CORONAVIRUS UPDATE — SOUTHERN CALIFORNIA

**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

COVID-19 by the Numbers

07/22/2020	Riverside	Imperial	Kern	Los Angeles	Orange	San Bernardino	San Diego	San Luis Obispo	Sana Barbra	Ventura	California	United States	Global
Total Cases	31,163	7,337	10,908	159,202	30,337	24,226	24,137	1,282	5,266	5,912	400,769	3,819,139	14,731,563
New Cases	823	57	814	3,163	396	298	453	20	121	206	9,231	57,777	169,013
Cases Per Capita	1,308	4,071	1,235	1,577	959	1,134	731	455	1,187	697	1,024	1,157	192
Recovered	11,058	7,518	4,879	Not Reported	15,232	15,248	17,091	903	4,797	3,000	112,972	1,889,285	9,172,224
Total Deaths	588	163	105	4,104	493	329	478	6	32	57	7,755	140,630	611,284
New Deaths	1	2	0	9	1	1	0	0	0	1	61	473	3,503
Deaths Per Capita	24.67	90.45	11.89	40.64	15.58	15.41	14.47	2.13	7.21	6.72	19.81	42.62	7.97
Presumptive active cases	19,517	-344	5,924		14,612	8,649	6,568	373	437	2,855	280,042	1,789,224	4,948,055
% of State's Cases	7.78%	1.83%	2.72%	39.72%	7.57%	6.04%	6.02%	0.32%	1.31%	1.48%	10.49%	25.92%	
Currently in Hospitals	707	97	300	2,877	773	676	499	15	96	97	8,681		
Total Hospital Beds	4,093	298	1,773	23,351	7,428	4,766	6,611	422	479	298	78,677		
Currently in ICU	135	23	65	594	234	190	151	4	29	135	2,006		
ICU Beds Available	160	3	91	1,412	404	178	365	38	69	160	4,052		
Case Fatality Rate	1.9%	2.2%	1.0%	2.6%	1.6%	1.4%	2.0%	0.5%	0.6%	1.0%	1.9%	3.7%	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%	0.12%	0.0498%	

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.

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

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

CA Open Data Portal is at least 24 Hours behind

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Global Data

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

Prepared by Justin Czerniak

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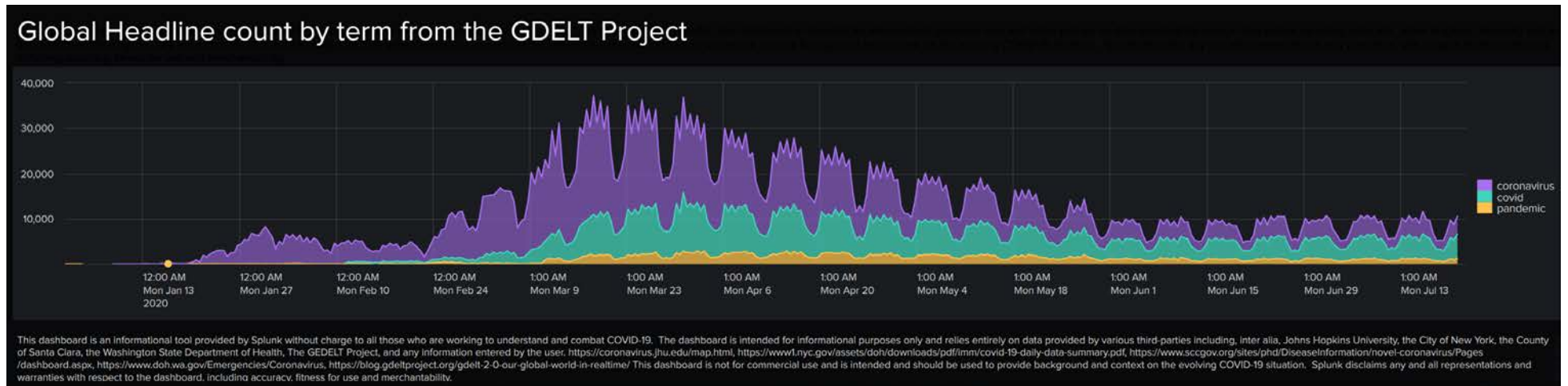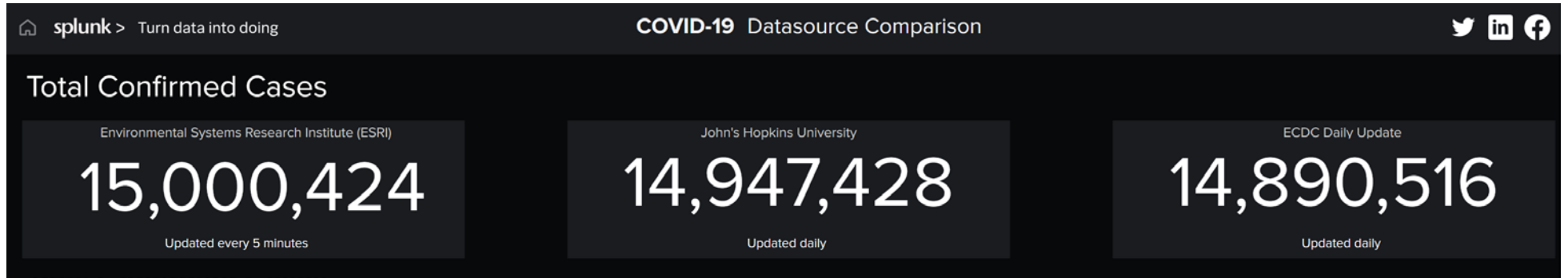
COVID-19 data reported by countries and territories in the Region of the America
## Data reported as of 22 July, 2020

Select Cases / Deaths

Cases

Cases double

Every 2 days	
Every 3 days	
Every 4 days	
Every 5 days	
Every 7 days	

ABW	BLM	CAN	CYM	GRD	JAM	MTQ	SLV	URY
AIA	BLZ	CHL	DMA	GTM	KNA	NIC	SPM	USA
ARG	BMU	COL	DOM	GUF	LCA	PAN	SUR	VCT
ATG	BOL	CRI	ECU	GUY	MAF	PER	SXM	VEN
BES	BRA	CUB	FLK	HND	MEX	PRI	TCA	VGB
BHS	BRB	CUW	GLP	HTI	MSR	PRY	TTO	VIR

Doubling time for COVID-19 Cases in the Americas
Normal scale
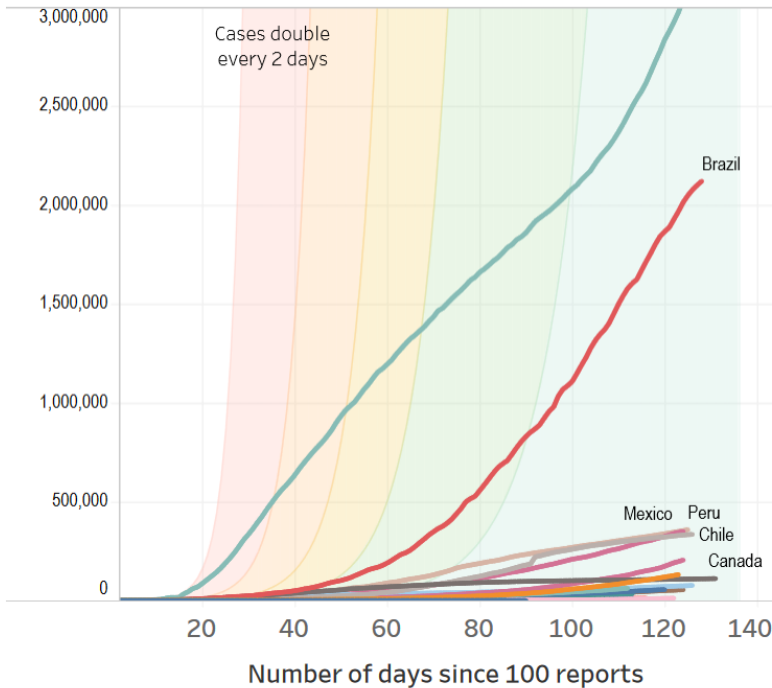
Doubling time for COVID-19 Cases in the Americas
Logarithmic scale

Prepared by Justin Czerniak
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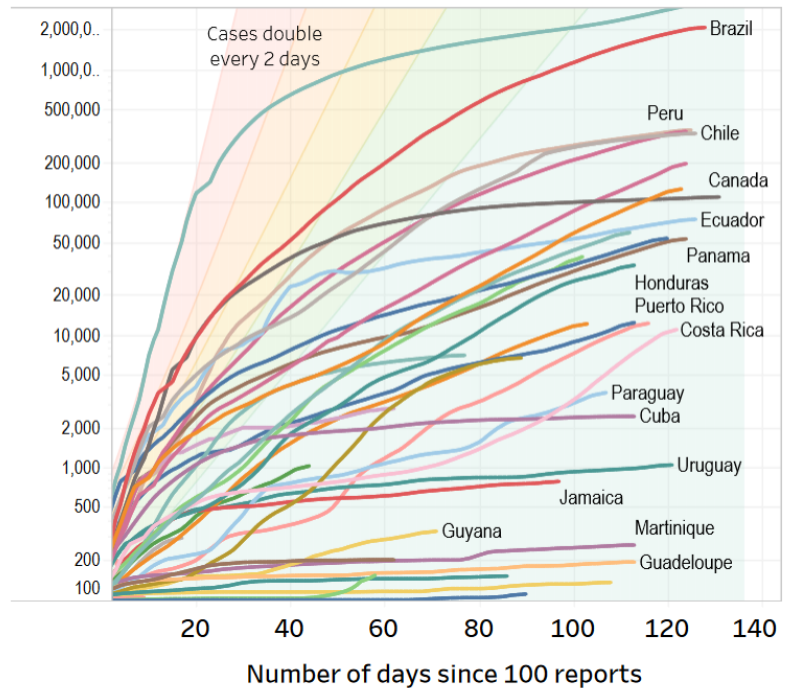
News

Crisis hits Lebanon's hospitals, among the best in Mideast

- Lebanon's hospitals, long considered among the best in the Middle East, are cracking under the country's financial crisis, struggling to pay staff, keep equipment running or even stay open amid a surge in coronavirus cases.
- Private hospitals, the engine of the health system, warn they may have to shut down. Chronically underfunded public hospitals, which have led the fight against the virus, fear they will be overrun
- The situation is really catastrophic, and we expect a total collapse if the government doesn't come up with a rescue plan," said Selim Abi Saleh, the head of the Physicians Union in northern Lebanon, one of the country's poorest and most populated regions.
-
- Medical facilities have let go of nurses and reduced salaries, their finances running dry in part because they can't collect millions owed to them by the state. Nearly a third of Lebanon's 15,000 physicians aim to migrate or already have, a doctors' union official said, based on the number who have sought union documents they can use abroad to prove their credentials
  https://apnews.com/3a4d797c9946e032bbee502c737ee547

US accuses Chinese hackers in targeting of COVID-19 research

- Hackers working with the Chinese government targeted firms developing vaccines for the coronavirus and stole hundreds of millions of dollars worth of intellectual property and trade secrets from companies across the world, the Justice Department said Tuesday as it announced criminal charges.
- The indictment does not accuse the two Chinese defendants of actually obtaining the coronavirus research, but it does underscore the extent to which scientific innovation has been a top target for foreign governments and criminal hackers looking to know what American companies are developing during the pandemic. In this case, the hackers researched vulnerabilities in the computer networks of biotech firms and diagnostic companies that were developing vaccines and testing kits and researching antiviral drugs.
  https://apnews.com/7aa7a893d0dc15da21a5920ab7d9f221

RELATED

US orders China to close its consulate in Houston

- The United States said Wednesday that it has ordered China to close its consulate in Houston "to protect American intellectual property" and the private information of Americans.
- China strongly condemned the move, the latest in a series of steps by the Trump administration as it ratchets up pressure on the world's second-largest economy over trade, technology, human rights and security.
- In Houston, firefighters responded to reports of papers being burned on the consulate grounds Tuesday night but were barred entry, according to news media reports
  https://apnews.com/ffc84d09363ba0a1a0e6db3c05bb8322

MIS-C / COVID-19 in children

- **Tracking MIS-C: Multi-System Inflammatory Syndrome in U.S. Children**
  - 186 MIS-C Cases, 26 states
  - March 15-May 20, 2020
  - Epidemiology of MIS-C

    Hospital-reported MIS-C Cases by State:

    16 states reported 1-6 cases

    4 states reported 7-14 cases

    1 state reported 15-21 cases

    4 states reported 22-29 cases

    INFOGRAPHIC

    https://www.cdc.gov/coronavirus/2019-ncov/covid-data/infographic-mis-c.html

    RELATED

- **Children's Hospital of OC reports increase in COVID-19 cases, mostly among school-aged children**
  - Doctors at Children's Hospital of Orange County (CHOC) say over the last couple of months, they've seen COVID-19 cases double every couple weeks.
  - "The percentage of positive cases that we've seen over the last two months has been doubling virtually every two weeks," Golden said, adding, "Sixty-five cases have been hospitalized in the last three months cumulatively. Right now we have 13 patients in the hospital."

    The 638 positive cases since mid-March from CHOC's hospitals and clinics ranged from infants to 24-year-olds.

    https://abc7.com/covid-19-orange-county-childrens-hospital-oc-coronavirus-young-people-children/6328215/

    RELATED

- **Coronavirus in Babies and Kids**
  - Aaron Milstone, M.D., M.H.S., a pediatrician at the Johns Hopkins Children's Center and an infectious disease expert at The Johns Hopkins Hospital, provides information on symptoms and keeping babies and kids safe, along with an overview of PIMS.
  - "Children are exposed to COVID-19 when the virus contacts their eyes, nose, mouth or lungs. This usually occurs when a nearby infected person coughs or sneezes, which releases respiratory droplets into the air and onto the child's face or nearby surfaces such as tables, food or hands."
  - He says the best way to prevent children from becoming sick with COVID-19 is to avoid exposing them to people who are (or who might be) sick with the virus:
    - Avoid crowds. Keep kids away from crowded areas when possible.
    - Stay away from sick people. Keep children at least 6 feet away from anyone who is sick with a cough or fever, including family members.

    https://www.hopkinsmedicine.org/health/conditions-and-diseases/coronavirus/coronavirus-in-babies-and-children
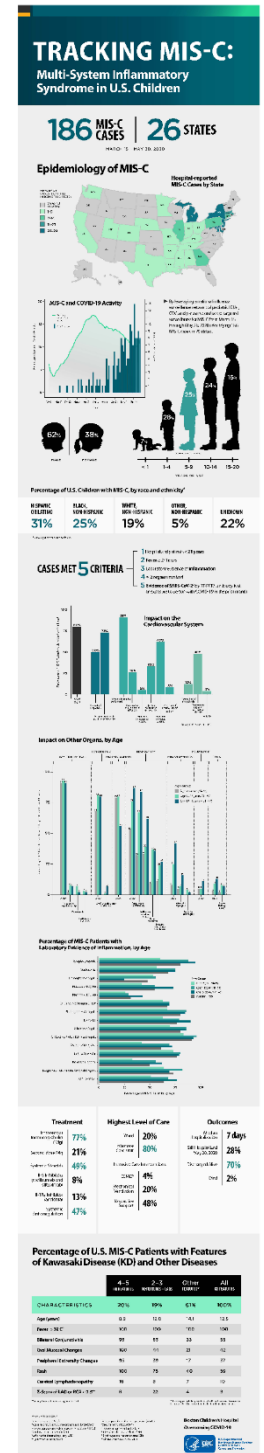
World virus cases near 15M; Trump says things will get worse

- The global tally of people infected with the coronavirus neared 15 million Wednesday, while in the worst-hit pandemic hot spot of the United States, President Donald Trump warned the pandemic would "get worse before it gets better."
- With COVID-19 set to pass another shocking milestone, Trump delivered his first virus briefing after a three-month hiatus, offering a shifted message Tuesday, including professing a newfound respect for the protective face masks he has seldom worn.
https://apnews.com/969fbbf44dd2ba1acea130f95b21ef62

RELATED

GOP splits as virus aid package could swell past $1 trillion

- The price tag for the next COVID-19 aid package could quickly swell above $1 trillion as White House officials negotiate with Congress over money to reopen schools, prop up small businesses, boost virus testing and keep cash flowing to Americans while the virus crisis deepens in the U.S.
- Senate Majority Leader Mitch McConnell on Tuesday promised a new round of direct payments to earners below a certain income level, similar to the $1,200 checks sent in the spring. President Donald Trump insists on a payroll tax holiday for workers. And Democrats want billions to outfit schools and shore up local governments.
https://apnews.com/6ad761eb6dc66e6cfed401dff0331555

Virus antibodies fade fast but not necessarily protection

- New research suggests that antibodies the immune system makes to fight the new coronavirus may only last a few months in people with mild illness, but that doesn't mean protection also is gone or that it won't be possible to develop an effective vaccine.
- "Infection with this coronavirus does not necessarily generate lifetime immunity," but antibodies are only part of the story, said Dr. Buddy Creech, an infectious disease specialist at Vanderbilt University. He had no role in the work, published Tuesday in the New England Journal of Medicine.
https://apnews.com/698be4c2992882ebdf02923c1ef7a1be

Back-To-School In Riverside County: Legal Challenge, Questions

- A civil liberties advocacy group filed suit Tuesday to challenge Gov. Gavin Newsom's order barring schools in Riverside County and elsewhere from bringing students into classrooms this fall because of coronavirus infections.
https://patch.com/california/lakeelsinore-wildomar/s/h6nrg/back-to-school-in-riverside-county-legal-challenge-questions?utm_term=article-slot-3&utm_source=newsletter-daily&utm_medium=email&utm_campaign=newsletter

One Good Thing

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

Chicago restaurateur joins mission to feed America's hungry
https://apnews.com/e6f27bdd46cd7a3af1a020fdcca7c398

Information

CDC Data Visualization
https://www.cdc.gov/coronavirus/2019-ncov/covid-data/data-visualization.htm

- Example (Absence of Apparent Transmission of SARS-CoV-2 from Two Stylists After Exposure at a Hair Salon with a Universal Face Covering Policy — Springfield, Missouri, May 2020)
https://www.cdc.gov/mmwr/volumes/69/wr/mm6928e2.htm

CDC Frequently Asked Questions
https://www.cdc.gov/coronavirus/2019-ncov/faq.html#Spread

ARTICLE:
Silent spread of virus keeps scientists grasping for clues
https://apnews.com/33ce920720ee71dbabcd8db757b8dfd3

Launch of the redesigned FEMA.gov. JULY 29

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

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

Social Impact
COVID-19 Events
in the United States

8 EVENTS
Past 48 hours

Map of news reports related to social impact events resulting from the COVID-19 outbreak in the United States, such as school closures, localized outbreaks, state of emergency declarations, etc.

DATE RANGE

Past 48 hours

TYPE OF EVENT (?)

COVID-19 Case Clusters

About this Map | Developed by HealthMap

● 1 event ● 2-4 events ● 5+ events

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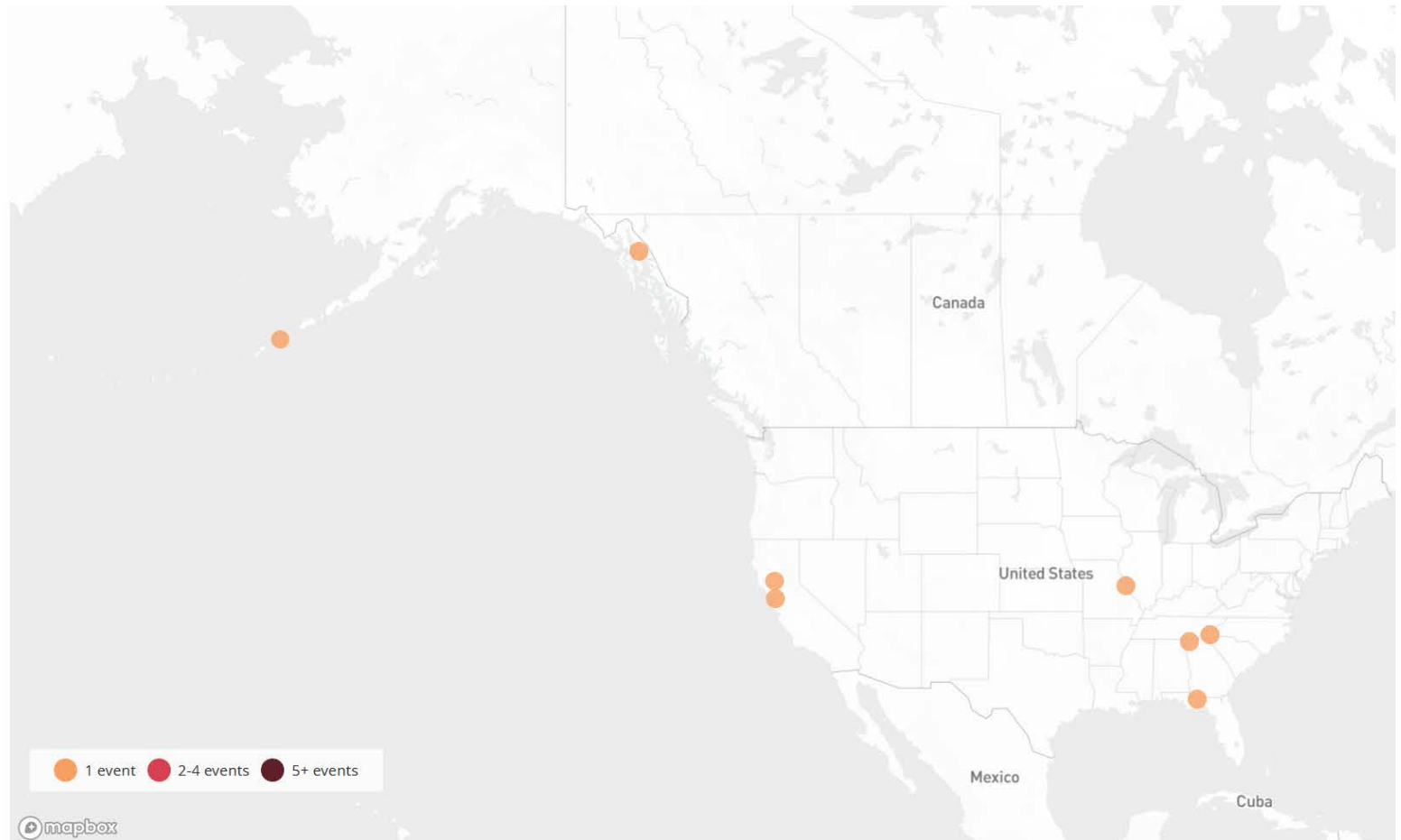
Epidemiological curve
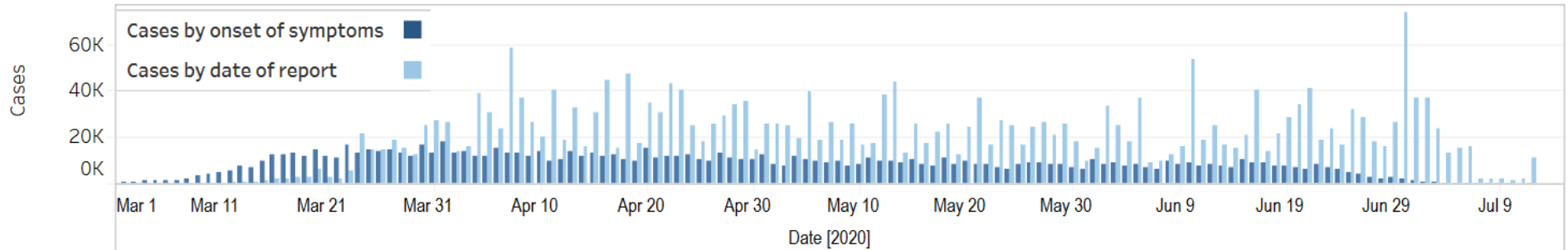
Total confirmed cases and deaths by age group
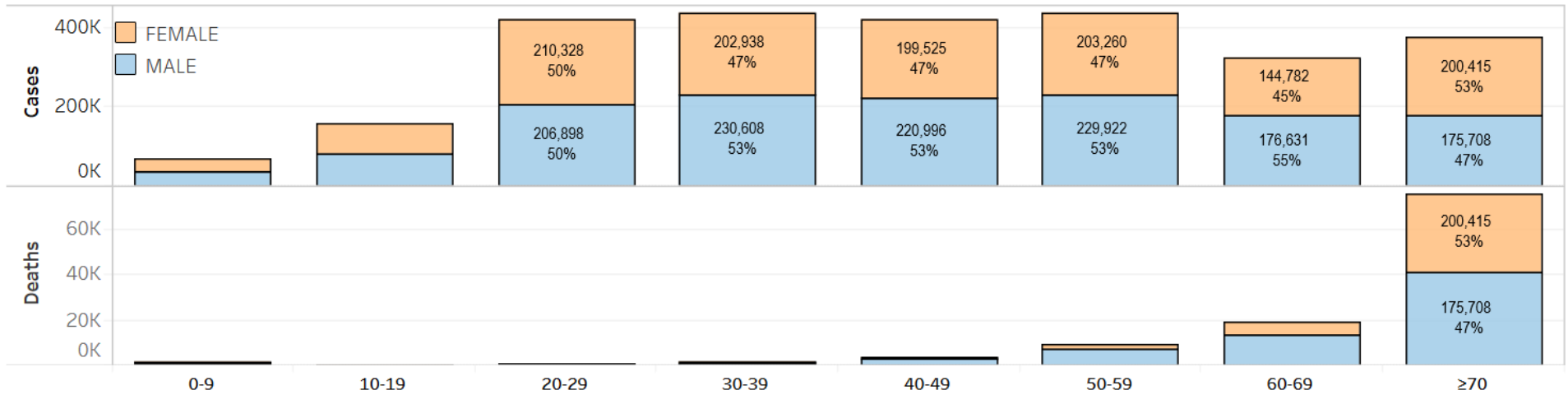
Patient course

Total % hospitalized / cases	% hospitalized / cases EW 2..	% hospitalized / cases EW 2..	Biweekly change hospitalized	Total % ICU / hospitalized	% ICU / hospitalized EW 23-24	% ICU hospitalized EW 25-26	Biweekly change ICU	Total % ventilated / hospitalized	% ventilated / hospitalized EW 23-24	% ventilated / hospitalized EW 25-26	Biweekly change ventilated
26%	7%	5%	-2%	9%	8%	2%	-6%	9%	8%	2%	-6%

Reason for samples taken

100%
2.71508e+06
N/A

Hospitalized
(n = 1,244,427)

26%
317,966
YES

NO
YES

74%
926,461
NO
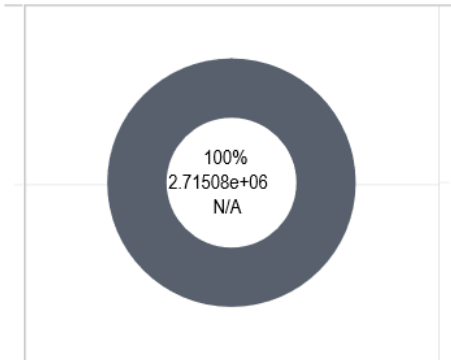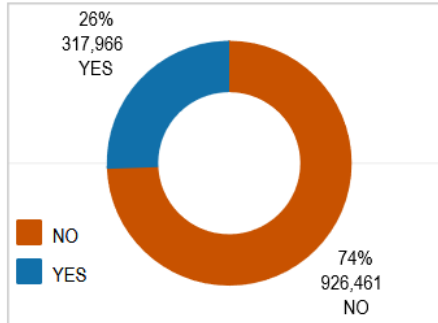
Patients in ICU / hospitalized
(n = 317,966)

9%
28,332
YES

18%
57,054
NO

YES
NO
73%
232,580
UNKNOWN

Ventilated / hospitalized
(n = 317,966)

9%
28,332
YES

18%
57,054
NO

YES
NO
73%
UNKNOWN
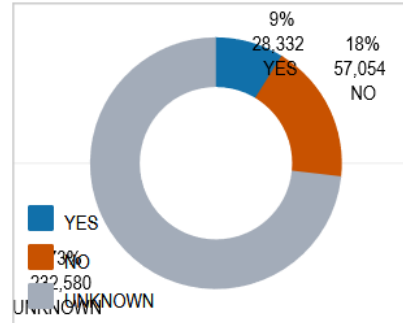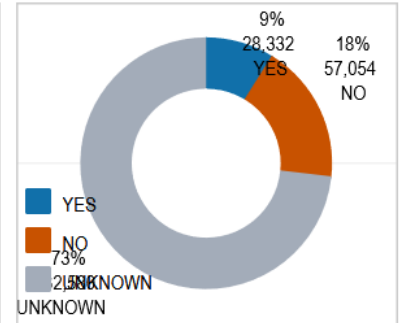
Timeliness: days between

Onset of symptoms and lab diagnosis
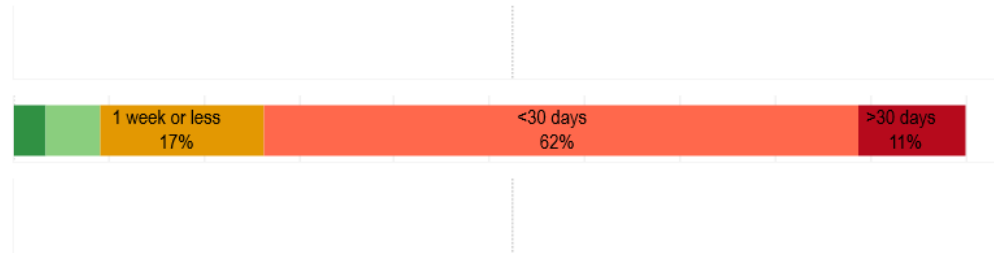
Onset of symptoms and isolation

1 week or less 17%	<30 days 62%	>30 days 11%

Lab diagnosis and report

Onset of symptoms and hospitalization

1 day or less 27%	3 days or less 16%	1 week or less 28%	<30 days 27%

1 day or less

3 days or less

1 week or less

<30 days

>30 days

Total confirmed cases with comorbidities by age group

https://www.cdc.gov/covid-data-tracker/index.html#county-map

State: [Select a State ▾]   Data: [Total Number of Cases ▾]

Total Cases

- ⬛ 0
- ⬜ <20
- 🟦 20 - 48
- 🟥 49 - 105
- 🟥 106 - 210
- 🟥 211 - 455
- 🟥 456 - 1,295
- 🟥 1,296 - 161,673
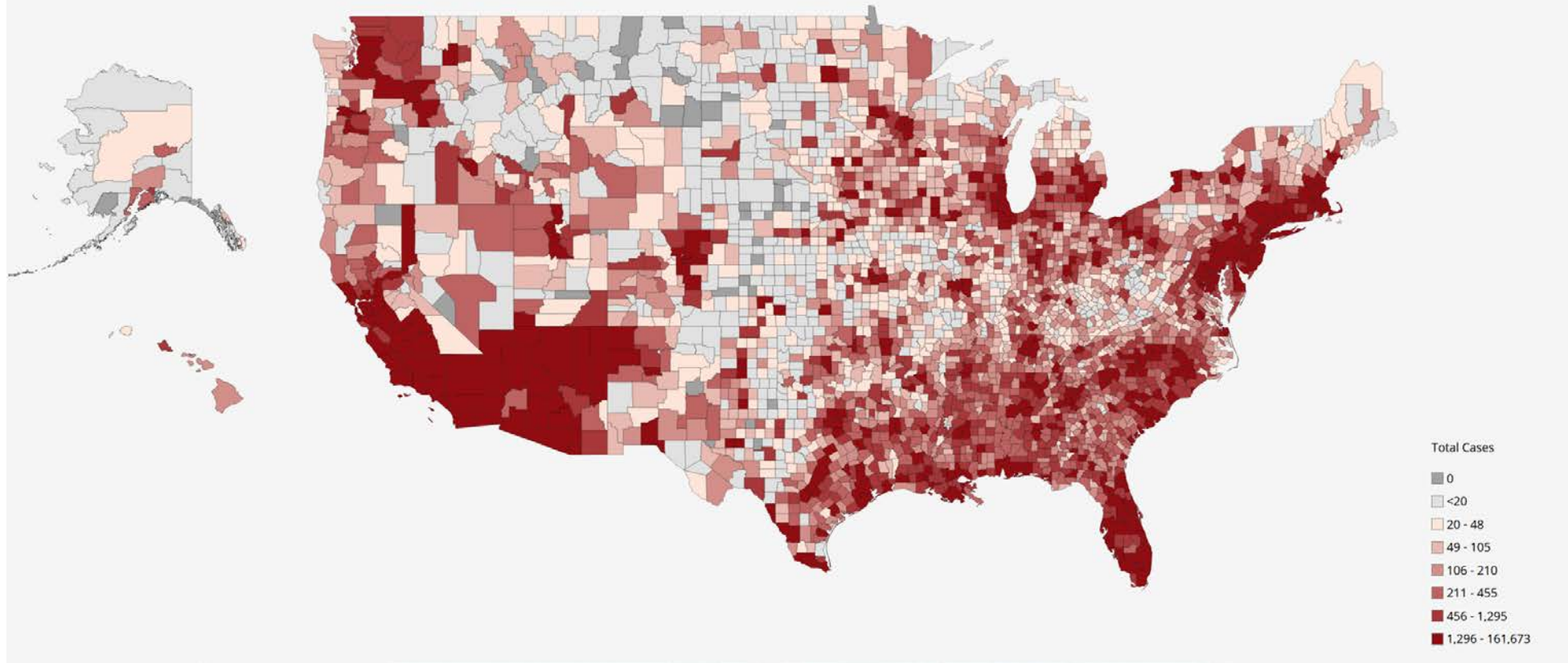
COVID-19 Update

Situation: Upward trajectory in COVID-19 case count continues across 34 (-4) states, with 11 (+4) states in a plateau status. 30,243 (+23) Federal employees deployed / activated; 2,239 (-39) FEMA employees deployed.

Nationwide Testing: 48,603,115 (+1,289,198) cumulative *(as of July 21)*

COVID-19 positive cases continue to increase globally
(CDC COVID-19 Response Update as of July 21)
- Confirmed Cases of COVID-19
  - United States: 3,819,139 (+57,777)
  - Worldwide: 14,348,858 (+229,780)
- Deaths caused by COVID-19
  - United States: 140,630 (+473)
  - Worldwide: 603,691 (+5,111)

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
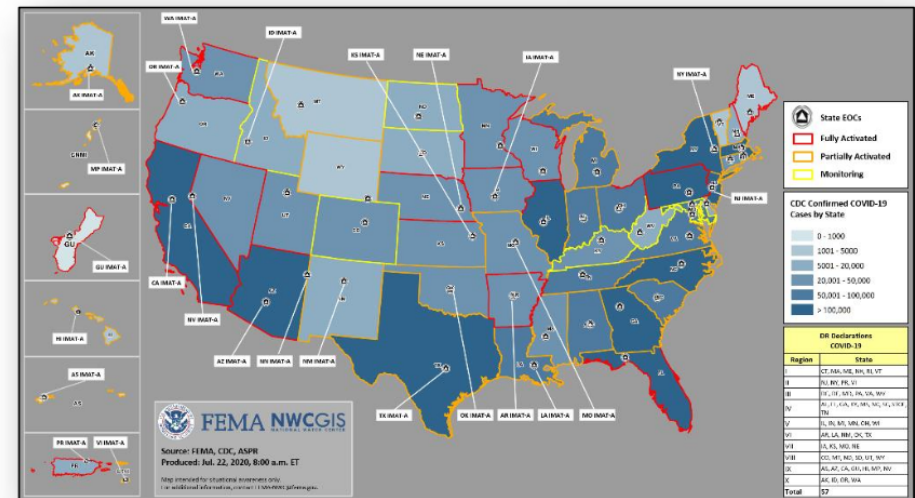
(COVID-19 SLB, July 21)

State Data

https://covid19.ca.gov/
https://update.covid19.ca.gov/#top
https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Immunization/ncov2019.aspx#

Statewide industry guidance to reduce risk

https://covid19.ca.gov/industry-guidance/#top
https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Guidance.aspx

Open sectors in counties with variance

https://covid19.ca.gov/roadmap-counties/#track-data
https://covid19.ca.gov/roadmap-counties/

Data models

https://covid19.ca.gov/data-and-tools/

Take the State survey

https://www.surveymonkey.com/r/W56KTRS?source=covid

https://calcat.covid19.ca.gov/cacovidmodels/

California COVID-19 By The Numbers

July 21, 2020
Numbers as of July 20, 2020

CALIFORNIA COVID-19 SPREAD

400,769 (+9,231)

TOTAL CASES

Ages of Confirmed Cases
- 0-17: 34,617
- 18-49: 241,406
- 50-64: 77,787
- 65+: 46,495
- Unknown/Missing: 464

Gender of Confirmed Cases
- Female: 199,561
- Male: 199,097
- Unknown/Missing: 2,111

7,755 (+61)
Fatalities

Hospitalizations

Confirmed COVID-19
7,091/2,006
Hospitalized/in ICU

Suspected COVID-19
1,590/220
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
Your Actions Save Lives
PublicHealth

California Department of PublicHealth

Long term Scenarios

Long-term scenarios estimate the effect of various non-pharmaceutical interventions (NPIs)

Please select Geography: California

Select a Model Output: Hospitalizations

☑ Include Actuals

Select Actuals: Patients Positive for COVID-19

Note: Detailed model scenario descriptions can be found below the graph or on the Technical Notes tab.

Interactive   Static

Select Scenario
RAND: Lift Shelter-in-Place Now, RAND:

IHME Model Options:
IHME Interval   OFF

RAND Model Options:
RAND Interval   OFF

Legend
- IHME Model
- CAN: Delay/Distancing
- CAN: Shelter in Place
- RAND: Lift Shelter-in-Place Now
- RAND: Reopen Non-essential Businesses in 2 weeks
- RAND: Reopen Bars/Restaurants/Large events in 1 month
- Patients Positive for COVID-19

California COVID Hospitalizations

Riverside County Data

https://www.rivcoph.org/coronavirus

RUHS Public Health:

Advisory Concerning Live Music Events - July 20, 2020

DISTRICT ONE - WEEKLY COVID-19 REPORT

Jul 13, 2020 - Jul 19, 2020

TOTAL CASES	NEW WEEKLY CASES	TOTAL DEATHS	NEW WEEKLY DEATHS	DOUBLING TIME
4,787	565	117	6	24.0
Incarcerated = 0	Incarcerated = 0	Incarcerated = 0	Incarcerated = 0	(7-day average)
	*Includes 7-day lag		*Includes 7-day lag	*Does not include incarcerated

COVID-19 Cases by Week

Total Incarcerated Cases — Total Cases

Most recent week's data is preliminary and subject to change

Total Cases by City/Community

City/Community	Cases
Riverside	2,849
Lake Elsinore	582
Wildomar	251
Mead Valley	218
Temescal Valley	196
El Sobrante	129
Good Hope	118
Woodcrest	110
Lakeland Village	92
Lake Mathews	54
Canyon Lake	43
Meadowbrook	12
Home Gardens	2

COVID-19 Daily ICU/Hospitalizations

Confirmed ICU — Confirmed Hospitalizations

Confirmed Hospitalizations: Jul 13: 87, Jul 14: 78, Jul 15: 87, Jul 16: 100, Jul 17: 96, Jul 18: 96, Jul 19: 101

Confirmed ICU: Jul 13: 19, Jul 14: 18, Jul 15: 16, Jul 16: 18, Jul 17: 19, Jul 18: 20, Jul 19: 22

Total Deaths by City/Community

City/Community	Deaths
Riverside	83
Lake Elsinore	10
Wildomar	5
Lake Mathews	4
Mead Valley	4
Woodcrest	4
El Sobrante	1
Good Hope	1
Lakeland Village	1

COVID-19 Testing

Total Tested	New Tests (Weekly)	Positivity Rate (Overall)	Positivity Rate (Weekly)	Testing per Capita
42,917	4,469	9.7%	14.0%	9.0%

*Does not include incarcerated populations
*New Weekly Tests/Weekly Positivity Rates are based on previous week as tests may take 3-5 days to result

*Totals do not include cases with missing geographic locations
*Cities/Communities with populations less than 2,000 are not included
*Weekly Case/Death counts reflect previous week's data as current week's case/death counts are preliminary and subject to change.

DISTRICT TWO - WEEKLY COVID-19 REPORT

Jul 13, 2020 - Jul 19, 2020

TOTAL CASES	NEW WEEKLY CASES	TOTAL DEATHS	NEW WEEKLY DEATHS	DOUBLING TIME
5,801	837	120	4	22.3
Incarcerated = 172	Incarcerated = 79	Incarcerated = 0	Incarcerated = 0	(7-day average)
	*Includes 7-day lag		*Includes 7-day lag	*Does not include incarcerated

COVID-19 Cases by Week

Total Incarcerated Cases — Total Cases

Most recent week's data is preliminary and subject to change

Total Cases by City/Community

City/Community	Cases
Jurupa Valley	1,573
Corona	1,541
Riverside	1,231
Eastvale	578
Norco	403
Incarcerated	172
Home Gardens	159
El Cerrito	65
Coronita	21

COVID-19 Daily ICU/Hospitalizations

Confirmed ICU — Confirmed Hospitalizations

Confirmed Hospitalizations: Jul 13: 81, Jul 14: 81, Jul 15: 78, Jul 16: 80, Jul 17: 84, Jul 18: 81, Jul 19: 77

Confirmed ICU: Jul 13: 33, Jul 14: 33, Jul 15: 31, Jul 16: 29, Jul 17: 33, Jul 18: 33, Jul 19: 33

Total Deaths by City/Community

City/Community	Deaths
Riverside	58
Jurupa Valley	30
Corona	20
Eastvale	9
Norco	2
Coronita	1

COVID-19 Testing

Total Tested	New Tests (Weekly)	Positivity Rate (Overall)	Positivity Rate (Weekly)	Testing per Capita
43,051	4,506	11.4%	17.9%	9.2%

*Does not include incarcerated populations
*New Weekly Tests/Weekly Positivity Rates are based on previous week as tests may take 3-5 days to result

*Totals do not include cases with missing geographic locations
*Cities/Communities with populations less than 2,000 are not included
*Weekly Case/Death counts reflect previous week's data as current week's case/death counts are preliminary and subject to change.

DISTRICT THREE - WEEKLY COVID-19 REPORT

TOTAL CASES	NEW WEEKLY CASES	TOTAL DEATHS	NEW WEEKLY DEATHS	DOUBLING TIME
3,217	350	59	10	21.9
Incarcerated = 64	Incarcerated = 1	Incarcerated = 1	Incarcerated = 0	(7-day average)
	*Includes 7-day lag		*Includes 7-day lag	*Does not include incarcerated

COVID-19 Cases by Week

Legend: Total Incarcerated Cases, Total Cases

Most recent week's data is preliminary and subject to change

Total Cases by City/Community

City/Community	Cases
Hemet	754
Murrieta	586
Temecula	539
San Jacinto	528
French Valley	158
East Hemet	153
Valle Vista	101
Incarcerated	64
Homeland	43
Green Acres	20
Idyllwild-Pine Cove	10
Anza	7
Winchester	6

COVID-19 Daily ICU/Hospitalizations

Legend: Confirmed ICU, Confirmed Hospitalizations

Confirmed Hospitalizations: 75, 72, 69, 72, 72, 77, 77
Confirmed ICU: 24, 24, 26, 25, 23, 21, 18
(Jul 13, Jul 14, Jul 15, Jul 16, Jul 17, Jul 18, Jul 19)

Total Deaths by City/Community

City/Community	Deaths
Hemet	30
Murrieta	12
San Jacinto	8
East Hemet	2
Temecula	2
French Valley	1
Incarcerated	1

COVID-19 Testing

Total Tested	New Tests (Weekly)	Positivity Rate (Overall)	Positivity Rate (Weekly)	Testing per Capita
37,111	3,813	7.2%	10.1%	7.5%

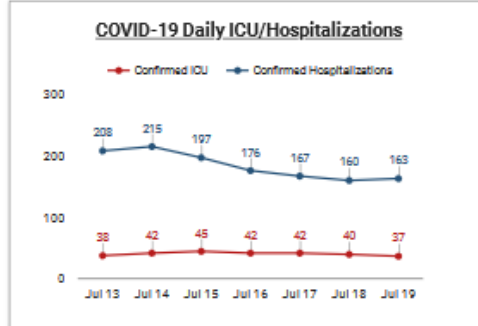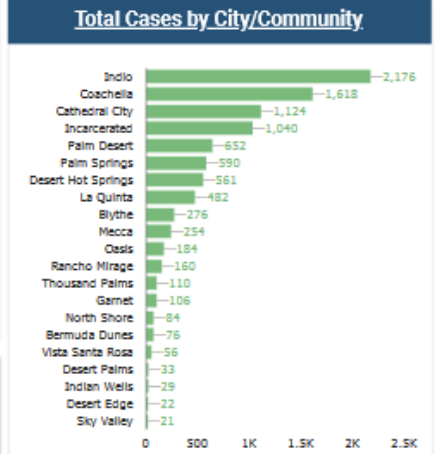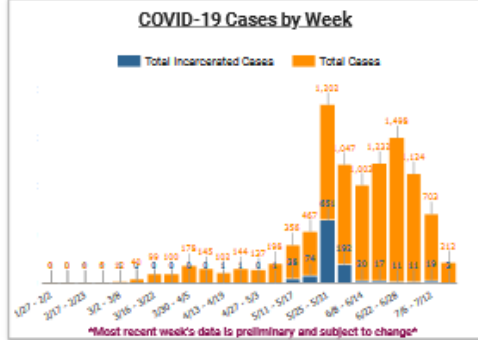*Does not include incarcerated populations
*New Weekly Tests/Weekly Positivity Rates are based on previous week as tests may take 3-5 days to result
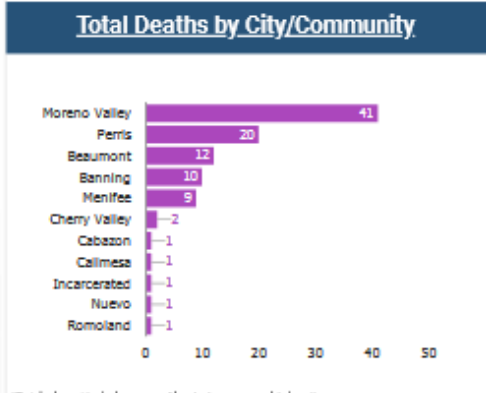
*Totals do not include cases with missing geographic locations
*Cities/Communities with populations less than 2,000 are not included
*Weekly Case/Death counts reflect previous week's data as current week's case/death counts are preliminary and subject to change.

DISTRICT FOUR - WEEKLY COVID-19 REPORT

TOTAL CASES	NEW WEEKLY CASES	TOTAL DEATHS	NEW WEEKLY DEATHS	DOUBLING TIME
10,005	703	183	24	25.6
Incarcerated = 1,040	Incarcerated = 19	Incarcerated = 1	Incarcerated = 0	(7-day average)
	*Includes 7-day lag		*Includes 7-day lag	*Does not include incarcerated

COVID-19 Cases by Week

Legend: Total Incarcerated Cases, Total Cases

Most recent week's data is preliminary and subject to change

Total Cases by City/Community

City/Community	Cases
Indio	2,176
Coachella	1,618
Cathedral City	1,124
Incarcerated	1,040
Palm Desert	652
Palm Springs	590
Desert Hot Springs	561
La Quinta	482
Blythe	276
Mecca	254
Oasis	184
Rancho Mirage	160
Thousand Palms	110
Garnet	106
North Shore	84
Bermuda Dunes	76
Vista Santa Rosa	56
Desert Palms	33
Indian Wells	29
Desert Edge	22
Sky Valley	21

COVID-19 Daily ICU/Hospitalizations

Legend: Confirmed ICU, Confirmed Hospitalizations

Confirmed Hospitalizations: 208, 215, 197, 176, 167, 160, 163
Confirmed ICU: 38, 42, 45, 42, 42, 40, 37
(Jul 13, Jul 14, Jul 15, Jul 16, Jul 17, Jul 18, Jul 19)

Total Deaths by City/Community

City/Community	Deaths
Indio	47
Palm Desert	35
Palm Springs	19
Coachella	15
La Quinta	14
Cathedral City	13
Rancho Mirage	12
Mecca	6
Blythe	3
Desert Edge	2
Desert Palms	2
Bermuda Dunes	1
Incarcerated	1
Indian Wells	1
North Shore	1
Oasis	1
Vista Santa Rosa	1

COVID-19 Testing

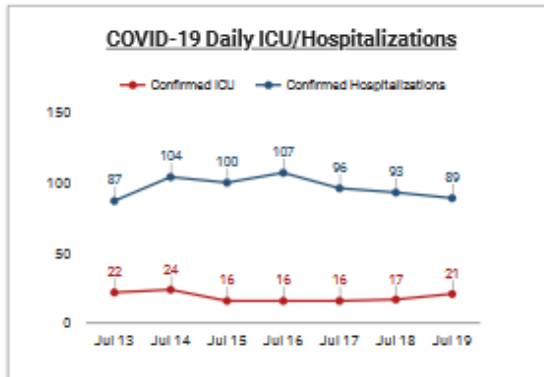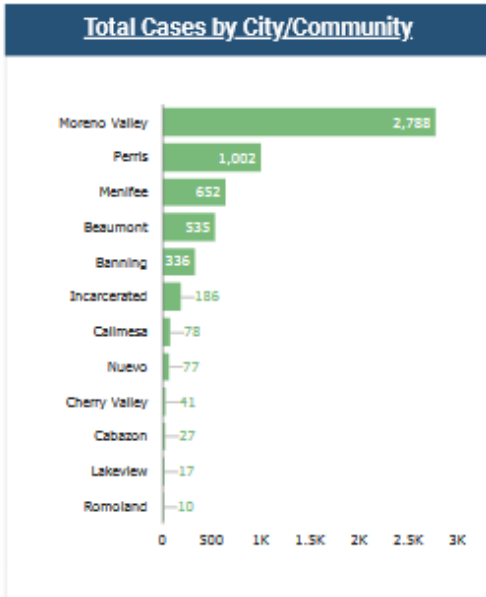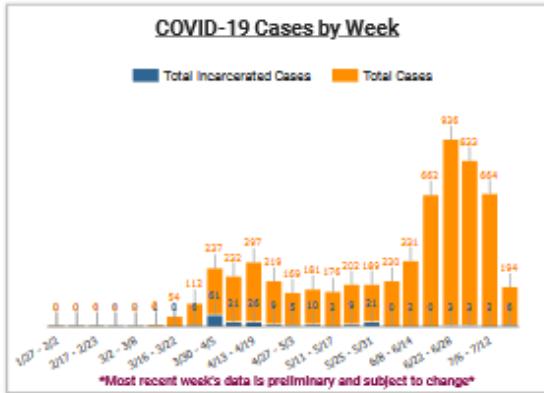| Total Tested	New Tests (Weekly)	Positivity Rate (Overall)	Positivity Rate (Weekly)	Testing per Capita
72,320	5,480	10.5%	12.8%	15.8%

*Does not include incarcerated populations
*New Weekly Tests/Weekly Positivity Rates are based on previous week as tests may take 3-5 days to result
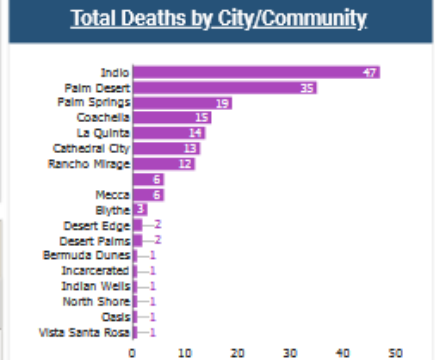
*Totals do not include cases with missing geographic locations
*Cities/Communities with populations less than 2,000 are not included
*Weekly Case/Death counts reflect previous week's data as current week's case/death counts are preliminary and subject to change.

DISTRICT FIVE - WEEKLY COVID-19 REPORT

TOTAL CASES	NEW WEEKLY CASES	TOTAL DEATHS	NEW WEEKLY DEATHS	DOUBLING TIME
5,929	**664**	**103**	**7**	**23.1**
Incarcerated = 186	Incarcerated = 2	Incarcerated = 1	Incarcerated = 0	(7-day average)
	*Includes 7-day lag		*Includes 7-day lag	*Does not include incarcerated

COVID-19 Cases by Week

Legend: Total Incarcerated Cases, Total Cases

Most recent week's data is preliminary and subject to change

COVID-19 Daily ICU/Hospitalizations

Legend: Confirmed ICU, Confirmed Hospitalizations

Confirmed Hospitalizations: 87 (Jul 13), 104 (Jul 14), 100 (Jul 15), 107 (Jul 16), 96 (Jul 17), 93 (Jul 18), 89 (Jul 19)

Confirmed ICU: 22 (Jul 13), 24 (Jul 14), 16 (Jul 15), 16 (Jul 16), 16 (Jul 17), 17 (Jul 18), 21 (Jul 19)

COVID-19 Testing

Total Tested	New Tests (Weekly)	Positivity Rate (Overall)	Positivity Rate (Weekly)	Testing per Capita
46,730	4,864	10.6%	15.1%	9.5%

*Does not include incarcerated populations
*New Weekly Tests/Weekly Positivity Rates are based on previous week as tests may take 3-5 days to result

Total Cases by City/Community

City/Community	Cases
Moreno Valley	2,788
Perris	1,002
Menifee	652
Beaumont	535
Banning	336
Incarcerated	186
Calimesa	78
Nuevo	77
Cherry Valley	41
Cabazon	27
Lakeview	17
Romoland	10

Total Deaths by City/Community

City/Community	Deaths
Moreno Valley	41
Perris	20
Beaumont	12
Banning	10
Menifee	9
Cherry Valley	2
Cabazon	1
Calimesa	1
Incarcerated	1
Nuevo	1
Romoland	1

*Totals do not include cases with missing geographic locations
*Cities/Communities with populations less than 2,000 are not included
*Weekly Case/Death counts reflect previous week's data as current week's case/death counts are preliminary and subject to change

Weather

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
https://www.weather.gov/forecastpoints#

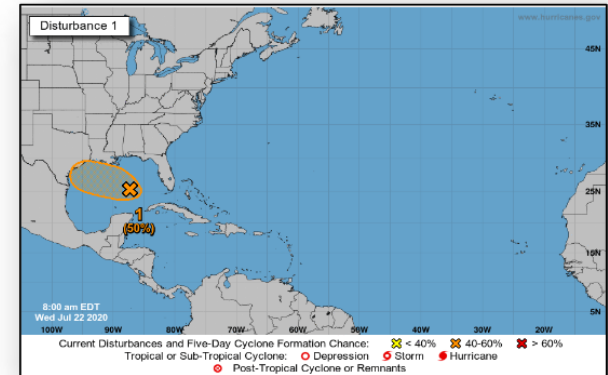# Tropical Outlook – Atlantic

FEMA

Disturbance 1 *(as of 8:00 a.m. ET)*
- Located over the eastern Gulf of Mexico
- Expected to move WNW over the central Gulf today, and reach the northwestern Gulf on Thursday and Friday
- Formation chance through 48 hours: Medium (40%)
- Formation chance through 5 days: Medium (50%)

Tropical Depression Seven *(Advisory #3 as of 5:00 a.m. ET)*
- 1,285 miles E of the Southern Windward Islands
- Moving WNW at 12 mph
- Maximum sustained winds 35 mph
- Expected to become a tropical storm today
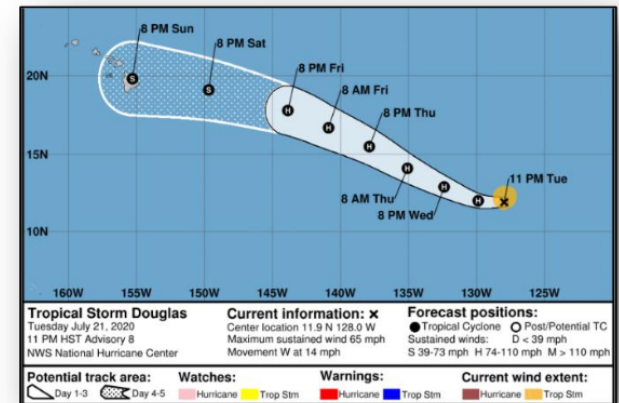
Tropical Outlook – Eastern Pacific

Tropical Storm Douglas *(Advisory #8 as of 5:00 a.m. ET)*
- 1,875 miles ESE of Hilo, HI
- Moving W at 14 mph
- Maximum sustained winds 65 mph
- Strengthening is forecast during the next couple of days
- Expected to become a hurricane today

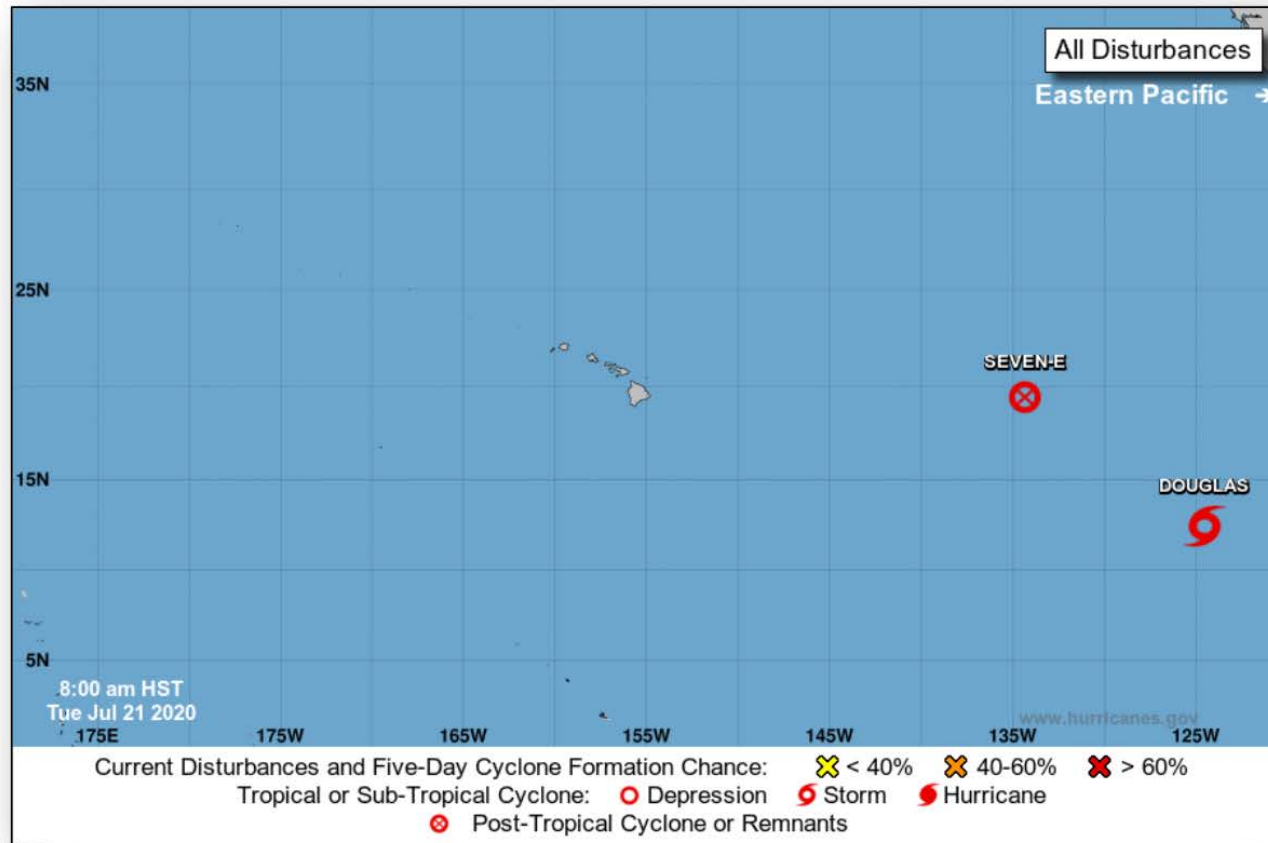**_Disturbance 1_** *(as of 8:00 a.m. ET)*
- Located S of the southern coast of Mexico
- Gradual development will be possible over the weekend
- Formation chance through 48 hours: Low (near 0%)
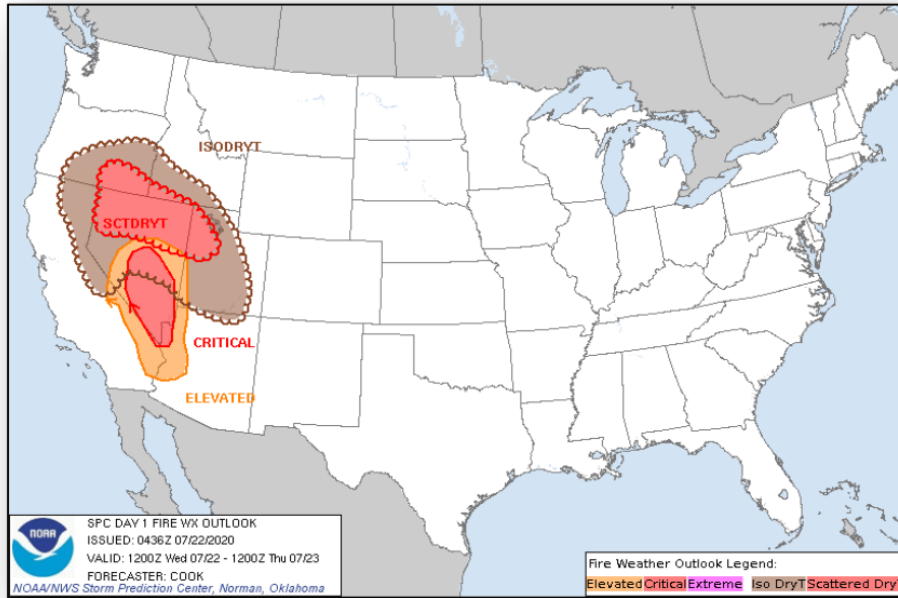- Formation chance through 5 days: Low (20%)

Prepared by Justin Czerniak
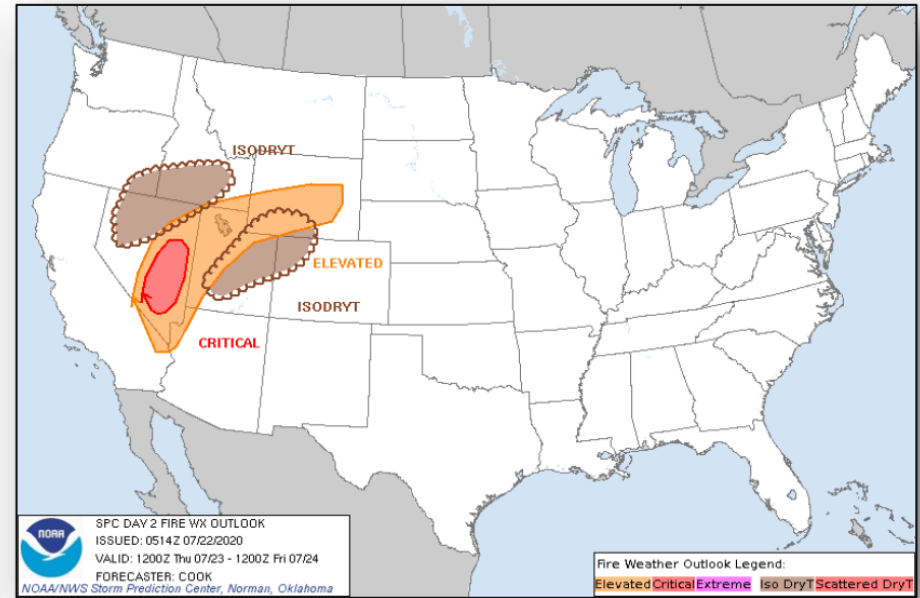justin.czerniak@norcocollege.edu
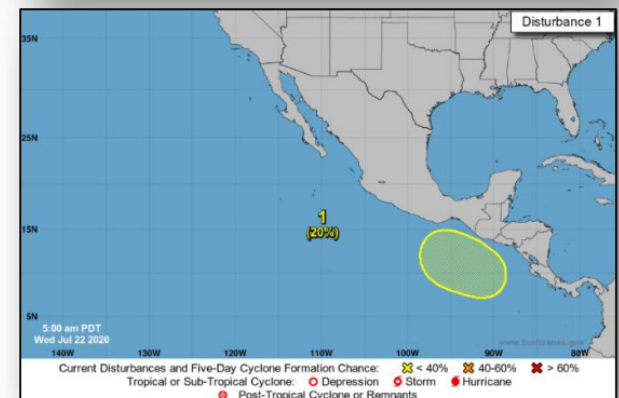
Tropical Outlook – Central Pacific

Fire Weather Outlook

Today

Tomorrow

Severe Weather Outlook

FEMA — U.S. Department of Homeland Security

Wed

MRGL

MRGL

MRGL

SLGT

SPC DAY 1 CATEGORICAL OUTLOOK
ISSUED: 0550Z 07/22/2020
VALID: 1200Z Wed 07/22 - 1200Z Thu 07/23
FORECASTER: BROYLES/COOK
NOAA/NWS Storm Prediction Center, Norman, Oklahoma

Categorical Outlook Legend:
TSTM 1: MRGL 2: SLGT
3: ENH 4: MDT 5: HIGH

Thu

MRGL

MRGL

SPC DAY 2 CATEGORICAL OUTLOOK
ISSUED: 0600Z 07/22/2020
VALID: 1200Z Thu 07/23 - 1200Z Fri 07/24
FORECASTER: GLEASON
NOAA/NWS Storm Prediction Center, Norman, Oklahoma

Categorical Outlook Legend:
TSTM 2: MRGL 2: SLGT
3: ENH 4: MDT 5: HIGH

Fri

MRGL

SPC DAY 3 CATEGORICAL OUTLOOK
ISSUED: 0730Z 07/22/2020
VALID: 1200Z Fri 07/24 - 1200Z Sat 07/25
FORECASTER: GLEASON
NOAA/NWS Storm Prediction Center, Norman, Oklahoma

Categorical Outlook Legend:
TSTM 2: MRGL 2: SLGT
3: ENH 4: MDT 5: HIGH
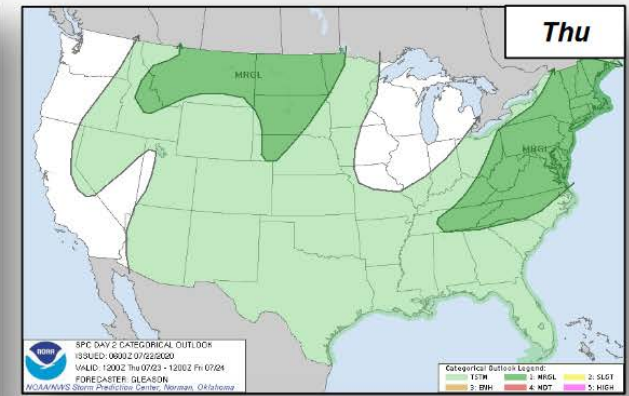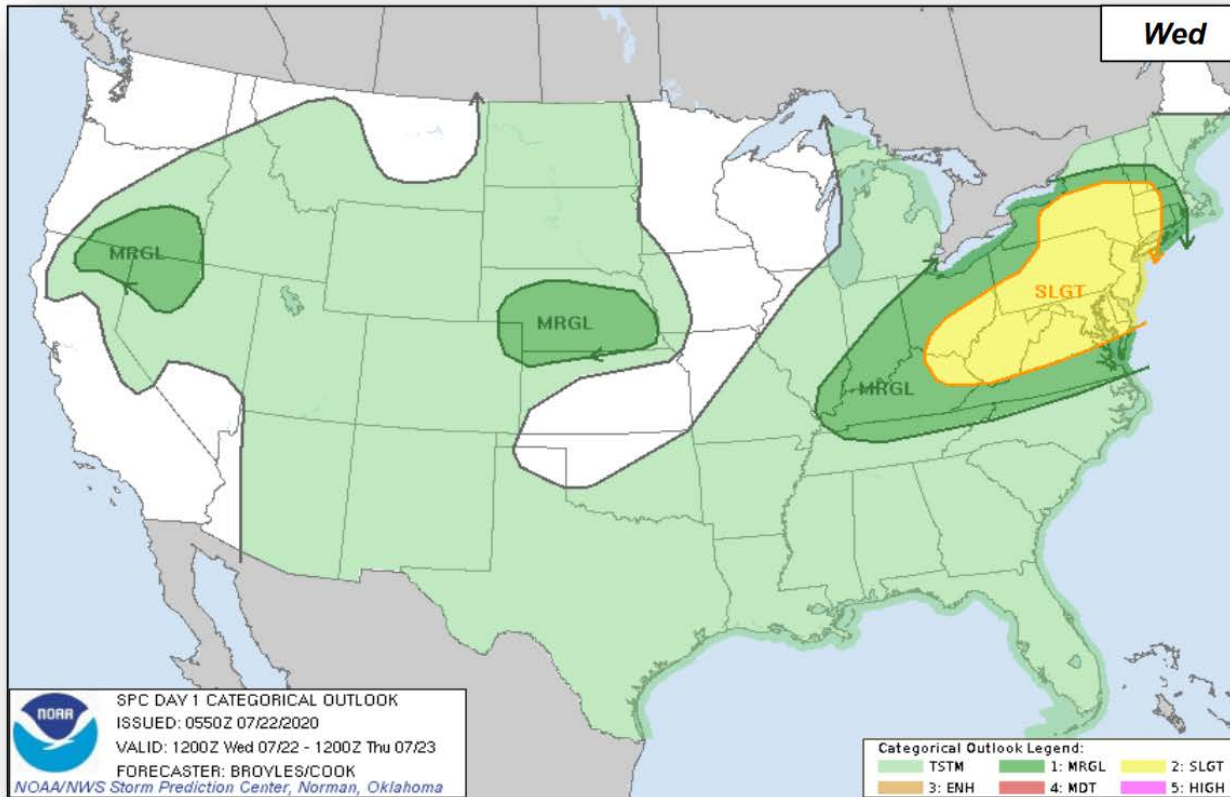
Earthquake/Tsunami– Alaska

Earthquake – Alaska

- At 2:19 a.m. ET on July 22, a magnitude 7.8 earthquake occurred 61 miles SSE of Perryville, AK, *(pop. 113)* at a depth of 8 miles; felt as a MMI of VII
- Green PAGER was issued, indicating a low likelihood of casualties or damage
- Tsunami generated; a 0.8 foot wave was detected at Sand Point, AK. Tsunami Warning was cancelled at 4:23 a.m. ET
- 12 aftershocks reported; additional Green PAGERs were issued for M6.1 and M5.8 aftershocks
- No impacts reported

Response:

- AK EOC at Full Activation (COVID-19); monitoring and coordinating with local jurisdictions
- Region X RRCC activated to Level III for COVID-19
- NWC, Region IX, and Region X RWCs are monitoring
- No request for FEMA assistance