

COVID-19 by the Numbers

**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 Tuesday, July 28, 2020 As of 10:00 AM

								San					
07/28/2020				Los		San	San	Luis	Sana			United	
	Riverside	Imperial	Kern	Angeles	Orange	Bernardino	Diego	Obispo	Barbra	Ventura	California	States	Global
Total Cases	35,636	7,781	17,394	174,322	34,352	29,545	26,986	1,565	5,939	6,844	460,550	4,225,687	16,301,736
New Cases	715	54	484	1,711	374	280	283	35	59	182	6,891	61,795	187,287
Cases Per Capita	1,495	4,318	1,970	1,726	1,086	1,384	817	556	1,338	807	1,176	1,280	213
Recovered	<u>12,177</u>	<u>7,883</u>	<u>5,353</u>	<u>Not</u> <u>Reported</u>	<u>20,148</u>	<u>19,168</u>	<u>19,815</u>	<u>1,209</u>	<u>5,496</u>	<u>3,588</u>	<u>146,735</u>	<u>2,139,014</u>	10,295,270
Total Deaths	637	181	123	4,360	564	383	533	8	32	67	8,445	146,546	650,069
New Deaths	0	0	0	9	2	11	0	0	0	0	29	564	3,428
Deaths Per Capita	26.73	100.44	13.93	43.18	17.82	17.94	16.14	2.84	7.21	7.90	21.57	44.41	8.48
Presumptive active cases	22,822	-283	11,918		13,640	9,994	6,638	348	411	3,189	305,370	1,940,127	5,356,397
% of State's Cases	7.74%	1.69%	3.78%	37.85%	7.46%	6.42%	5.86%	0.34%	1.29%	1.49%	10.90%	25.92%	
Currently in Hospitals	630	77	281	2,621	707	713	458	17	85	114	8,419		
Total Hospital Beds	3,413	261	1,369	19,906	6,078	4,522	6,316	471	666	1,293	68,072		
Currently in ICU	146	26	64	596	204	195	115	4	25	25	2,012		
ICU Beds Available	87	2	39	912	377	136	297	22	62	53	2,757		
Case Fatality Rate	1.8%	2.3%	0.7%	2.5%	1.6%	1.3%	2.0%	0.5%	0.5%	1.0%	1.8%	3.5%	4.0%
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	330,015,000	7,667,071,000
% of Population	6.09%	0.46%	2.26%	25.79%	8.08%	5.45%	8.44%	0.72%	1.13%	2.17%	0.14%	0.0551%	

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

 $\label{eq:california-Demographics.com} \ensuremath{\mathsf{s}}\xspace{-1pt}{\mathsf{california-Demographics.com}}\xspace{-1pt}{\mathsf{s}}\xspace{-1pt}{\mathsf{california-Demographics.com}}\xspace{-1pt}{\mathsf{s}}\xspace{-1pt}{\mathsf{california-Demographics.com}}\xspace{-1pt}{\mathsf$

Presumptive active cases - A calculation (Total Cases - Recovered - Dead) (LA County does not report recovery rates and Imperial County case data reporting is delayed)

Global Data

More detail on page 2

Information More detail on page 7

State Data More detail on page 10 Weather

More detail on page 12

News

More detail on page 3

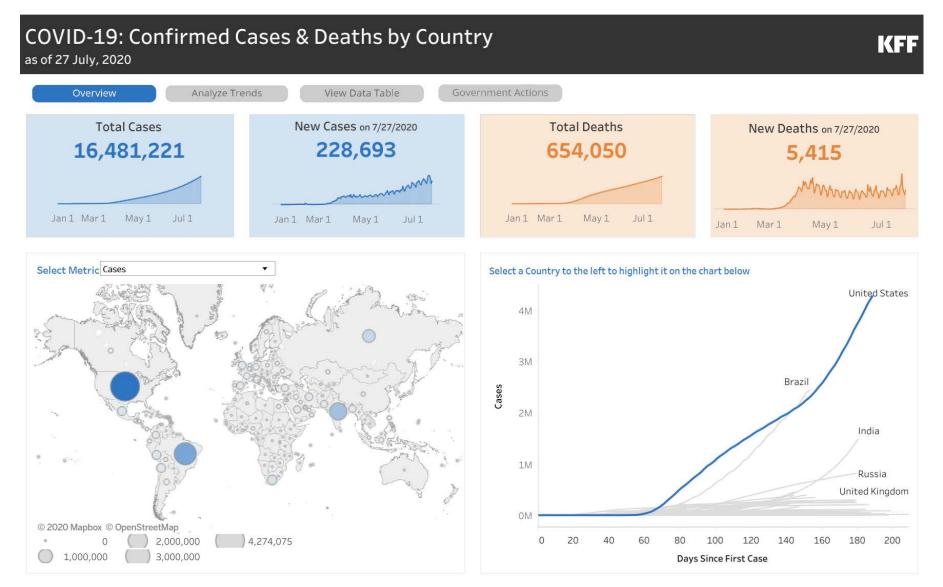
US Data

More detail on page 8

Riverside County Data More detail on page 11

Global Data

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



Source: Johns Hopkins University (JHU) Coronavirus Resource Center; last updated with data from 7/27/2020. Data prior to January 22, 2020 are from the World Health Organization's (WHO) Coronavirus disease (COVID-2019) situation reports. Notes: Cumulative case totals include both laboratory confirmed and clinically diagnosed cases; prior to February 14, 2020, totals include only laboratory confirmed cases. Japan's totals include cases that have been identified on the Diamond Princess cruise ship (except in cases that have been re-categorized by a reporting country).

News

North Korea reports 'runaway' returned with nation's first COVID-19 case

- North Korea leader Kim Jong Un has convened an emergency meeting as the country reports its first possible case of COVID-19

 prompting the lockdown of one of the hermit kingdom's cities.
- The Korean Central News Agency said a "runaway" who left the country three years ago returned illegally on July 19 and displayed symptoms of COVID-19.
- After several medical tests provided uncertain results, the individual was quarantined, and everyone in Kaesong city who came into close contact with the person or who had been in the city in the last five days is under investigation, examination and quarantine.
- Until now, North Korea had claimed it had no cases. https://www.skynews.com.au/details/_6175294450001

Thousands of COVID-19 survivors could be diagnosed with sepsis, charity warns

- People are being warned to familiarize themselves with the symptoms of sepsis after a study found that as many as 20,000 COVID-19 survivors could be diagnosed with the condition within a year.
- One in five people who receive hospital treatment for the coronavirus are at risk, according to the UK Sepsis Trust.
- Sepsis is triggered when the body overreacts to an infection, causing the immune system to turn on itself leading to tissue damage, organ failure and potentially death.
- If spotted quickly, it can be treated with antibiotics before it turns into septic shock and damages vital organs.
- There are six signs to look out for, and they spell out the word sepsis:
 - S for slurred speech and confusion
 - E for extreme pain in the muscles or joints
 - P for passing no urine in a day
 - S for severe breathlessness
 - I for "it feels like I'm going to die"
 - S for skin that is mottled or discolored

 $\underline{https://news.sky.com/story/coronavirus-thousands-of-covid-19-survivors-could-be-diagnosed-with-sepsis-charity-warns-12037944}$

Google employees will work from home until summer 2021

- Google and its parent company, Alphabet, will keep employees working from home until at least June of 2021 because of concerns over the coronavirus pandemic, the company said in a statement Monday to CBS MoneyWatch.
- The technology giant had previously planned to bring workers back to its offices beginning in January. Its new policy makes Alphabet the first major U.S. corporation to definitively extend its work-from-home timeline so far into the future.
- "To give employees the ability to plan ahead, we are extending our global voluntary work from home option through June 30, 2021, for roles that don't need to be in the office," Google CEO Sundar Pichai wrote in an email to employees.

Final test of Moderna's coronavirus vaccine — in 30,000 volunteers — gets underway

- The world's biggest COVID-19 vaccine study got underway Monday with the first of 30,000 planned volunteers helping to test one of several candidates in the final stretch of the global vaccine race.
- There's still no guarantee that the experimental vaccine, developed by the National Institutes of Health and Moderna, will really protect against the disease caused by the coronavirus.
- To help obtain proof, volunteers won't know if they're getting the real shot or a dummy version. After two doses, scientists will closely track which group experiences more infections as they go about their daily routines, especially in areas where the virus still is spreading unchecked.
- "Unfortunately for the United States of America, we have plenty of infections right now" to get that answer, NIH's Dr. Anthony Fauci recently told the Associated Press.
- Several other vaccines made by China and by Britain's Oxford University earlier this month began smaller final-stage tests in Brazil and other hard-hit countries.
- But the U.S. requires its own tests of any vaccine that may be used in the country and has set a high bar: Every month through fall, the government-funded COVID-19 Prevention Network will roll out a new study of a leading candidate — each one with 30,000 newly recruited volunteers.

https://www.latimes.com/world-nation/story/2020-07-27/final-test-moderna-coronavirus-vaccine-getsunderway?utm_source=sfmc_100035609&utm_medium=email&utm_campaign=28425+Essential+California+07%2f28%2f20&utm_term=https%3a%2f%2fwww.latimes.com%2fworldnation%2fstory%2f2020-07-27%2ffinal-test-moderna-coronavirus-vaccine-gets-underway&utm_id=10861&sfmc_id=3160688

RELATED

COVID-19 Vaccine Tracker

- Researchers are in the process of developing more than 150 potential vaccines to protect against coronavirus.
- This tracker to help you follow the progress of the groups around the world trying to develop one first.

https://news.sky.com/story/coronavirus-tracking-every-global-effort-to-find-a-covid-19-vaccine-12030675

COVID VACCINE TRACKER PRE-CLINICAL PHASE I PHASE II PHASE III LICENSED DISTRIBUTED 139 12 5 9 0 0 accines in/ expanded safety trials Given to public Approval by govt agence testing safety an dosage arge-scale efficacy tests

RELATED

Big Pharma and the cost of developing COVID-19 drugs and vaccines

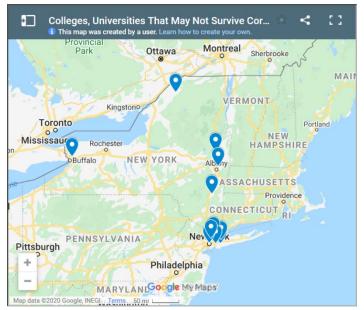
- The race to develop vaccines and treatments for the coronavirus pandemic is entering a crucial stage with large-scale trials under way.
- But with seemingly little oversight on pricing, some experts are concerned that pharmaceutical companies could end up charging way too much for COVID-19 treatments.
- And if rich nations corner the market on vaccines, they could also limit accessibility for low-income countries.
- Plus, Twitter found itself at the center of a hack that compromised its high-profile users' accounts. We talk to the CEO of a Silicon Valley company that uses biometrics and artificial intelligence to protect accounts https://www.aljazeera.com/programmes/countingthecost/2020/07/bjg-pharma-cost-developing-covid-19-drugs-vaccines-200725072058035.html

Notre Dame withdraws as host of first presidential debate amid pandemic

- The University of Notre Dame announced Monday that it is withdrawing as the host site for the first of the 2020 presidential debates, scheduled for September 29.
- "The constraints the coronavirus pandemic put on the event as understandable and necessary as they are have led us to withdraw," university president Reverend John I. Jenkins said in a letter to the Notre Dame community.
- He said that after consulting with a county health official, he had made "this difficult decision because the necessary health precautions would have greatly diminished the educational value of hosting the debate on our campus." Jenkins added that "the inevitable reduction in student attendance in the debate hall, volunteer opportunities and ancillary educational events undermined the primary benefit of hosting to provide our students with a meaningful opportunity to engage in the American political process."Former US Food and Drug Administrator Dr. Scott Gottlieb said the US could see upwards of 300,000 deaths from Covid-19 if the country doesn't change its trajectory.
- In a press release, the Commission on Presidential Debates announced Case Western Reserve University and Cleveland Clinic will now co-host the debate in two months, to be held at the Health Education Campus in Cleveland.
 https://www.cbsnews.com/news/notre-dame-withdraws-host-first-presidential-debate-2020/

3 Long Island Universities May 'Perish' Due To Coronavirus

- A new analysis identified 14 colleges and universities likely to "perish" due to the coronavirus. Three were on Long Island.
- according to research by Scott Galloway, a marketing professor at New York University who categorized over 400 higher education institutions into four quadrants: thrive, survive, struggle or perish due to the effects of the coronavirus.
- Galloway plotted the institutions across two axes: value and vulnerability. Value looked at factors such as credentials, experience, education and tuition. Vulnerability looked at factors such as endowment dollars per student and share of international students.
- Low endowment dollars and reliance on full-tuition international students make a university vulnerable to what he called "Covid shock," as those institutions could opt to "sit this semester/year out."
- Galloway's "perish" list includes 89 schools such as University of Massachusetts Boston, University of Indianapolis, University of New England, University of Hartford, George Fox University, and Robert Morris University. These schools feature a "sodium pentathol cocktail of high admit rates, high tuition, low endowments, dependence on international students, and weak brand equity," Galloway said.
- On Long Island, Hofstra University, Long Island University and Adelphi University were all categorized under the "perish" list. St John's University, Pace University, Yeshiva University and Fordham were also on the dire list. <u>https://patch.com/new-york/glencove/3-long-island-universities-may-perish-due-coronavirus</u> the research by Scott Galloway <u>https://www.profgalloway.com/uss-university</u>



65 New COVID Cases In Middletown, NJ Nearly All In Teens 15-19

- There were 65 new confirmed cases of the coronavirus in Middletown over the past week, and 52 of them are in young people between the ages of 15 and 19.
- The new case numbers were announced Monday by Gov. Phil Murphy in his daily coronavirus briefing (which you can watch below). Also, after Murphy pleaded last week for parents to work with contact tracers following that infamous July 11 Middletown house party, many more parents are now coming forward, Middletown health officials said Monday.
- "We have received a large response from parents who weren't aware of the situation and thankful that they could address it with their kids and ensure they get tested/quarantine," said Middletown Health Department Director Rich DeBenedetto in a statement Monday.
- "We appreciate the public's overwhelming response and we thank them for it," said Middletown Mayor Tony Perry.
- Dozens of young people were exposed to coronavirus at a July 11 house party on West Front Street in Middletown. About 20 teens tested positive for the coronavirus after the party, said health officials.
 https://patch.com/new-jersey/middletown-ni/65-new-covid-cases-middletown-nearly-all-teens-15-19

RELATED

3 Charged After Party At Airbnb Rental Draws 700: Jackson Police

https://patch.com/new-jersey/brick/3-charged-after-party-airbnb-rental-draws-700-jackson-police

Riverside County COVID-19 Antibodies Study: 100K+ Infections

- Riverside County health officials said Monday that preliminary data from a recent Riverside University Health System COVID-19 antibody testing study show well over 100,000 county residents have likely been infected with the virus but they were never accounted for.
- The randomized study of 1,726 county residents the results of which are still being analyzed was conducted over two weekends in July and included children (5 years and older) and adults. Researchers wanted to know whether the individuals had been exposed to coronavirus and developed COVID-19 antibodies. Initially, 3,500 individuals were sought for the study.
- Of the, 1,726 people tested, 101 of them showed they had developed antibodies for COVID-19 a positivity rate of 5.9 percent. Negative tests numbered 1,621, and four tests came back with unclear results, according to RUHS.
- "Based on that data, it is estimated there have been between 118,000 and 175,400 infections in Riverside County," according to RUHS. As of Monday afternoon, 35,187 infections have been reported countywide.
- it's not clear how many of those who showed they had developed antibodies were asymptomatic when infected. On Friday, Dr. Geoffrey Leung, Riverside University Health System-Medical Center, said asymptomatic carriers are greatly contributing to the uptick in new coronavirus cases.
- "Forty percent of spread is silent spread," he said. https://patch.com/california/temecula/100-000-riverside-county-residents-exposed-coronavirus-study

One Good Thing

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

Information

Red Cross issues plea for COVID-19 survivors to donate plasma to help patients currently battling this coronavirus - Get a \$5 Amazon gift card if you donate plasma, blood

- Today, the American Red Cross announced it's facing an emergency shortage of convalescent plasma, a type of blood donation collected from individuals who have recently recovered from coronavirus that contains antibodies that may help patients actively fighting the virus. Right now, the Red Cross is distributing convalescent plasma products faster than donations are coming in.
- •
- Over the past month, the Red Cross has seen hospital demand for convalescent plasma more than double as coronavirus cases have sharply increased in many U.S. states.
- •
- Individuals who have fully recovered and received a verified COVID-19 diagnosis are urged to sign-up to give convalescent plasma now by completing our Donor Information Form on <u>RedCrossBlood.org/plasma4covid</u>



https://www.redcross.org/about-us/news-and-events/press-release/2020/national-coronavirus-surge-leads-to-emergency-convalescent-plasma-shortage.html

Atlanta, GA you can get a \$5 Amazon gift card if you donate plasma, blood

https://www.redcross.org/local/georgia/about-us/news-and-events/press-releases/red-cross-encourages-donations-to-keep-robust-blood-supply-as-pa.html

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

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

ARTICLES:

<u>'The whole church has got it, just about': dozens</u> with Covid-19 after Alabama Baptist revival

Juneau processor sanitized, screened, quarantined but COVID-19 still got in

Social Impact COVID-19 Events in the United States



COVID-19 Case Clusters

About this Map | Developed by HealthMap

TYPE OF EVENT ?



COVID-19 Update



Situation: Upward trajectory in COVID-19 case count continues across 20 (+10) states, with 6 (-20) states in a plateau status, and 30 (+10) states on a downward trajectory. 28,446 (- 656) Federal employees deployed / activated; 2,188 (-31) FEMA employees deployed.

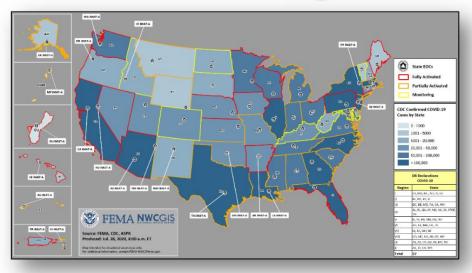
Nationwide Testing: 53,718,026 (+775, 881) cumulative (as of July 27)

COVID-19 positive cases continue to increase globally (CDC COVID-19 Response Update as of July 27)

- Confirmed Cases of COVID-19
 - o United States: 4,225,687 (+61,795)
 - Worldwide: 15,785,641 (+200,625)
- · Deaths caused by COVID-19
 - o United States: 146,546 (+564)
 - Worldwide: 640,016 (+4,823)

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 27)

State Data

https://covid19.ca.dov/ 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

California COVID-19 By The Numbers

July 27, 2020

Numbers as of July 26, 2020

CALIFORNIA COVID-19 SPREAD

460,550 (+6,891)

Gender of Confirmed Cases

TOTAL CASES

Ages of Confirmed Cases • 0-17: 41,148

• 18-49: 278,295 • 50-64: 88,800

• 65+: 51,772

• Female: 230,423 • Male: 227,545 • Unknown/Missing: 2,582

Hospitalized/in ICU

• Unknown/Missing: 535

Hospitalizations* Suspected COVID-19

Confirmed COVID-19 6.935/2.012

Your actions save lives.

Hospitalized/in ICU

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

209

covid19.ca.gov



8,445 (+29)

Fatalities

For county-level

hospital data:

bit.ly/hospitalsca



California Statistics

Total Population: 40,129,160

Note: HHS Significantly changed reporting requirements resulting in historical data from non-reporting facilities not being part of today's update. This data will be added back in as soon as it is available.

131,388

New Cases (Last 14 Days) 327.4 Per 100K 460.550 Total Cases

1,405

New Deaths (Last 14 Days)

3.5 Per 100K 8,445 Total Deaths

1,752,213

Tests Reported (Last 14 Days) 7.5% Test Positivity 3.1 Daily per 1,000 Residents 7,296,578 Total Tests Reported









Riverside County Data

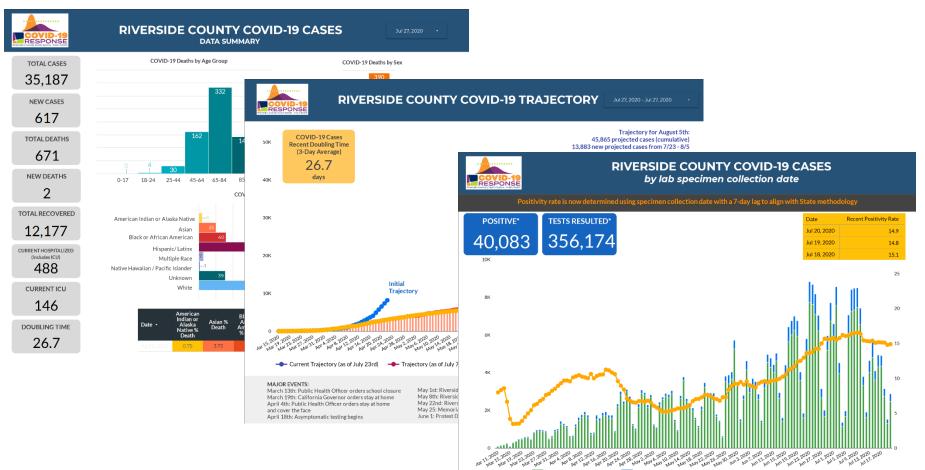
https://www.rivcoph.org/coronavirus

RUHS Public Health:

- Riverside County health officials ask residents to call 9-1-1 when they have urgent health needs English / Spanish July 27, 2020
- Antibody study shows coronavirus spread wider in Riverside County July 27, 2020
- Riverside County to give out 10 million masks as part of 'Masks are Medicine' campaign July 24, 2020

Daily Epidemiology Summary updated 7-27-2020

https://rivcoph.org/Portals/0/Documents/CoronaVirus/July/Dashboard/Public%20Daily_COVID-19_Updates%207.27.20.pdf?ver=2020-07-27-172542-037×tamp=1595897891910



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 cose count

Weather

COVID-19 Weather	7-day Forecast for Counties in far Southwest CA									
Support	Period Jul 27 - Aug 3 (24-hr)	Orange	SW San Bernardino	All Deserts	Western Riverside	San Diego				
Issued: 1100 AM July 27 2020	Today	None	None	Warm Breezy	None	None				
SERVICE	Tuesday	None	None	Warm Breezy	None	None				
Hanford	Wednesday	None	None	Warm	None	None				
Los Angeles	Thursday	None	Warm	Hot	Warm	None				
Diego Phoenix	Friday	Very Warm	Hot	Hot	Hot	Very Warm				
	Saturday	Warm	Hot	Hot	Hot	Warm				
one Minor Moderate High Extreme	Sunday	None	Warm	Hot	Warm	None				
 https://www.weather.gov/spot/ https://inws.ncep.noaa.gov 	Monday	None	Warm	Hot	Warm	None				
 https://www.wrh.noaa.gov/sgx/ev ent/dsstable.php 	Forecast Discussion									
ent/dsstable.pnp	Heat will build through this week, with excessive heat likely across the deserts and									

Heat will build through this week, with excessive heat likely across the deserts and inland valleys starting on Thursday. The heat looks to peak on Friday, with high temperatures ranging 5 to 10 degrees above average. Temperatures will top out near 115-120 F for the Lower Deserts, 105 F in the High Deserts, and 100-105 F across the Inland Empire. Elsewhere, expect widespread 90's for inland valleys, upper 80's to low 90's in the mountains. and some coastal spots reaching the low 80's.

Latest hazard threat table: <u>https://www.wrh.noaa.gov/sgx/event/dsstable.php</u> https://www.weather.gov/forecastpoints#

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

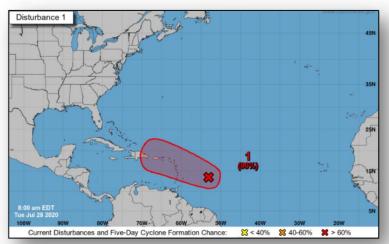
Weather.gov/SanDiego

Tropical Outlook – Atlantic

Disturbance 1 (Invest 92L) (as of 8:00 a.m. ET)

- Located 500 miles E of the Windward Islands
- Moving WNW at 15-20 mph
- Environmental conditions expected to become somewhat more conducive for development; a tropical depression or tropical storm likely to form during the next couple of days
- Locally heavy rain and gusty winds likely across portions of the Leeward Islands on Wednesday and will spread westward to the Virgin Islands and Puerto Rico Wednesday night and Thursday
- Formation chance through 48 hours: High (80%)
- Formation chance through 5 days: High (90%)





Tropical Outlook – Eastern Pacific



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

- A couple hundred miles off the coast of southwestern Mexico
- Strong upper-level winds expected to inhibit significant development as the system moves slowly NW parallel to, but just offshore of the SW coast of Mexico during the next couple of days
- Formation chance through 48 hours: Low (10%)
- Formation chance through 5 days: Low (10%)



Tropical Outlook – Central Pacific (Final)



Tropical Cyclone Douglas (Advisory #32 as of 5:00 a.m. ET)

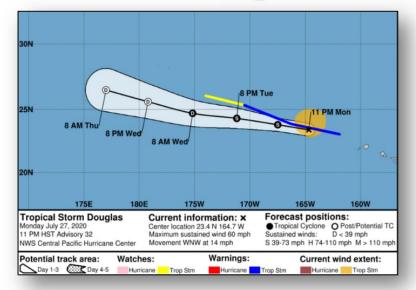
- 460 miles WNW of Honolulu, HI
- Moving WNW at 14 mph
- Maximum sustained winds 60 mph
- Weakening forecast over the next couple of days; expected to dissipate by Thursday
- Tropical-storm-force winds extend 125 miles

Watches/Warnings:

- All Hurricane Watches and Warnings have been cancelled
- A Tropical Strom Watch in effect for portions of the Papahanaumokuakea Marine National Monument from Nihoa to French Frigate Shoals to Maro Reef and Lisianski

Impacts:

- Rainfall will affect portions of the Papahanaumokuakea Marine
 National Monument over the next couple of days
- Large swells producing large breaking waves will impact the Papahanaumokuakea Marine National Monument the next couple of days; inundation possible for some low lying atolls



Disturbance 1 (92L) – Preparation/Response

Situation:

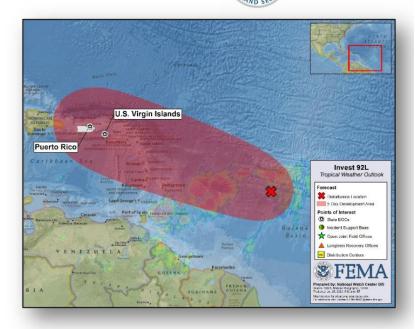
Shower activity associated with a low pressure area located 500 miles east of the Windward Islands is gradually increasing in organization. Regardless of development, local heavy rains and gusty wind likely across portions of the Leeward Islands and spreading westward to the Virgin Islands and Puerto Rico Wednesday night and Thursday.

Potential Impacts:

- · Heavy rainfall, strong winds and local flooding
- Landslides

Response:

- PR EOC at Full Activation (COVID-19)
- USVI EOC at Partial Activation (COVID-19)
- · Region II RRCC at Level III; IMAT deployed to USVI
- · Region I IMAT deployed to PR
- · National ISB team and select SMT personnel deployed to USVI & PR
- Maynard MERS deploying to USVI & PR
- NRCC remains activated to Level I (COVID-19)



FEMA

