

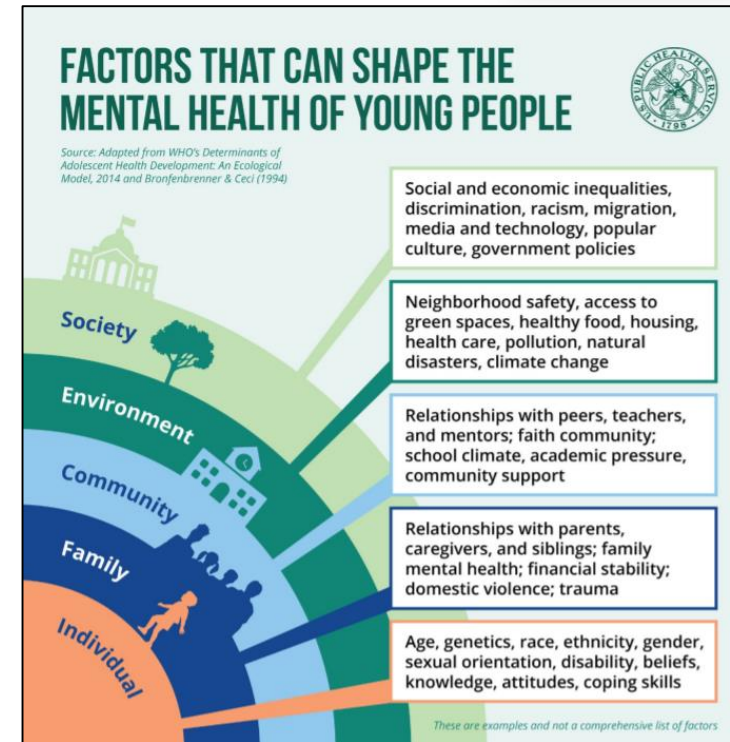


# OEM: Weekly SITREP

December 14, 2021

# USA & WORLD

- Geminid [meteor shower](#) peaks tonight.
- Omicron reports mild symptoms; mostly [hitting](#) fully vaccinated.
- US diplomatic [boycott](#) of the 2022 Beijing Olympics.
- \$1M to family of student fatally [shot](#) by campus police.
- World [unprepared](#) for the next pandemic.
- [CIA confirmation](#): It is working on cryptocurrency projects.
- Congress eyes new international [biothreat](#) organization.
- Omicron likely to [weaken](#) COVID vaccine protection.
- What Wall Street economists [expect](#) for the US economy in 2022.
- [Report](#): Missile strike risks to Middle East nuclear reactors.
- Pfizer and Biontech provide [update](#) on omicron variant.
- Tor's main site blocked in Russia as [censorship](#) widens.
- Lawmakers [denounce](#) US states as hubs for financial secrecy.
- Pfizer says third dose of vaccine offers [protection](#) against omicron.
- Unemployment for [lost jobs](#) due to vaccine mandates.
- Senate passes [stopgap funding bill](#), avoiding shutdown.
- Prediction: [150k Americans will die](#) by March due to Covid.
- Court ordered seizure of websites used by China for [cyber-espionage](#).
- What's behind Russia-Ukraine [tensions](#)?
- Amazon announces second '[Top Secret](#)' cloud region.



## U.S. Surgeon General [warns](#) of youth mental health crisis

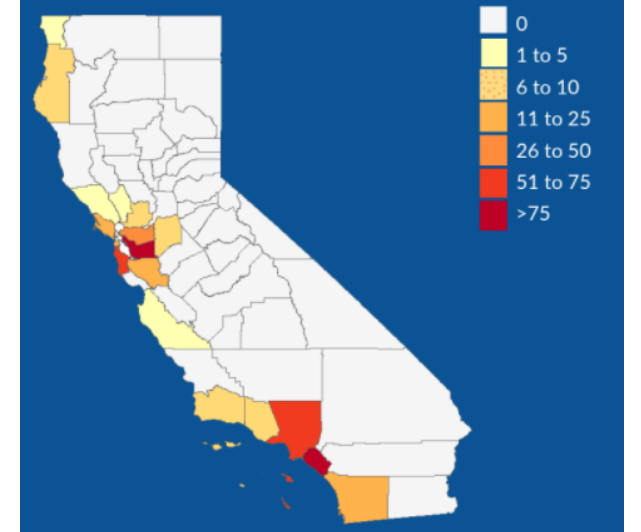
- The [53-page advisory](#) highlights recent research showing that symptoms of depression and anxiety have doubled during the pandemic.
- It's estimated that a quarter of America's youth experience depression symptoms and 20% experience anxiety.
- Additionally, research shows increases in impulsivity, irritability and other negative emotions, as well as an increase in emergency department visits for suspected suicide attempts.

# CALIFORNIA

- Major [storm](#) brings rain, snow.
- OC expects winter COVID [surge](#) fueled by omicron.
- What's [next](#) for University of California admissions?
- COVID cases rising across state are early signs of a [winter surge](#).
- Anti-vaccine group [targeted](#) head of California Medical Board.
- Incarcerated individuals [secure](#) state job offers.
- New policy [report](#) investigates worker transitions during the pandemic.
- 11 [vaccinated and boosted](#) KP workers apart of omicron cluster.
- CAL FIRE [funding](#) for projects that proactively address [Fire Prevention](#).
- Fugitive [accused](#) of shooting at police officer arrested.
- Inequities, enrollment loss [persist](#) at California colleges.
- Mandatory [food recycling](#) to begin in California.
- [Promapp](#): a common process mapping application across the UC.
- UC avoided one [big strike](#), but more are in the works.
- UC [refuses](#) to release 'Preliminary and Conceptual' Dormzilla agreement.
- Integrating Native history into state's [social studies](#) curriculum.
- Groundwater could get recharging [help](#) from alfalfa farms.
- Californians [paying more](#) for gasoline, food, and energy.
- [Report](#) explains allegations of sexual harassment at Sonoma Academy.
- Restaurant issues [apology](#) for [denying service](#) to armed police.

## PROJECTED NUMBER OF FACILITIES AT RISK OF FLOODING DUE TO SLR IN 2100 UNDER HIGH EMISSIONS SCENARIO (RCP 8.5)

By County:



**400+ toxic sites in California are at risk of flooding from sea level rise.**

- There is a risk of at least one flood event per year by 2100.
- The majority of at-risk facilities are in 5 counties: Alameda, Orange, San Mateo, Los Angeles, and Contra Costa.

**Research Team is comprised of:**

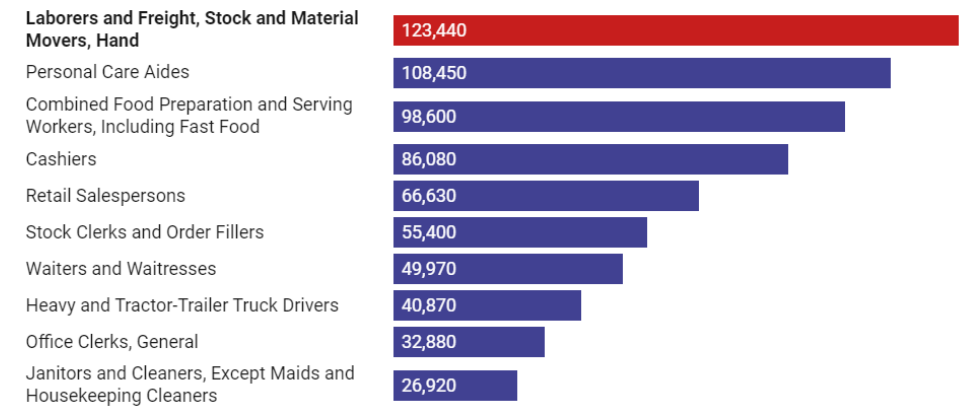
- UC Berkeley Sustainability and Health Equity Lab
- UCLA Fielding School of Public Health Climate Central

# REGION

- S.B. County [evacuation warnings](#) ahead of storm.
- UCR develops [wildfire modeling](#) for first responders.
- S.B. street gang [takedown](#) includes 180 arrests.
- Why UCSB [indulged](#) an eccentric donor.
- L.A. School Board [fires](#) 500 unvaccinated employees.
- Housing Department: Anaheim [illegally sold](#) Angel stadium.
- [Report](#): pipeline lacking leak detection system.
- Mexican [kidnap-for-ransom ring](#) in SoCal indicted.
- Inland Empire [leads](#) SoCal in economic growth.
- Annual Bald Eagle [closure](#) now in effect in Big Bear.
- Officials determine cause of Carson's '[stench of death](#).'
- Threats [investigated](#) against several SoCal schools.
- L.A. broker [stole](#) \$18m in COVID-19 pandemic loans.
- BB gun freeway shootings: [more charges filed](#) in RivCo.
- 113 L.A. firefighters [placed on leave](#) over vaccine mandate.
- Medfly [quarantine](#) in SoCal.
- USC [confirms](#) student testing positive for omicron variant.

## Inland Empire warehouse workers to remain in high demand

Highest number of projected job openings among Riverside-San Bernardino-Ontario MSA occupations from 2018 to 2028



- **Inland Empire** saw a 0.7% vacancy rate in Q3,.
- **That's the lowest rate ever tracked for a market.**
- **The bulk of demand is coming from overseas logistics and ecommerce tenants who service the Ports of Los Angeles and Long Beach.**
- **The combination of low vacancy and high rents near the ports is causing other companies to look for less-expensive space in inland markets.**

**The County of Riverside Emergency Operations Center is currently activated to [Management Watch](#).**

# COMMUNICATIONS

- **13 December:**
  - **UCR Staff Assembly Holiday Party: "Flannels & Frost"**
- **10 December:**
  - **Provost's Office Hours - Faculty**
- **09 December:**
  - **Details released in HazMat incident at Chemical Sciences Building Lab**
- **08 December:**
  - **UCR plan anticipates next phase of campus growth**
- **07 December:**
  - **VPIA Search Update – Application Deadline Extended**
- **06 December:**
  - **REMINDER: Upcoming UCPATH Downtime**

**Please Reference Notes Section For More Information**

# NOTABLE

- [Passports Now Most Attacked Form of ID](#)
- [Omicron spreading quickly; Time to work from home again](#)
- [Russia could launch digital offensive against Ukraine, administration official warns](#)
- [US Public Pension Funds Are 'Quiet Culprits of Climate Chaos'](#)
- [Chinese divestment under consideration at Catholic University of America](#)
- [L.A.'s Proof of Vaccine Mandate Deserves to Be Watched](#)
- [Teaching Kids to Fight Back Saved Dozens of Lives in Oxford High School Attack](#)
- [Considerations for Addressing Health Care Consolidation in California](#)
- [China Unleashed Its Propaganda Machine on Peng Shuai's #MeToo Accusation](#)
- [Wildfire & Water Supply In California](#)
- [Experts believe "killer" drones will change warfare as profoundly as the machine gun did](#)
- [Amazon wages secret war on Americans' privacy, documents show](#)
- [Special Forces soldiers headhunted to work as MI6 spies as China and Russia threat soars](#)
- [War movie about defeat of US Army is now China's biggest film ever](#)
- [This is how to rescue a hostage from terrorists in under a minute](#)
- [The Rise, Fall and Mutation of Political Machines](#)
- [Keeping College Affordable for California Students](#)
- [Experts Suggest Open Source Intelligence Has Important Role to Play in National Security](#)
- [Hackers attempting to steal university credentials by invoking omicron variant](#)
- [Webinars: State and Local Cybersecurity Grant Program](#)

# Sophos: Ransomware in Education 2021

- **This report shares new insights into the state of ransomware in the education sector.**
- **It provides a deep dive into the prevalence of:**
  - **ransomware in education**
  - **the impact of the attacks**
  - **the cost of ransomware remediation**
  - **the proportion of recoverable data**
- **The survey also reveals how education stacks up with other sectors, as well as the future expectations and readiness of education organizations in the face of these attacks.**

## Key findings in Education

- ▶ **44%** of organizations were hit by ransomware in the last year
- ▶ **58%** of organizations hit by ransomware said the cybercriminals succeeded in **encrypting their data** in the most significant attack
- ▶ **35%** of those whose data was encrypted **paid the ransom to get their data back** in the most significant ransomware attack
- ▶ The **average ransom payment** was **US\$112,435**
- ▶ However, those who paid the ransom got back just **68%** of their data on average, leaving almost a third of the data inaccessible
- ▶ The **total bill for rectifying a ransomware attack** in the education sector, considering downtime, people time, device cost, network cost, lost opportunity, ransom paid, and more, was, on average, **US\$2.73 million** – the highest across all sectors surveyed
- ▶ **55%** of those whose data was encrypted **used backups to restore data**
- ▶ **90%** of educational organizations have a **malware incident recovery plan**

**2020 was a tough year for education, with the sector experiencing the highest level of ransomware attacks of all industries (tied with retail).**

# Sophos: Ransomware in Education 2021

## The prevalence of ransomware in education

### Education's experience with ransomware last year

When the 499 education sector respondents were asked if their organization was hit by ransomware in the last year, defined as multiple computers being impacted by a ransomware attack, but not necessarily encrypted, 44% said yes.

### Educational Establishments Hit By Ransomware Last Year



Hit by ransomware in  
the last year



Not hit by ransomware in  
the last year, but expect to  
be hit in the future



Not hit by ransomware  
in the last year, and don't  
expect to be hit in the future



# Sophos: Ransomware in Education 2021

## The cost of ransomware

### Revealed: the ransom payments

Of the 357 respondents across all sectors that reported that their organization paid the ransom, 282 also shared the exact amount paid, including 37 in the education sector.

**\$ 170,404**

**Average GLOBAL ransom payment**

**\$ 112,435**

**Average EDUCATION ransom payment**

# Sophos: Ransomware in Education 2021

On average, education establishments that paid the ransom got back just 68% of their data, leaving a third of their data inaccessible. This is slightly better than the global average (65%) but still leaves a considerable proportion of the data inaccessible.



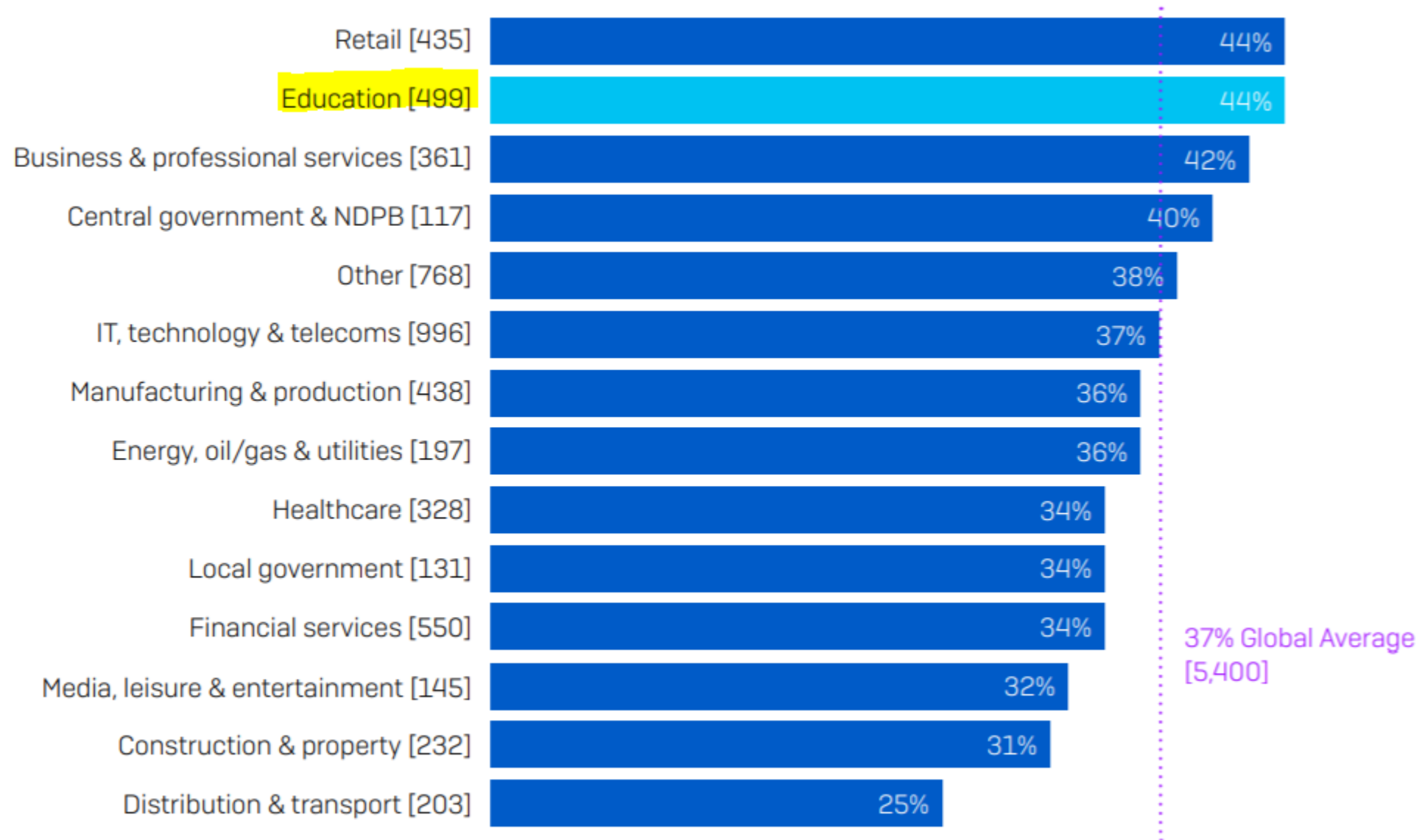
Got ALL their data back



Got half or less of their data back

# Sophos: Ransomware in Education 2021

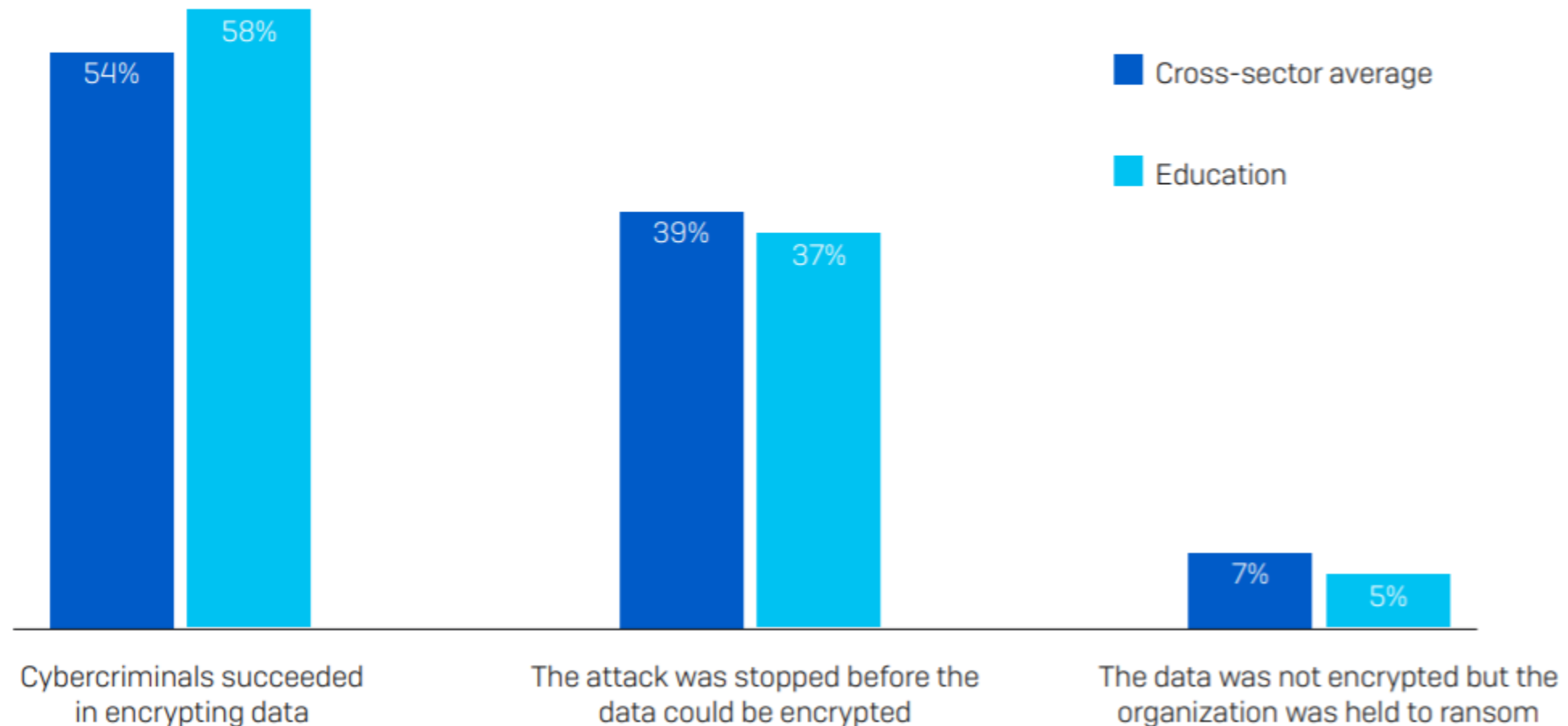
% respondents hit by ransomware in the last year



# Sophos: Ransomware in Education 2021

## Attackers succeed in encrypting education data

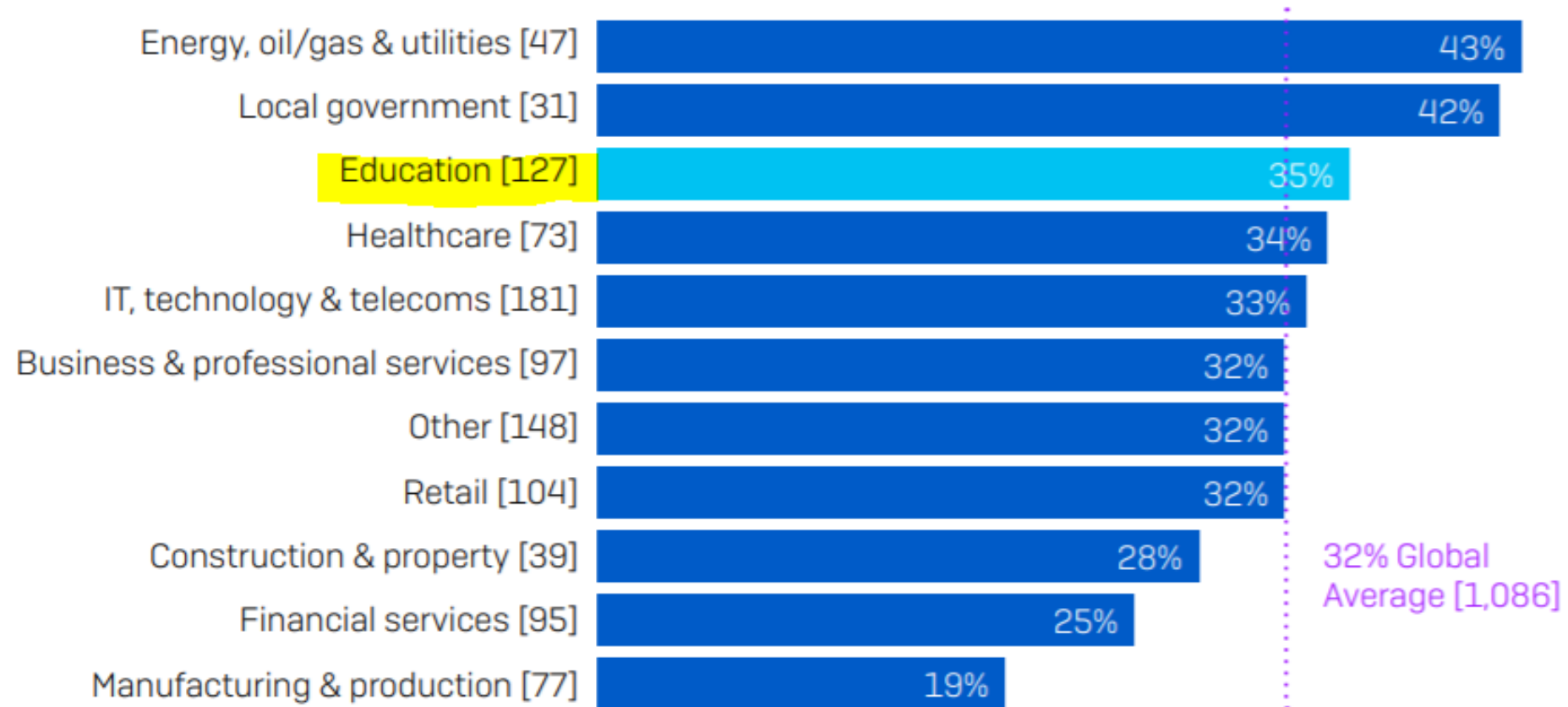
We asked the respondents whose organizations had been hit by ransomware whether, in the most significant ransomware attack they had faced, the cybercriminals succeeded in encrypting data.



# Sophos: Ransomware in Education 2021

## Propensity to pay the ransom

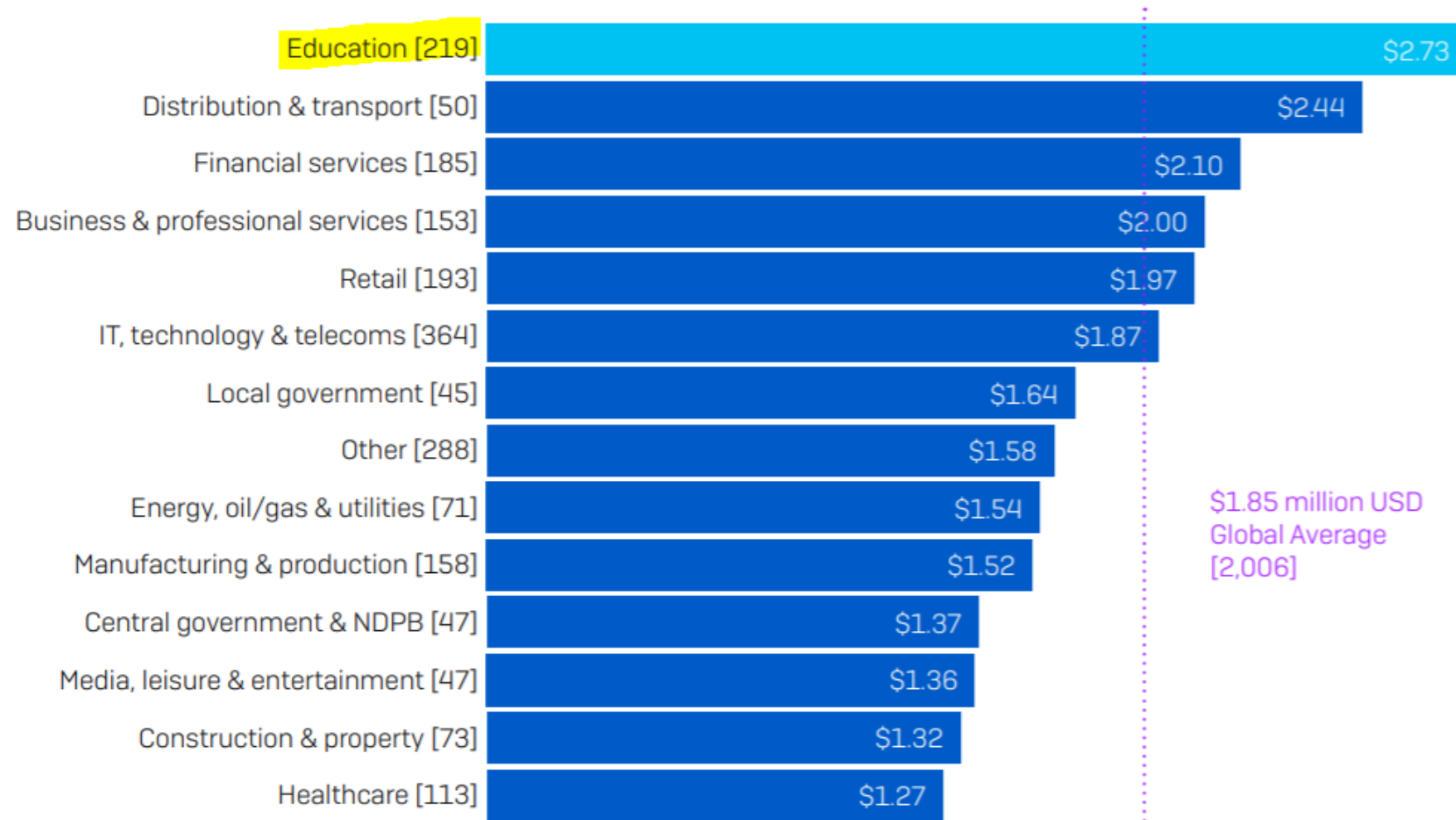
% that paid the ransom to get their data back



# Sophos: Ransomware in Education 2021

## Education has the highest ransomware recovery costs

The ransom is just a small part of the overall cost of recovering from a ransomware attack. Victims face a wide range of additional expenses including the cost to rebuild and secure their IT systems, PR, and forensic analysis.



# Sophos: Ransomware in Education 2021

## Why the education sector expects to be hit

Among the educational establishments that weren't hit by ransomware but expect to be in the future, the most common reason (46%) is that ransomware attacks are getting increasingly hard to stop due to their sophistication.

