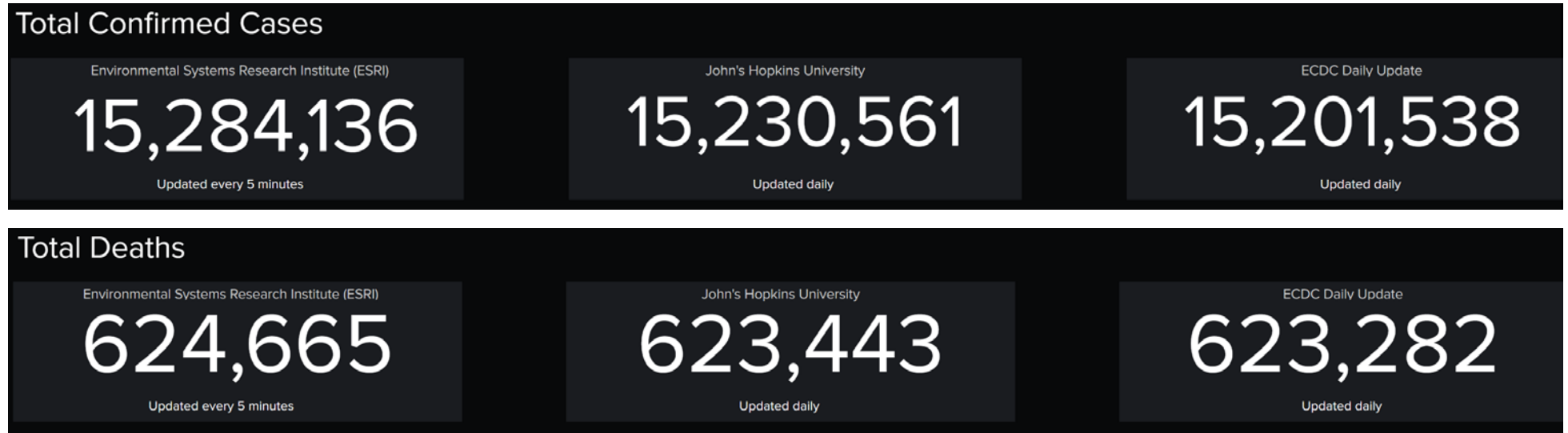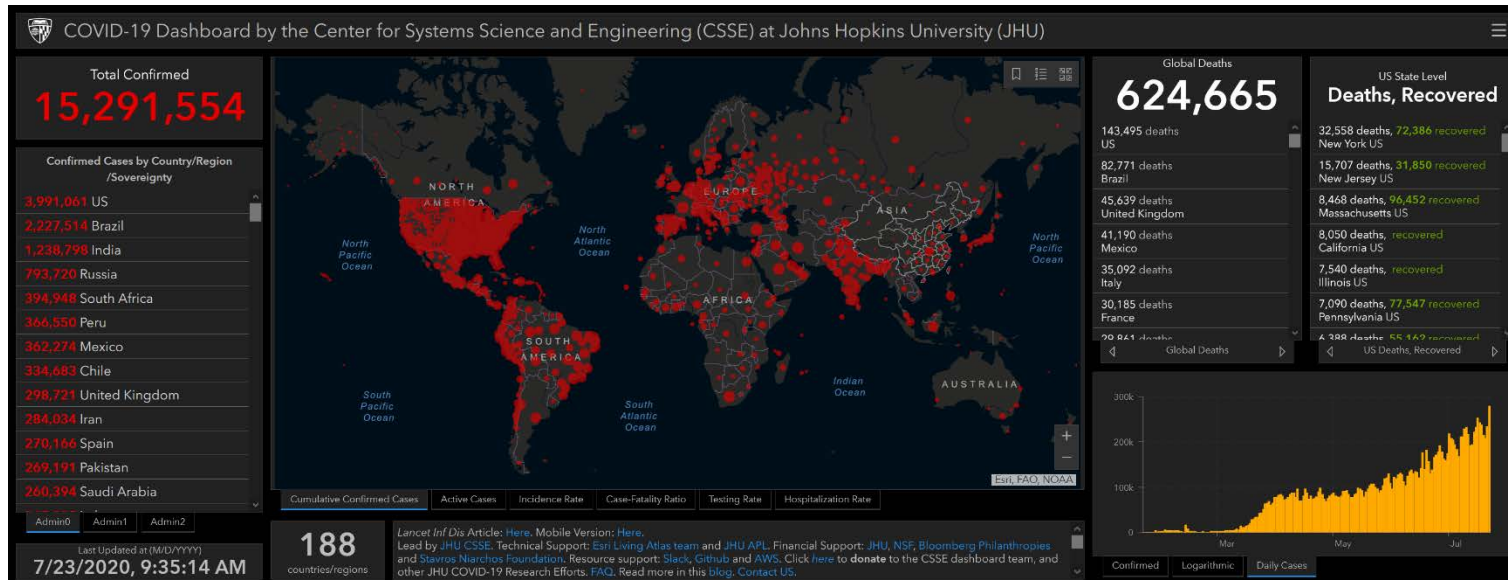
COVID numbers by Total Cases

https://www.kff.org/global-health-policy/fact-sheet/coronavirus-tracker/

Country	Total Cases	Cases / Million Population	Total Deaths	Deaths / Million Population
United States	3,957,180	12,056	142,991	436
Brazil	2,227,514	10,479	82,771	389
India	1,238,798	898	29,861	22
Russia	787,890	5,399	12,726	87
South Africa	394,948	6,659	5,940	100
Peru	366,550	11,117	13,767	418
Mexico	362,274	2,810	41,190	319
Chile	334,683	17,508	8,677	454
United Kingdom	296,377	4,366	45,501	670
Iran	281,413	3,350	14,853	177
Pakistan	269,191	1,219	5,709	26
Spain	267,551	5,722	28,426	608
Saudi Arabia	258,156	7,415	2,601	75
Italy	245,032	4,053	35,082	580
Turkey	222,402	2,637	5,545	66
Colombia	218,428	4,293	7,373	145
Bangladesh	213,254	1,295	2,751	17
France	204,641	3,135	30,063	461

COVID numbers by Cases / Million Population

Country	Total Cases	Cases / Million Population	Total Deaths	Deaths / Million Population
Qatar	107,871	37,441	163	57
French Guiana	6,883	23,045	39	131
Bahrain	37,637	22,119	130	76
San Marino	699	20,596	42	1,238
Chile	334,683	17,508	8,677	454
Holy See	12	14,833	0	0
Kuwait	61,185	14,327	417	98
Oman	71,547	14,011	349	68
Panama	55,906	12,957	1,180	273
United States	3,957,180	12,056	142,991	436
Armenia	35,693	12,045	678	229
Andorra	889	11,506	52	673
Peru	366,550	11,117	13,767	418
Brazil	2,227,514	10,479	82,771	389
Mayotte	2,839	10,406	38	139
Luxembourg	5,854	9,352	111	177
Singapore	48,744	8,332	27	5
Sweden	78,504	7,773	5,667	561
Saudi Arabia	258,156	7,415	2,601	75
Belarus	66,521	7,040	513	54

News

Three out of 10 people in the Americas are at increased risk of severe COVID-19 because of underlying conditions, PAHO Director says

- Three out of ten people – or nearly 325 million – are at increased risk of developing severe COVID-19 illness due to underlying health conditions, Pan American Health Organization Director (PAHO) Carissa F. Etienne said.
- Certain underlying, chronic conditions like diabetes, kidney disease and hypertension, as well as infectious diseases, such as tuberculosis, or immunosuppression, place people at increased risk for more severe COVID-19 disease.
- "Unfortunately, many of these medical conditions are widespread in the Americas, which leaves our region more vulnerable to severe illness," Etienne told a media briefing today.
- To help address this, PAHO has developed a new data model in partnership with the London School of Hygiene and Tropical Medicine that provides a more accurate picture of the prevalence of health conditions in the Americas.
- "What we see is worrisome," she noted. "We are talking about 186 million people in Latin America and the Caribbean," and in the U.S. Canada and Mexico, one in three people are at increased risk of severe COVID-19.
- In the Americas, there are 43 million people at high risk, "which means they would require hospitalization due to their underlying health conditions. And within this group, men are twice as likely as women to be at high risk of developing severe COVID-19," she said.
- People over the age of 65 are at greater risk of experiencing more severe disease, since the likelihood of developing multiple health conditions increases with age, PAHO's director said. "But working-age adults – which refers to people from 15-64 – are not immune, as many of them live with one or more underlying health condition. Diabetes and chronic kidney disease, in particular, are especially prevalent among adult populations," she added.
  https://www.paho.org/en/news/21-7-2020-three-out-10-people-americas-are-increased-risk-severe-covid-19-because-underlying

NIH: Experimental coronavirus vaccine is safe and produces immune response

- Scientists began Phase 1 trials of an experimental vaccine for COVID-19 in mid-March. The vaccine, called mRNA-1273, is being co-developed by researchers at NIH's National Institute of Allergy and Infectious Diseases (NIAID) and the biotech company Moderna, Inc.
- The two-dose vaccine is designed to prompt the immune system to produce antibodies against a portion of the coronavirus "spike" protein, which the virus uses to bind to and enter human cells. The vaccine uses messenger RNA (mRNA), a molecule critical for the virus to produce protein.
- The team tested the vaccine in 45 healthy adults, ages 18 to 55. Participants were enrolled at study sites in Seattle and Atlanta. The investigational vaccine induced a strong immune response and was generally well tolerated. Antibody levels were higher with higher doses of the vaccine. In both the middle and high dose groups, the researchers observed high levels of neutralizing antibody activity through day 43 after the second injection. These levels were similar to the upper range found in patients who had recovered from COVID-19.
  https://www.nih.gov/news-events/nih-research-matters/experimental-coronavirus-vaccine-safe-produces-immune-response

Timeline for release of GOP relief proposal is in flux, White House negotiators say

- Treasury Secretary Steven Mnuchin called the discussions between White House negotiators and Senate Majority Leader Mitch McConnell "very productive," but acknowledged that while there is a "fundamental agreement," both sides still need to review and finalize text – which can be a time consuming process.
- "Whether this gets introduced today or not, we're still looking at the timing," Mnuchin said. Senate Republicans had planned to introduce the multi-part proposal on Thursday.
- White House Chief of Staff Mark Meadows acknowledged the time crunch negotiators currently face, given the upcoming weekend and the expected funeral of Rep. John Lewis next week.
- Negotiators are still working through the mechanical details of how to implement that given the issues many states have with their individual systems. The benefit extension would be through the end of the year.
- Mnuchin said on direct payments, "We're talking about the same provision as last time. Our proposal is the exact same provision as last time." Senate Republicans have proposed targeting the stimulus checks toward lower-income individuals. In the $2.2 trillion CARES Act, checks of up to $1,200 for individuals and $2,400 for families based on adjusted gross income, and $500 for each child.
  https://www.cnn.com/world/live-news/coronavirus-pandemic-07-23-20-intl/h_64aeeddd24f8db124171d31e525f450e

U.S. Existing-Home Sales Rose 20.7% in June

- A sluggish U.S. housing market is staging a recovery amid the pandemic, shaking off high unemployment and a rising number of infections as buyers with pent-up demand seize on record-low mortgage rates.
- Sales of existing homes jumped nearly 21% in June compared with May, according to the National Association of Realtors.
- It was the largest monthly gain since the Realtors began tracking the data in 1968 and came after sharp declines over the previous three months due to the coronavirus pandemic. Sales were still 11.3% lower annually.
- This count is based on closings, so it represents contracts signed in late April and May, before much of the national economy began to reopen and before the most recent surge in coronavirus cases.
- "We are facing an acute inventory shortage especially at the lower price points," said Yun. "The inventory levels are shrinking and shrinking, which could create a bottleneck for further home sales later."
  https://www.wsj.com/articles/u-s-existing-home-sales-rose-20-7-in-june-11595426758#comments_sector
  https://www.cnbc.com/2020/07/22/existing-home-sales-surge-nearly-21percent-in-june-the-highest-monthly-gain-on-record.html

Task Force Warns 11 Cities To Take 'Aggressive' Action On Virus

- As the number of new coronavirus cases in the U.S. approached 4 million Thursday, the White House coronavirus task force privately warned 11 U.S. cities to take "aggressive" steps to mitigate the spread of the virus.
- In a phone call with state and city leaders, Dr. Deborah Birx called out cities seeing increases in the percentage of tests coming back positive and urged them to act quickly to stem the outbreaks.
- Among Birx's recommendations were to trace the contacts of patients testing positive for the COVID-19 virus, according to the Center for Public Integrity.

- "When you first see that increase in test positivity, that is when to start the mitigation efforts," she said in a recording obtained by Public Integrity. "I know it may look small and you may say, 'That only went from 5 to 5-and-a-half [percent], and we're gonna wait and see what happens.' If you wait another three or four or even five days, you'll start to see a dramatic increase in cases."
- The cities Birx identified were Baltimore, Cleveland, Columbus, Indianapolis, Las Vegas, Miami, Minneapolis, Nashville, New Orleans, Pittsburgh and St. Louis.
  https://patch.com/us/across-america/new-stimulus-talks-begin-trump-aims-cut-funds-testing

City of Miami has issued 115 tickets for mask violations this week, mayor says

- The City of Miami has issued 115 tickets for face mask violations this week, Miami Mayor Francis Suarez said during a briefing Thursday morning.
- "We have written 115 tickets," Suarez said. The breakdown for tickets issues includes, "59 warnings, 41 $50 tickets, 15 $100 tickets and we have closed 15 businesses, 10 for 24 hours and five for 10 hours," Suarez added.
- ""We need to be more disciplined than ever," Suarez said. The mayor said he is not issuing a stay-at-home order for the city at this time. "
- Some background: Suarez announced that the Florida city would increase its penalties for people not adhering to its mask mandate, raising the amount from $50 to $100 for first and second offenses.
- The mayor told CNN this morning that 39 officers this week will be dedicated solely to mask enforcement. Funds collected from face mask violations will go to businesses impacted by the pandemic, he said.
  https://www.cnn.com/world/live-news/coronavirus-pandemic-07-23-20-intl/h_f88a1f73407e50cb0b88883b6f5eb2be

CIF announces high school sports season won't begin until December or January

- The start of the high school sports season in California will be delayed until December or January, the California Interscholastic Federation announced Monday.
- "This is the best possible plan we have with what's going on to give students an opportunity to participate," said Vicky Lagos, the Los Angeles City Section commissioner. "There are going to be issues in terms of facilities and multiple-sport athletes, but this is the best scenario for the most people. I have confidence the schools and coaches will work it out among themselves. My take from coaches is they want the opportunity to participate and be with the kids."
- Each of the 10 sections will release their own schedules built around the CIF calendar. The City Section and Southern Section both announced that football practice would begin Dec. 14, with games beginning on Jan. 8. High school football practice was scheduled to begin Aug. 3, with games Aug. 21.
  https://www.latimes.com/sports/highschool/story/2020-07-20/cif-delays-california-high-school-sports-season-until-december-or-january?utm_source=sfmc_100035609&utm_medium=email&utm_campaign=28015+Essential+California+07%2f21%2f20&utm_term=https%3a%2f%2fwww.latimes.com%2fsports%2fhighschool%2fstory%2f2020-07-20%2fcif-delays-california-high-school-sports-season-until-december-or-january&utm_id=10326&sfmc_id=3160688

COVID-19 leads to a spike in car thefts

- Car thefts in Los Angeles soared to a record high in the second quarter of 2020. A Crosstown analysis of Los Angeles Police Department data revealed that 5,744 vehicles were stolen from April-June, up 57.7% from the same period last year.

- The spike coincides with the arrival of the coronavirus pandemic. Although crime in general has decreased since mid-March, when schools were closed and businesses were shuttered in the effort to slow the spread of the COVID-19 virus, vehicle thefts have spiked. As Crosstown reported last month, April saw a 31% jump in car thefts, and the numbers have only climbed since then.
- It's a stark contrast to the first quarter of the year, which registered only a slight increase over January-March of 2019. Yet in June, there were 2,055 vehicles stolen, nearly double the 1,167 reported in the same month last year. There were more auto thefts between April-June than during any quarter since the LAPD began making its data public over a decade ago.
  https://xtown.la/2020/07/20/stolen-car-covid-19-los-angeles/?utm_source=sfmc_100035609&utm_medium=email&utm_campaign=28015+Essential+California+07%2f21%2f20&utm_term=https%3a%2f%2fxtown.la%2f2020%2f07%2f20%2fstolen-car-covid-19-los-angeles%2f&utm_id=10326&sfmc_id=3160688

San Bernardino County warns of COVID-19 testing scams
- Some self-proclaimed COVID-19 testing sites could be operated by scam predators using fake COVID-19 antibody testing kits to swindle unsuspecting residents out of money and personal information.
- San Bernardino County 1st District Supervisor Robert Lovingood said "the public should be warned about "scam testing sites" that he said tend to pop up in less-fortunate communities".
- "We understand that these scammers are using this current health crisis to take advantage of people who want to be tested,"
- "I think these predators are looking for people who are scared and desperate to know if they've been infected with COVID-19." the county's Department of Aging and Adult Services recently released a "Scam Alert" that explains how scammers lure the public to be tested by text message, email, or by setting up a fake testing site that includes legitimate-looking signage, tents and hazmat suits.
- The fraudulent sites do not follow sanitation protocols and can potentially spread COVID-19, the county said. The sites also use fake COVID-19 testing kits and collect personal information such as Social Security numbers and credit card information.
  https://www.vvdailypress.com/news/20200718/san-bernardino-county-warns-of-covid-19-testing-scams

LA's COVID-19 Threat Level Meter Explained
- The threat of COVID-19 is placed into four categories: Green, Yellow, Orange and Red. As the dial moves right (Green to Red), the threat to the community increases. As the dial moves left (Red to Green), the threat to the community decreases.
- **Orange**: High Risk
  - Minimize contact with people outside of household
  - COVID-19 is spreading at an uncontrolled level
  - Contract tracing and testing is starting to be strained
  - Hospitals are making plans for a surge
  - Wear face mask and do social distancing
  https://apnews.com/969fbbf44dd2ba1acea130f95b21ef62

The spread of COVID-19 in Los Angeles is currently at Threat Level Orange.

HIGH RISK

MINIMIZE ALL CONTACT

LAPD, LAFD Report More Employees Have Tested Positive For COVID-19

- The Los Angeles Police Department reported Monday an additional 15 employees have tested positive for COVID-19, bringing the department's total to 419.
- Los Angeles Fire Department has reported five additional employees have tested positive for the virus bringing the department's cumulative caseload to 137, the city's Emergency Operations Center said.
  https://losangeles.cbslocal.com/2020/07/20/lapd-lafd-employees-covid-19/

One Good Thing

- Stories about the kindness of strangers and individuals who sacrifice for others.
  https://apnews.com/OneGoodThing & https://www.goodnewsnetwork.org/

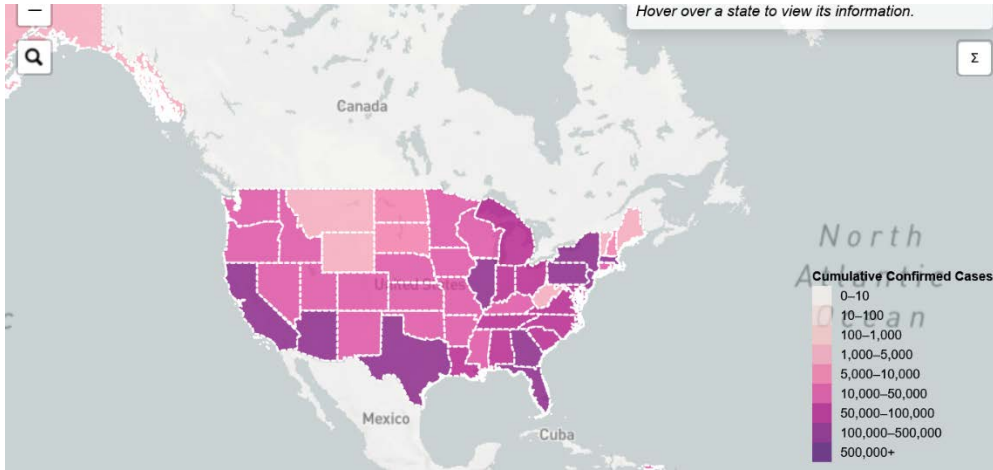**Article: Comet Neowise Drops In As He Drops To His Knee In Cosmic Proposal**

- Comet Neowise was the perfect "Plan B" for a Utica, New York, man whose plan to propose to his girlfriend was scuttled by the coronavirus.
  https://patch.com/new-york/across-ny/comet-neowise-drops-he-drops-his-knee-cosmic-proposal

Information

Data & Prediction Models

- **Columbia University**
  https://columbia.maps.arcgis.com/apps/webappviewer/index.html?id=ade6ba85450c4325a12a5b9c09ba796c
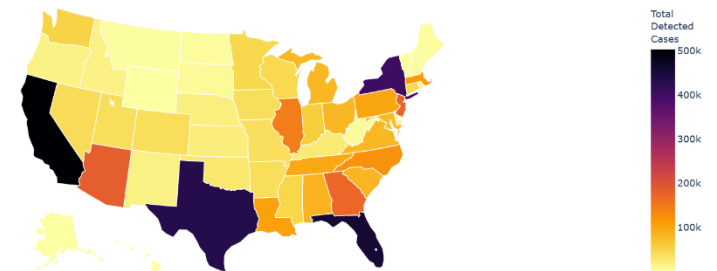

- **Los Alamos National Laboratory**
- https://covid-19.bsvgateway.org/
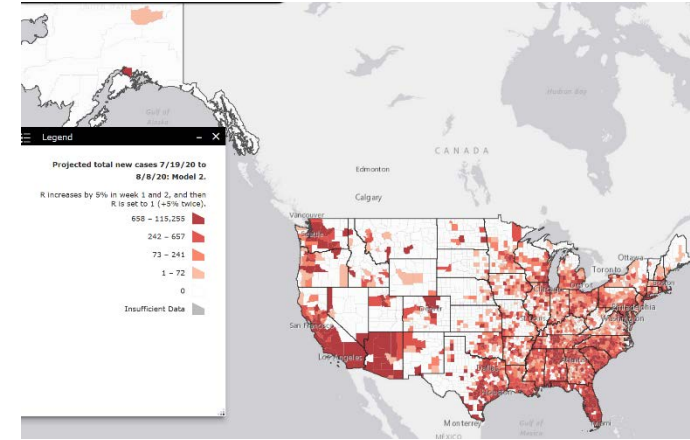
- **Massachusetts Institute of Technology**
  https://www.covidanalytics.io/projections

U.S. Data
Covid-19 Case Cluster (past 48 hours)

https://www.cdc.gov/covid-data-tracker/index.html
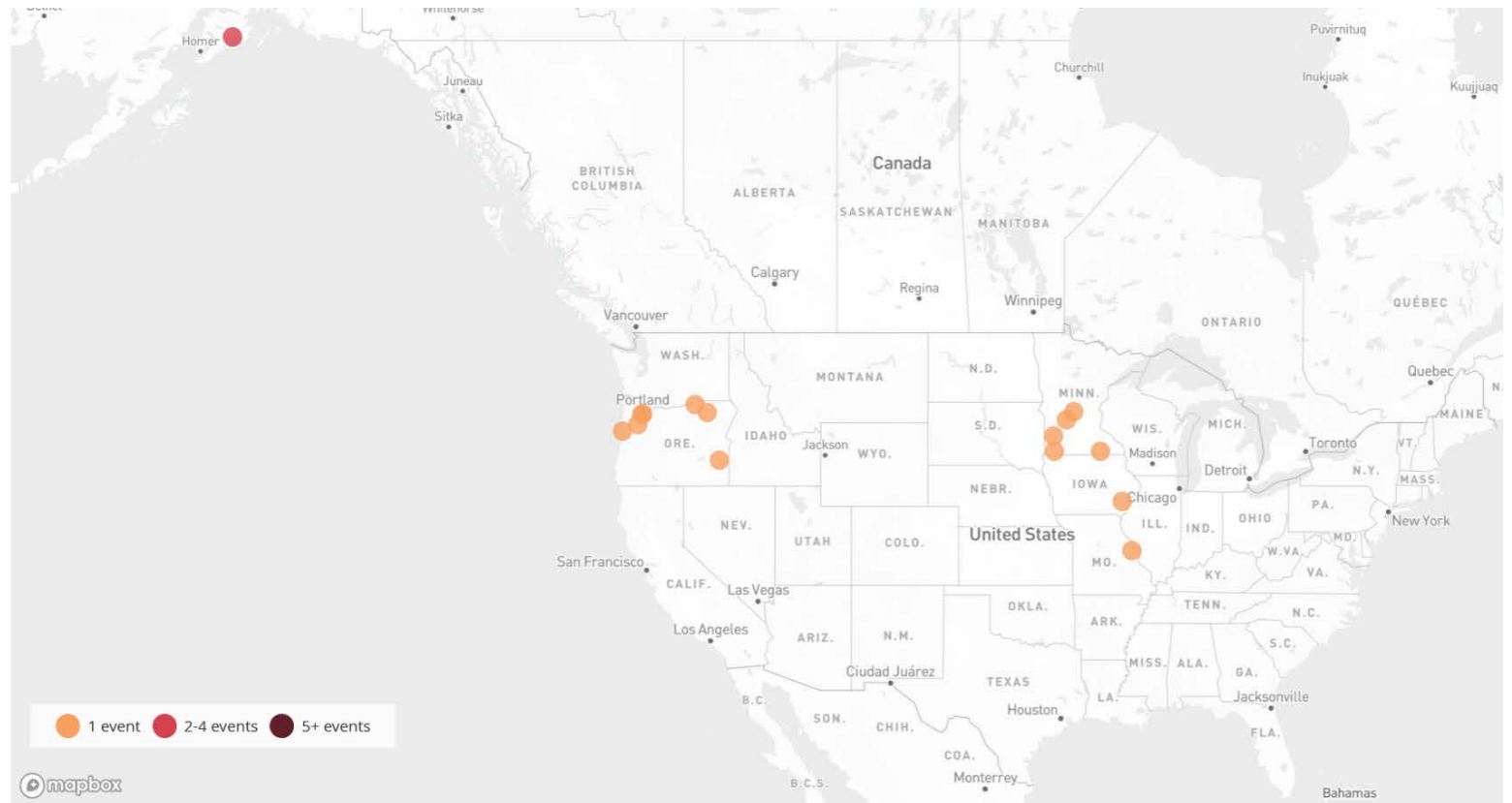
ARTICLES:

Seward announced 96 new COVID-19 cases at a seafood plant as a trawler with 85 infected crew arrived. They're all headed for Anchorage.
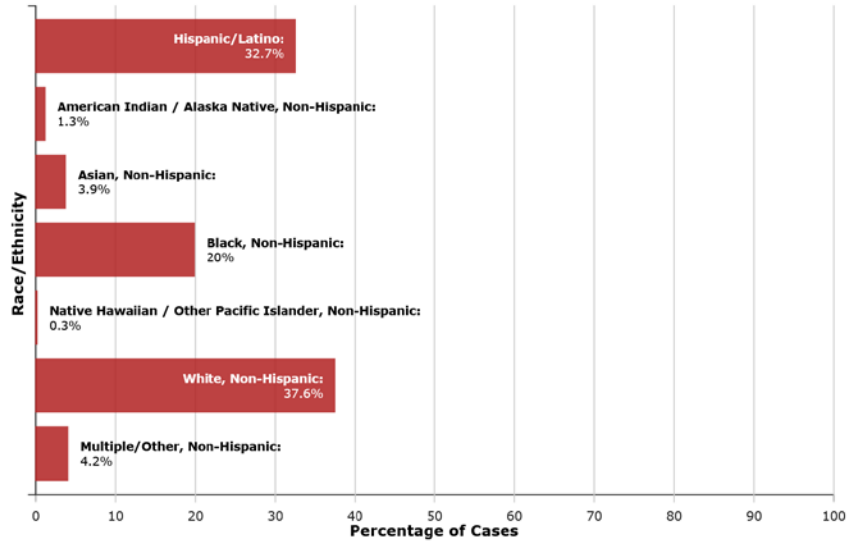
19 students test positive for COVID-19 after Missouri high school graduation, prom

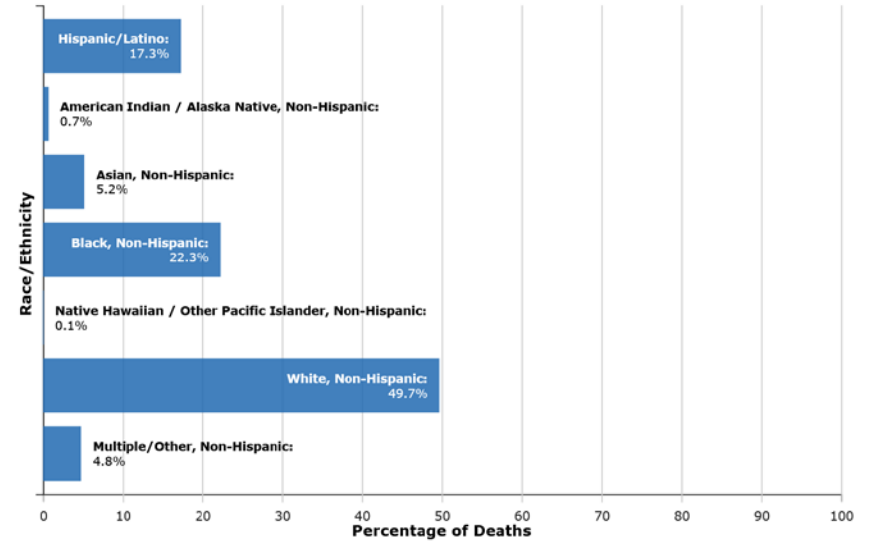# Demographic Trends of COVID-19 cases and deaths in the US reported to CDC

Cases by Race/Ethnicity:
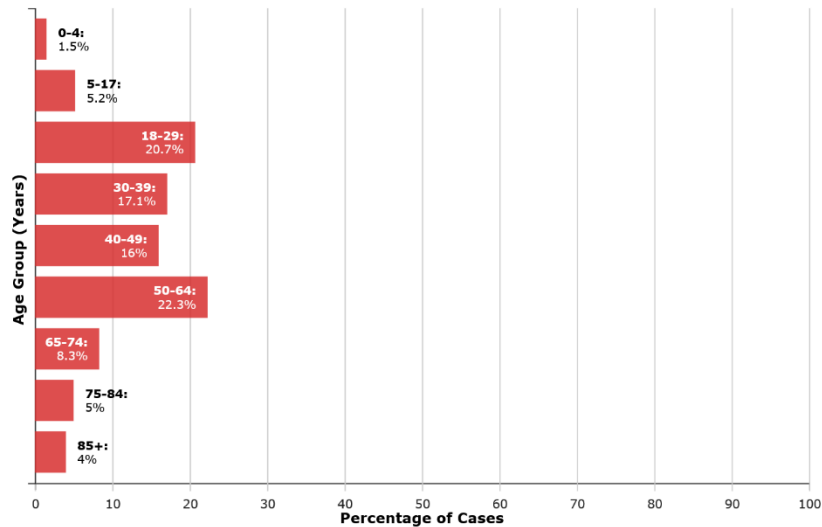Data from 2,500,332 cases. Race/Ethnicity was available for 1,426,351 (57%) cases.

All Age Groups ▾

- Hispanic/Latino: 32.7%
- American Indian / Alaska Native, Non-Hispanic: 1.3%
- Asian, Non-Hispanic: 3.9%
- Black, Non-Hispanic: 20%
- Native Hawaiian / Other Pacific Islander, Non-Hispanic: 0.3%
- White, Non-Hispanic: 37.6%
- Multiple/Other, Non-Hispanic: 4.2%

Race/Ethnicity (y-axis), Percentage of Cases (x-axis)

Deaths by Race/Ethnicity:
Data from 111,231 deaths. Race/Ethnicity was available for 93,560 (84%) deaths.

All Age Groups ▾

- Hispanic/Latino: 17.3%
- American Indian / Alaska Native, Non-Hispanic: 0.7%
- Asian, Non-Hispanic: 5.2%
- Black, Non-Hispanic: 22.3%
- Native Hawaiian / Other Pacific Islander, Non-Hispanic: 0.1%
- White, Non-Hispanic: 49.7%
- Multiple/Other, Non-Hispanic: 4.8%

Race/Ethnicity (y-axis), Percentage of Deaths (x-axis)

Cases by Age Group:
Data from 2,996,967 cases. Age group was available for 2,887,313 (96%) cases.

- 0-4: 1.5%
- 5-17: 5.2%
- 18-29: 20.7%
- 30-39: 17.1%
- 40-49: 16%
- 50-64: 22.3%
- 65-74: 8.3%
- 75-84: 5%
- 85+: 4%

Age Group (Years) (y-axis), Percentage of Cases (x-axis)

Deaths by Age Group:
Data from 111,572 deaths. Age group was available for 111,558 (99%) deaths.

- 0-4: <0.1%
- 5-17: <0.1%
- 18-29: 0.5%
- 30-39: 1.3%
- 40-49: 3.1%
- 50-64: 15.5%
- 65-74: 20.9%
- 75-84: 26.4%
- 85+: 32.4%

Age Group (Years) (y-axis), Percentage of Deaths (x-axis)
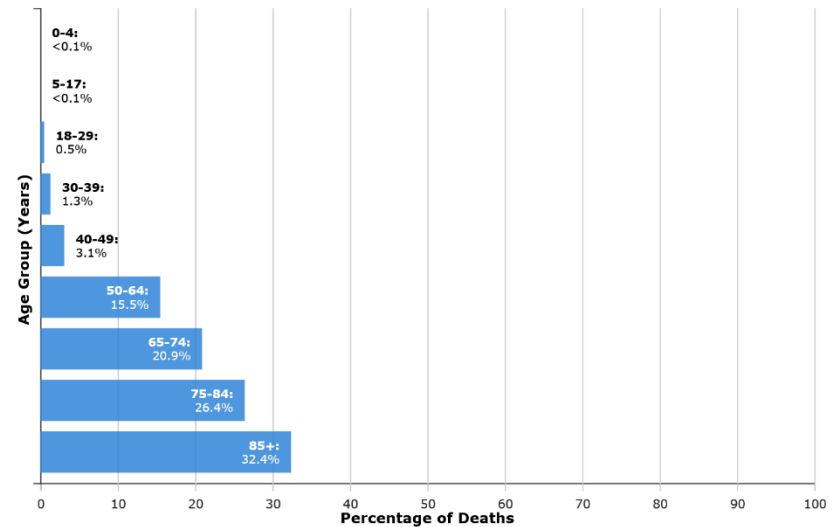
COVID-19 Update

Situation: Upward trajectory in COVID-19 case count continues across 21 (-9) states, with 21 (+6) states in a plateau status. 30,243 Federal employees deployed / activated; 2,245 (+9) FEMA employees deployed.

Nationwide Testing: 50,343,272 (+1,740,157) cumulative *(as of July 22)*

COVID-19 positive cases continue to increase globally
(CDC COVID-19 Response Update as of July 22)
- Confirmed Cases of COVID-19
  - United States: 3,882,167 (+63,028)
  - Worldwide: 14,562,550 (+213,637)
- Deaths caused by COVID-19
  - United States: 141,677 (+1,047)
  - Worldwide: 607,781 (+4,083)

(COVID-19 SLB, July 22)

Response:
- NRCC at Level I
- Regions I, II, III, V, VI, & X RRCCs at Level III
- Regions IV, VII, VIII, & IX RRCCs are rostered
- Regions VII & IX COVID-19 response being worked from the Virtual JFO
- NWC, all RWCs, and MOCs are monitoring
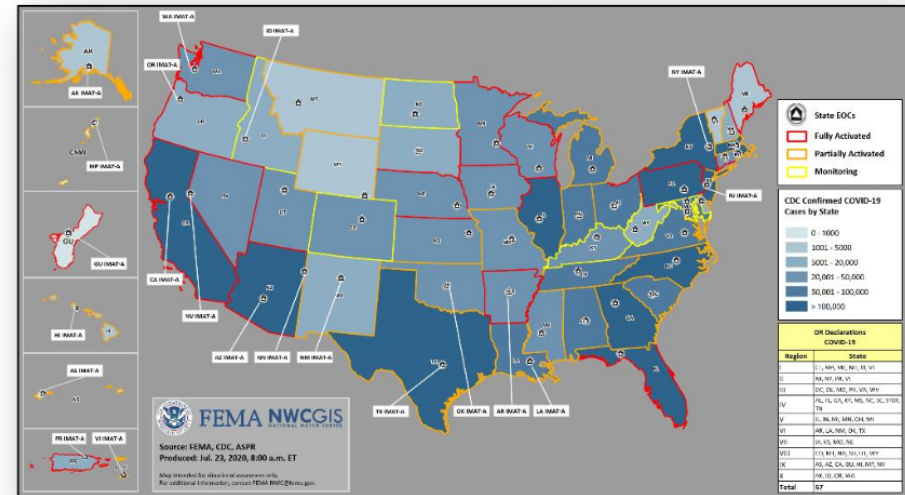
State Data

Statewide industry guidance to reduce risk

Open sectors in counties with variance

Data models

Take the State survey

Track county data and monitoring status

California Statistics
Total Population: **40,129,160**

124,108
New Cases (Last 14 Days)

309.3 Per 100K
413,576 Total Cases

1,308
New Deaths (Last 14 Days)
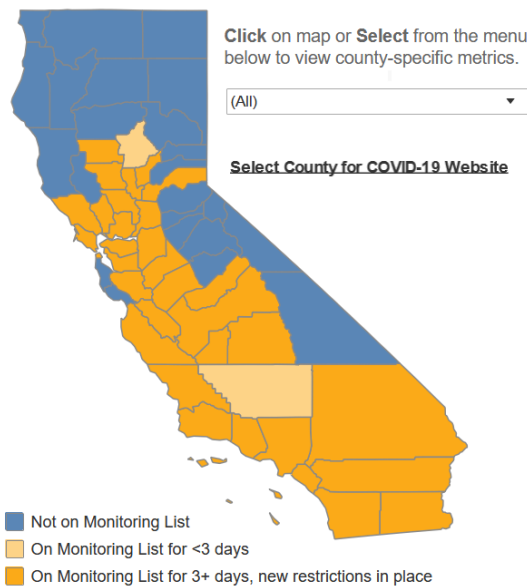
3.3 Per 100K
7,870 Total Deaths

1,668,244
Tests Reported (Last 14 Days)

7.4% Test Positivity
3.0 Daily per 1,000 Residents
6,664,419 Total Tests Reported

Click on map or Select from the menu below to view county-specific metrics.

(All)

Select County for COVID-19 Website

■ Not on Monitoring List
■ On Monitoring List for <3 days
■ On Monitoring List for 3+ days, new restrictions in place

California COVID-19 By The Numbers

July 22, 2020
Numbers as of July 21, 2020

CALIFORNIA COVID-19 SPREAD

413,576 (+12,807)
TOTAL CASES

Ages of Confirmed Cases
- 0-17: 35,962
- 18-49: 249,412
- 50-64: 80,056
- 65+: 47,673
- Unknown/Missing: 473

Gender of Confirmed Cases
- Female: 206,176
- Male: 205,180
- Unknown/Missing: 2,220

7,870 (+115)
Fatalities

Hospitalizations

Confirmed COVID-19
7,170/2,058
Hospitalized/in ICU

Suspected COVID-19
1,650/226
Hospitalized/in ICU

For county-level hospital data:
bit.ly/hospitalsca

Your actions save lives.

For county-level data:
data.chhs.ca.gov

covid19.ca.gov

CALIFORNIA ALL

California Department of PublicHealth

Check for your county:

		Elevated Disease Transmission		Increasing Hospitalization	Limited Hospital Capacity	
Threshold	<150	Case Rate >100 OR Case Rate >25 AND Positivity >8%		>10% Increase	<20% ICU Beds Available OR <25% Ventilators Available	
County	Avg # tests per day (per 100,000 population) (7 day average with a 7 day lag)	Case rate per 100,000 (14 days)	Testing positivity (%) (7 day average with a 7 day lag)	% Change in 3-day avg COVID+ hospitalized patients	% ICU beds currently available	% Ventilators currently available
Alameda*	194.8	✓	✓	✓	✓	✓
Alpine	511.6	✓	✓	✓	✓	✓
Amador	203.2	✓	✓	✓	✓	✓
Butte	98.3	118.0	✓	35.3	15.8	✓

Sort by

Positive Cases ▼

Positive Cases by County

County	Cases
Los Angeles	162,205
Riverside	32,231
Orange	31,356
San Bernardino	25,323
San Diego	24,522
Kern	11,998
Fresno	11,412
Alameda	9,390
San Joaquin	9,150
Santa Clara	7,989
Sacramento	7,789
Imperial	7,458
Tulare	7,447
Stanislaus	6,984
Contra Costa	6,210
Ventura	6,131
Santa Barbara	5,422
San Francisco	5,377
San Mateo	4,733
Marin	4,318
Monterey	3,404
Kings	3,187
Solano	2,727
Merced	2,725
Sonoma	2,200
Madera	1,508
Placer	1,413
San Luis Obispo	1,338
Yolo	1,204
Santa Cruz	835
Napa	660
Butte	659

CALIFORNIA CASE STATISTICS

Positive Cases

413,576

Day-Over-Day New Cases

1 Day Δ	14 Day Δ
+12,807	+124,108
+3.2%	+42.9%

331 ... 12,807

4/1 4/23 5/15 6/6 6/28 7/20

US Total Cases: 3,819,139
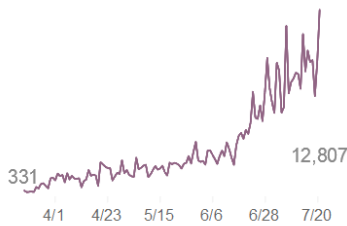
Note: Numbers may not represent true day-over-day change as reporting of test results can be delayed.

Deaths

7,870

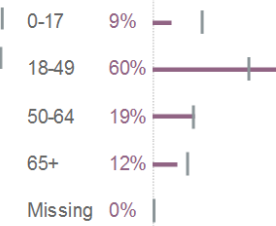Day-Over-Day New Deaths

115

1 Day Δ	14 Day Δ
+115	+1,308
+1.5%	+19.9%

4/1 4/23 5/15 6/6 6/28 7/20

US Total Deaths: 140,630

CALIFORNIA TESTING RESULTS

Tests Reported
(by 25 public labs)

6,664,998

Cumulative Total Tests Reported

6,664,998

4/1 4/23 5/15 6/6 6/28 7/20

1 Day Δ	14 Day Δ	Positivity:
+127,487	+1,668,823	7 Day: **7.6%**
+2.0%	+33.4%	14 Day: **7.4%**

CASE DEMOGRAPHICS

| = California Population %
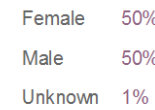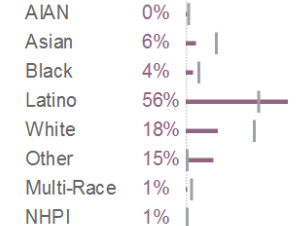
Cases

Gender

Female	50%
Male	50%
Unknown	1%

Age

0-17	9%
18-49	60%
50-64	19%
65+	12%
Missing	0%

Race/Ethnicity

AIAN	0%
Asian	6%
Black	4%
Latino	56%
White	18%
Other	15%
Multi-Race	1%
NHPI	1%

Deaths

Gender

Female	43%
Male	57%
Unknown	0%

Age

0-17	0%
18-49	7%
50-64	17%
65+	76%
Missing	0%

Race/Ethnicity

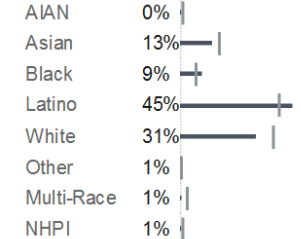| AIAN	0%
Asian	13%
Black	9%
Latino	45%
White	31%
Other	1%
Multi-Race	1%
NHPI	1%

Note: Demographic percentages may not add up to 100% due to rounding. Breakdown of deaths is a subset of total deaths as reported by law enforcement.
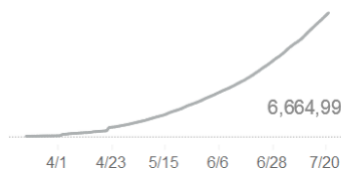
Riverside County Data

RUHS Public Health:

Advisory Concerning Live Music Events - July 20, 2020

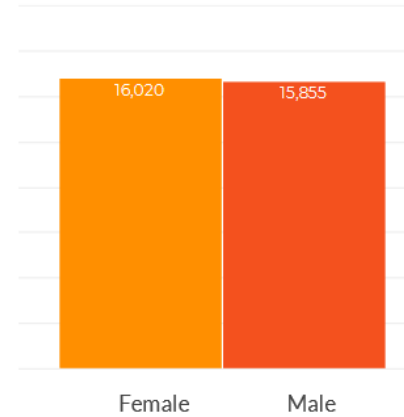## RIVERSIDE COUNTY COVID-19 CASES
DATA SUMMARY

Jul 22, 2020

TOTAL CASES	31,982
NEW CASES	1,092
TOTAL DEATHS	618
NEW DEATHS	29
TOTAL RECOVERED	11,270
CURRENT HOSPITALIZED (includes ICU)	528
CURRENT ICU	143
DOUBLING TIME	25.7

COVID-19 Deaths by Age Group

0-17	18-24	25-44	45-64	65-84	85+
0	3	25	148	306	136

COVID-19 Deaths by Sex

Female	Male
262	356

COVID-19 Deaths by Race/Ethnicity

Race/Ethnicity	Deaths
American Indian or Alaska Native	4
Asian	22
Black or African American	39
Hispanic/ Latinx	294
Multiple Race	7
Native Hawaiian / Pacific Islander	1
Unknown	34
White	217

Date	American Indian or Alaska Native % Death	Asian % Death	Black or African American % Death	Hispanic/ Latinx % Death	Multiple Race % Death	Native Hawaiian/ Pacific Islander % Death	Unknown % Death	White % Death
Jul 22, 2020	0.65	3.57	6.36	47.65	1.13	0.16	5.51	35.17

RIVERSIDE COUNTY COVID-19 CASES
DATA SUMMARY

Jul 22, 2020 -

COVID-19 Cases by Age Group

Age Group	Cases
0-17	2,696
18-24	4,395
25-44	12,312
45-64	9,007
65-84	3,005
85+	528

COVID-19 Cases by Sex
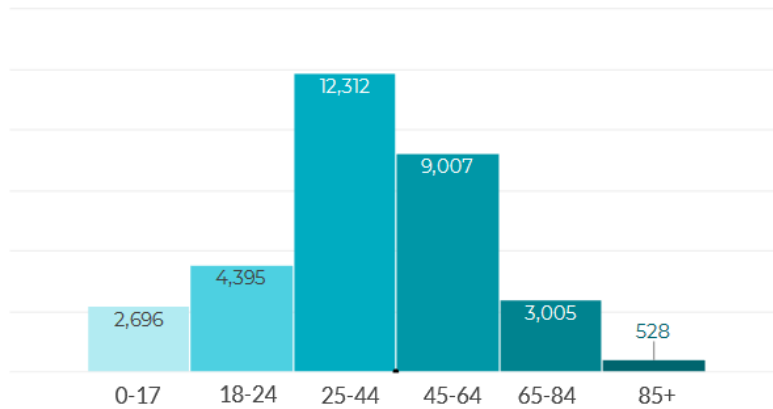
Sex	Cases
Female	16,020
Male	15,855

COVID-19 Cases by Race/Ethnicity

Race/Ethnicity	Cases
American Indian or Alaska Native	51
Asian	611
Black or African American	775
Hispanic/ Latinx	11,196
Multiple Race	113
Native Hawaiian / Pacific Islander	80
Unknown	15,565
White	3,591
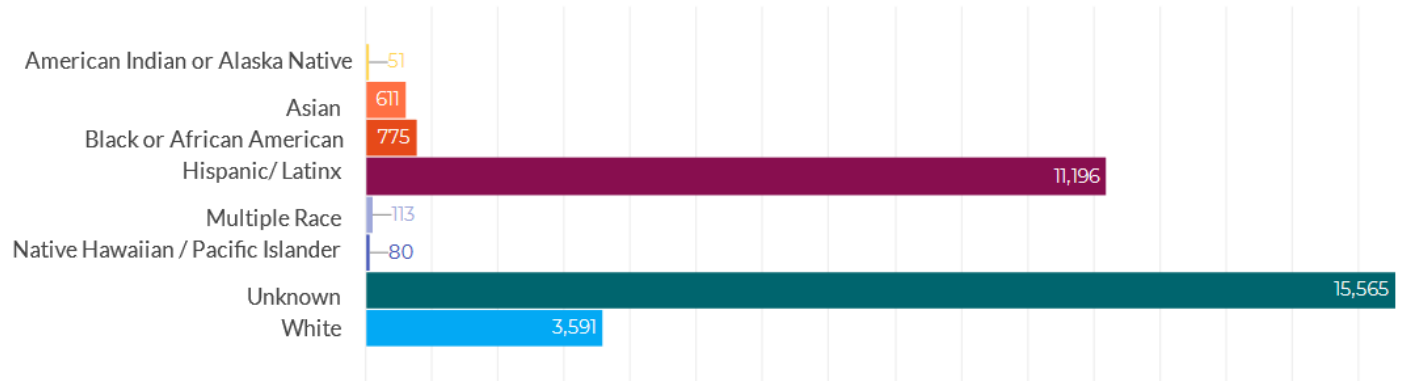
Date	American Indian or Alaska Native % Cases	Asian % Cases	Black or African American % Cases	Latinx % Cases	Multiple Race % Cases	Native Hawaiian/ Pacific Islander % Cases	Unknown % Cases	White % Cases
Jul 22, 2020	0.2	1.9	2.4	35	0.4	0.3	48.7	11.2

RIVERSIDE COUNTY COVID-19 TRAJECTORY

Jul 22, 2020 - Jul 22, 2020

Trajectory for July 20th:
29,809 projected cases (cumulative)

COVID-19 Cases
Recent Doubling Time
(3-Day Average)
25.7
days

Initial
Trajectory

Confirmed COVID-19 Cases

— Current Trajectory (as of July 7... — Trajectory (as of June 16th) Confirmed COVID-19 Cases — Initial COVID-19 Trajectory

MAJOR EVENTS:

March 13th: Public Health Officer orders school closure
March 19th: California Governor orders stay at home
April 4th: Public Health Officer orders stay at home
and cover the face
April 18th: Asymptomatic testing begins

May 1st: Riverside County reverts to State orders
May 8th: Riverside County begins Phase 2
May 22nd: Riverside County accelerates to Phase 2.5
May 25: Memorial Day
June 1: Protest Downtown Riverside

June 29th: Bar closures ordered in Riverside County
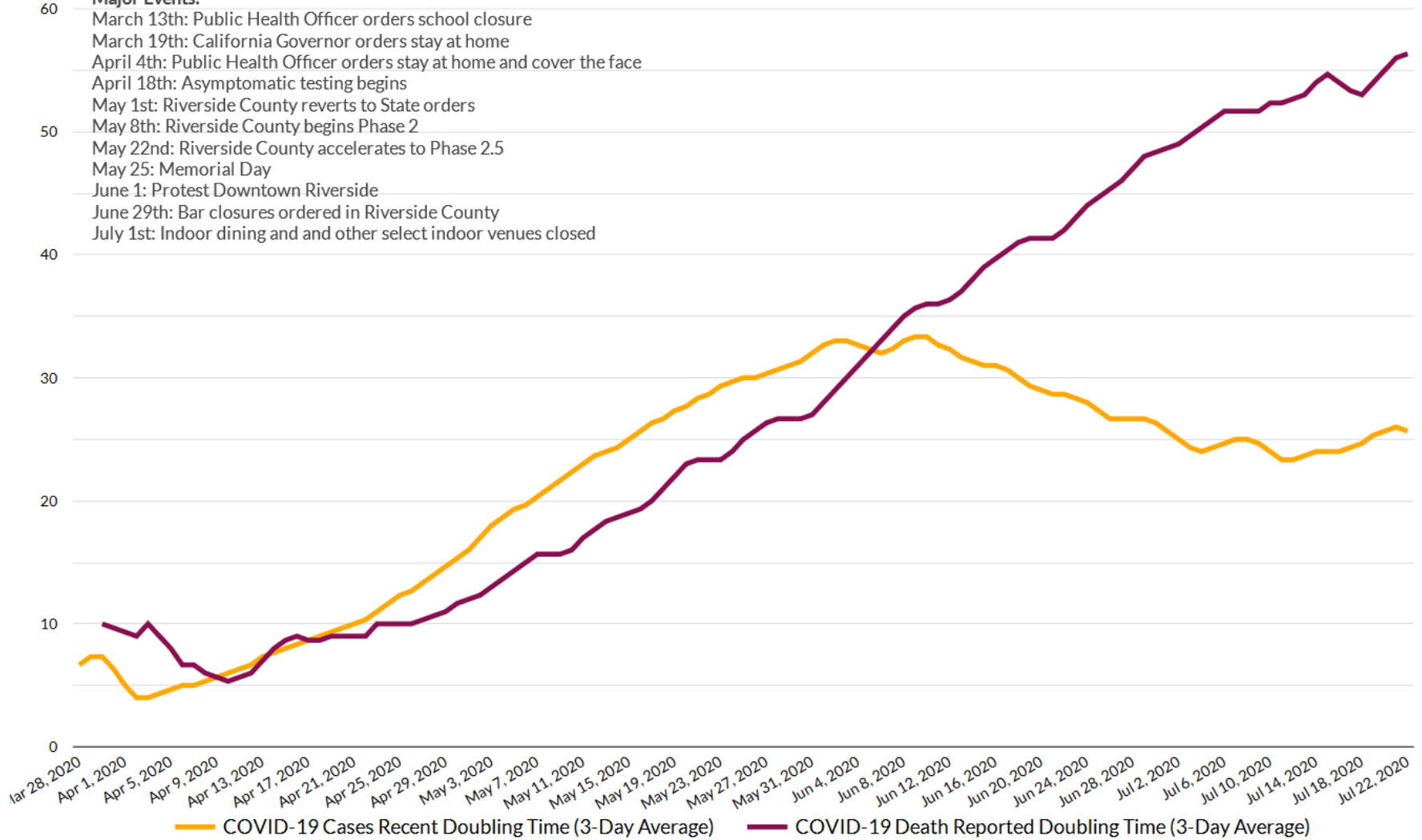July 1st: Indoor dining and and other select indoor
venues closed

Prepared by Justin Czerniak
justin.czerniak@norcocollege.edu

COVID-19 RESPONSE
Riverside University Health System - Public Health

Major Events:
March 13th: Public Health Officer orders school closure
March 19th: California Governor orders stay at home
April 4th: Public Health Officer orders stay at home and cover the face
April 18th: Asymptomatic testing begins
May 1st: Riverside County reverts to State orders
May 8th: Riverside County begins Phase 2
May 22nd: Riverside County accelerates to Phase 2.5
May 25: Memorial Day
June 1: Protest Downtown Riverside
June 29th: Bar closures ordered in Riverside County
July 1st: Indoor dining and and other select indoor venues closed

— COVID-19 Cases Recent Doubling Time (3-Day Average)   — COVID-19 Death Reported Doubling Time (3-Day Average)

Based on case report date and death report date

Major Events:
March 13th: Public Health Officer orders school closure
March 19th: California Governor orders stay at home
April 4th: Public Health Officer orders stay at home and cover the face
April 18th: Asymptomatic testing begins
May 1st: Riverside County reverts to State orders
May 8th: Riverside County begins Phase 2
May 22nd: Riverside County accelerates to Phase 2.5
May 25: Memorial Day
June 1: Protest Downtown Riverside
June 29th: Bar closures ordered in Riverside County
July 1st: Indoor dining and and other select indoor venues closed

Legend: COVID-19 New Cases (7-Day Average) — COVID-19 New Cases Reported
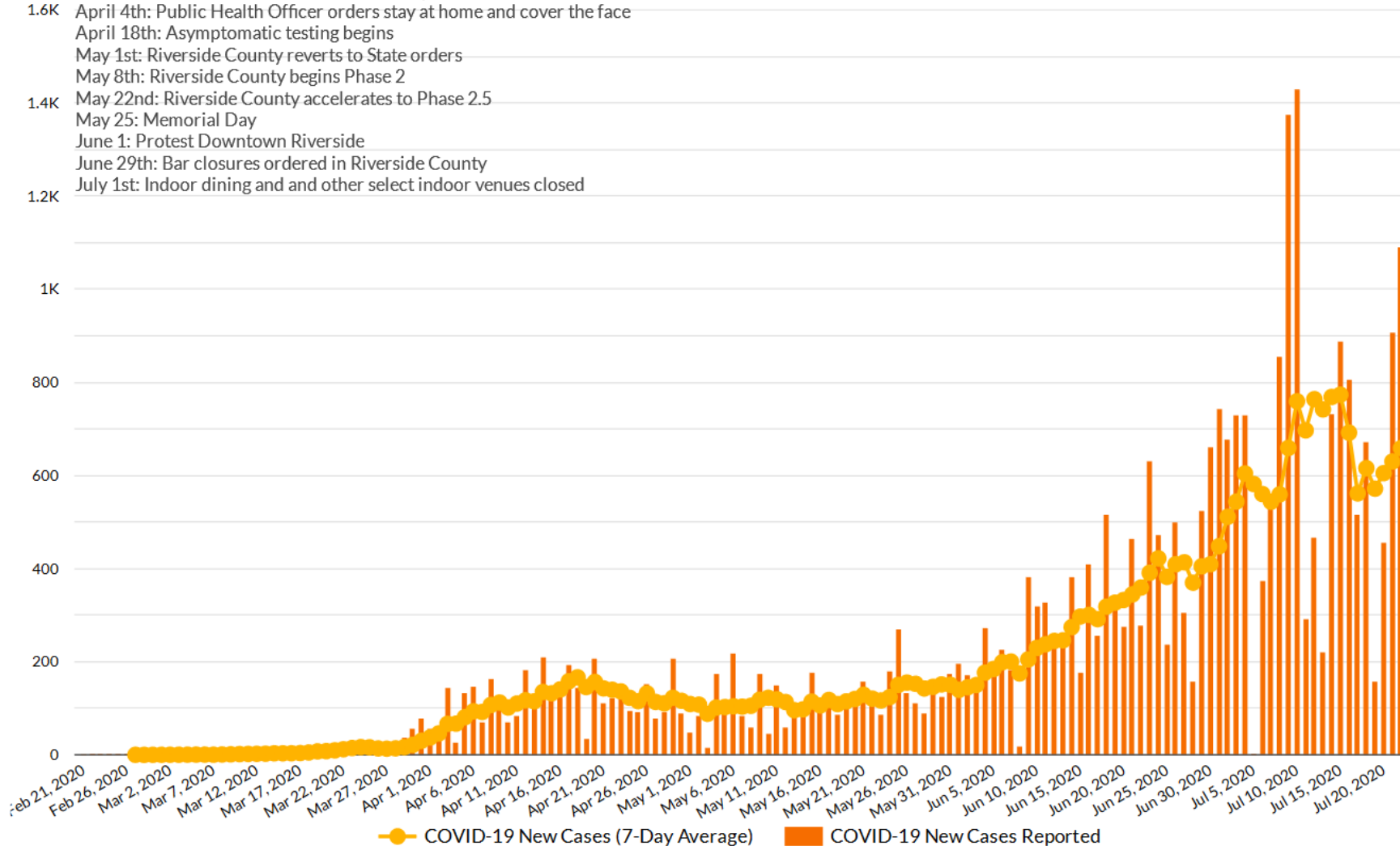
*Based on case report date

**No cases reported on 7/5 due to July 4th holiday weekend

Prepared by Justin Czerniak
justin.czerniak@norcocollege.edu

RIVERSIDE COUNTY COVID-19 CASES
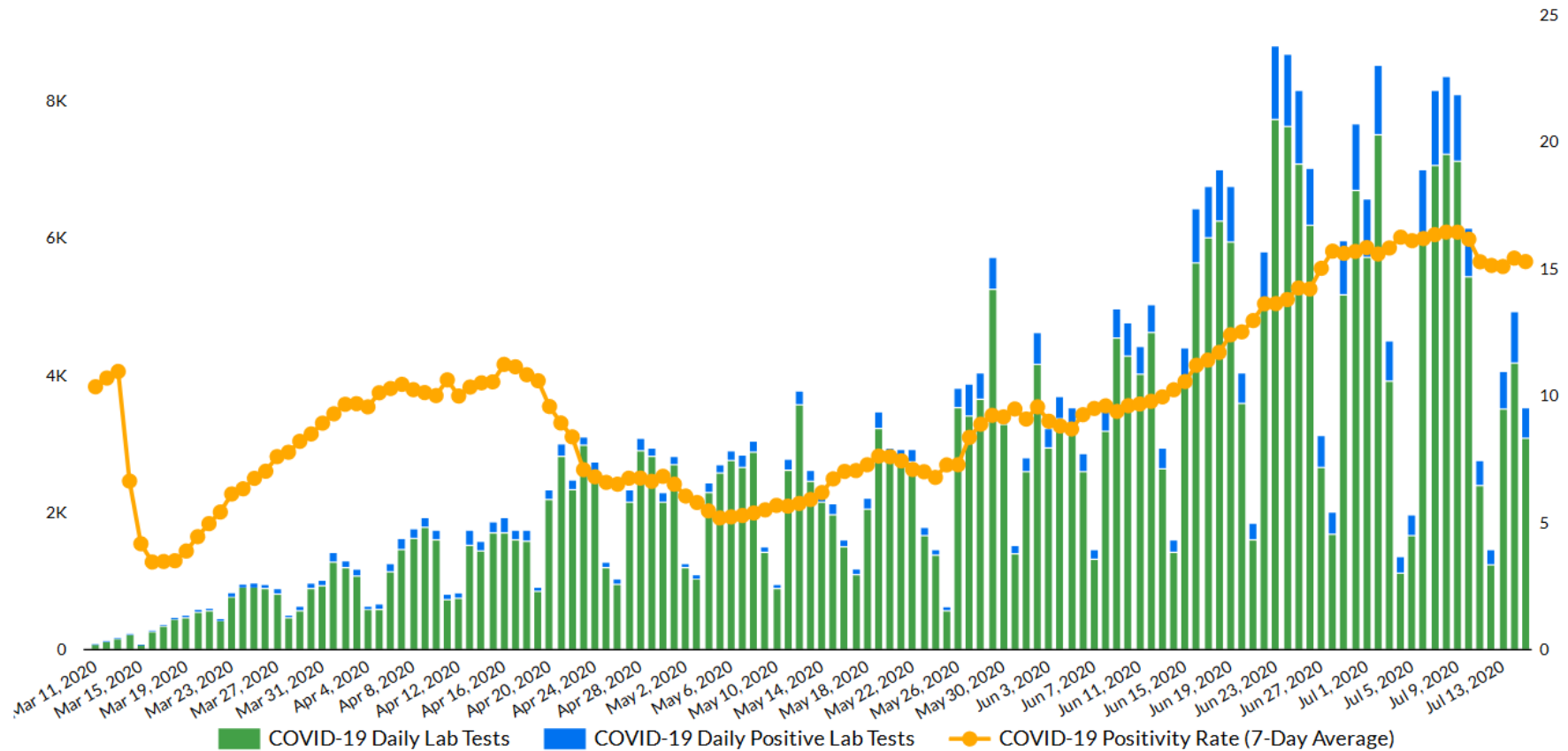## by lab specimen collection date

Positivity rate is now determined using specimen collection date with a 7-day lag to align with State methodology

POSITIVE*
37,103

TESTS RESULTED*
335,805

Date	Recent Positivity Rate
Jul 15, 2020	15.3
Jul 14, 2020	15.4
Jul 13, 2020	15.1

Legend: COVID-19 Daily Lab Tests — COVID-19 Daily Positive Lab Tests — COVID-19 Positivity Rate (7-Day Average)

*Based on lab specimen collection date
*Numbers are based on lab reporting and may slightly differ from confirmed case counts

Prepared by Justin Czerniak
justin.czerniak@norcocollege.edu

Weather

COVID-19 Weather Support

Issued:

1100 AM July 22 2020

NATIONAL WEATHER SERVICE
SAN DIEGO, CA

IMPACT SCALE

None   Minor   Moderate   High   Extreme

Resources

- https://www.weather.gov/spot/
- https://inws.ncep.noaa.gov
- https://www.wrh.noaa.gov/sgx/event/dsstable.php

(858) 675 - 8705
(24/7, Restricted)

Weather.gov/SanDiego

7-day Forecast for Counties in far Southwest CA

Period July 22 - July 29 (24-hr)	Orange	SW San Bernardino	All Deserts	Western Riverside	San Diego
Today	None	None	Warm Breezy	None	None
Thursday	None	None	None	None	None
Friday	None	None	None	None	None
Saturday	None	None	None	None	None
Sunday	None	None	None	None	None
Monday	None	None	Warm	None	None
Tuesday	None	None	Warm	None	None
Wednesday	None	None	Warm	None	None

Forecast Discussion

Warm and breezy conditions will be seen across mountain passes and deserts today. The highest winds will occur through this afternoon and evening, with wind gusts of 30-45 mph possible at times. Widespread cooler temperatures are expected on Thursday, with high temperatures looking to range 5-10 degrees below average as a weak upper-level system impacts the California coast. A gradual warm up will occur through the second half of the weekend into early next week, with temperatures returning to seasonal averages.

Latest hazard threat table: https://www.wrh.noaa.gov/sgx/event/dsstable.php

Table updated: 204 am PDT Thu. 7/23/2020 (Last Update: 507 minutes ago)
Click for Text Forecast
SGX Forecast Discussion
1 miles WSW of Norco, CA

Weekly Summary	Thu Jul 23	Fri Jul 24	Sat Jul 25	Sun Jul 26	Mon Jul 27	Tue Jul 28	Wed Jul 29
Max Temp, °F	84	86	89	89	91	92	93
Max Heat Index, °F	83	85	88	88	89	90	92
Min Temp, °F	60	60	62	63	62	63	64
Max Wind, mph	15	15	15	14	14	14	14
Min Wind, mph	3	1	0	1	1	1	2
Max Wind Gust, mph	23	24	23	23	23	23	23
Max Cloud Cover, %	4	37	37	27	7	8	7
Min Cloud Cover, %	3	3	2	3	4	6	6
Max Prob. of Precip., %	0	0	0	0	0	0	0
Max RH, %	72	93	86	86	86	84	83
Min RH, %	40	38	34	35	31	32	32
Max Dew Point, °F	58	58	59	60	58	59	59
Min Dew Point, °F	57	57	57	57	56	57	58
Min Snow Level, x1000ft.	10.1	10	10	11.1	11.7	12.6	13.3

Outlooks	Day 1	Day 2	Day 3
Severe Thunderstorm	Not Expected	Not Expected	Not Expected
Excessive Rainfall	Not	Not	Not

Hourly Table

Day of week:	Thursday 7/23														Friday 7	
Time:	10AM	11AM	12PM	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	12AM	1A
Weather:	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Temperature (°F):	70	75	79	82	84	83	83	82	79	76	73	70	68	66	65	6
Heat Index, °F:	70	75	79	82	83	82	83	81	79	76	73	70	68	67	65	6
Wind Speed (mph):	3	6	8	9	13	14	14	15	14	14	10	8	8	5	3	3
Wind Gust (mph):	8	13	15	16	22	22	23	23	23	22	17	15	14	10	9	8
Wind Direction (°):	280	270	270	270	270	270	270	260	270	270	280	280	280	280	290	30
Wind Direction:	→	→	→	→	→	→	→	→	→	→	→	→	→	→	↘	↘
Prob. of Precip. (%):	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prob. of Thunder (%):	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Precip. Amount (in.):																
Snow (in.):																
Ice (in.):	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dew Point (°F):	58	58	57	57	57	57	57	57	57	57	57	57	57	57	57	5
RH (%):	65	55	48	43	40	41	41	43	47	53	58	64	69	72	76	7
Sky Cover (%):	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3
Snow Level (x1000 ft.):	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10

Tropical Outlook – Atlantic

*Tropical Depression Eight* (Advisory #2 as of 5:00 a.m. ET)
- Located 425 miles ESE of Port O'Connor, TX
- Maximum sustained winds of 30 mph
- Moving WNW at 9 mph
- Expected to make landfall along the TX coast on Saturday
- Could become a tropical storm within a day
- Tropical Storm Watch in effect from Port Mansfield to High Island, TX
- Expected to produce 3 to 5 inches of rain (isolated totals of 8 inches possible) through Monday along the Gulf Coast from LA to lower TX
- Swells expected to increase along TX and LA coasts today

Tropical Storm Gonzalo (Advisory #7 as of 5:00 a.m. ET)
- 970 miles E of the southern Windward Islands
- Moving W at 12 mph
- Maximum sustained winds 65 mph
- Expected to become a hurricane later today
- Tropical storm force winds extend outward 35 miles

Precipitation – Tropical Depression Eight
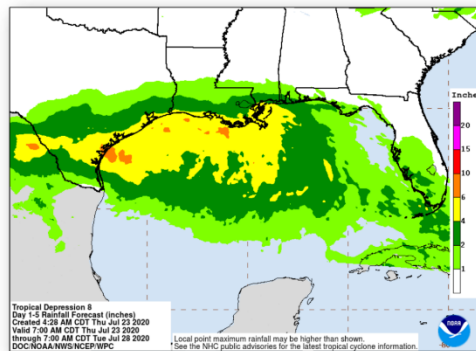
Tropical Outlook – Eastern Pacific

Hurricane Douglas *(Advisory #12 as of 5:00 a.m. ET)*

- 1,470 miles ESE of Hilo, HI
- Moving WNW at 17 mph
- Category 3 hurricane; maximum sustained winds 120 mph
- Hurricane force winds extend outward up to 25 miles
- Tropical storm force winds extend outward up to 105 miles
- Some strengthening is possible today, followed by gradual weakening beginning on Friday
- Forecast to move through the Hawaiian Islands Sunday and Monday as a strong tropical storm

Disturbance 1 *(as of 8:00 a.m. ET)*

- Forecast to form S of the southern coast of Mexico this weekend
- Gradual development is possible early next week
- Formation chance through 48 hours: Low (near 0%)
- Formation chance through 5 days: Low (20%)

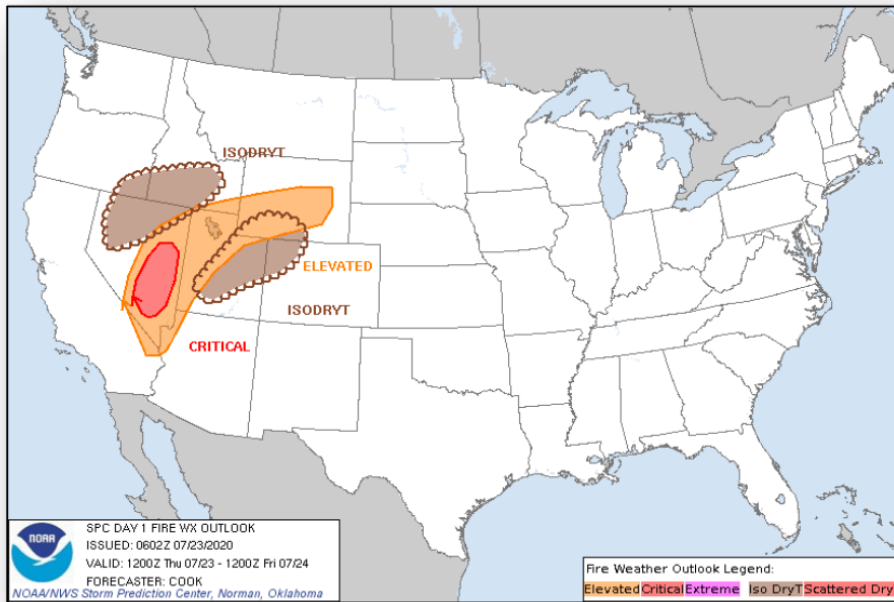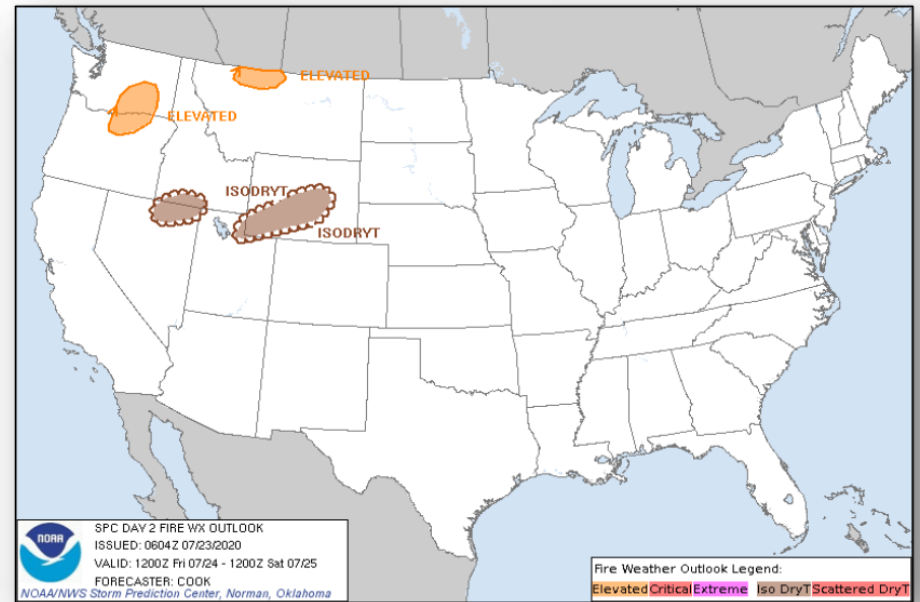# Tropical Outlook – Central Pacific
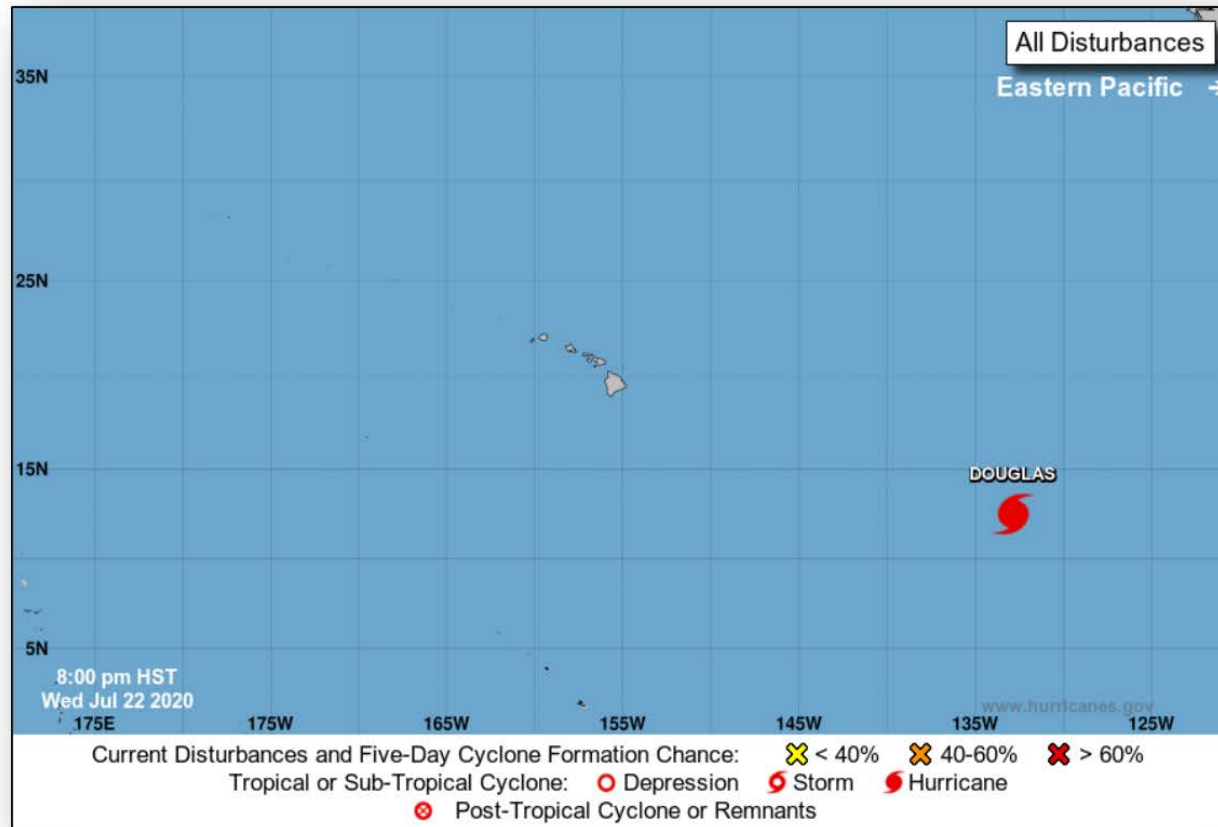
Fire Weather Outlook

Today

Tomorrow