

 MORNING CONSULT®

 IBM Security

IBM EDUCATION RANSOMWARE STUDY

OCTOBER 15 - 22, 2020

KEY FINDINGS

1. Nearly sixty percent (59%) of educators and administrators say they aren't sure or haven't received new cybersecurity initiatives or training for remote learning, despite 78% of educators saying they're currently utilizing some type of online learning.
2. More than half of educators don't know or have not received basic cybersecurity training (54%), and nearly 50% are not familiar with videobombing (46%), despite its popularity during the pandemic and nearly one in five (22%) saying one of their peers had experienced video conferencing related security issues during class.
3. Half of educators and administrators aren't concerned about an attack against their own institutions.
4. While administrators are nearly 20% more likely to receive cybersecurity training than educators, they are still unaware of critical information relevant to protecting their schools. For example, 83% of administrators expressed confidence in their school's ability to handle a cyberattack, yet more than 60% are unaware whether their school has a cyber insurance plan.
5. Over half (54%) of educators and administrators surveyed said budget is a large or medium barrier in strengthening their institution's cybersecurity posture.

Methodology: This study was conducted between October 15 – 22, 2020 by Morning Consult on behalf of IBM. The data represent the weighted results of 1000 responses collected among K-12 and college educators and 200 responses collected among K-12 and college administrators in the United States. The responses were collected online and stratified by gender. Results for educators have a margin of error of +/- 3%, while data for administrators has a margin of error of +/-7% at a 95% confidence level.

AGENDA

GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

CONCERN ABOUT CYBER ATTACKS

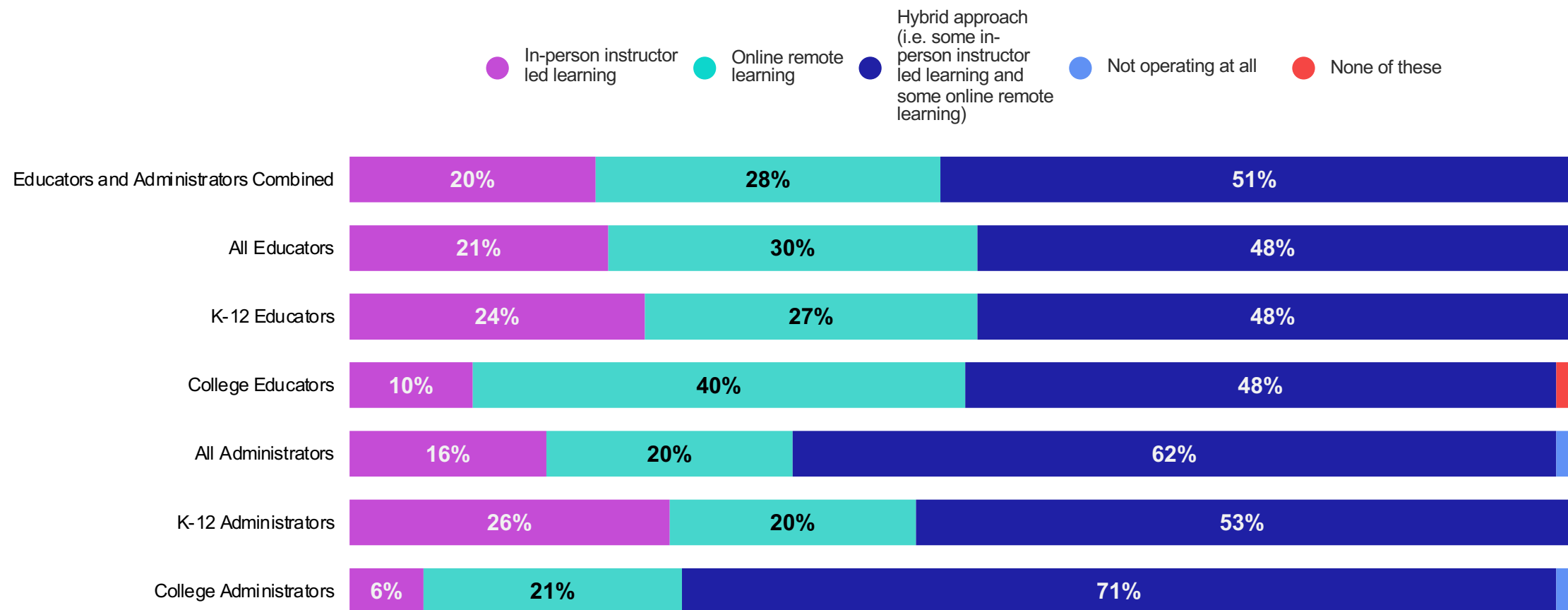
RESPONDING TO CYBER ATTACKS



GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

79% of educators and administrators are doing at least some online learning, with those in K-12 a bit more likely to be doing some in-person instruction

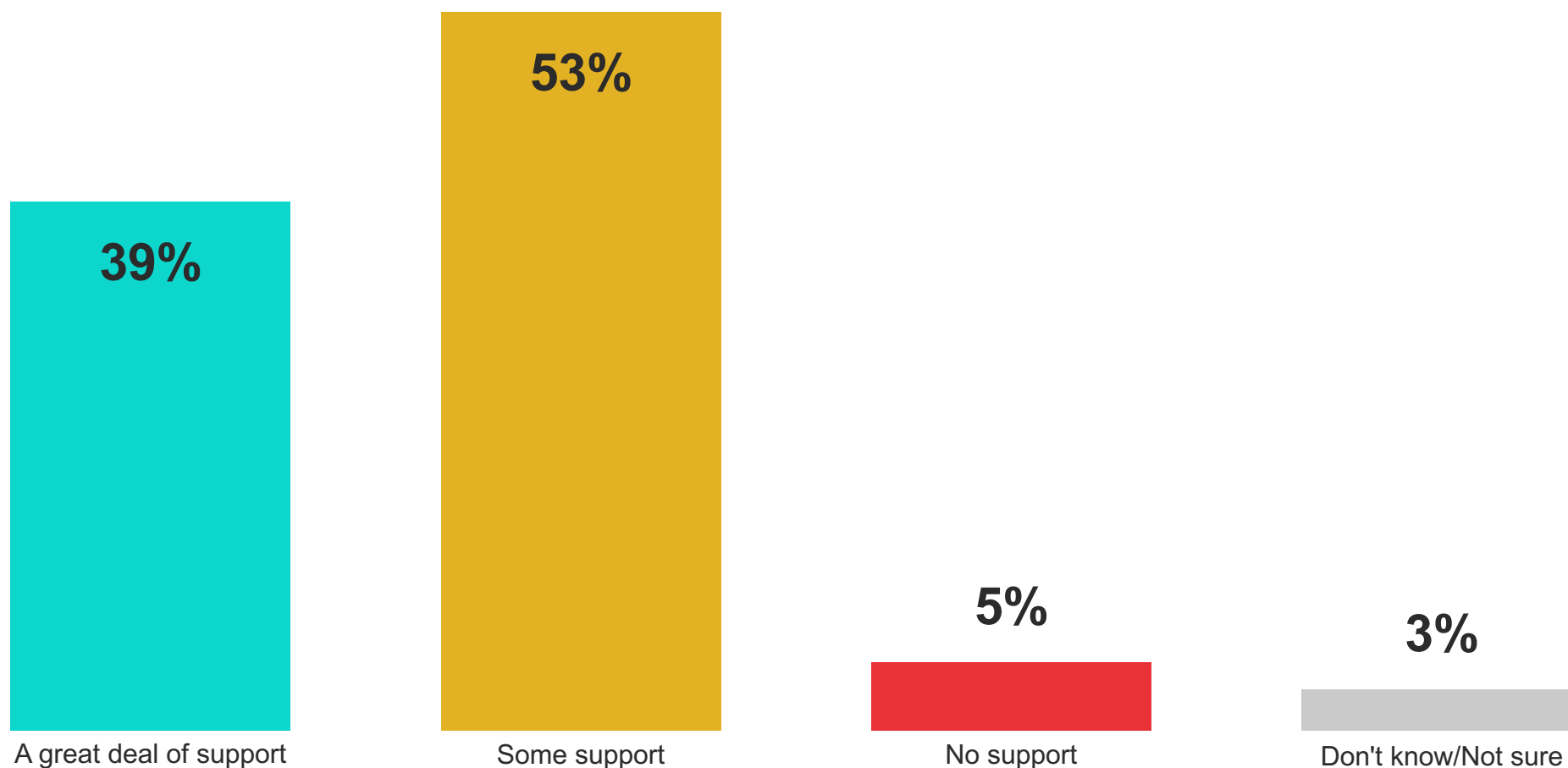
How is your educational institution currently operating?



GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

58% of educators say they're either not getting a great deal of IT support or none at all via their educational institution

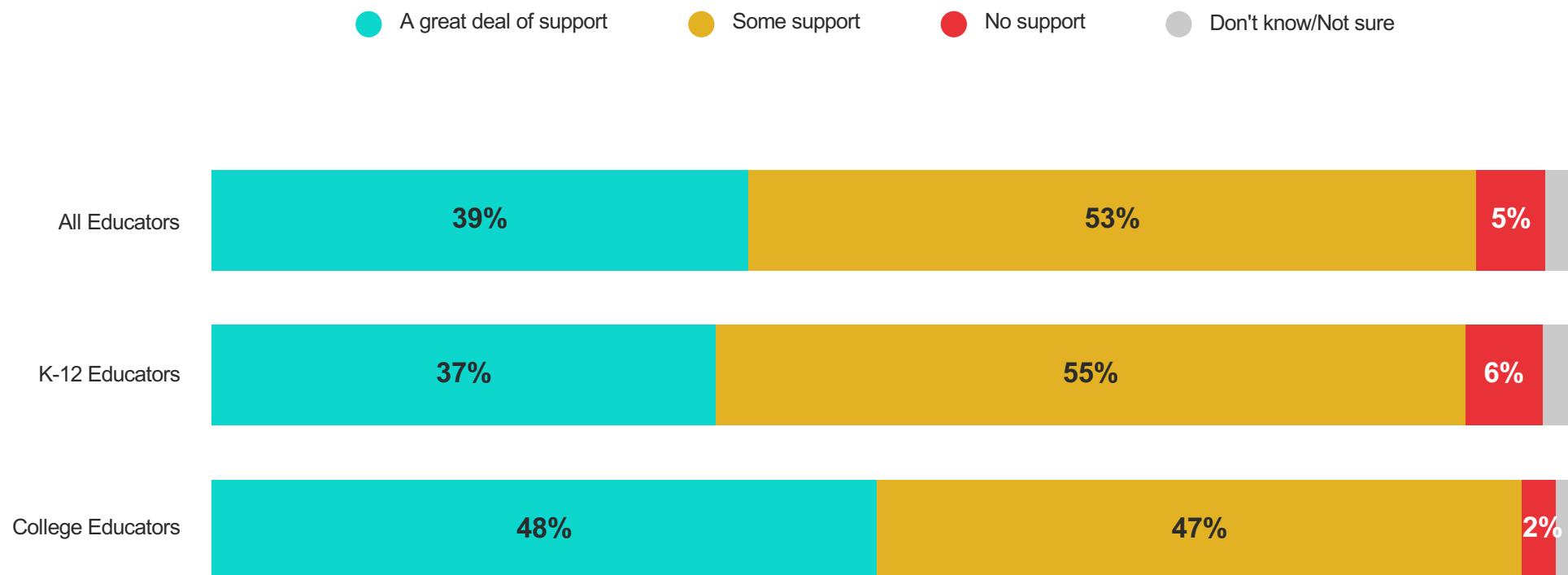
How much IT support is made available to you via your educational institution? **[Among Educators]**



GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

61% of K-12 educators say they're not getting a great deal of IT support or none at all via their educational institution

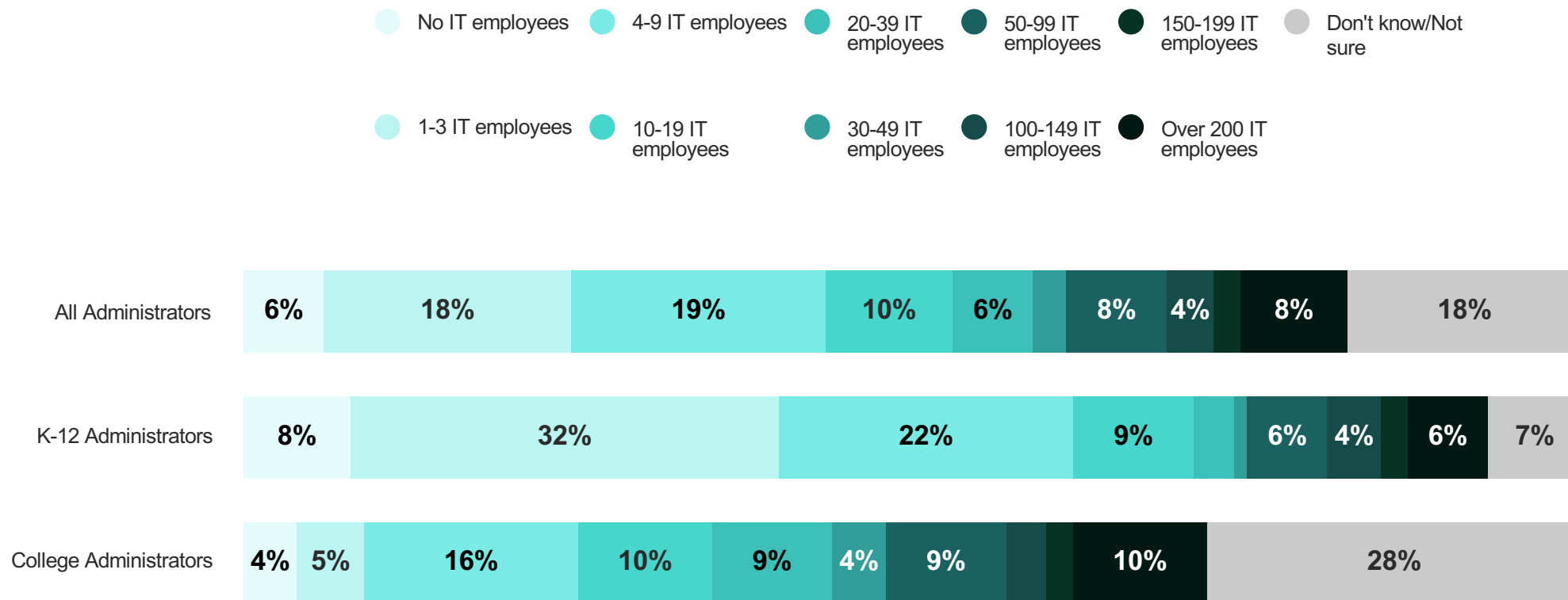
How much IT support is made available to you via your educational institution? **[Among Educators]**



GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

About a third (32%) of K-12 administrators say their educational institution employs only 1-3 IT employees, while college administrators are more likely to say their educational institution employs more than 3 IT employees

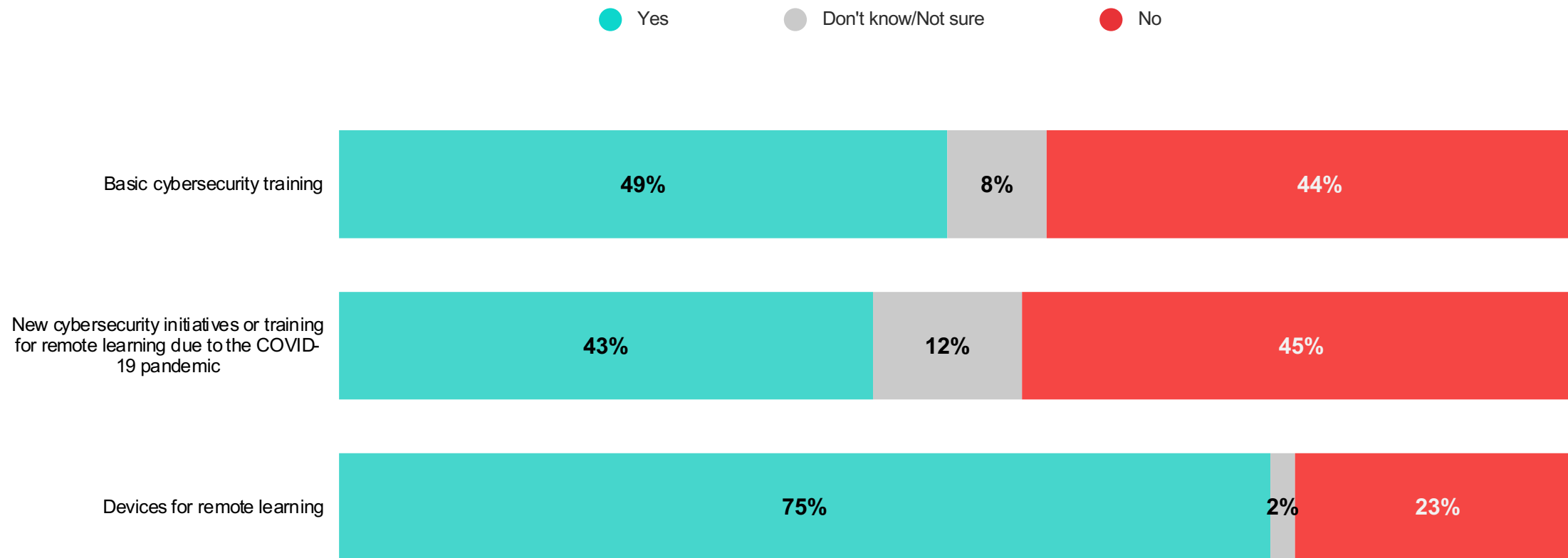
How many IT employees does your educational institution employ? **[Among Administrators]**



GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

Over half of educators and administrators don't know or haven't received basic cybersecurity training (52%) or new cybersecurity initiatives or training for remote learning (57%), and a quarter of educators and administrators don't know or haven't been provided with devices for remote learning

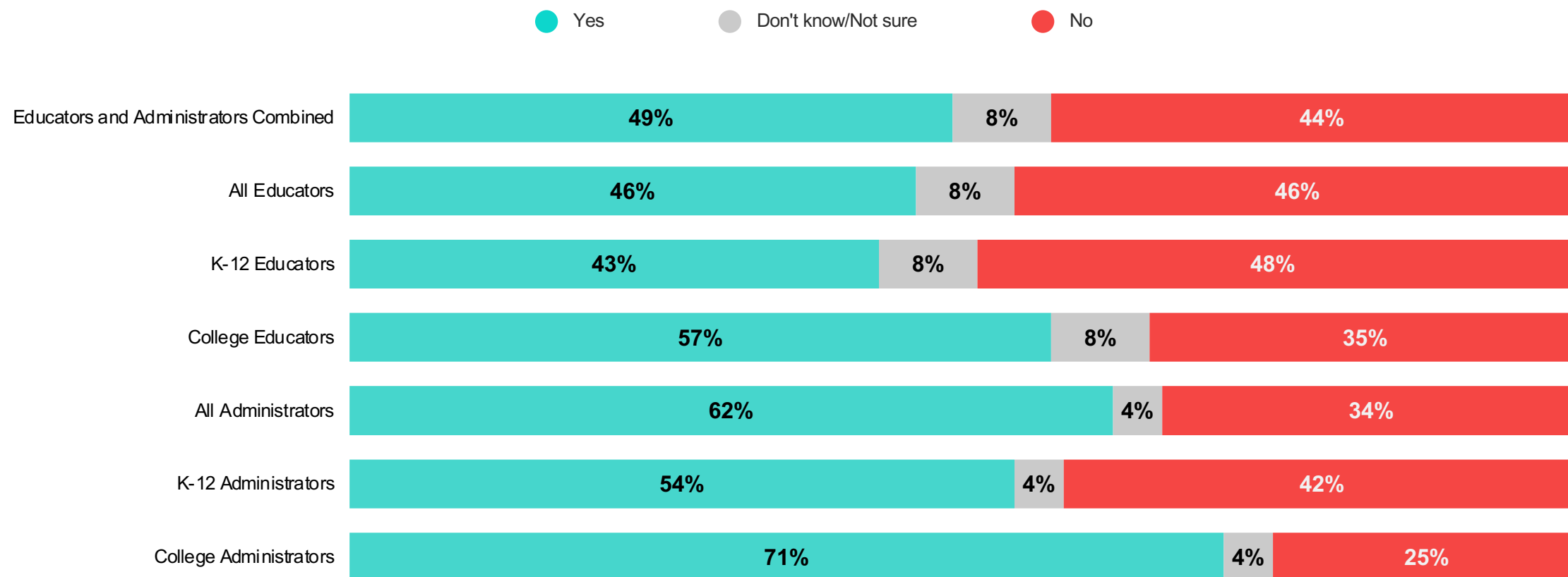
Has your educational institution provided you with any of the following?



GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

Over half (54%) of educators, largely driven by K-12 educators, don't know or haven't received basic cybersecurity training, while only nearly four in ten (38%) administrators don't know or haven't received basic cybersecurity training

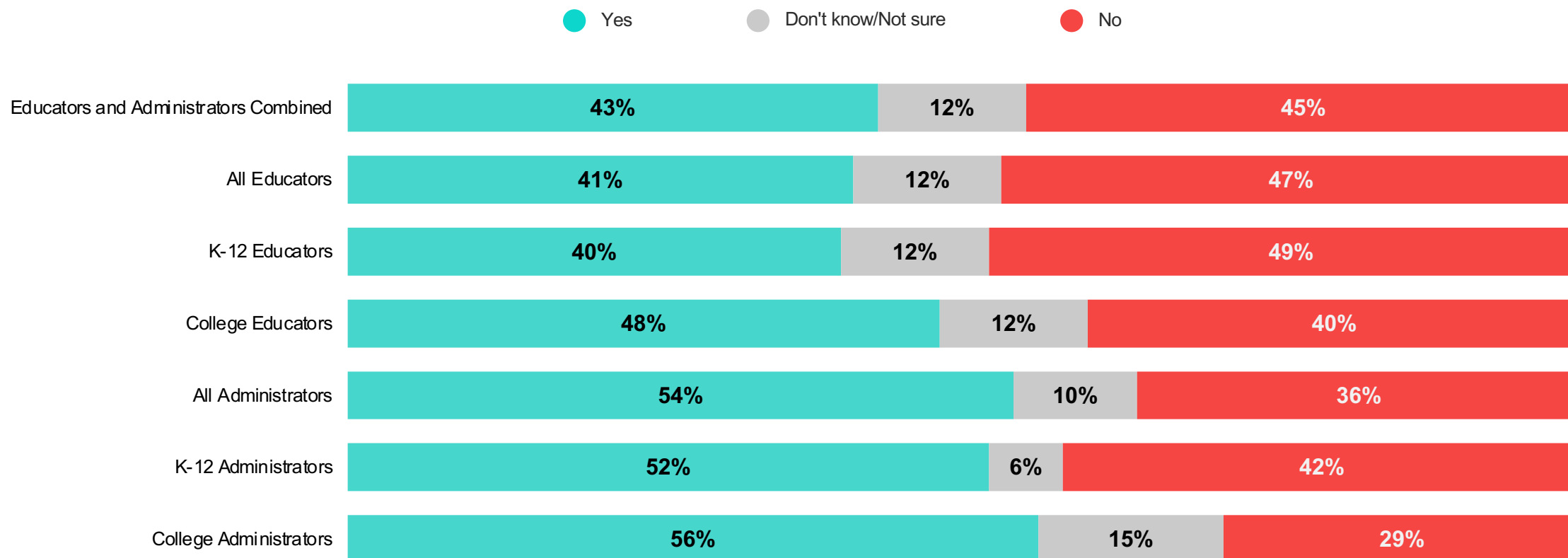
Has your educational institution provided you with any of the following? Basic cybersecurity training



GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

Nearly six in ten (59%) educators say they haven't been provided, or aren't sure if they have been provided, new cybersecurity initiatives or training for remote learning; those working in K-12 are less likely to have received training than those at the college level

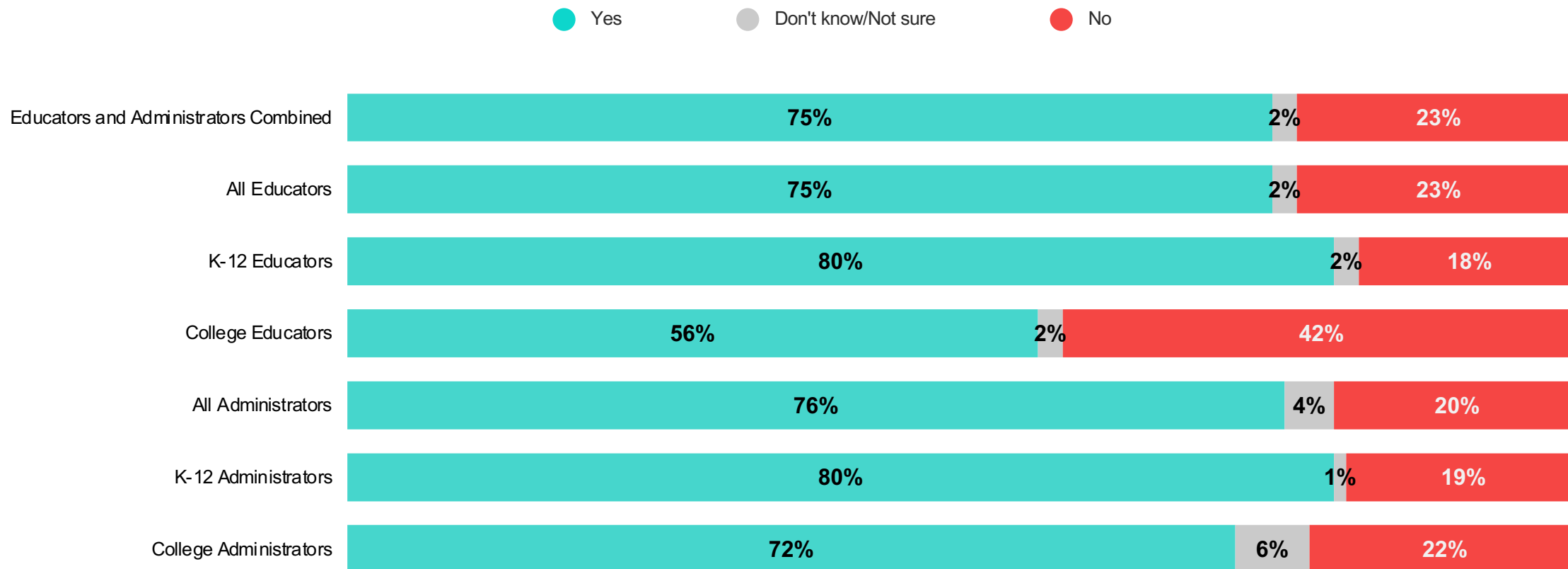
Has your educational institution provided you with any of the following? New cybersecurity initiatives or training for remote learning due to the COVID-19 pandemic



GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

A quarter of educators and administrators don't know or haven't been provided with devices for remote learning; this figure is over four in ten (44%) for college educators

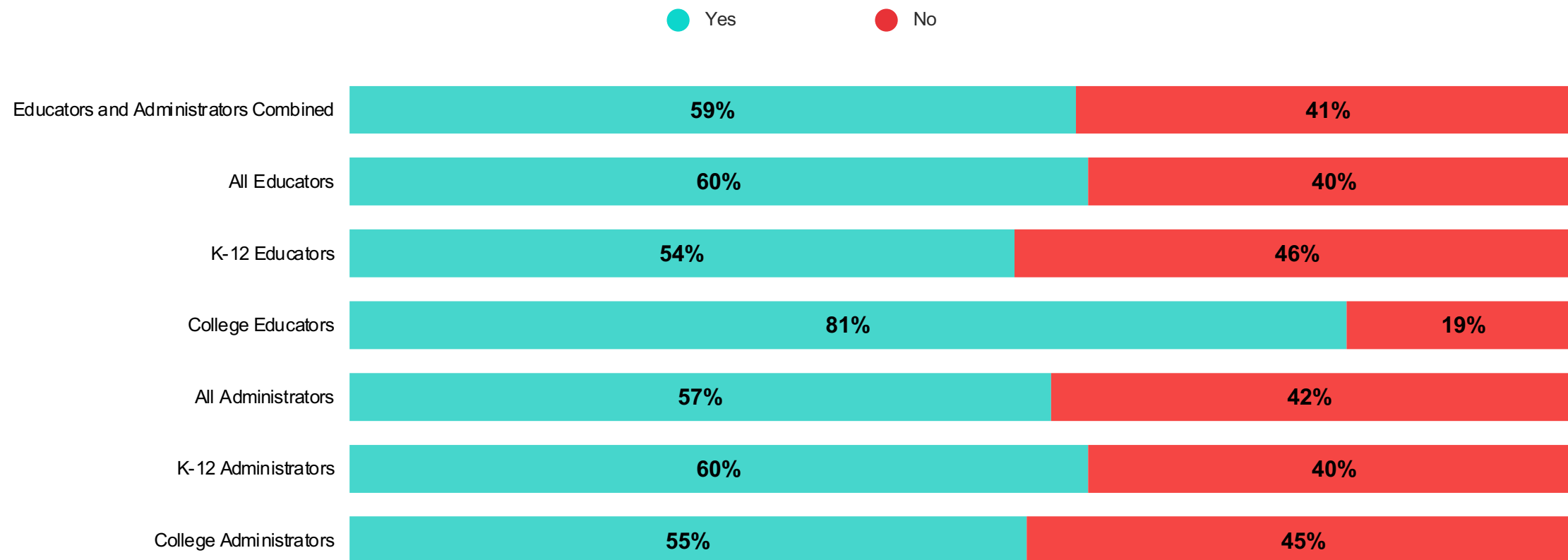
Has your educational institution provided you with any of the following? Devices for remote learning



GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

Nearly sixty percent (59%) of educators and administrators are using personal devices for remote learning; this figure is more than eighty percent (81%) for college educators.

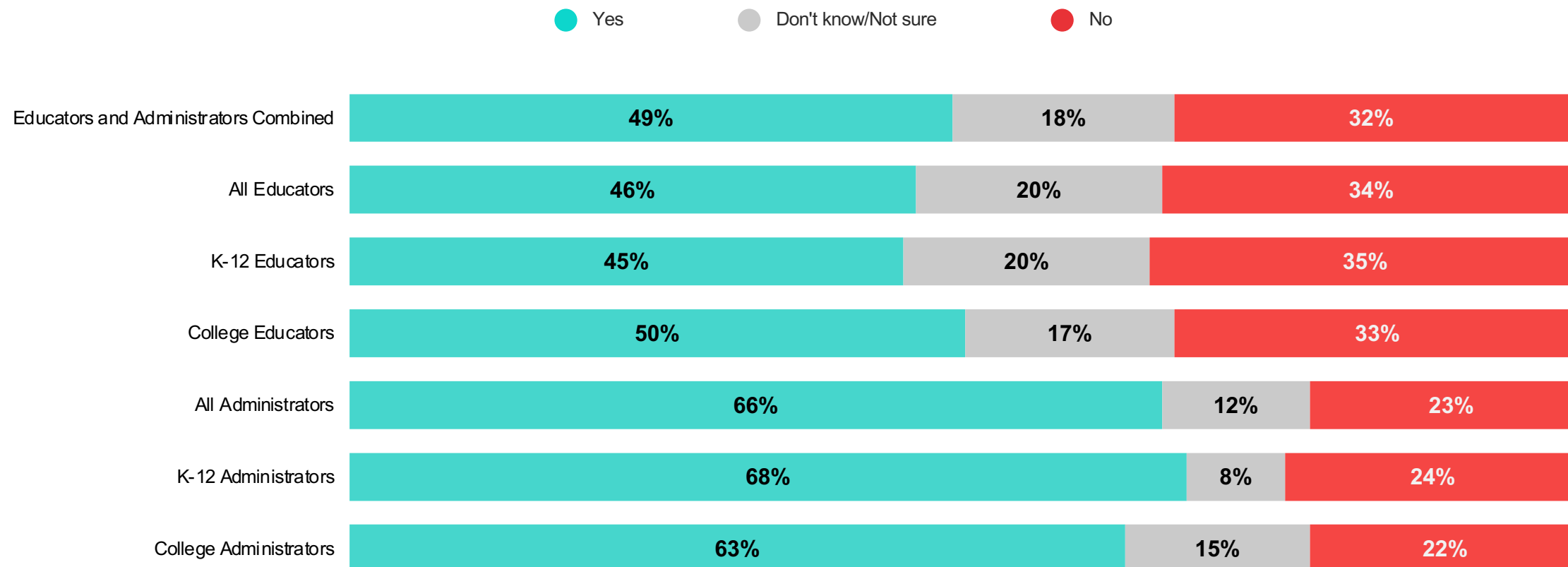
Are you using any personal devices for remote learning?



GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

Over a third (34%) of educators say their educational institution has not provided any guidelines or resources to protect devices being used for remote learning, while less than a quarter (23%) of administrators have not received any guidelines or resources to protect devices being used for remote learning

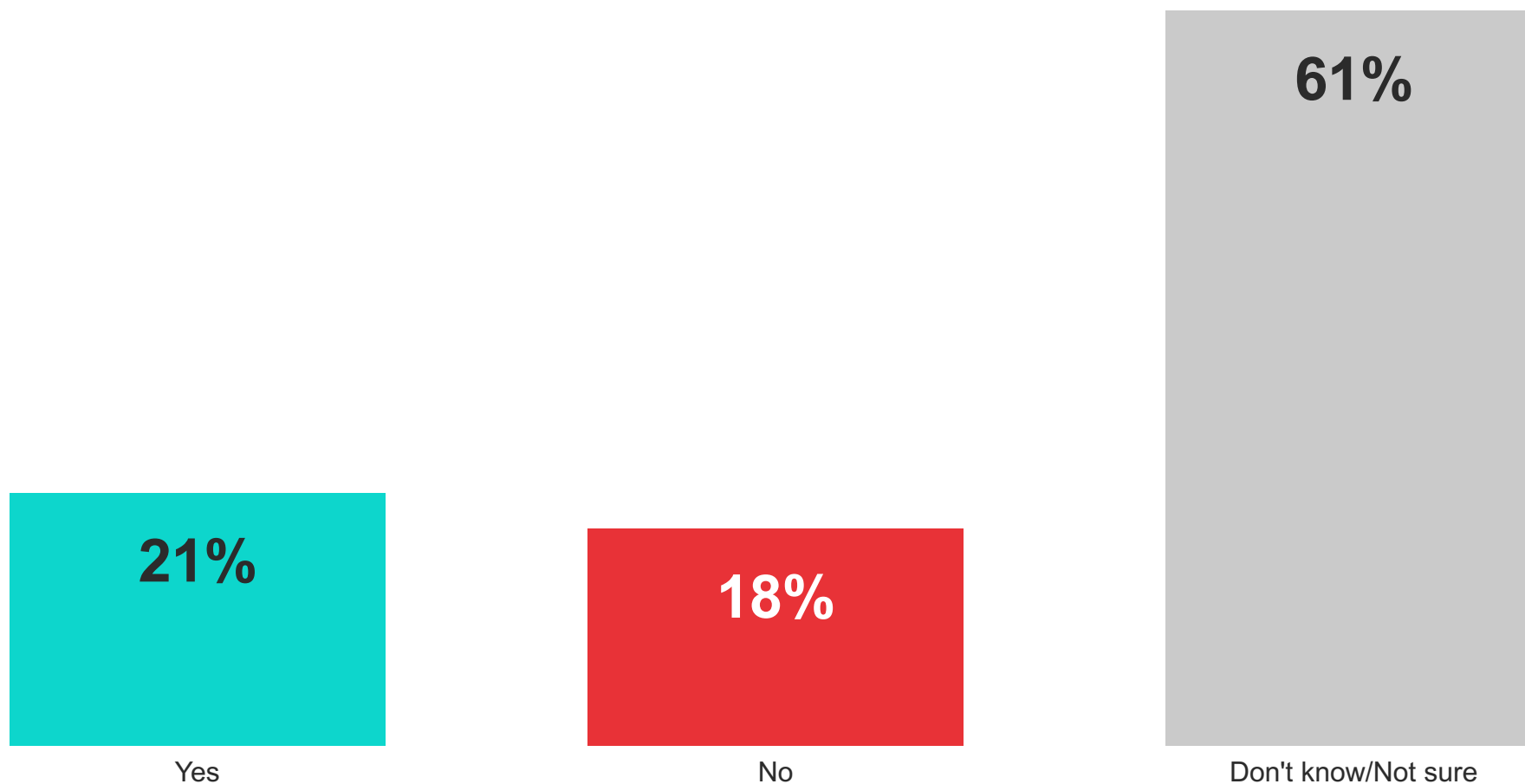
Has your educational institution provided any guidelines or resources to protect devices being used for remote learning?



GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

Nearly four in five (79%) administrators don't know or do not have a cyber insurance policy

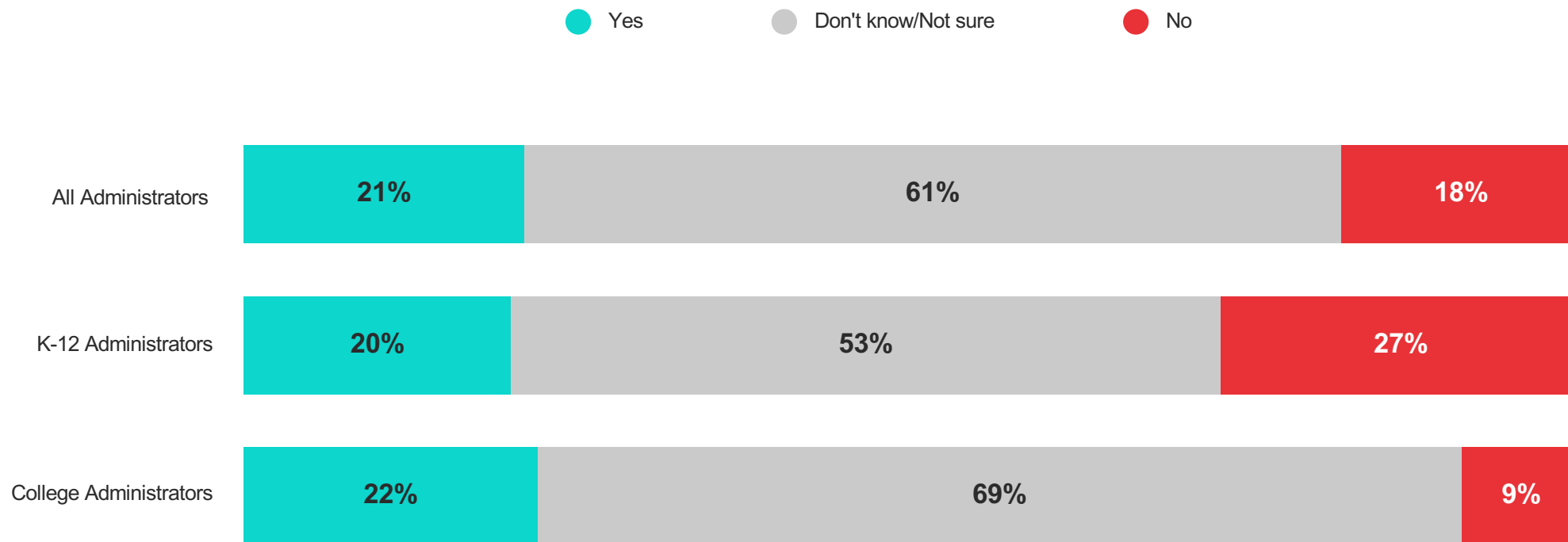
Does your educational institution have a cyber insurance policy? **[Among Administrators]**



GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

A majority of K-12 administrators (53%) and college administrators (69%) are not sure if their educational institution has a cyber insurance policy; over a quarter (27%) of K-12 administrators say their school does not have a cyber insurance policy

Does your educational institution have a cyber insurance policy? **[Among Administrators]**



AGENDA

GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

CONCERN ABOUT CYBER ATTACKS

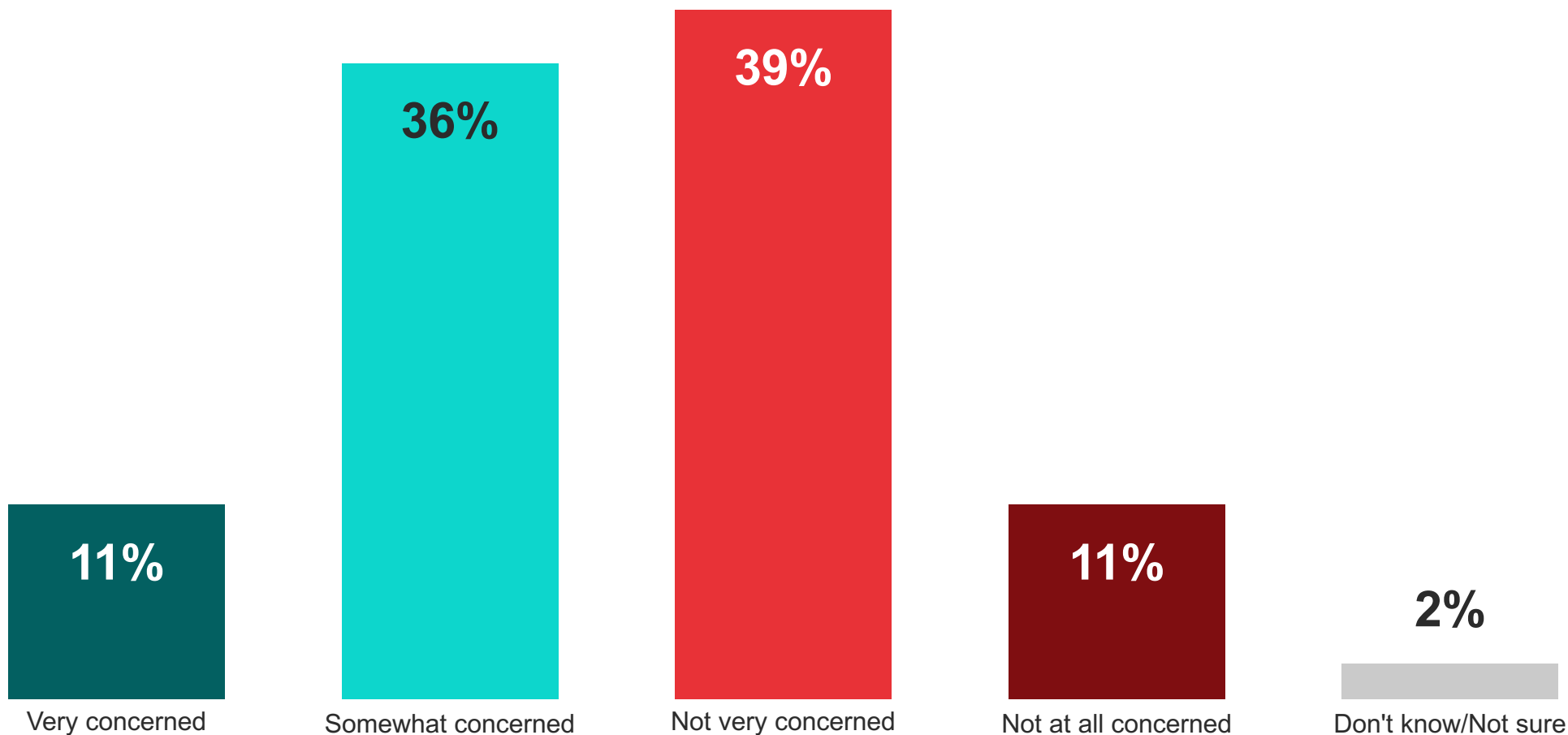
RESPONDING TO CYBER ATTACKS



CONCERN ABOUT CYBER ATTACKS

Half of educators and administrators are not concerned about their educational institution becoming the target of a cyber-attack in the future

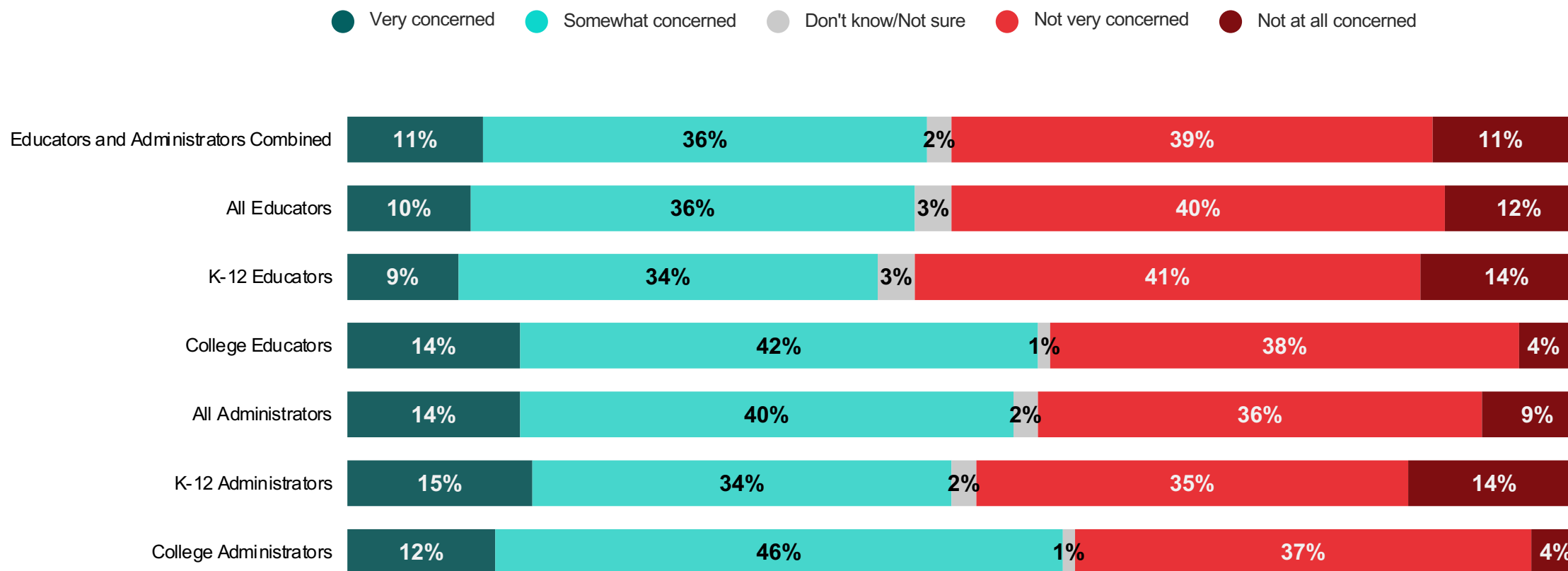
How concerned are you about your educational institution becoming the target of a cyber-attack in the future?



CONCERN ABOUT CYBER ATTACKS

Over half (52%) of educators, driven largely by K-12 educators, are not concerned about their educational institution becoming the target of a cyber-attack in the future, while 45% of administrators are not concerned

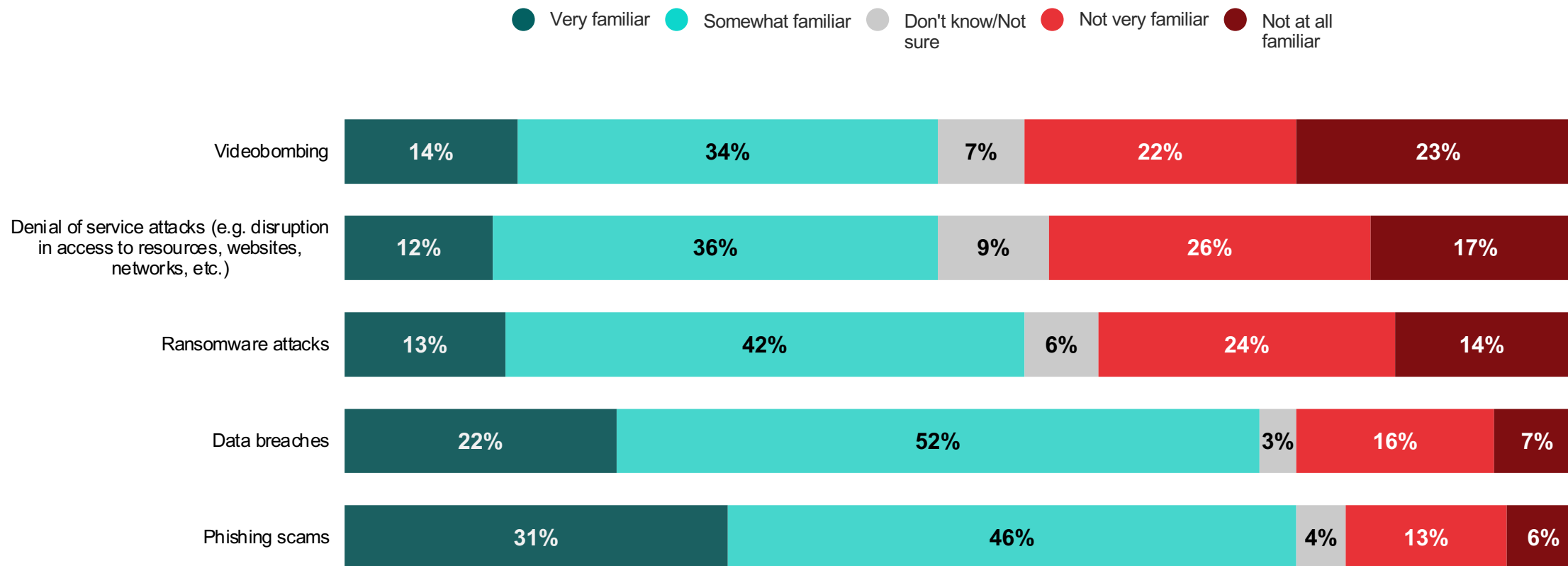
How concerned are you about your educational institution becoming the target of a cyber-attack in the future?



CONCERN ABOUT CYBER ATTACKS

Over four in ten educators and administrators are not familiar with videobombing (45%) and denial of service attacks (43%) and nearly four in ten (38%) are not familiar with ransomware attacks

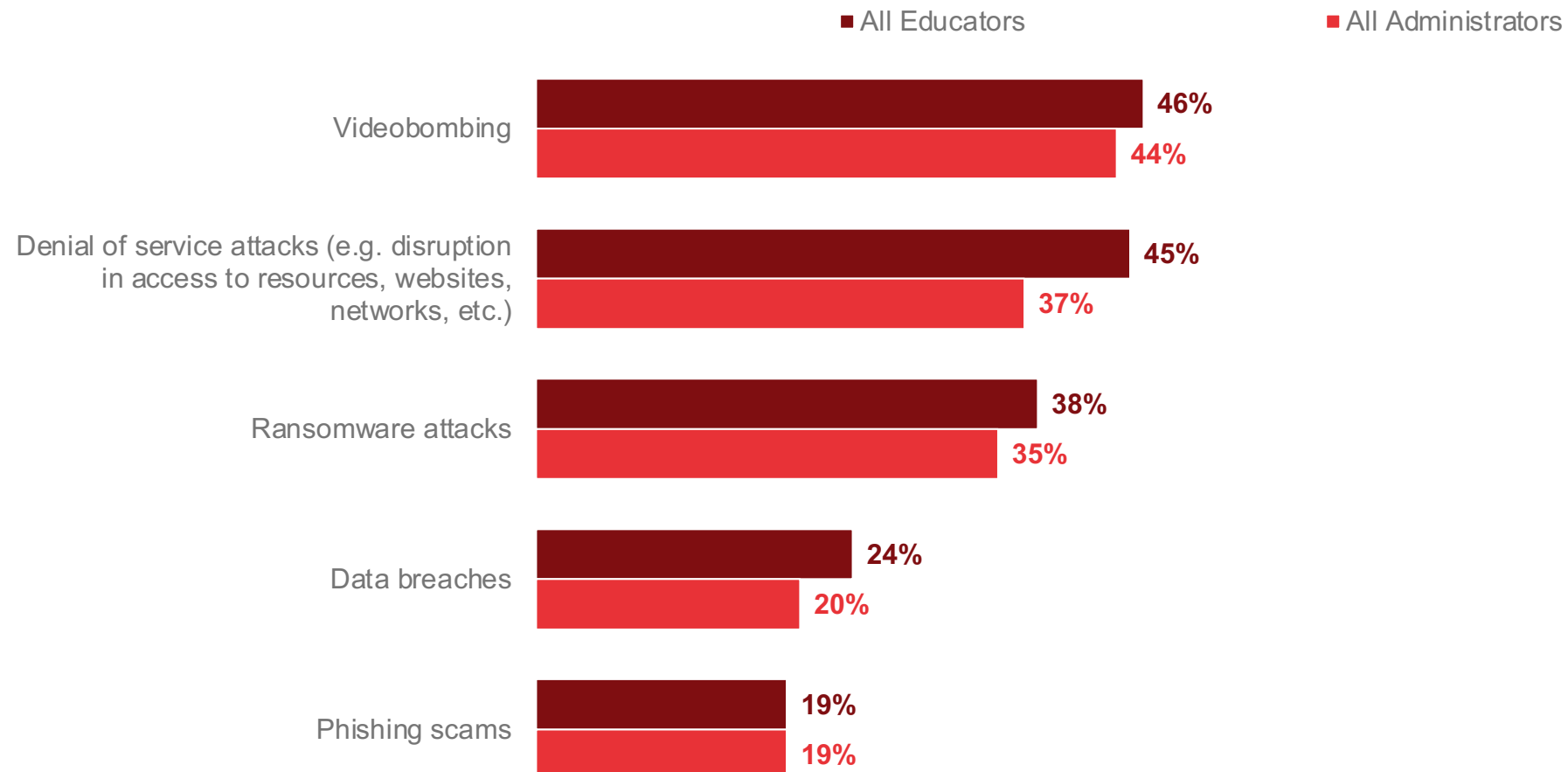
How familiar are you with the following?



CONCERN ABOUT CYBER ATTACKS

Educators are more likely than administrators to be unfamiliar with the different types of attacks, but nearly half of educators (46%) and administrators (44%) are not familiar with videobombing

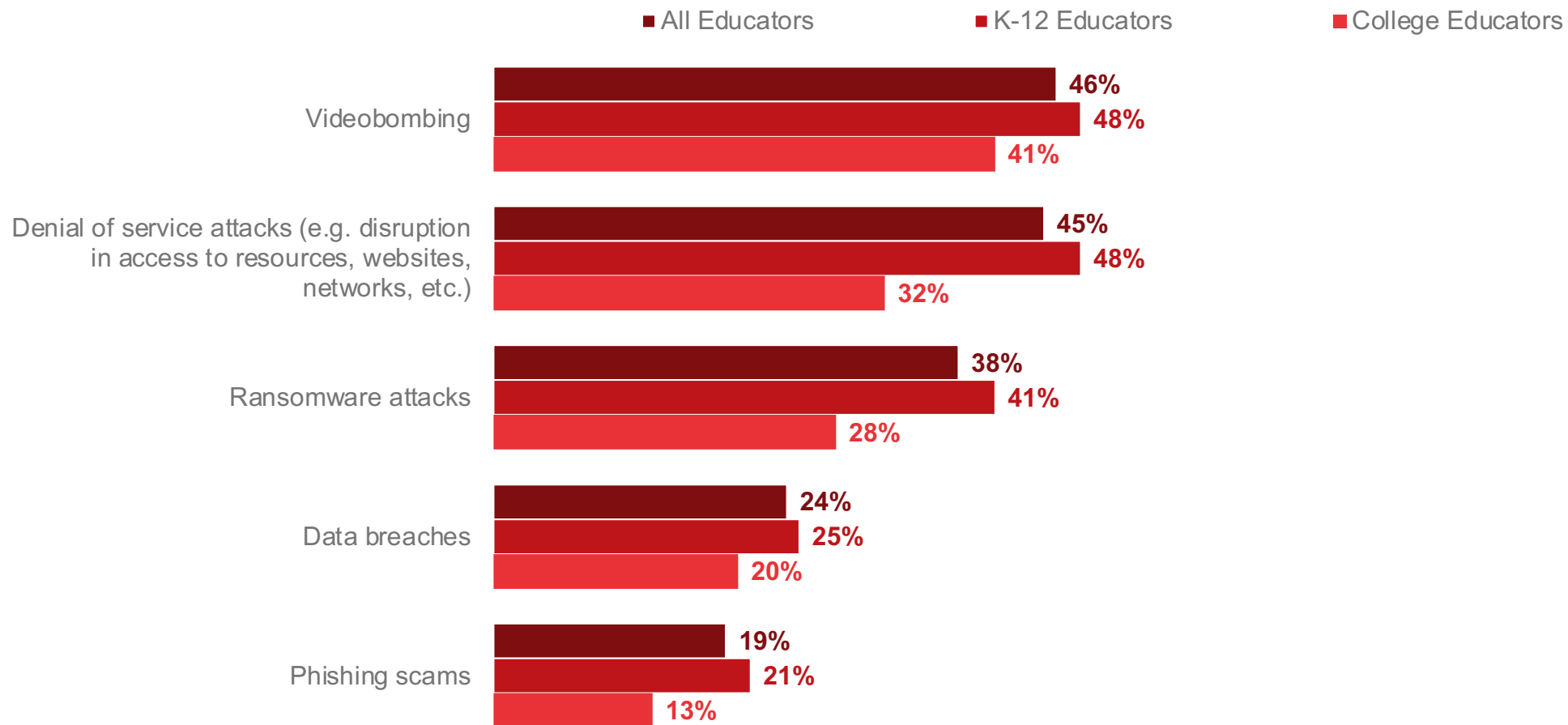
How familiar are you with the following? *[Showing % saying not very familiar + not at all familiar]*



CONCERN ABOUT CYBER ATTACKS

Across all types of attacks, K-12 educators are more likely to be unfamiliar with each attack, but over four in ten K-12 educators (48%) and college educators (41%) are not familiar with videobombing

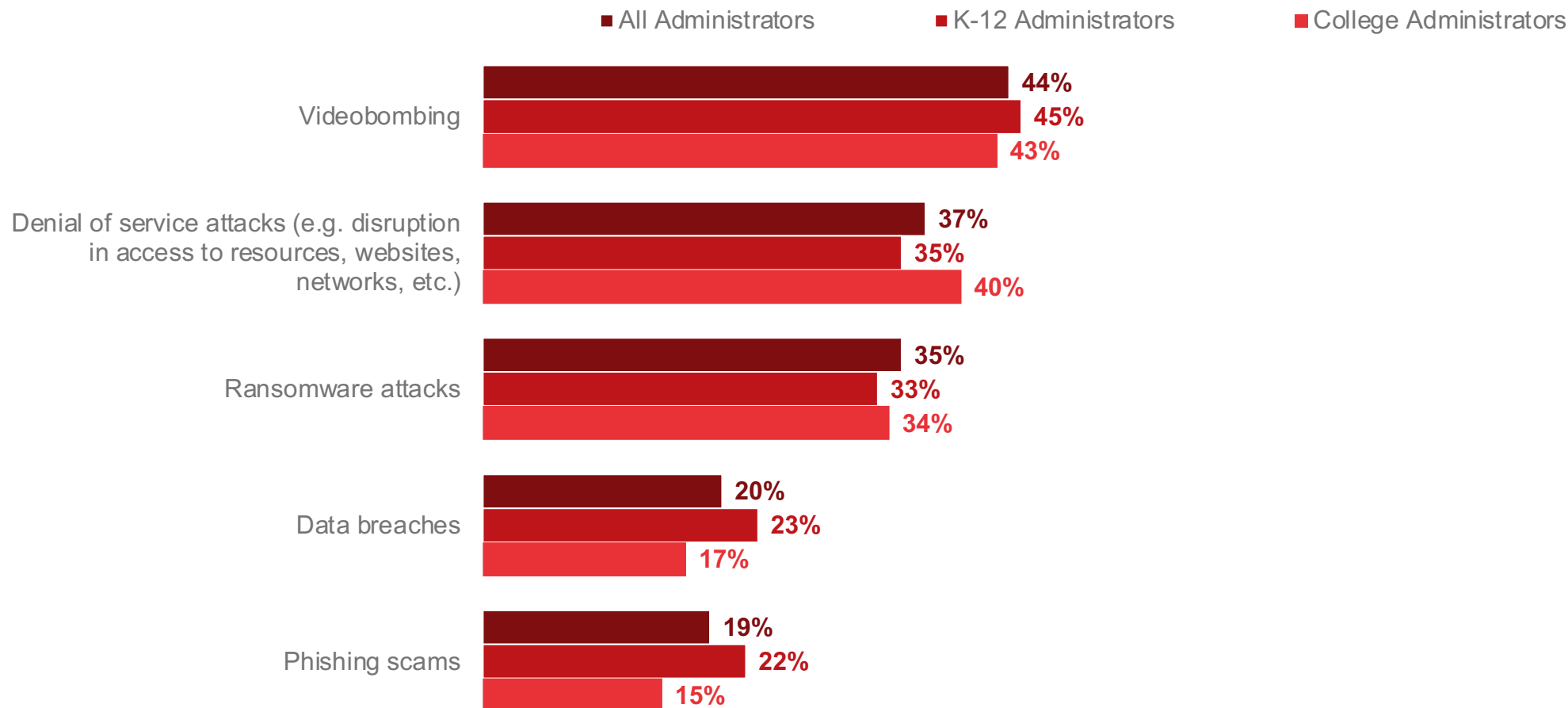
How familiar are you with the following? *[Showing % saying not very familiar + not at all familiar]*



CONCERN ABOUT CYBER ATTACKS

College administrators are slightly more unfamiliar with denial of service attacks (+5) and ransomware attacks (+1), but K-12 administrators are less familiar with videobombing (+2), data breaches (+6), and phishing scams (+7)

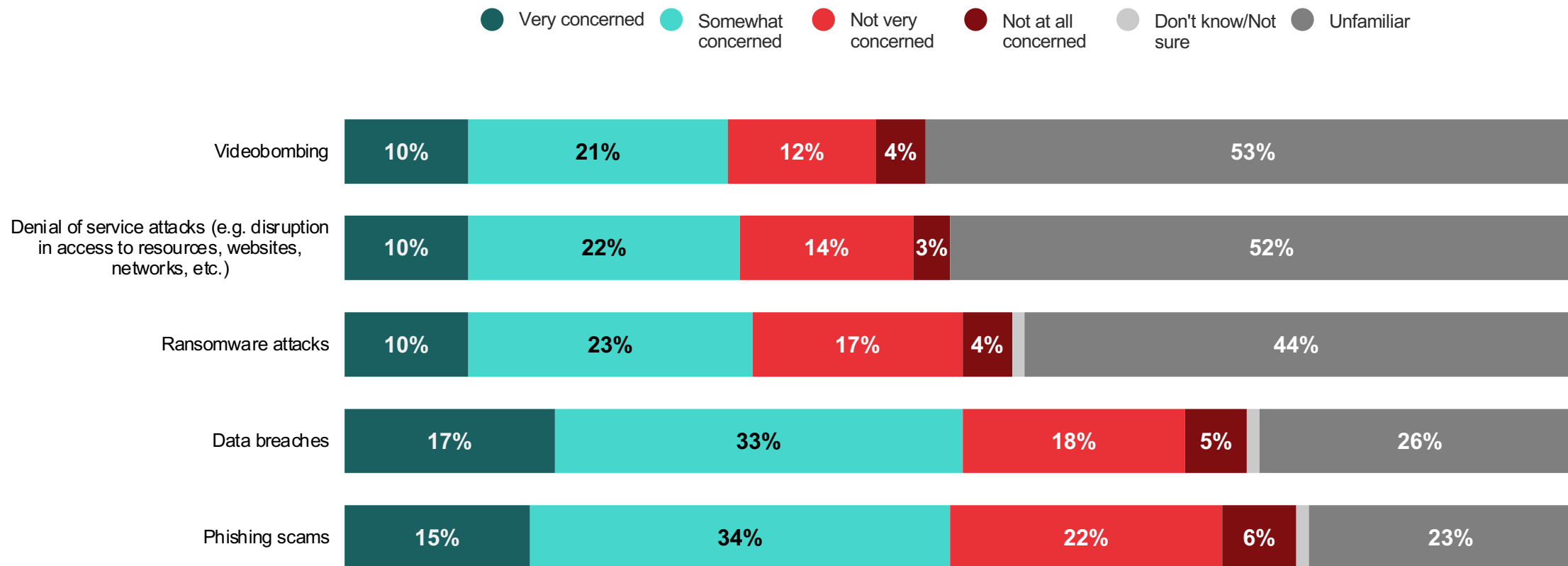
How familiar are you with the following? *[Showing % saying very familiar + somewhat familiar]*



CONCERN ABOUT CYBER ATTACKS

About a third of educators and administrator are concerned about videobombing (31%), denial of service attacks (32%), and ransomware attacks (33%) impacting their educational institution

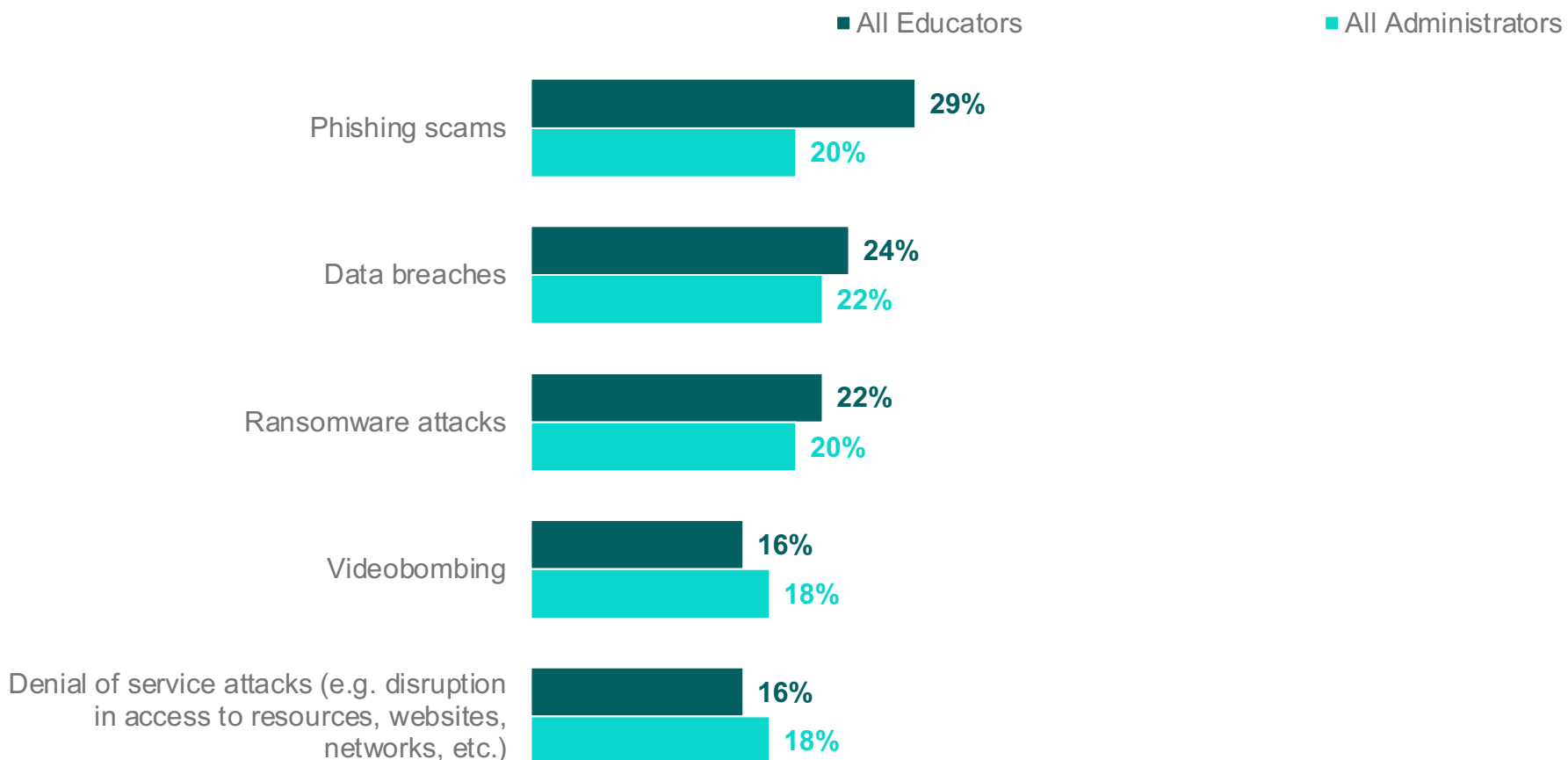
How concerned are you about each of the following impacting your educational institution?



CONCERN ABOUT CYBER ATTACKS

Across all types of cyber attacks, administrators are more concerned than educators about each attack; over half of administrators are concerned about data breaches (56%) and phishing scams (59%), while less than half of educators are concerned about each kind of cyber attack

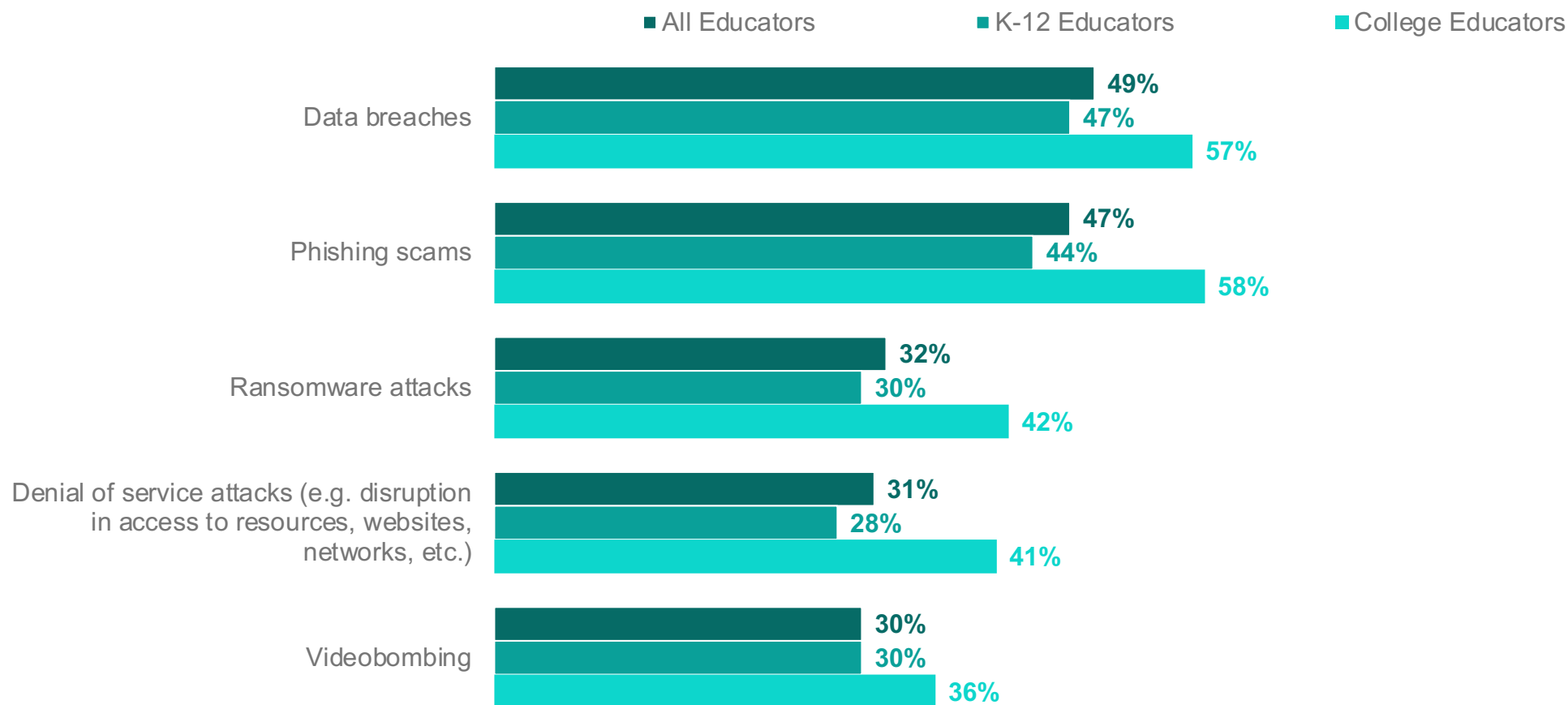
How concerned are you about each of the following impacting your educational institution? *[Showing % saying very concerned + somewhat concerned]*



CONCERN ABOUT CYBER ATTACKS

Across all types of cyber attacks, college educators are more concerned than K-12 educators, with over half of college educators saying they are concerned about data breaches (57%) and phishing scams (58%), while less than half of K-12 educators are concerned about each kind of attack

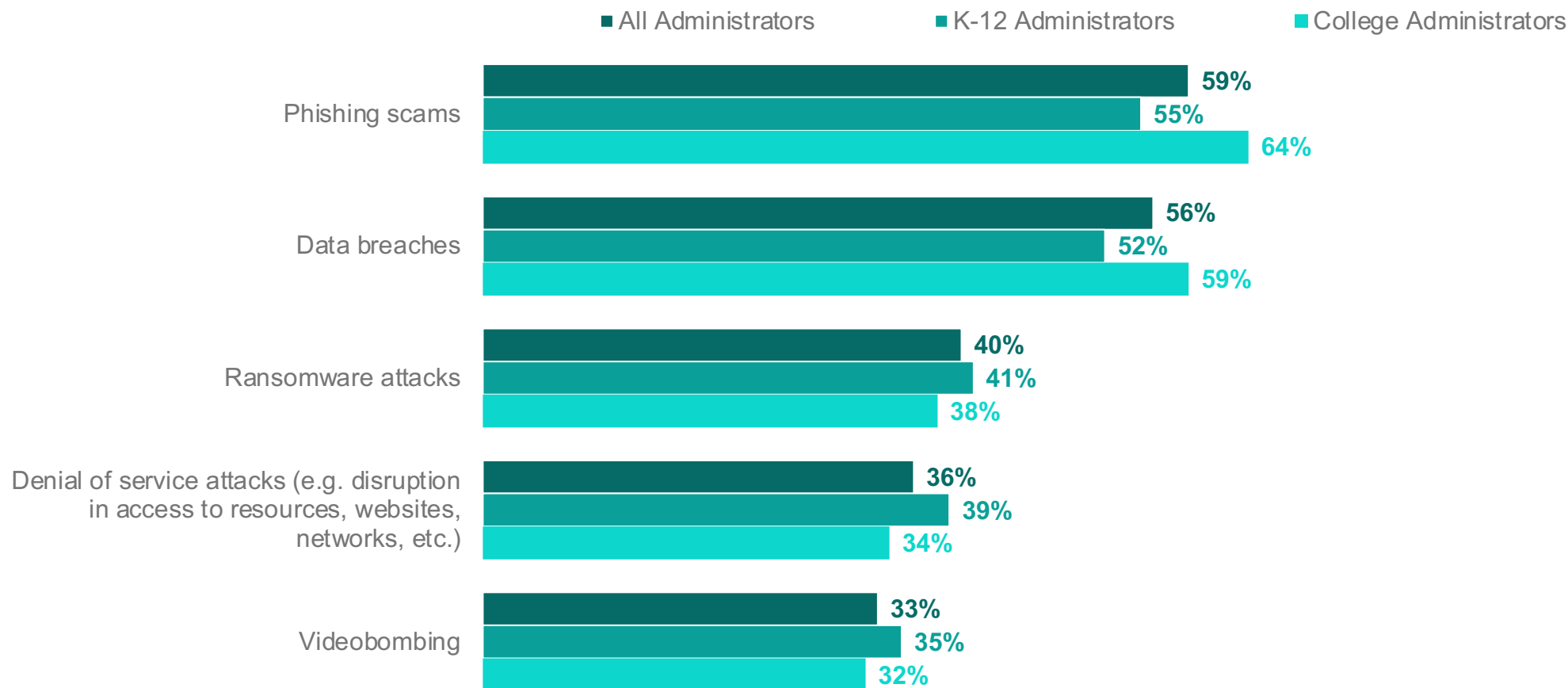
How concerned are you about each of the following impacting your educational institution? [*Showing % saying very concerned + somewhat concerned*]



CONCERN ABOUT CYBER ATTACKS

College administrators are slightly more concerned about phishing scams (+9) and data breaches (+7), but K-12 administrators are slightly more concerned about ransomware attacks (+3), denial of service attacks (+5), and videobombing (+3)

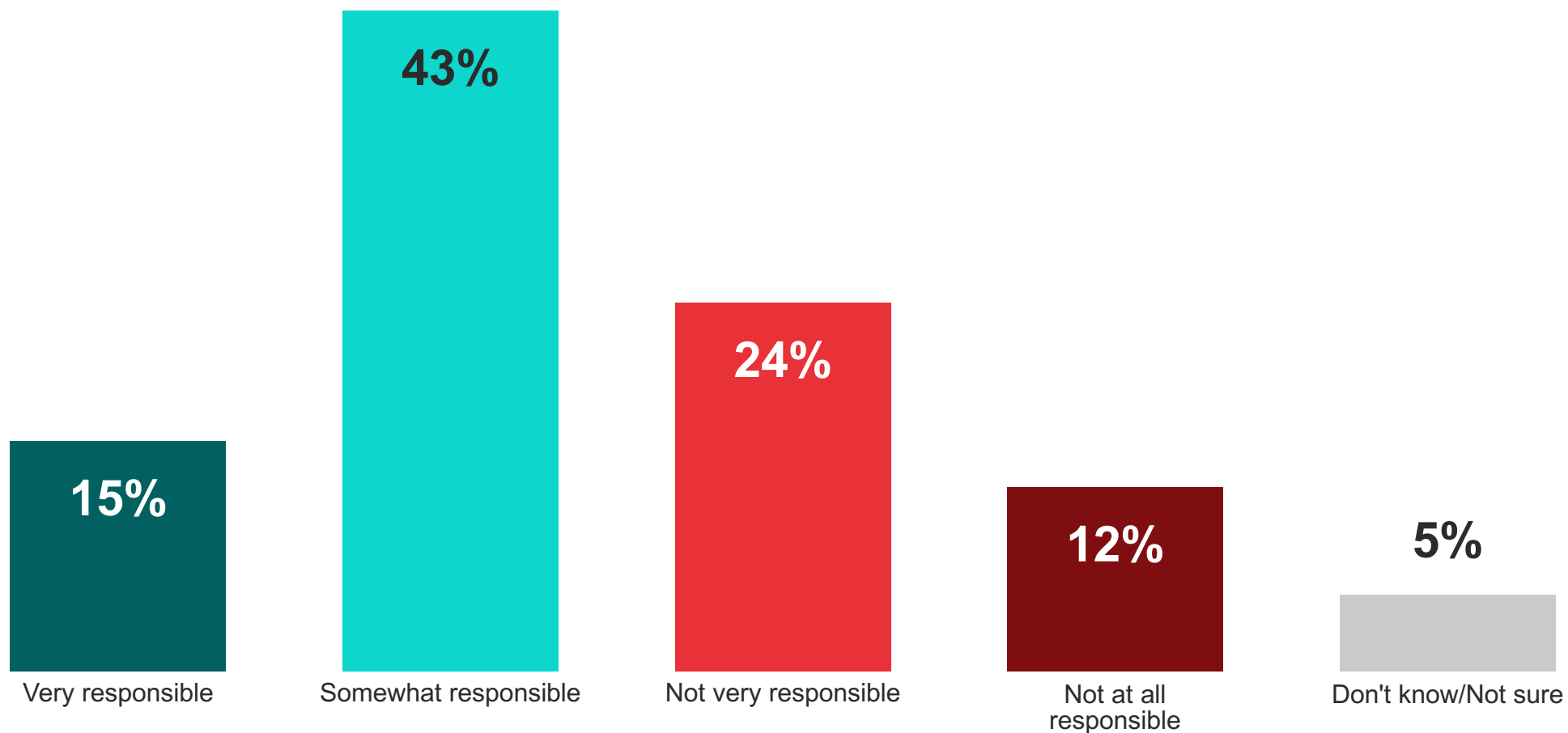
How concerned are you about each of the following impacting your educational institution? [*Showing % saying very concerned + somewhat concerned*]



CONCERN ABOUT CYBER ATTACKS

Nearly sixty percent (58%) of educators and administrators feel responsible to prevent cyber-attacks against their educational institution

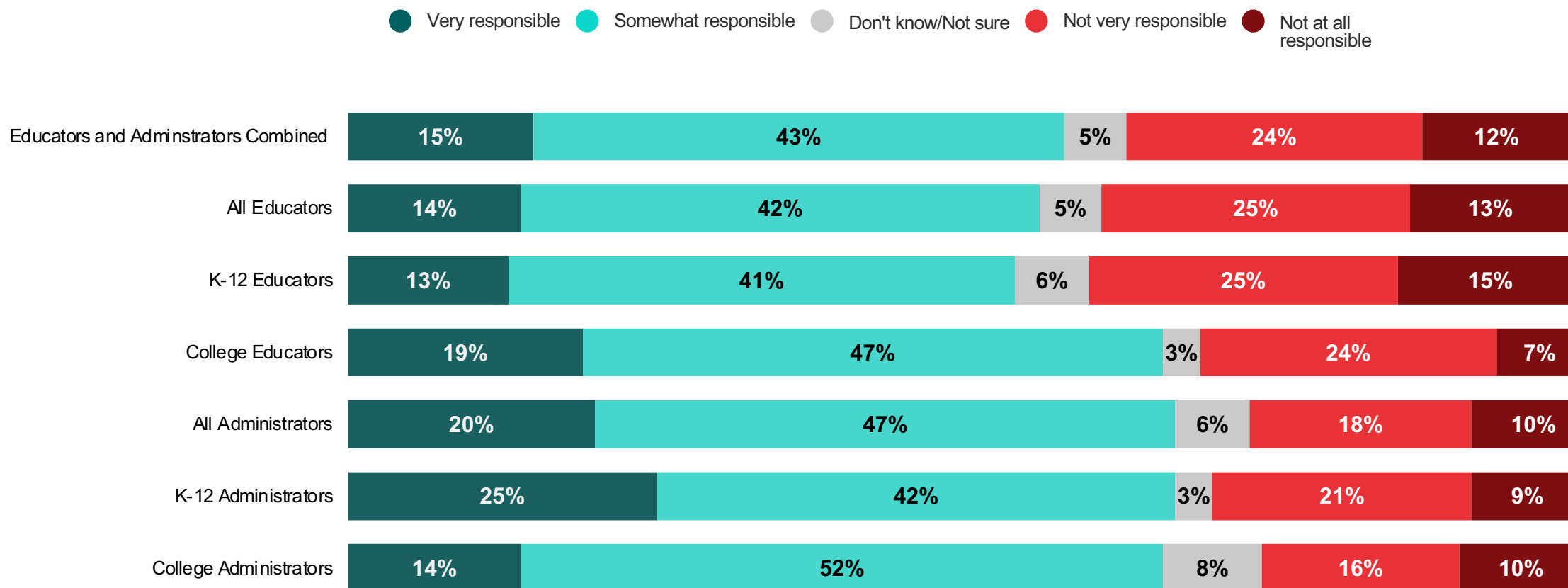
How responsible do you feel to prevent cyber-attacks against your educational institution?



CONCERN ABOUT CYBER ATTACKS

Administrators in general as well as K-12 and college administrators feel more responsible to prevent cyber-attacks their educational institution; college educators feel more responsible than educators overall and K-12 educators to prevent cyber-attacks

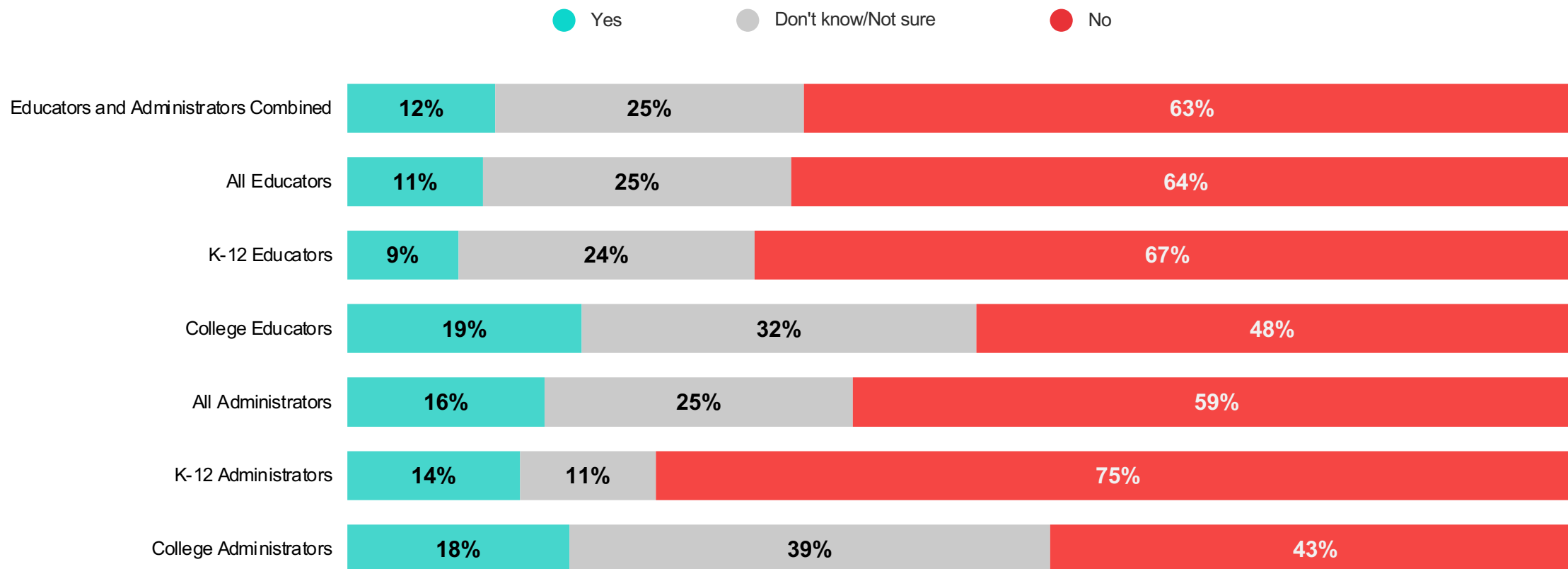
How responsible do you feel to prevent cyber-attacks against your educational institution?



CONCERN ABOUT CYBER ATTACKS

Administrators are more likely than educators to say their educational institution has been the target of a cyber-attack; nearly twenty percent of college educators (19%) and college administrators (18%) say their educational institution has been the target of a cyber-attack

Has your educational institution been the target of a cyber-attack?

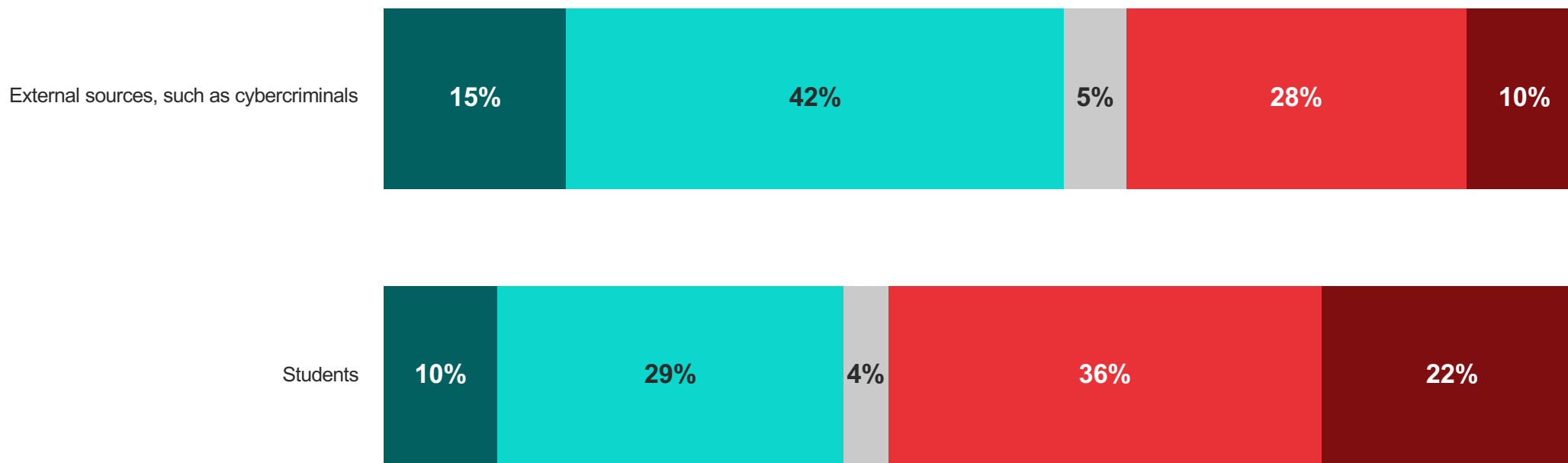


CONCERN ABOUT CYBER ATTACKS

Nearly forty percent (39%) of educators and administrators are concerned about students causing a cyber-attack at their educational institution

How concerned are you about the following groups causing a causing a cyber-attack at your educational institution?

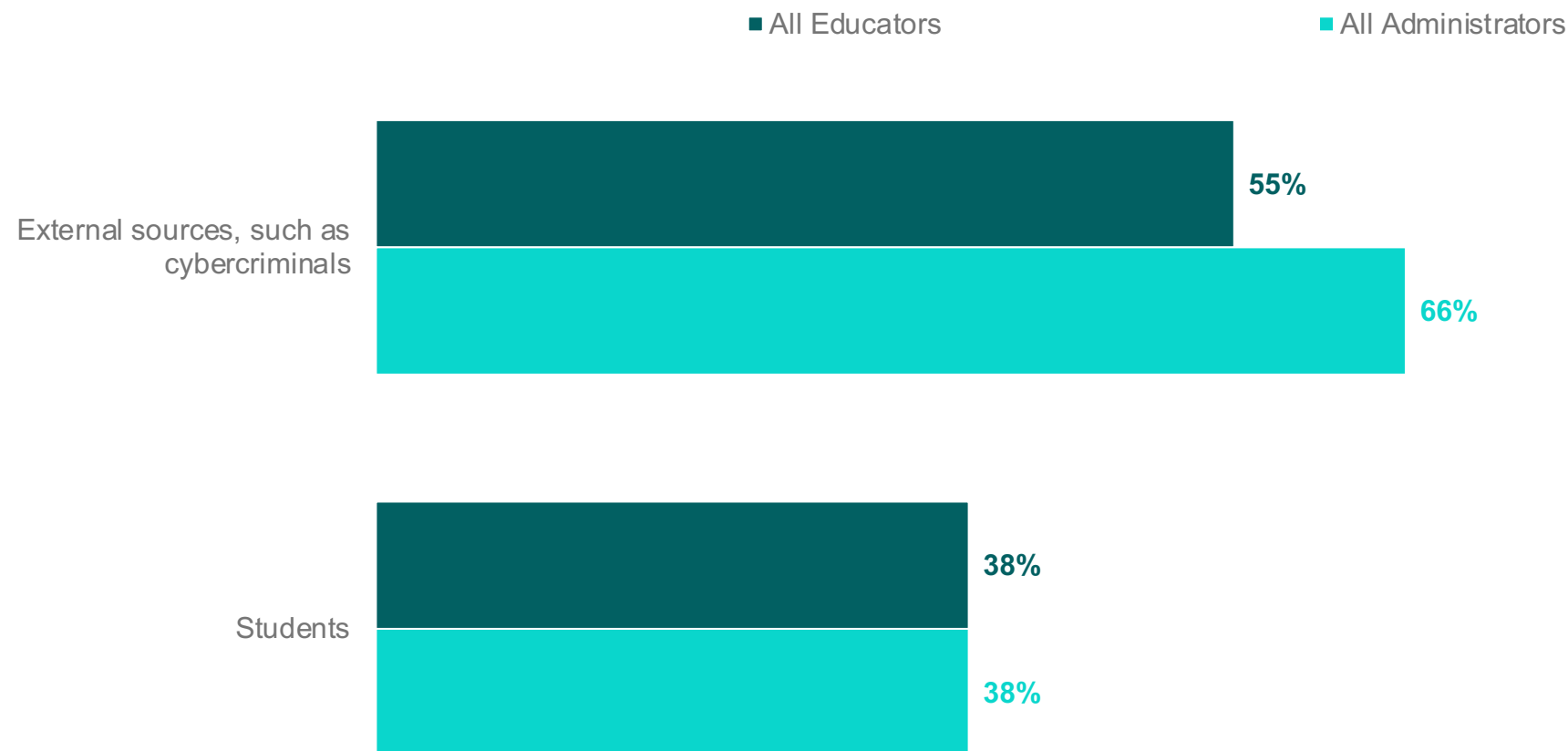
● Very concerned
 ● Somewhat concerned
 ● Don't know/Not sure
 ● Not very concerned
 ● Not at all concerned



CONCERN ABOUT CYBER ATTACKS

Administrators are more concerned than educators about external sources causing a cyber-attack at their educational institution (+11), but about four in ten (38%) educators and administrators are concerned about students causing a cyber-attack

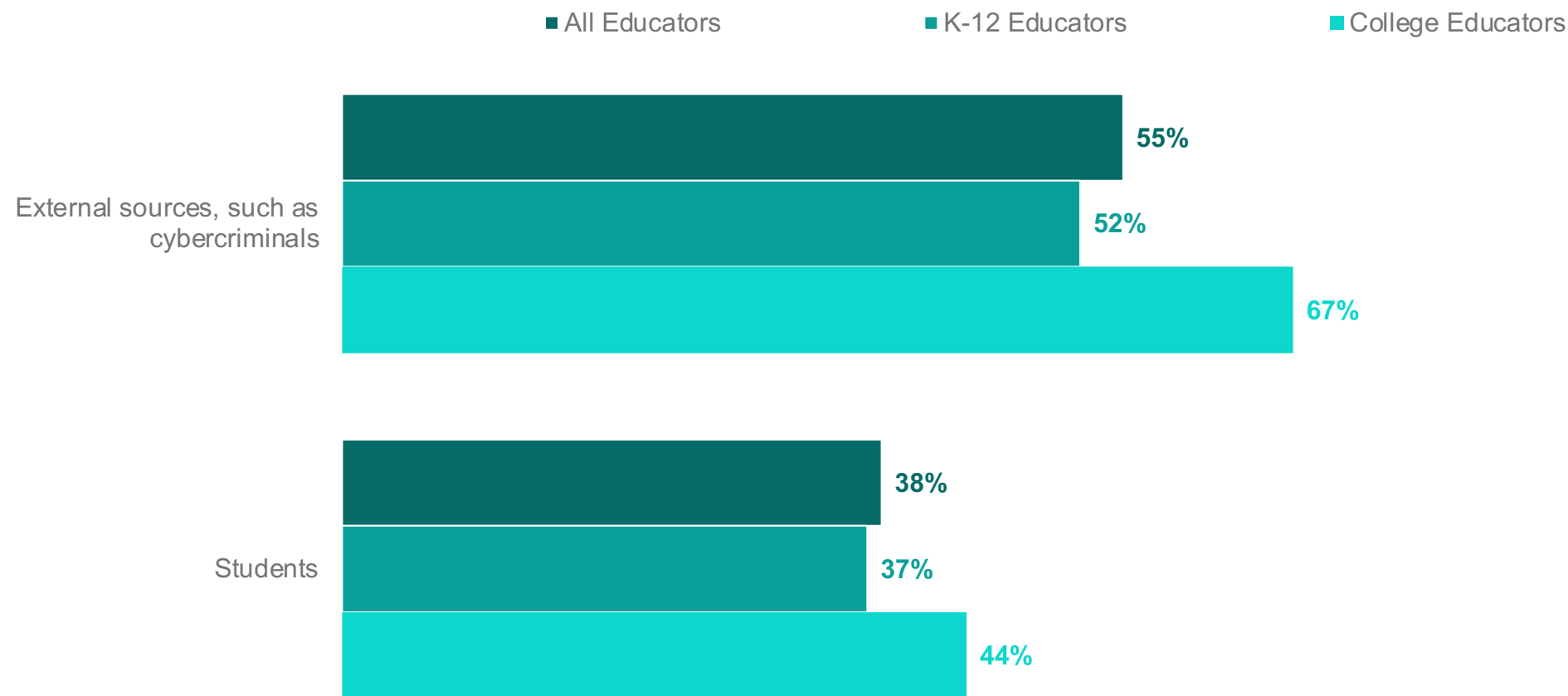
How concerned are you about the following groups causing a causing a cyber-attack at your educational institution? **[Showing % saying very concerned + somewhat concerned]**



CONCERN ABOUT CYBER ATTACKS

College educators are more concerned than K-12 educators about external sources (+15) and students (+7) causing a cyber-attack at their educational institution

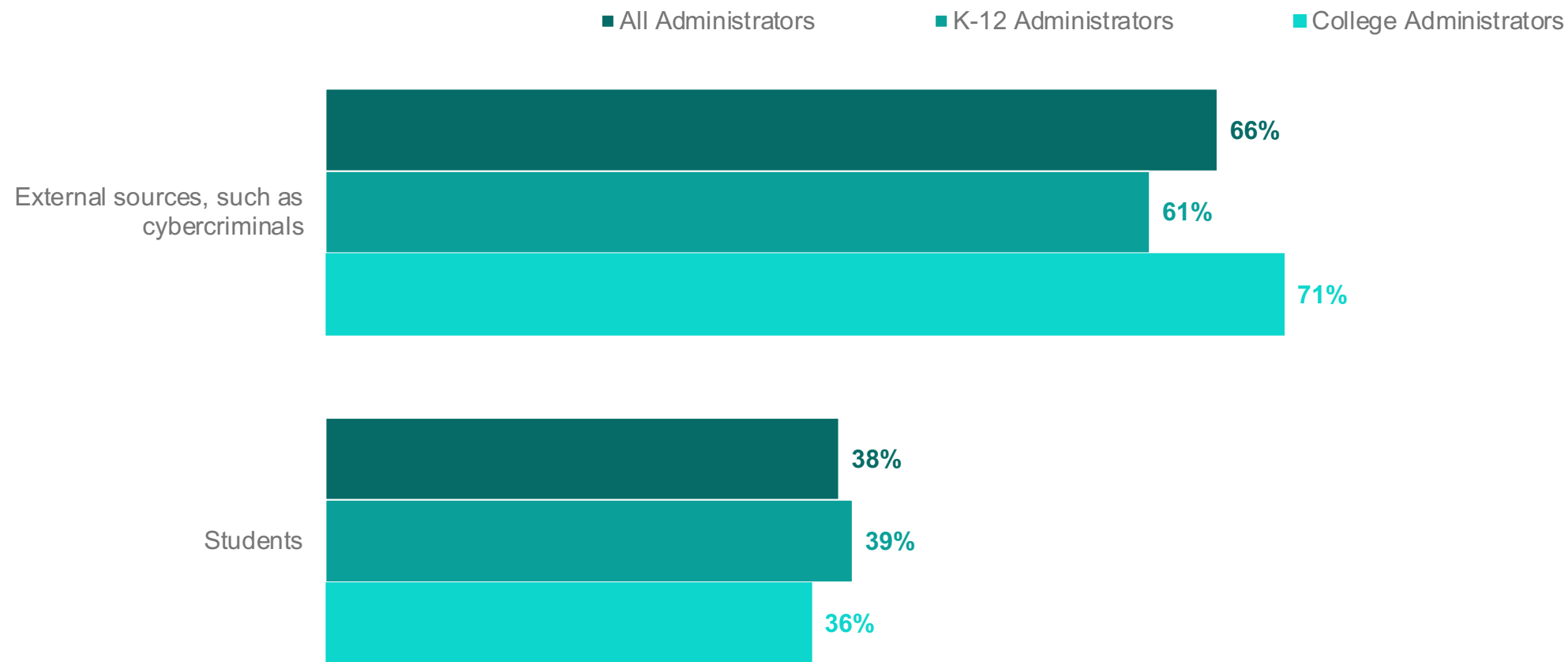
How concerned are you about the following groups causing a causing a cyber-attack at your educational institution? *[Showing % saying very concerned + somewhat concerned]*



CONCERN ABOUT CYBER ATTACKS

College administrators are more concerned than K-12 administrators about external sources (+10) causing a cyber-attack at their educational institution, but K-12 administrators are slightly more concerned than college administrators about students (+3) causing a cyber-attack

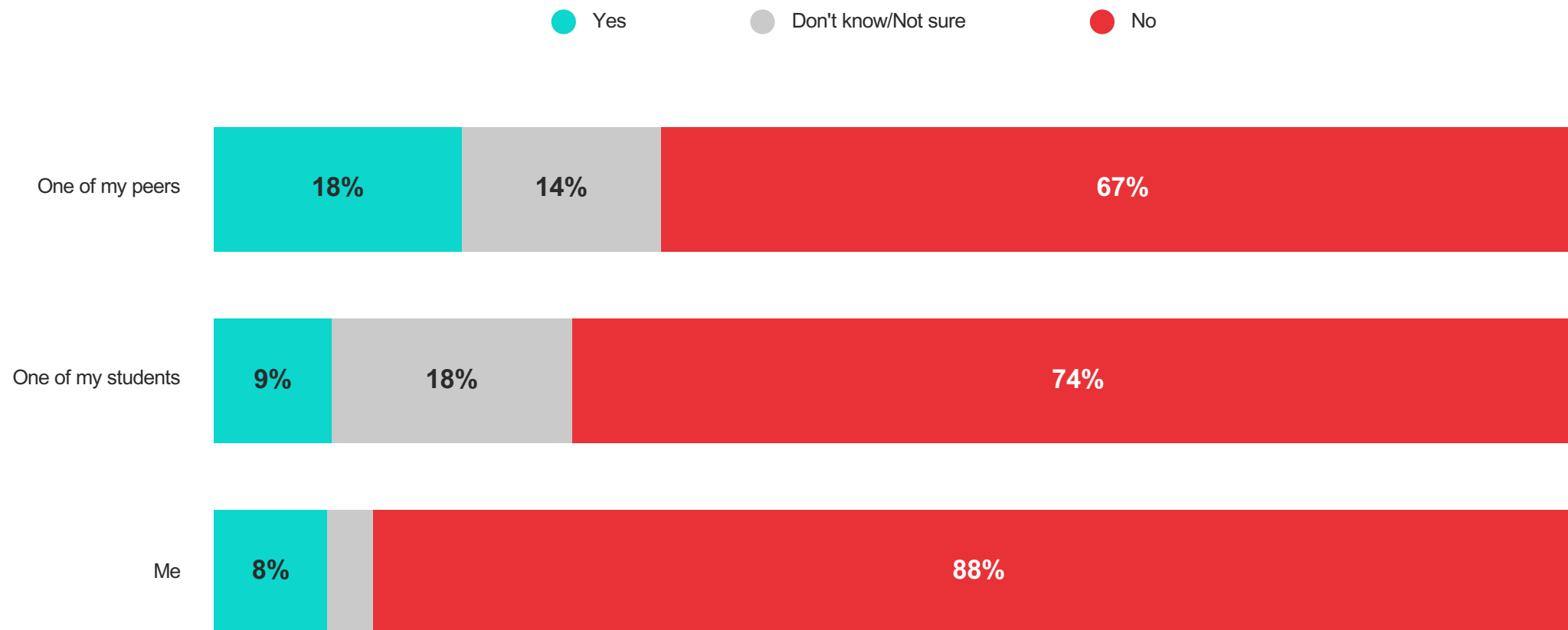
How concerned are you about the following groups causing a causing a cyber-attack at your educational institution? **[Showing % saying very concerned + somewhat concerned]**



CONCERN ABOUT CYBER ATTACKS

Nearly one in five (18%) educators say one of their peers has experienced security issues related to video conferencing during class

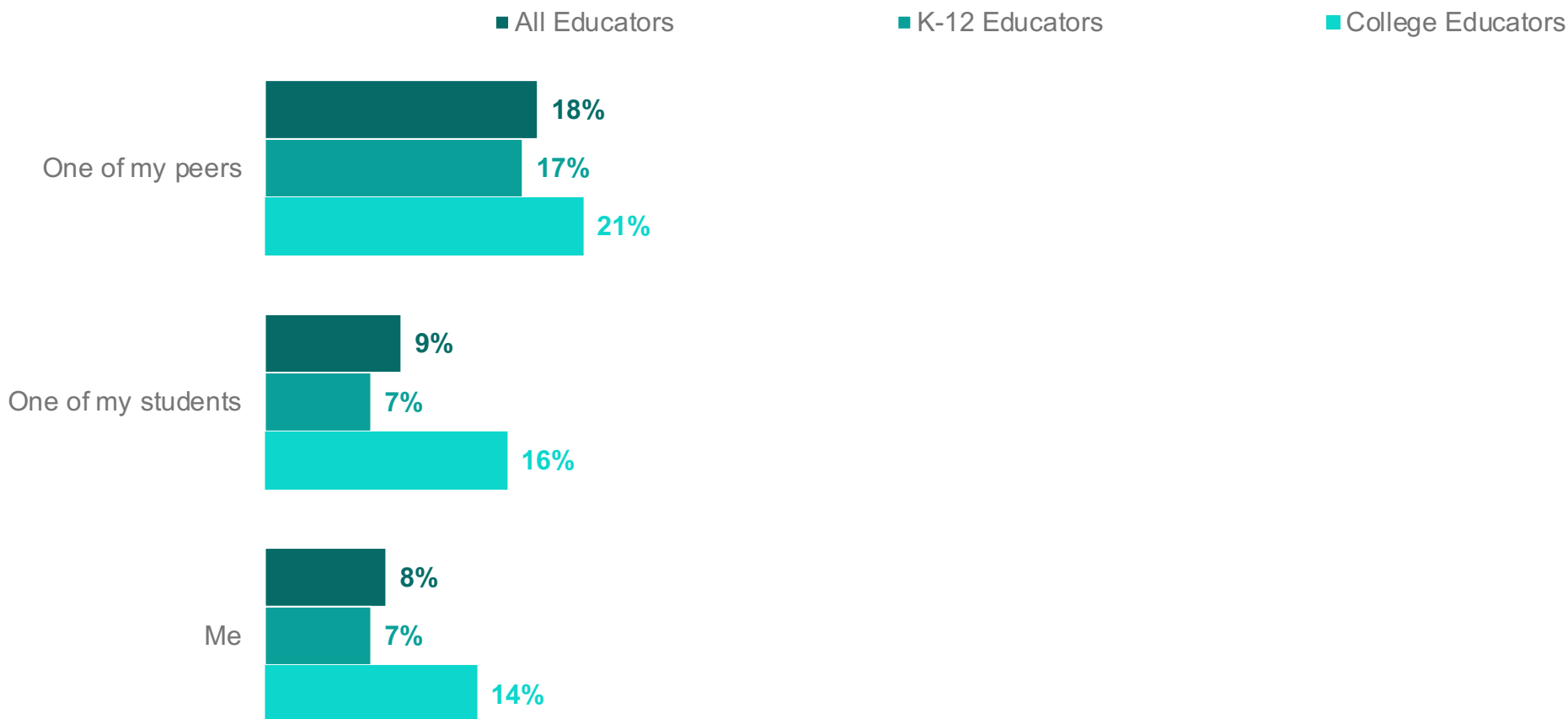
Have you or one of your peers or students experienced any security issues (e.g. Zoom bombing) related to video conferencing during class? **[Among Educators]**



CONCERN ABOUT CYBER ATTACKS

College educators are more likely than K-12 educators to say they (+7), one of their students (+9), or one of their peers (+4) has experienced security issues related to video conferencing during class

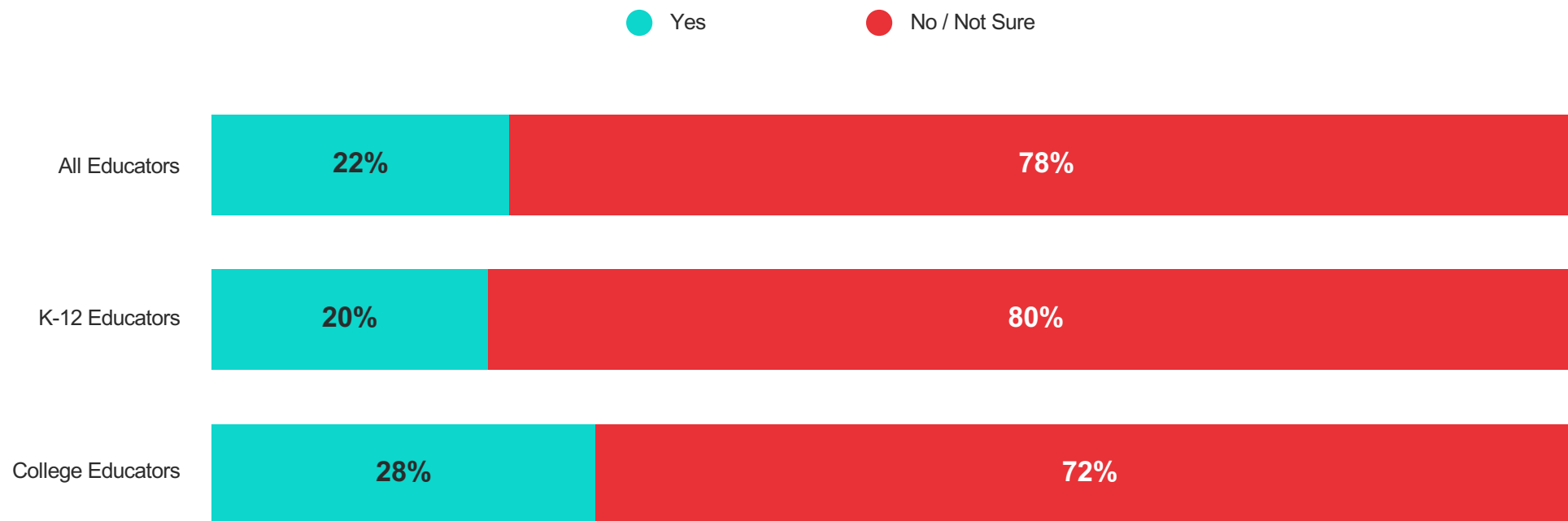
Have you or one of your peers or students experienced any security issues (e.g. Zoom bombing) related to video conferencing during class? [% Saying Yes]



CONCERN ABOUT CYBER ATTACKS

Over a quarter (28%) of college educators say either they and/or someone they know has experienced security issues related to video conferencing during class, while about one in five educators overall (22%) and K-12 educators (20%) say they and/or someone they know has experienced Zoom bombing

Have you or one of your peers or students experienced any security issues (e.g. Zoom bombing) related to video conferencing during class? Me, one of my peers, or one of my students **[Among Educators]**



AGENDA

GENERAL CYBERSECURITY AT EDUCATIONAL INSTITUTIONS

CONCERN ABOUT CYBER ATTACKS

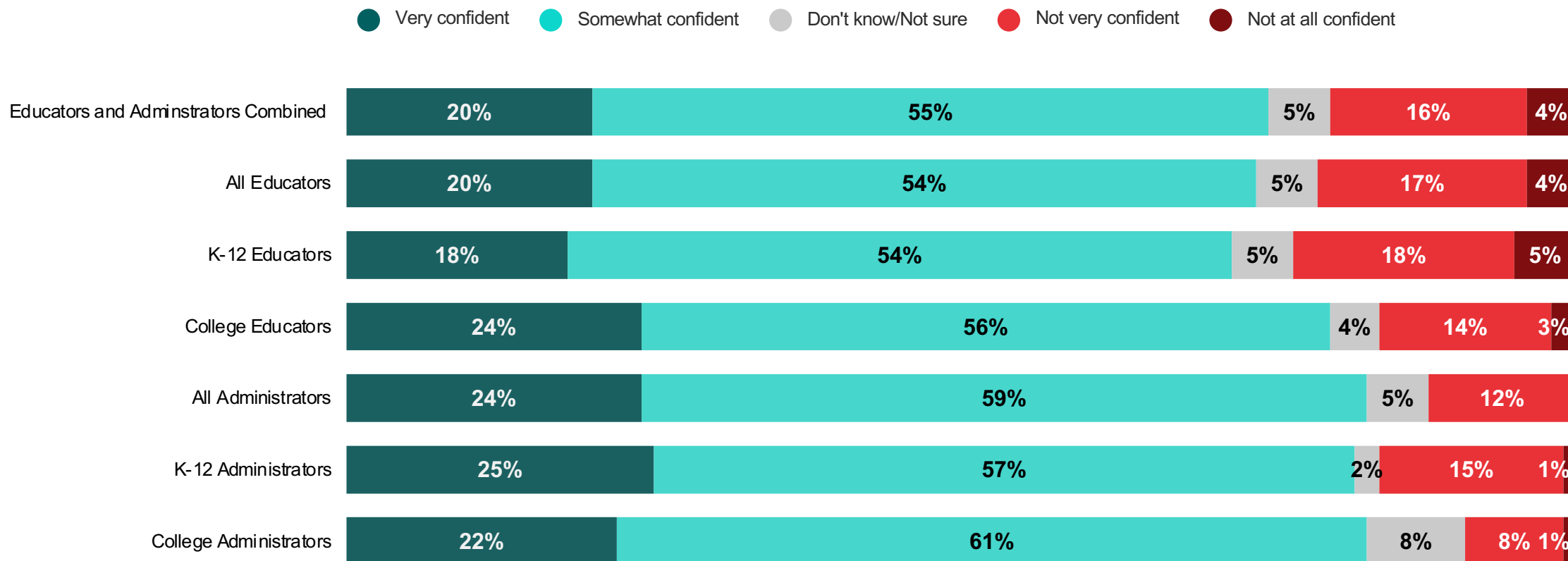
RESPONDING TO CYBER ATTACKS



RESPONDING TO CYBER ATTACKS

Educators in general, largely driven by K-12 educators, are slightly less confident than administrators in their educational institution's ability to manage the consequences of a cyber-attack

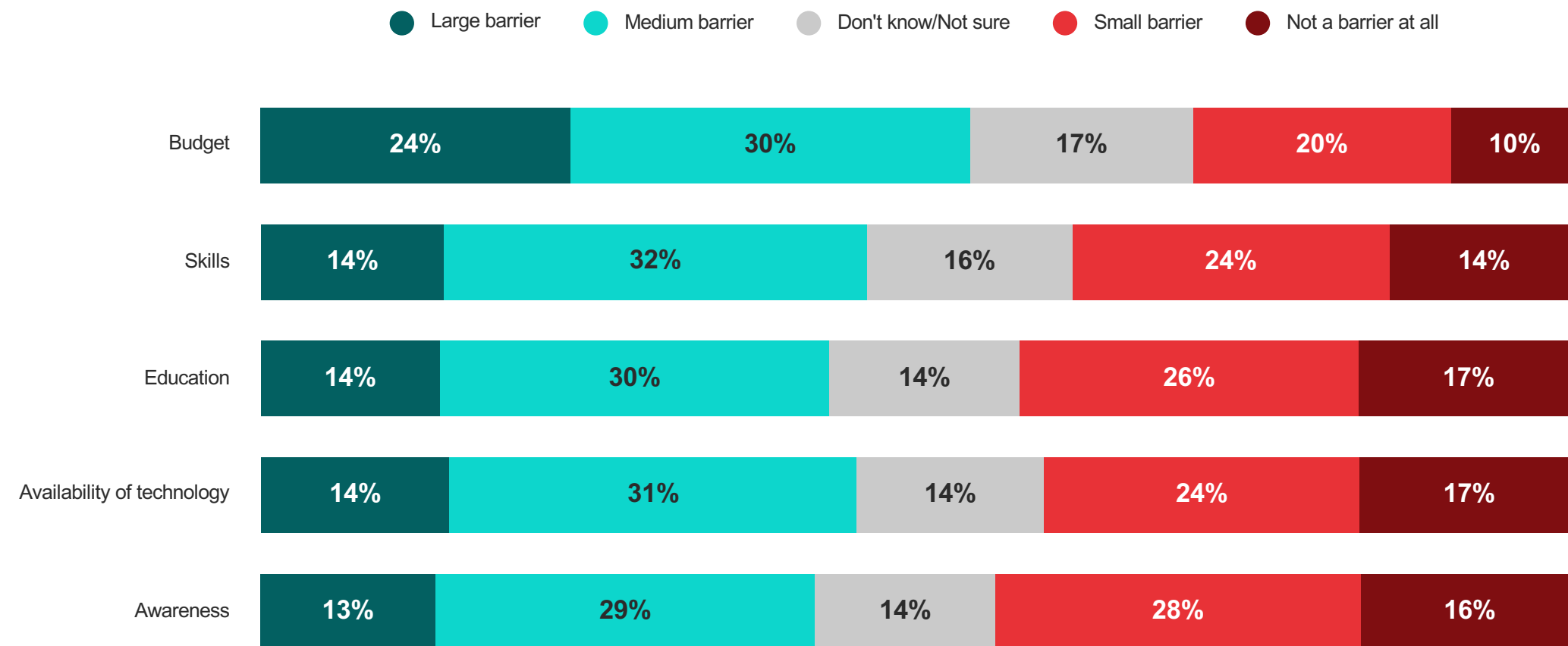
How confident are you in your educational institution's ability to manage the consequences of a cyber-attack?



RESPONDING TO CYBER ATTACKS

Over half (54%) of educators and administrators said budget is a large or medium barrier in their educational institution implementing stronger cybersecurity initiatives

How much of a barrier are the following in your educational institution implementing stronger cybersecurity initiatives?

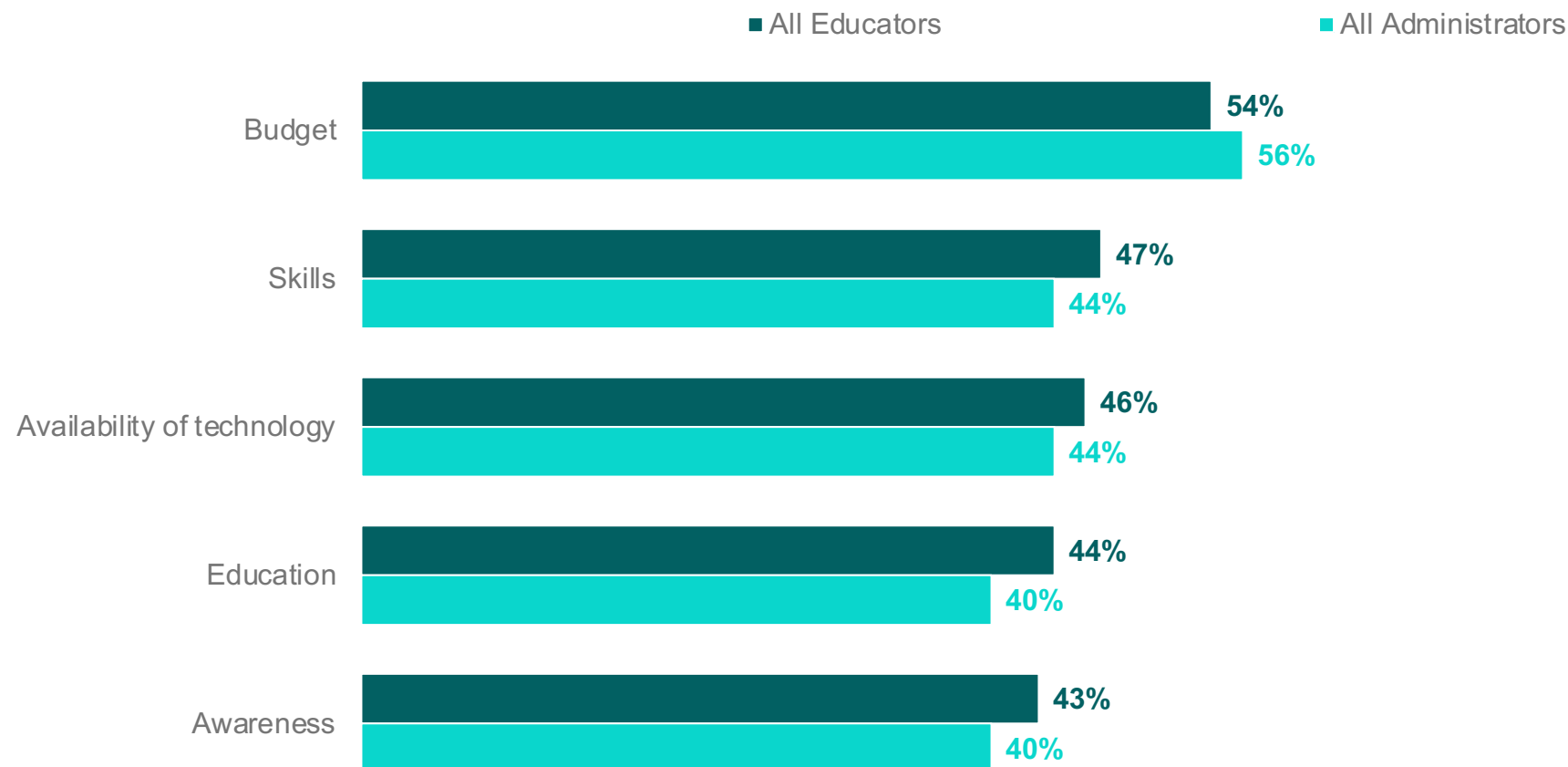


RESPONDING TO CYBER ATTACKS

Over half of educators (54%) and administrators (56%) say budget is a large or medium barrier in their educational institution implementing stronger cybersecurity initiatives; educators are slightly more likely than administrators to say each potential barrier is a large or medium barrier

How much of a barrier are the following in your educational institution implementing stronger cybersecurity initiatives?

[Showing % saying large barrier + medium barrier]

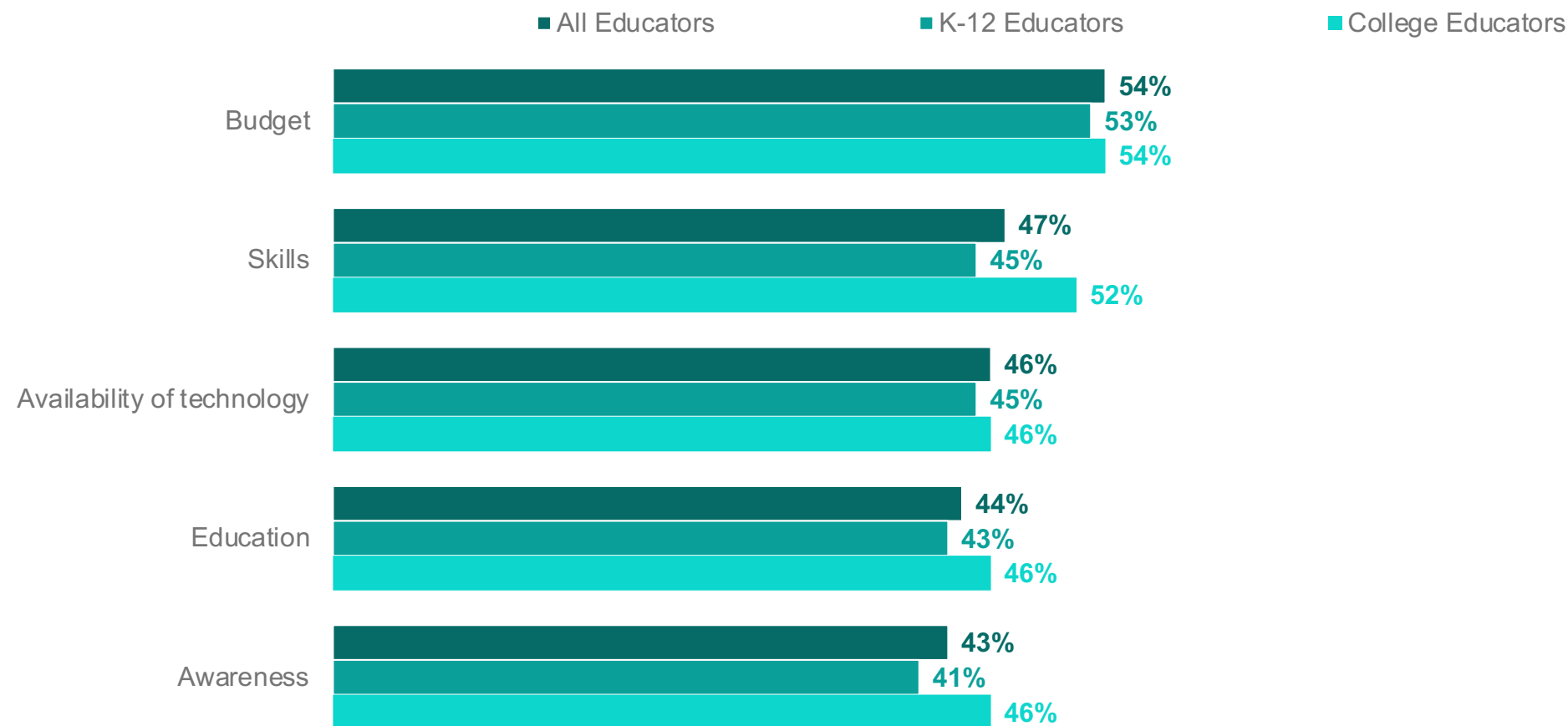


RESPONDING TO CYBER ATTACKS

Across all potential barriers, college educators are slightly more likely to say each is a large or medium barrier, but over half of K-12 educators (53%) and college educators (54%) think budget is a large or medium barrier

How much of a barrier are the following in your educational institution implementing stronger cybersecurity initiatives?

[Showing % saying large barrier + medium barrier]

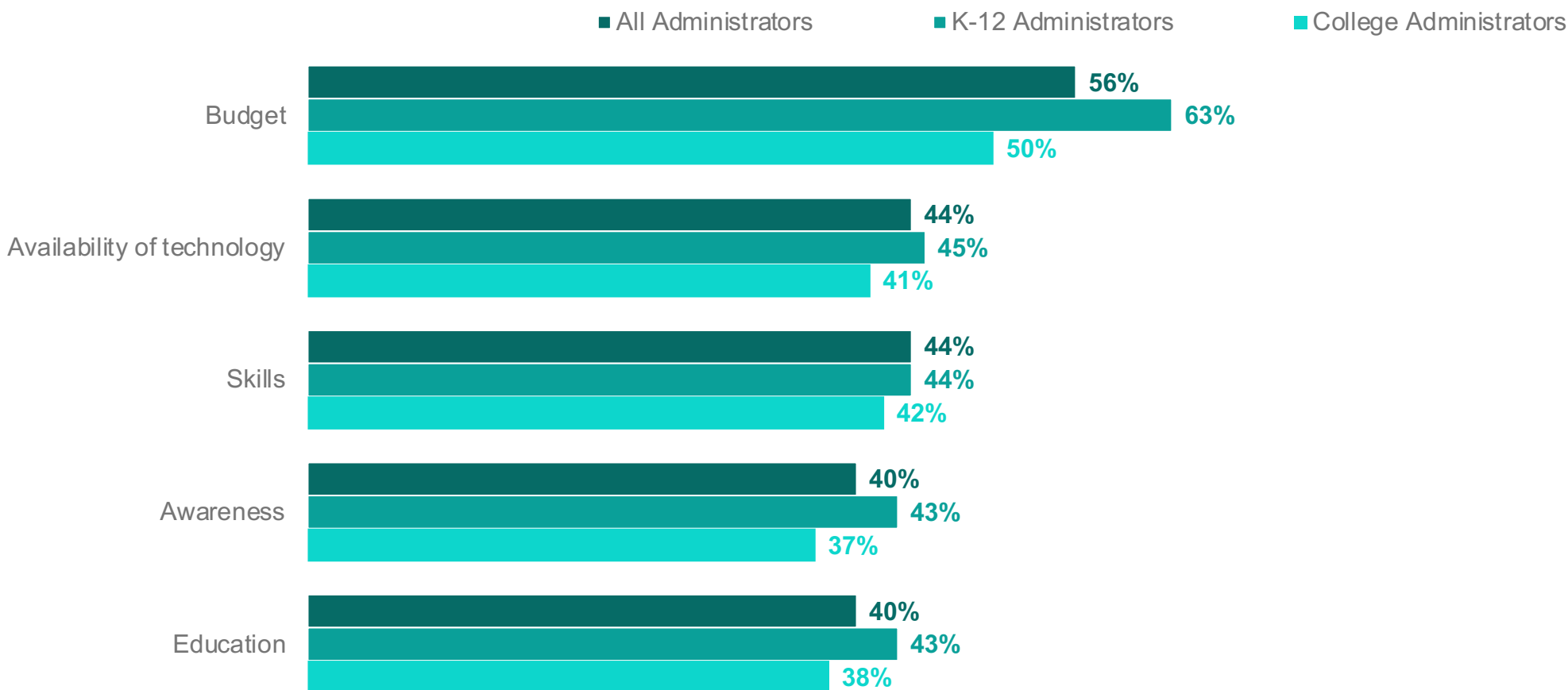


RESPONDING TO CYBER ATTACKS

Over six in ten (63%) K-12 administrators say budget is a large or medium barrier, and across all other potential barriers, K-12 administrators are more likely to say each is a large or medium barrier

How much of a barrier are the following in your educational institution implementing stronger cybersecurity initiatives?

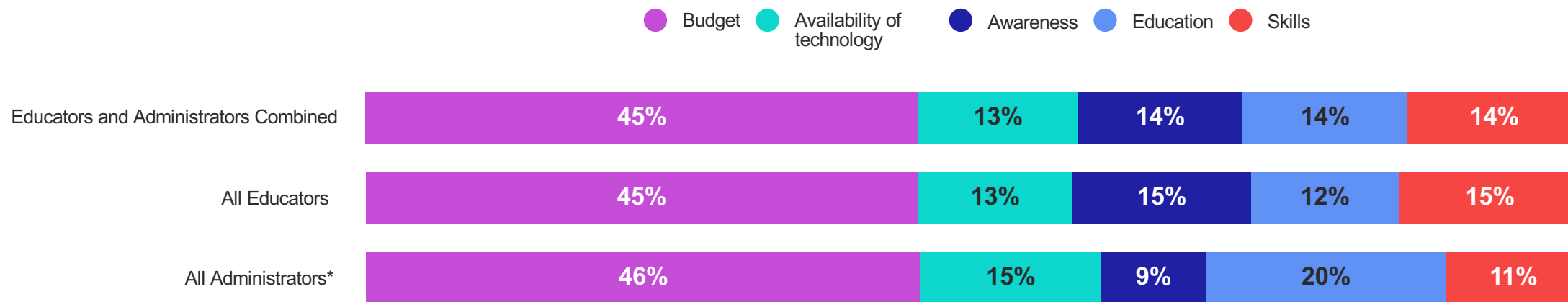
[Showing % saying large barrier + medium barrier]



RESPONDING TO CYBER ATTACKS

A plurality of educators and administrators think budget is the greatest barrier in their educational institution implementing stronger cybersecurity initiatives

Which of the following is the greatest barrier in your educational institution implementing stronger cybersecurity initiatives? **[Showing respondents who selected one large barrier + respondents who selected large barrier on more than one potential barrier]**

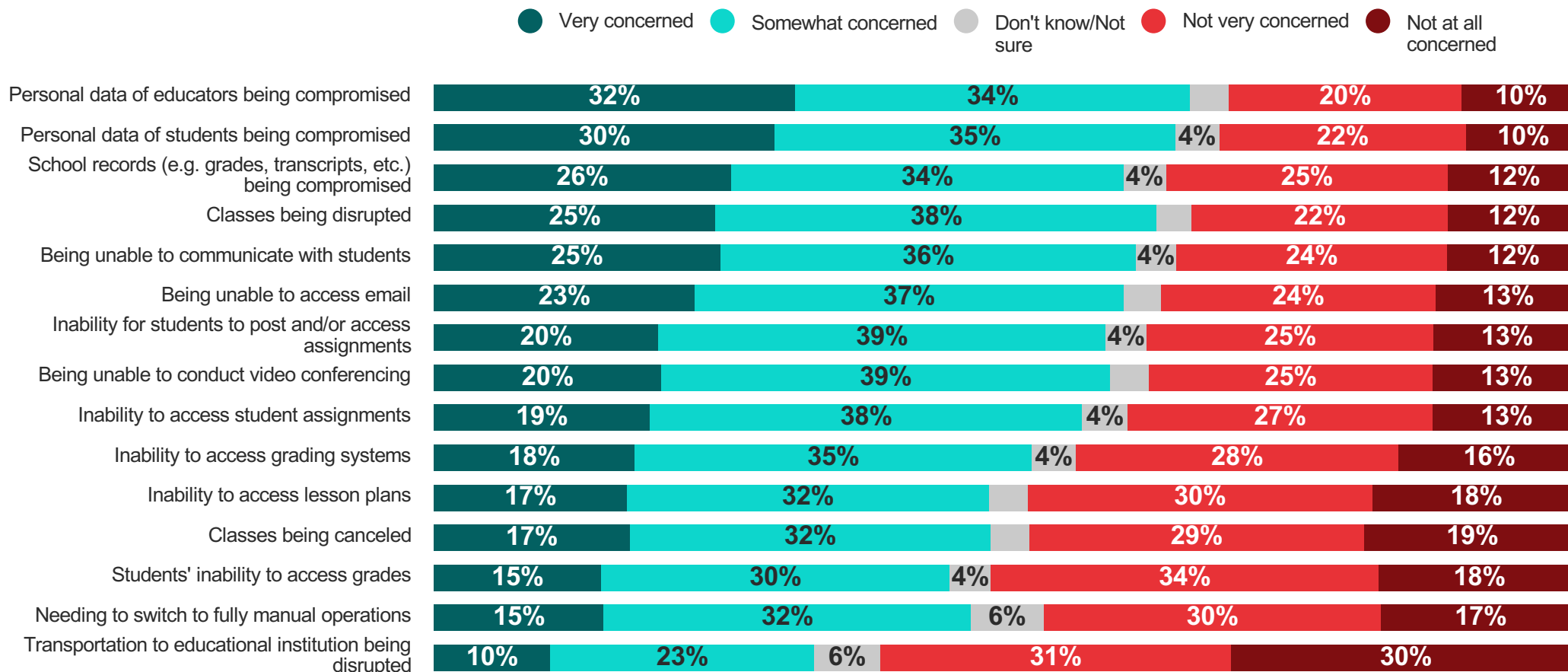


* N size less than 100

RESPONDING TO CYBER ATTACKS

About two thirds of educators and administrators are concerned about personal data of educators being compromised (66%) and personal data of students being compromised (65%) as a result of a ransomware attack at their educational institution

How concerned are you about the following outcomes as a result of a ransomware attack at your educational institution?

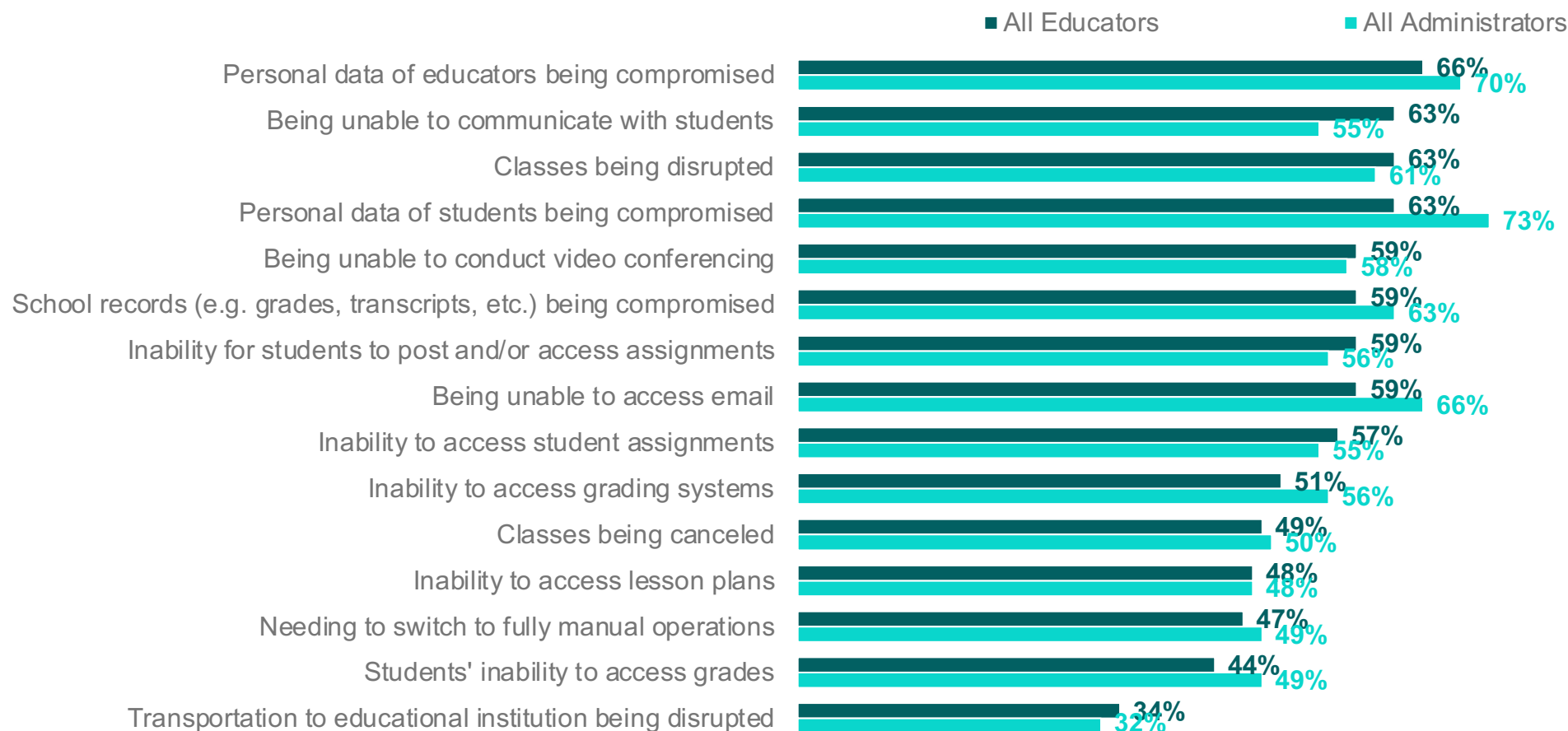


RESPONDING TO CYBER ATTACKS

Administrators are slightly more concerned about personal data of educators being compromised and personal data of students being compromised, while educators are more concerned about being unable to communicate with students and classes being disrupted

How concerned are you about the following outcomes as a result of a ransomware attack at your educational institution?

[Showing % saying very concerned + somewhat concerned]

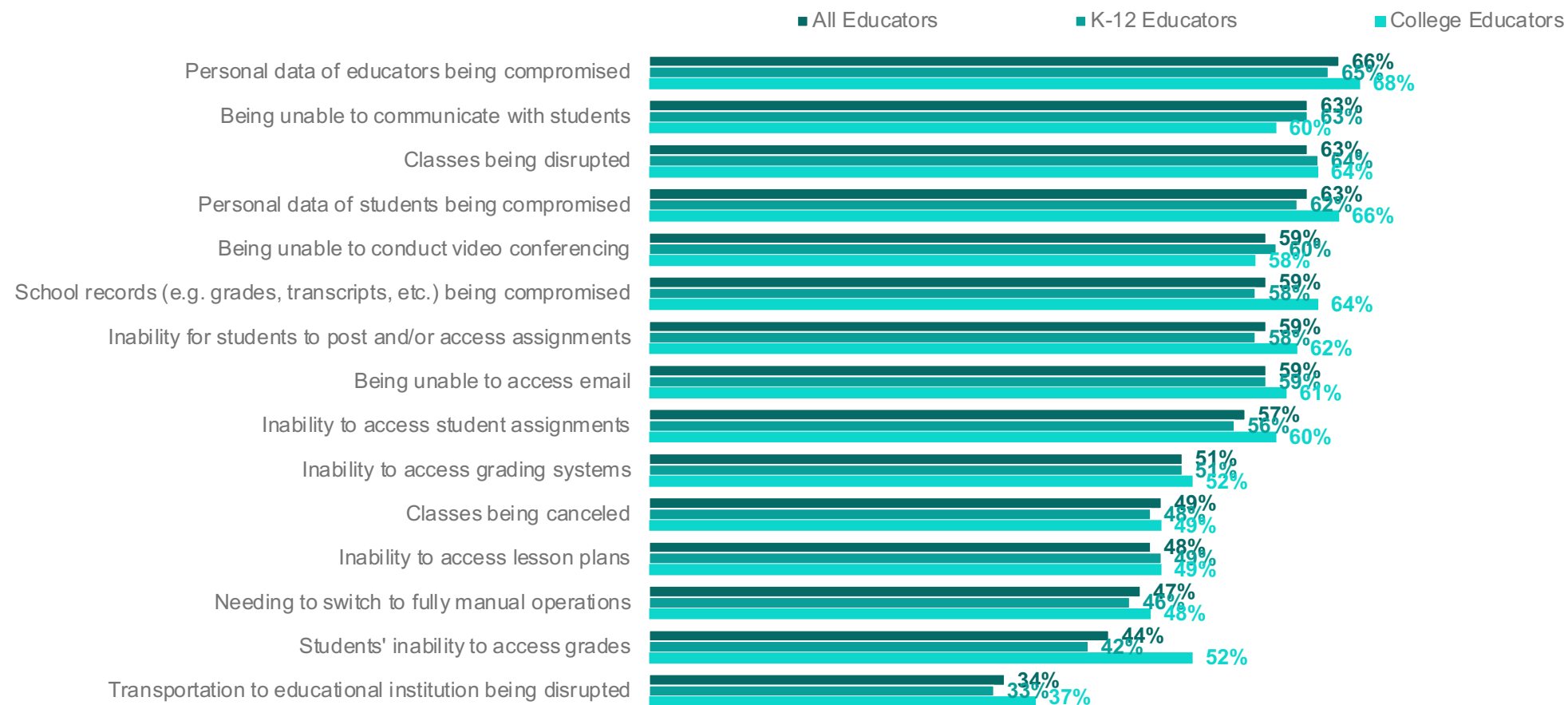


RESPONDING TO CYBER ATTACKS

College educators are slightly more concerned about personal data of educators being compromised and personal data of students being compromised, while K-12 educators are more concerned about being unable to communicate with students

How concerned are you about the following outcomes as a result of a ransomware attack at your educational institution?

[Showing % saying very concerned + somewhat concerned]

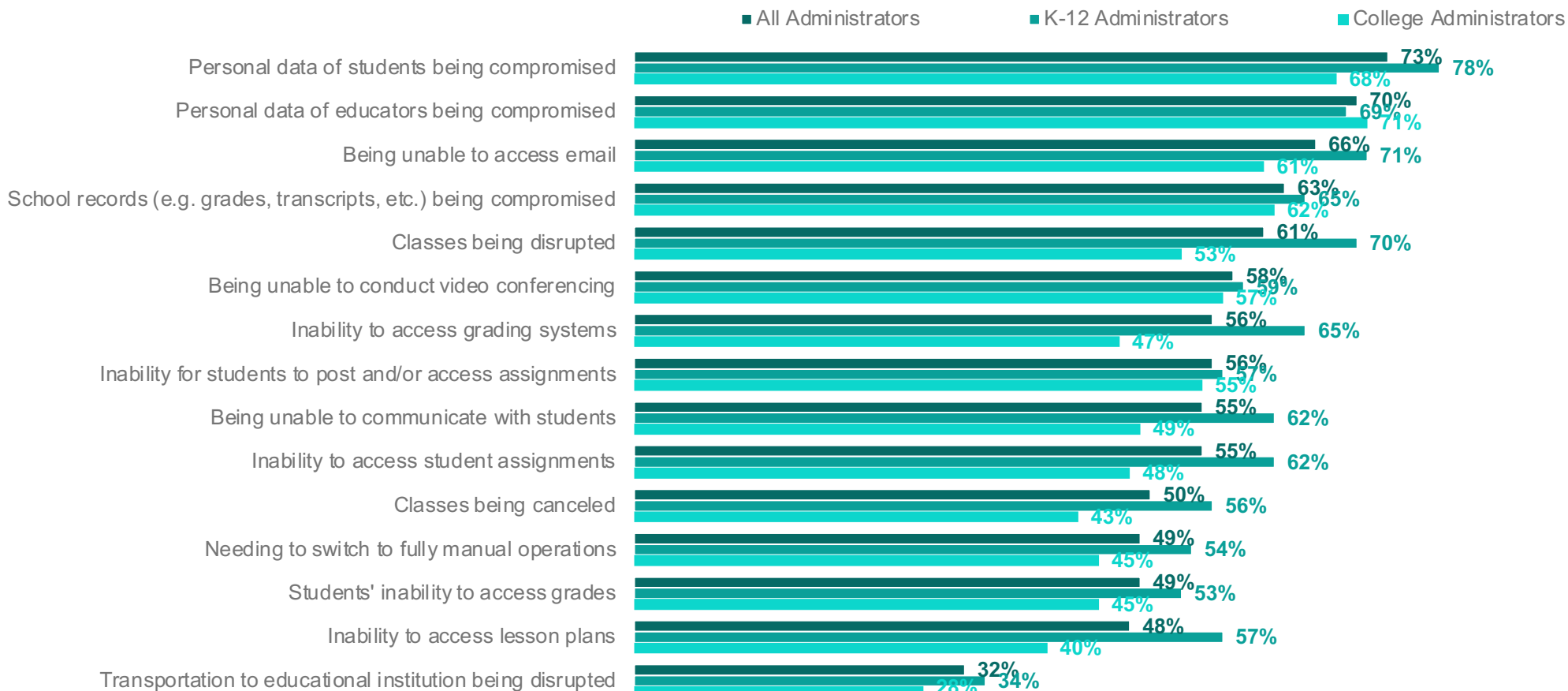


RESPONDING TO CYBER ATTACKS

K-12 administrators are slightly more concerned about personal data of students being compromised and being unable to access email, while college administrators are slightly more concerned about personal data of educators being compromised

How concerned are you about the following outcomes as a result of a ransomware attack at your educational institution?

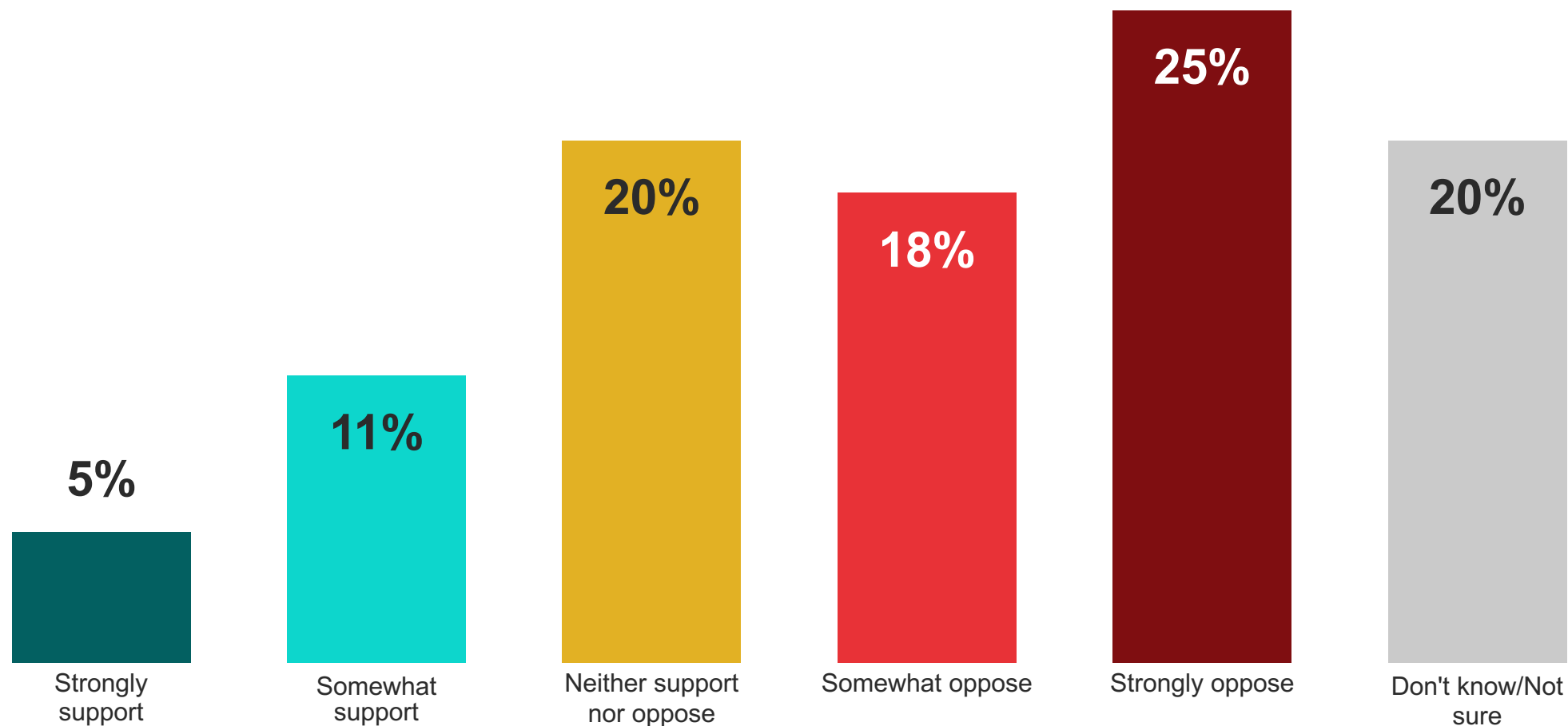
[Showing % saying very concerned + somewhat concerned]



RESPONDING TO CYBER ATTACKS

A plurality (43%) of educators and administrators oppose their educational institution paying the ransom if their educational institution were the target of a ransomware attack

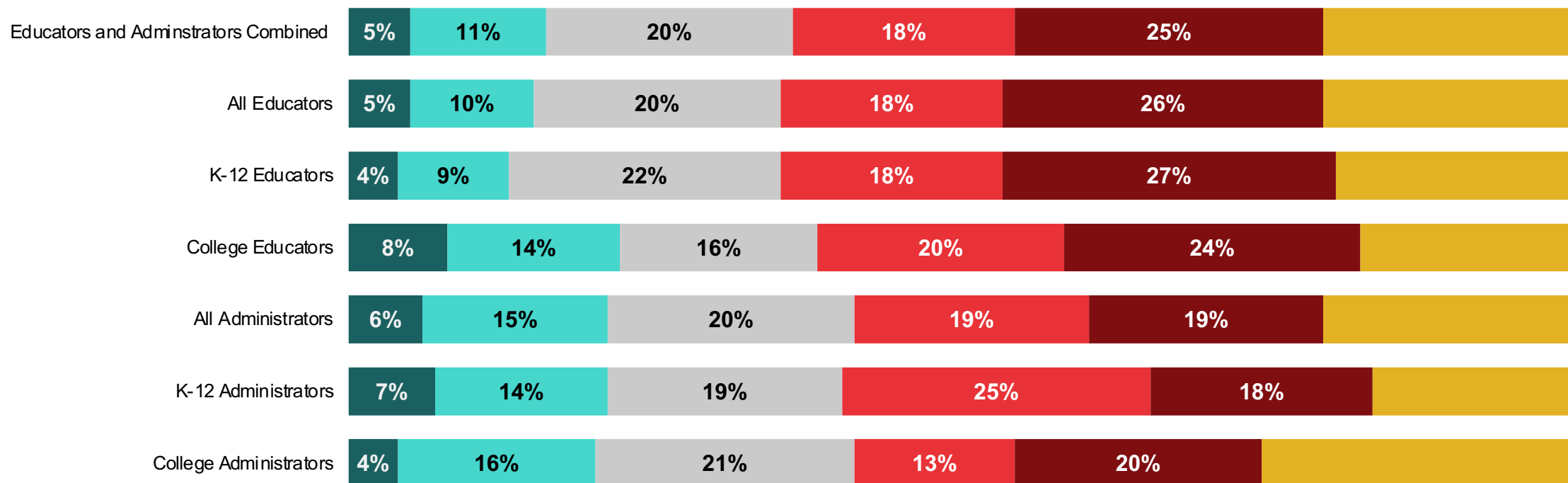
If your educational institution were the target of a ransomware attack, would you support or oppose your educational institution paying the ransom?



RESPONDING TO CYBER ATTACKS

Educators are more likely to oppose their educational institution paying the ransom, while administrators, largely driven by college administrators, are less likely to oppose their educational institution paying the ransom

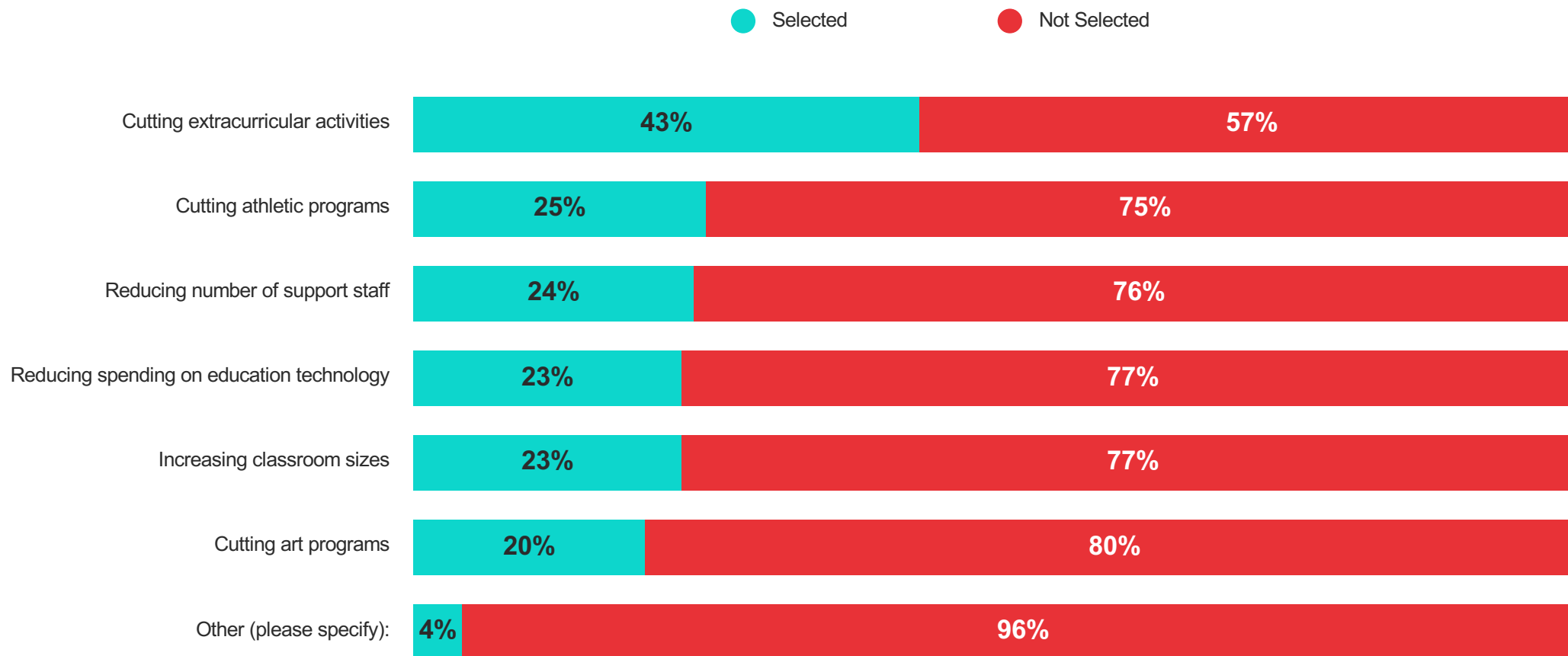
If your educational institution were the target of a ransomware attack, would you support or oppose your educational institution paying the ransom?



RESPONDING TO CYBER ATTACKS

Over three in four educators and administrators say they would not be willing to accept cuts of programs like athletic programs (75%), number of support staff (76%), spending on education technology (77%), increasing classroom sizes (77%), and art programs (80%)

Recognizing none of these are budget cuts or reductions you would want to make in a normal scenario, if forced due to budget shortfalls from paying a ransom, which of the following cuts or reductions would you be willing to accept? Please select all that apply.

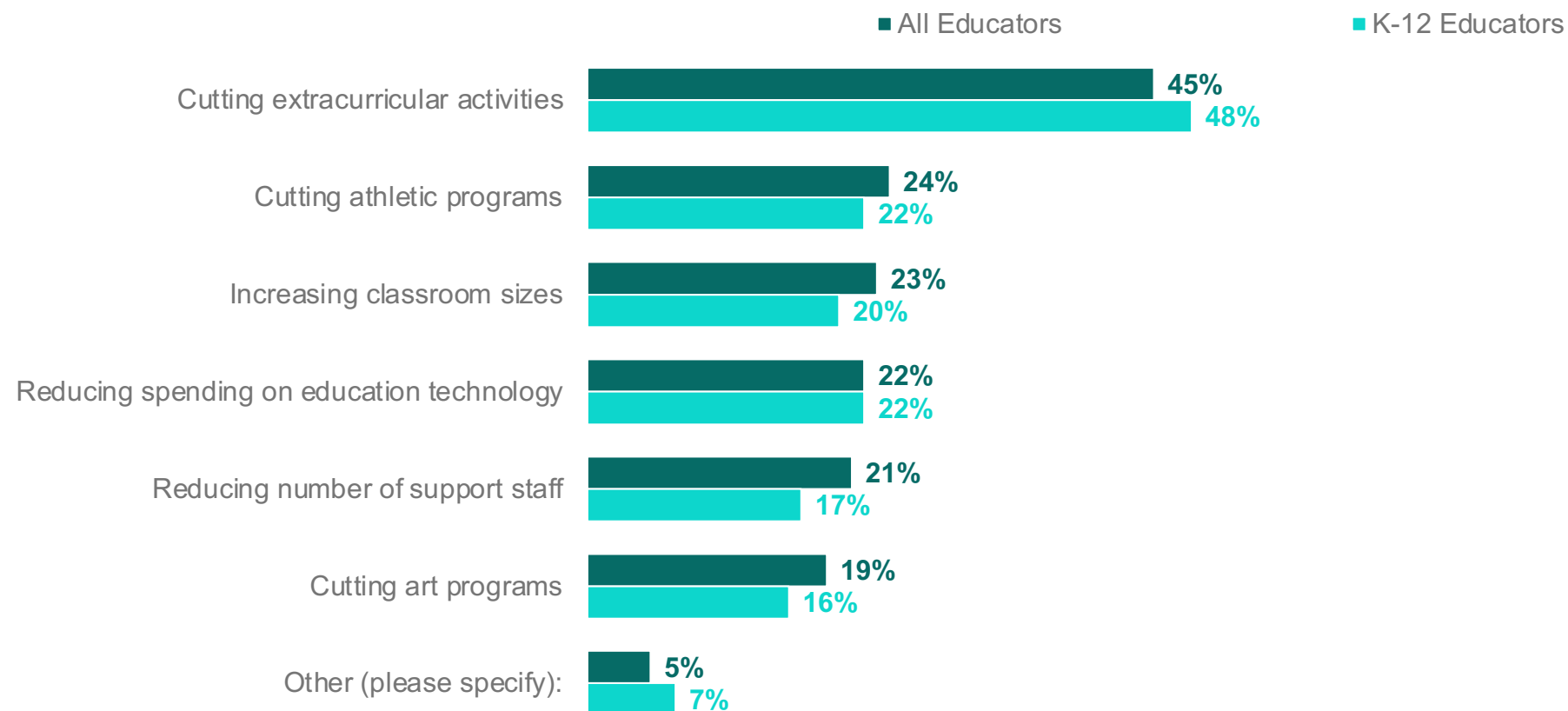


RESPONDING TO CYBER ATTACKS

K-12 educators are slightly more willing than educators overall (+3) to accept cutting extracurricular activities if forced due to budget shortfalls from paying a ransom

Recognizing none of these are budget cuts or reductions you would want to make in a normal scenario, if forced due to budget shortfalls from paying a ransom, which of the following cuts or reductions would you be willing to accept? Please select all that apply.

[Showing % selected]





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