



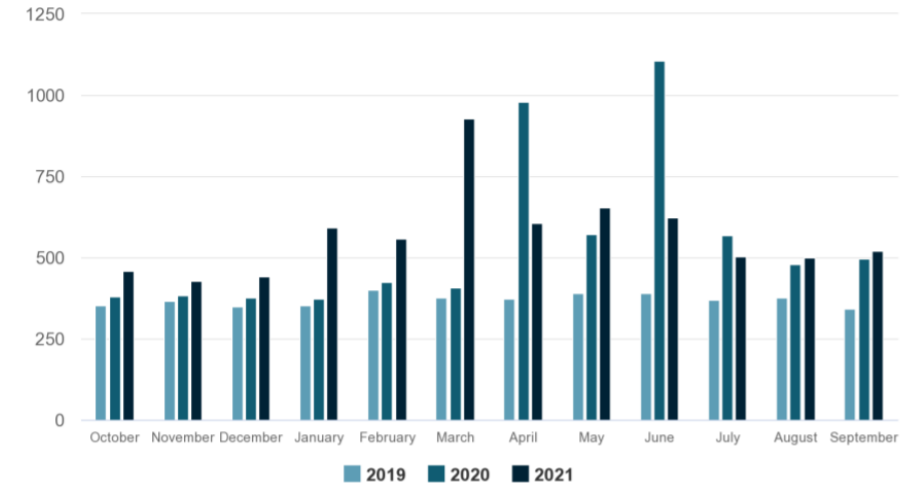
OEM: Weekly SITREP

October 12, 2021

USA & WORLD

- US schools [gave kids laptops](#) - then they spied on them.
- WHO calls for [climate action](#) to assure sustained recovery.
- Texas [school shooting](#) leaves four injured.
- Justice Department: [Threats](#) against School Officials.
- World experiencing a [cybercrime pandemic](#).
- Secret Service, FBI highlight [successes](#) of 2021.
- Studies ([1](#), [2](#)) warn US could see 'twindemic.'
- [4 key points](#) from Facebook whistleblower's testimony.
- FDA authorizes ACON Laboratories [Flowflex](#) home test.
- US deaths from virus in 2021 [surpass](#) 2020 total.
- J&J [seeks](#) FDA clearance for booster shots.
- [Burnout](#) isn't just fatigue. It's far more insidious.
- China purchased [PCR tests](#) months before first reported case of COVID - [findings](#) challenge beginning of pandemic.
- [Study](#): Trends in anxiety & depression severity during pandemic.
- NIH Director to [step down](#) by the end of year.
- AstraZeneca asks FDA for [emergency authorization](#) for AZD7442 antibody treatment to prevent COVID.
- How being unvaccinated can [impact](#) your wallet.

Figure 1.
Monthly Outlays
Fiscal Years 2019, 2020, 2021
Billions of Dollars

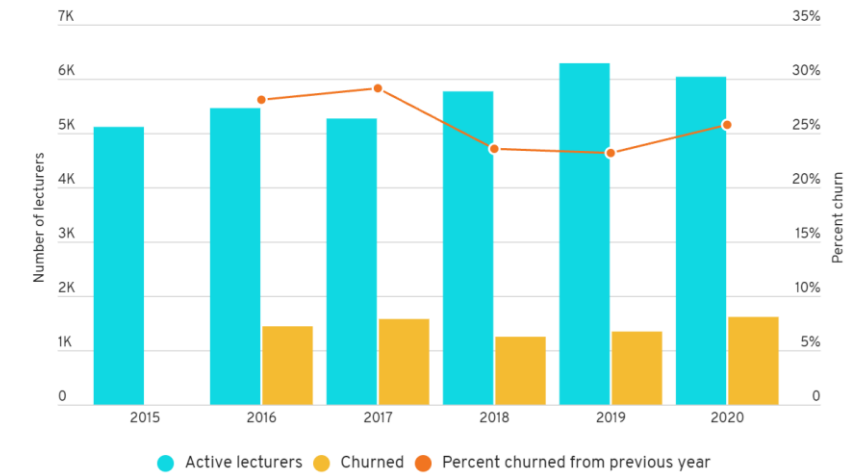


- Outlays for [unemployment compensation](#) were \$80 billion (or 17 percent) lower in 2021 than in 2020.
- In both 2020 and 2021, spending on unemployment compensation was significantly higher than in 2019 because of enhanced benefits authorized by the CARES Act that were extended by the CAA and ARPA.
- Spending on those benefits reached its peak in the summer of 2020.
- Outlays for unemployment compensation declined in 2021.

CALIFORNIA

- 770 [new laws](#) coming to California.
- UCB prof awarded [Nobel](#) prize for research on minimum wage.
- San Jose [apologizes](#) to Chinese immigrants & their descendants.
- [Emergency response team](#) helps schools navigate wildfires.
- UCD & UCSF study: [no significant difference](#) in Delta viral positivity load between vaccinated and unvaccinated – the vaccinated can still infect others.
- Kaiser [suspends](#) thousands of employees who shunned vaccine.
- UC Regents approve a [controversial housing project](#) at the site of Berkeley's historic People's Park - litigation expected.
- Homes that survived the 2018 Camp Fire [illustrate](#) preventive measures that likely [helped houses resist wildfire](#).
- Commitment to [safety](#) leading state out of the pandemic.
- Newsom proclaims [State of Emergency](#) in response to oil spill.
- HB [oil spill](#) draws opposition to offshore oil production - [Supply chain](#) may have been a factor in disaster.
- Newsom [vetoes](#) bill that would have required law enforcement officers to undergo regular training.
- SpecOps soldiers evade [ninja attack](#) at California airport.

More than a quarter of UC lecturers don't return to their jobs each year



Source: CalMatters analysis of UC personnel data obtained through a public records request – "Juris Roster Files" for UC lecturers

About a quarter or more of lecturers working one year disappear from UC employment rolls the following year annually between 2015 and 2020, according to a CalMatters [analysis](#). The figures don't say why lecturers leave.

The findings, together with union data that shows lecturers on average work for two years at the UC, suggest that the university system relies on inexpensive labor to educate its 285,000 students. But while about 1,400 lecturers don't return annually, their overall ranks keep growing at the UC.

REGION

- Southern California Kaiser employees vote to authorize [strike](#).
- UC President recognizes [KUCR's 55 years of service](#).
- UCR granted [\\$5 million](#) for stem cell research training.
- “Breaking the promise of opportunity”: UCR brags about narrowing achievement gaps, but rejects 1/3rd of its applicants. [“Turning down a lot of people can cover up a lot of problems.”](#)
- SoCal Edison: [Possible Public Safety Power Shutoffs](#).
- UCLA anesthesiologist [escorted out of workplace](#).
- UCSD DIY’ers build [homemade air purifiers](#) for campus, claim filters catch 90% of Covid virus particles.
- 4,000 [lightning strikes](#) recorded during SoCal storm.
- Case Breakers believe Gary Francis Poste a.k.a. the [Zodiac Killer](#), is responsible for a 1966 murder in Riverside.
- Riverside approves [plan](#) for more than 20k new homes by 2029.
- Companies will pay nearly [\\$78 million](#) to clean up contaminated groundwater at two toxic waste sites.
- Riverside County Sheriff Chad Bianco [linked](#) to Oath Keepers.

TABLE 6. TEN MOST POPULOUS LOCATIONS THAT EXPERIENCED MORE THAN 100 DAYS OF ELEVATED PM_{2.5} IN 2020

Location	Number of days with PM _{2.5} AQI over 50	Population
Los Angeles-Long Beach-Anaheim, CA	178	13,109,903
Riverside-San Bernardino-Ontario, CA	118	4,678,371
San Diego-Chula Vista-Carlsbad, CA	225	3,332,427
Indianapolis-Carmel-Anderson, IN	101	2,091,019
Fresno, CA	171	1,000,918
Bakersfield, CA	119	901,362
Dayton-Kettering, OH	102	809,248
Stockton, CA	153	767,967
Jackson, MS	116	589,082
Spokane-Spokane Valley, WA	102	574,585

A new report titled ‘[Trouble in the Air: Millions of Americans Breathed Polluted Air in 2020](#)’, shows the number of days where elevated air pollution occurred in areas across the U.S. including Riverside.

The effects of air pollution include:

- Damage to the respiratory system
- Damage to the cardiovascular system
- Worsened mental health and cognitive function
- Fertility and pregnancy problems
- Many forms of cancer
- Damage to the immune system
- Increased risk due to infectious diseases, including COVID-19
- Premature death

[RivCo EOC](#) is currently activated to Level 3 (virtual) in support of the ongoing COVID-19 response.

COMMUNICATIONS

- **11 October:**
 - **Provost's Office Hours - Fall Series**
- **08 October:**
 - **Research Student Participation - A Mind-Body Strategy for Physical and Mental Well-Being**
- **07 October:**
 - **UCOP COVID-19 Digest**
- **06 October:**
 - **myStrength App Provides Personalized Emotional Support to Help On-Site Work Anxiety**
- **05 October:**
 - **UCR ITS Security Alert - UC community PII may have been used in attempts to open unauthorized bank accounts at financial institutions such as Chime and Go2Bank**
 - **5th Year Senior Leadership Review for Vice Chancellor and Dean Deborah Deas**

Please Reference Notes Section For More Information

NOTABLE

- [Fire Prevention 2021 Campaign “Learn the Sounds of Fire Safety!”](#)
- [October marks Cybersecurity Awareness Month](#)
- [CalOES: Cyber Security Awareness Month](#)
- [Stanford School of Medicine Symposium Series: Effects & Lessons of the Pandemic](#)
- [John Hopkins Podcast: Where Are We in the COVID-19 Pandemic?](#)
- [‘Risk Appetite: The facts, the myths, and the links with culture, maturity and sustainability’](#)
- [The business continuity plan of the future](#)
- [CISA releases new tool to help organizations guard against Insider Threats](#)
- [Burn-out an "occupational phenomenon": International Classification of Diseases](#)
- [How to Build an Incident-Response Plan, Before Security Disaster Strikes](#)
- [Understanding How Facebook Disappeared from the Internet](#)
- [The Data Equity Framework is a systematic way of looking at data projects](#)
- [Lightning could spark more California fires as world warms](#)
- [Coalition for Epidemic Preparedness Innovations: Accelerating pandemic response efforts](#)
- [Inside the CIA’s secret Kabul base](#)

2021 Cybersecurity Awareness Month

- October is Cybersecurity Awareness Month!
- “Do Your Part. [#BeCyberSmart](#).”
- Use the hashtag [#BeCyberSmart](#) before and during October to promote your involvement in raising cybersecurity awareness.
- 2021 focus and outreach:
 - October 4 (Week 1): Be Cyber Smart.
 - October 11 (Week 2): Phight the Phish!
 - October 18 (Week 3): Explore. Experience. Share. – Cybersecurity Career Awareness Week
 - October 25 (Week 4): Cybersecurity First



- Join the National Cyber Security Alliance and Nasdaq for the 2021 Cybersecurity Summit, [“Cybersecurity Crossroads: The Intersection of Information, Technology, and People.”](#)
- The challenges faced by the cybersecurity community today are hitting mainstream headlines.
- However, new approaches to information sharing, securing technologies, and human-centric cyber training can empower organizations and professionals to enable a safer, more secure world.

Cybersecurity Career Awareness Week

October 18 - 23, 2021



Do Your Part.

#BeCyberSmart



Credit: Shutterstock

[About the Campaign](#)

Learn more about Cybersecurity Awareness Week



Credit: Shutterstock

[Discovering Cybersecurity Careers](#)

Examine resources about cybersecurity careers



Credit: Shutterstock

[Cybersecurity in Your Community](#)

Explore cybersecurity in your neighborhood

Cybersecurity starts with YOU and is everyone's responsibility.

2021 Cybersecurity Awareness Month



Examples

- Identity theft
- Child sexual abuse materials
- Financial theft
- Intellectual property violations
- Malware
- Malicious social engineering

CYBERCRIME



What is it?

Cybercrime is any crime which is committed electronically.

This can include...

- Theft
- Fraud
- Sometimes even murder



Why should you care?

- Crime is a danger offline and on!
- Cyber self-defense basics can go a long way to keeping you and your data out of the hands of bad actors.

2021 Cybersecurity Awareness Month



MALWARE

Examples

- Ransomware
- Adware
- Botnets
- Rootkits
- Spyware
- Viruses
- Worms



What is it?

Any software intended to...

- Damage
- Disable
- Or give someone unauthorized access to your computer or other internet-connected device



Why should you care?

- Most cybercrime begins with some sort of malware. You, your family, and your personal information is almost certainly at risk if malware finds its way onto your computer or devices.

2021 Cybersecurity Awareness Month



RANSOMWARE



What is it?

Malware designed to make data or hardware inaccessible to the victim until a ransom is paid.

Examples

- Cryptolocker
- Winlock
- Cryptowall
- Reveton
- Bad rabbit
- Crysis
- Wannacry



Why should you care?

- Often downloaded as malicious email links
- Damage to both financial stability and reputation
- No guarantee that you will get your data back, even if you pay
- Often used as a decoy for other malicious activity

Keeping Safe on Social Media

- Social media sites and apps are great ways to connect and share information.
- User profiles, timelines, social media status, friend lists, and message services grant your contacts insights into your day-to-day activities.
- However, these sites can also provide adversaries with the critical information they need to disrupt your life and harm or harass you, your co-workers, or even your family members.
- The following guidance can better prepare you to protect against online threats.

Identify Critical Information

Critical information is any information considered sensitive or that could do harm if compromised. Here are some examples:

- ▼ Names, photos, and relationships
- ▼ Usernames, passwords, computer and networking information
- ▼ Operational, security, and logistical data
- ▼ Mission capabilities or limitations
- ▼ Job title, location, salary, grade, and clearance
- ▼ Schedules, travel itineraries, and locations
- ▼ Social Security numbers, credit cards, and banking information
- ▼ Work or personal addresses and phone numbers
- ▼ Interests, hobbies, likes, and dislikes



Cyber Threat's to Emergency Services

- **Cyber Espionage**
 - Limited, geopolitically-driven
- **Cyber Crime**
 - Somewhat frequent, ranging severity
- **Influence Operations (IO)/Disinformation**
 - Observed IO narratives aimed at widening existing wedges in society
- **Hacktivism**
 - Common during times of ideological conflict

“Emergency operations communications, database management, biometric activities, telecommunications, and electronic security systems are conducted virtually and are vulnerable to cyber disruptions”

~ DHS 2015 Emergency Services Sector-Specific Plan

Cyber Threat Impact to Emergencies

Human



More than 2,500,000
career and
volunteer ESS
personnel in five
disciplines

**Law
Enforcement**

**Emergency
Management**

**Fire and Rescue
Services**

**Emergency Medical
Services**

Public Works

Physical



Facilities
for daily operations,
support, training, or storage

Equipment
specialized for discipline
and capability (e.g., personal
protective, communications,
surveillance)

Vehicles
specialized for discipline and
capability (e.g., ambulances,
HazMat, aircraft, and
watercraft)

Cyber



Virtual Operations
Emergency operations
communications, database
management, biometric
activities, and security systems
are frequently operated in
cyberspace.

Internet
The Internet is widely used by
the sector to provide information
and distribute alerts, warnings,
and threats relevant to the
sector.

Information Networks
Computer-aided dispatch and
watch and warning systems,
information-sharing portals, and
social networking are leveraged
to keep the ESS informed and
connected.

Resources

Cybersecurity Guidance from nsa.gov

- [Mobile Device Best Practices](#)
- [Telework Best Practices](#)
- [Identity Theft Threat and Mitigations](#)
- [Limiting Location Data Exposure](#)
- [Compromised Personal Network Indicators and Mitigations](#)
- [Best Practices for Keeping Your Home Network Secure](#)
- [NSA's Top Ten Cybersecurity Mitigation Strategies](#)



Threats to mobile devices are more prevalent and increasing in scope and complexity. Users of mobile devices desire to take full advantage of the features available on those devices, but many of the features provide convenience and capability but sacrifice security. This best practices guide outlines steps the users can take to better protect personal devices and information.

