Cybersecurity in Higher Education

Our Current Situation

- In 2023 $1.1 billion were paid in ransomware attacks
- In 2022 the number was $567 million
- Colleges are the second most affected organizations in cyber attacks

The Problem

Institution: costs approx. $5.13 million per attack

- 13% increase from last year

Reputation of the university

Students:

Loss of information
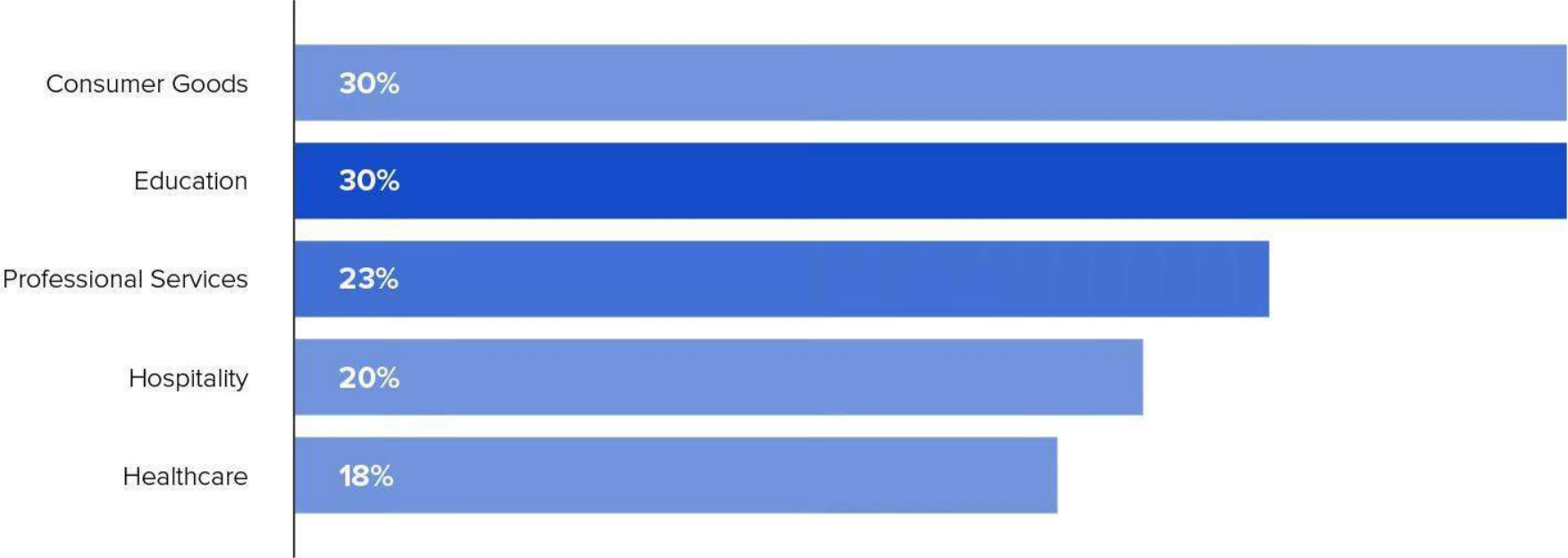
Decreased faith in the institution

Why?

- Colleges utilize public systems that are easily accessible
- Weaknesses in these systems are well known by attackers
- Cyber attackers are constantly developing technology to exploit systems
- Different departments have different setups
- Shortage in cybersecurity professionals

How?

- SQLi attacks- compromise passwords of users
- Phishing-emails or web pages designed to trick users into entering sensitive information

Chart 3: Corporate Phishing Click Rate

Category	
Consumer Goods	**30%**
Education	**30%**
Professional Services	**23%**
Hospitality	**20%**
Healthcare	**18%**

toptal™

Phishing Email example

Google

Gmail ▾

Important: Your Password will expire in 1 day(s)   Inbox   x

MyUniversity   12:18 PM (50 minutes ago)
to me ▾

Dear network user,

This email is meant to inform you that your MyUniversity network password
will expire in 24 hours.
Please follow the link below to update your password
myuniversity.edu/renewal

Thank you
MyUniversity Network Security Staff

MY UNIVERSITY