

TELECOMMUNICATIONS CYBER SECURITY

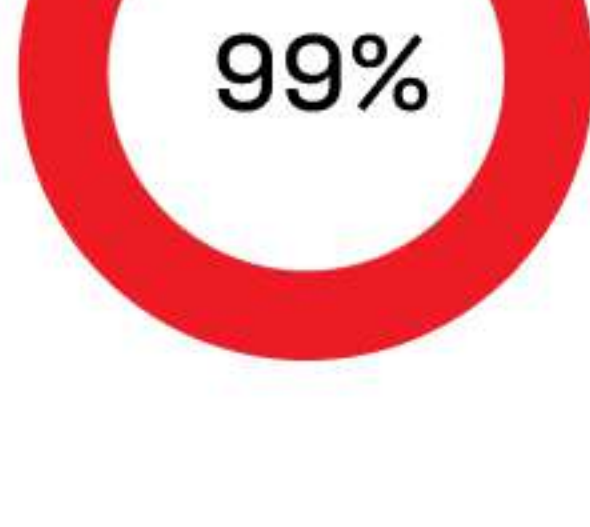
Telecommunications Under Cyber Attack



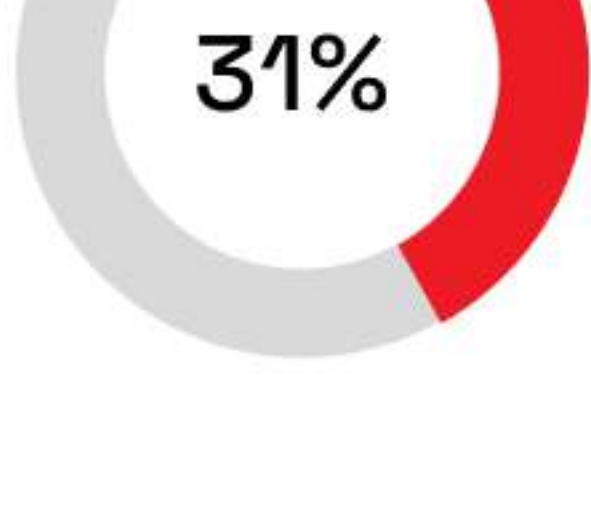
The average cost of a data breach in communications ranges between **\$3.15 to \$3.62M**



5% of respondents in the telecom industry admitted to an attack that surpassed **\$4.95M**



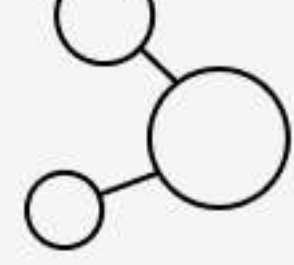
99% of respondents working at telecom organizations have experienced a security incident in the last 12 months.



31% of telecom companies suffered brand damage.



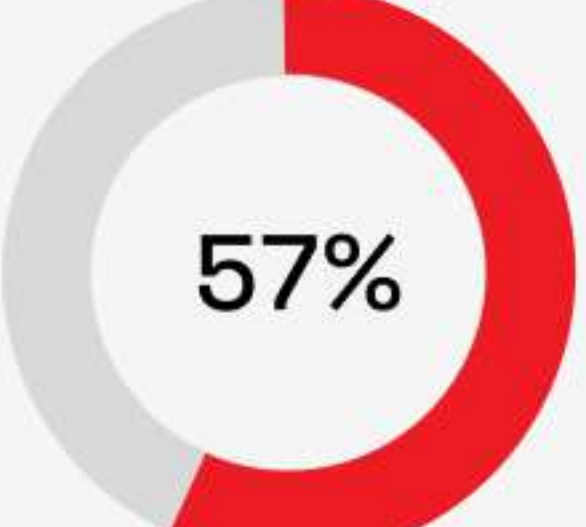
IoT Impacts Telecommunications



There will be **4.3b** IoT devices connected to cellular networks worldwide by 2026.



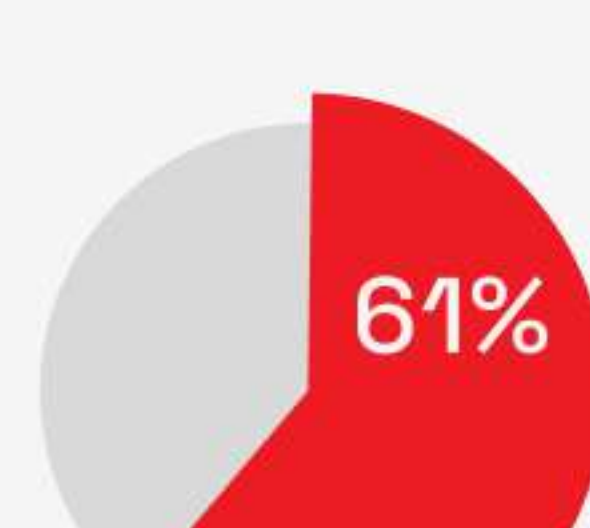
The IoT telecom services will reach **\$23.1b** by 2023.



57% of telecom orgs have aspirations to become an IoT platform provider.



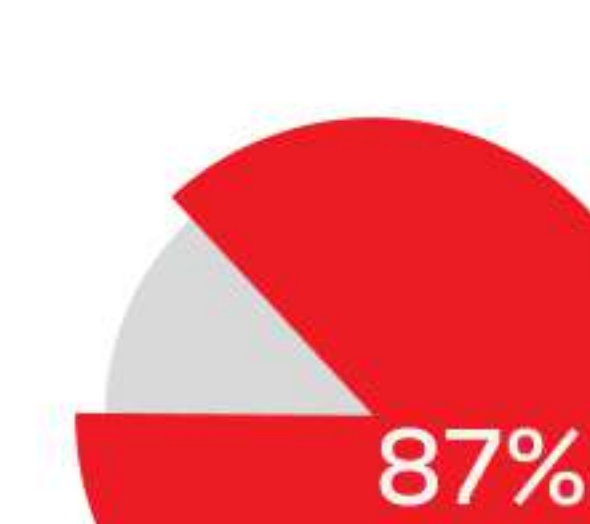
Cyber Threats at a Glance



61% of telecom orgs experienced an IoT security incident.

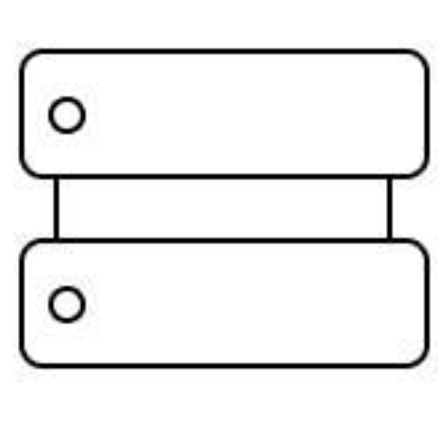
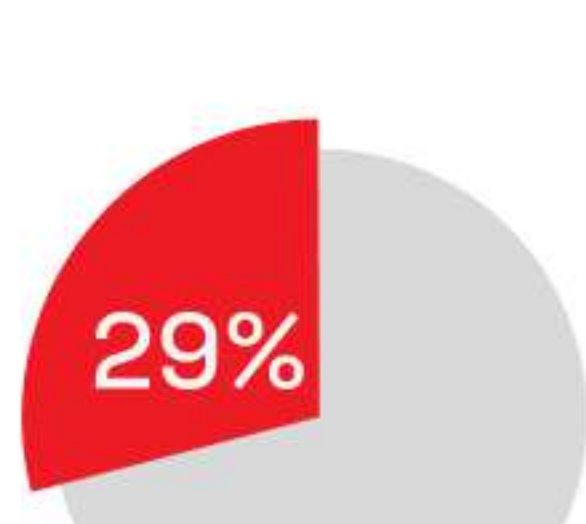


98% of all the IoT data traffic is not encrypted.



87% of telecom orgs experienced one or more DNS-based attacks and the average cost of a DNS-based attack is of **\$950K**

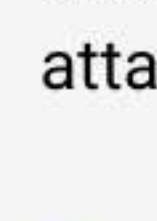
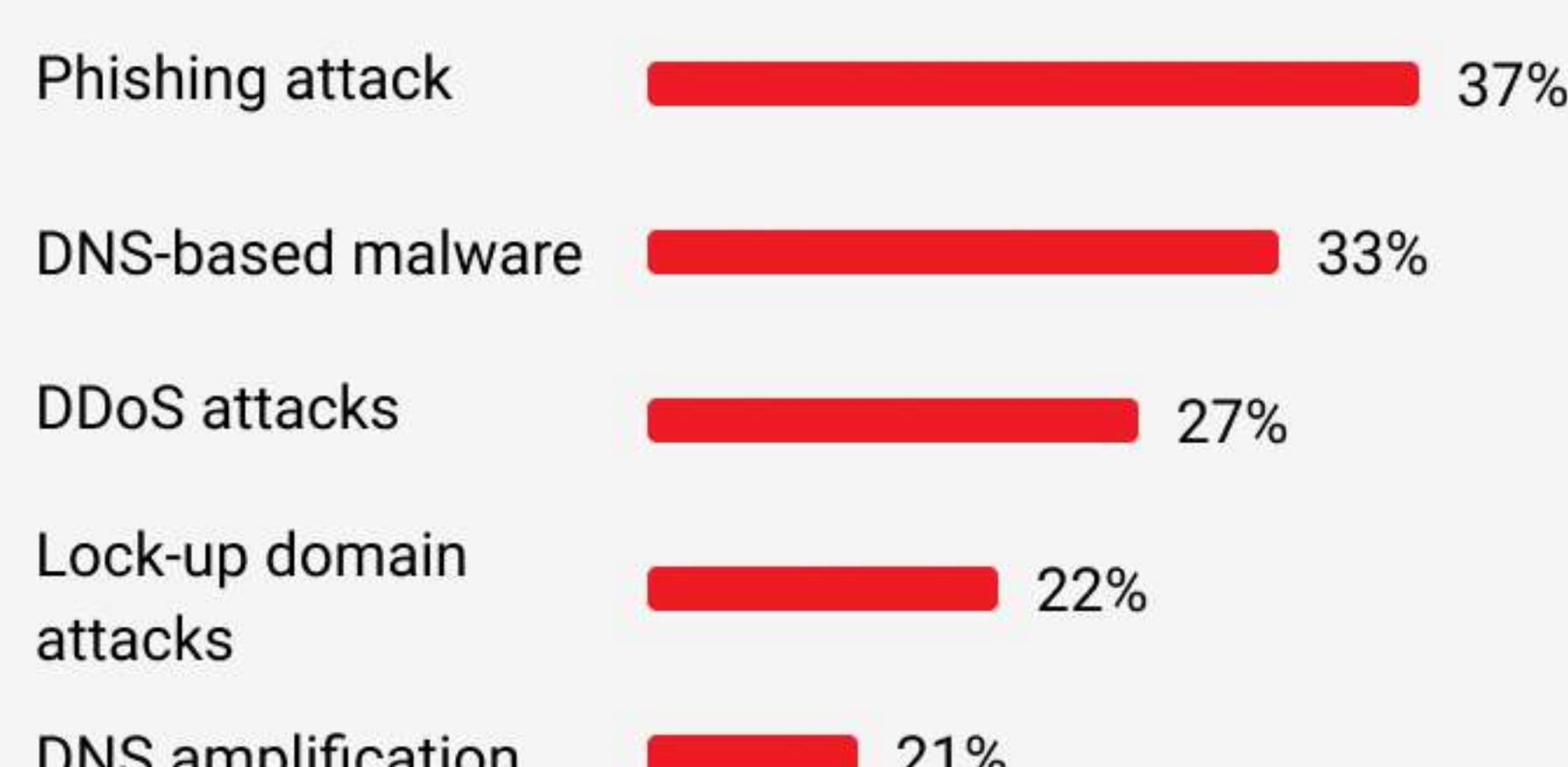
Highest customer information stolen via DNS at



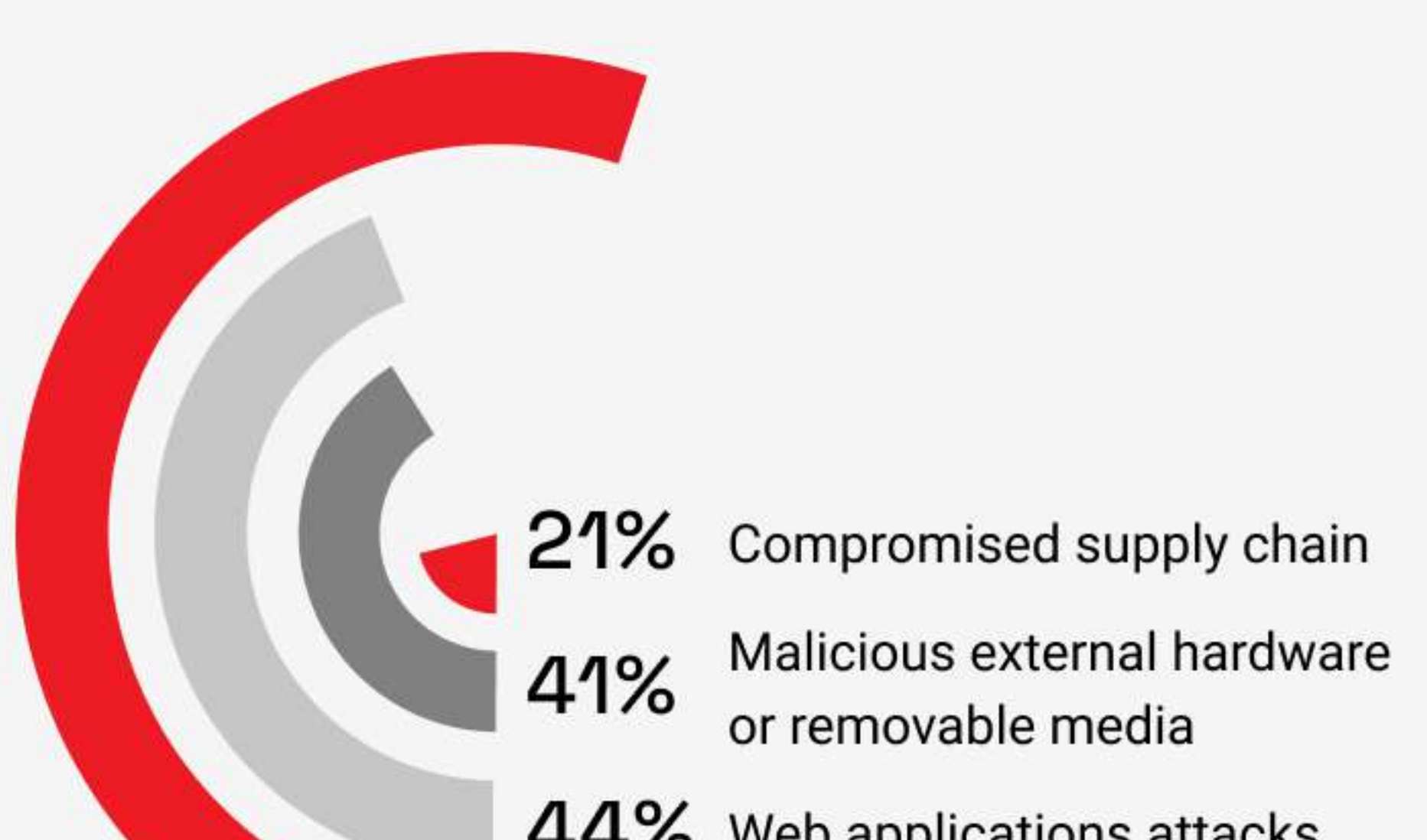
Telecom is the most targeted industry for DNS attacks, averaging **8.6** attacks per telecom.



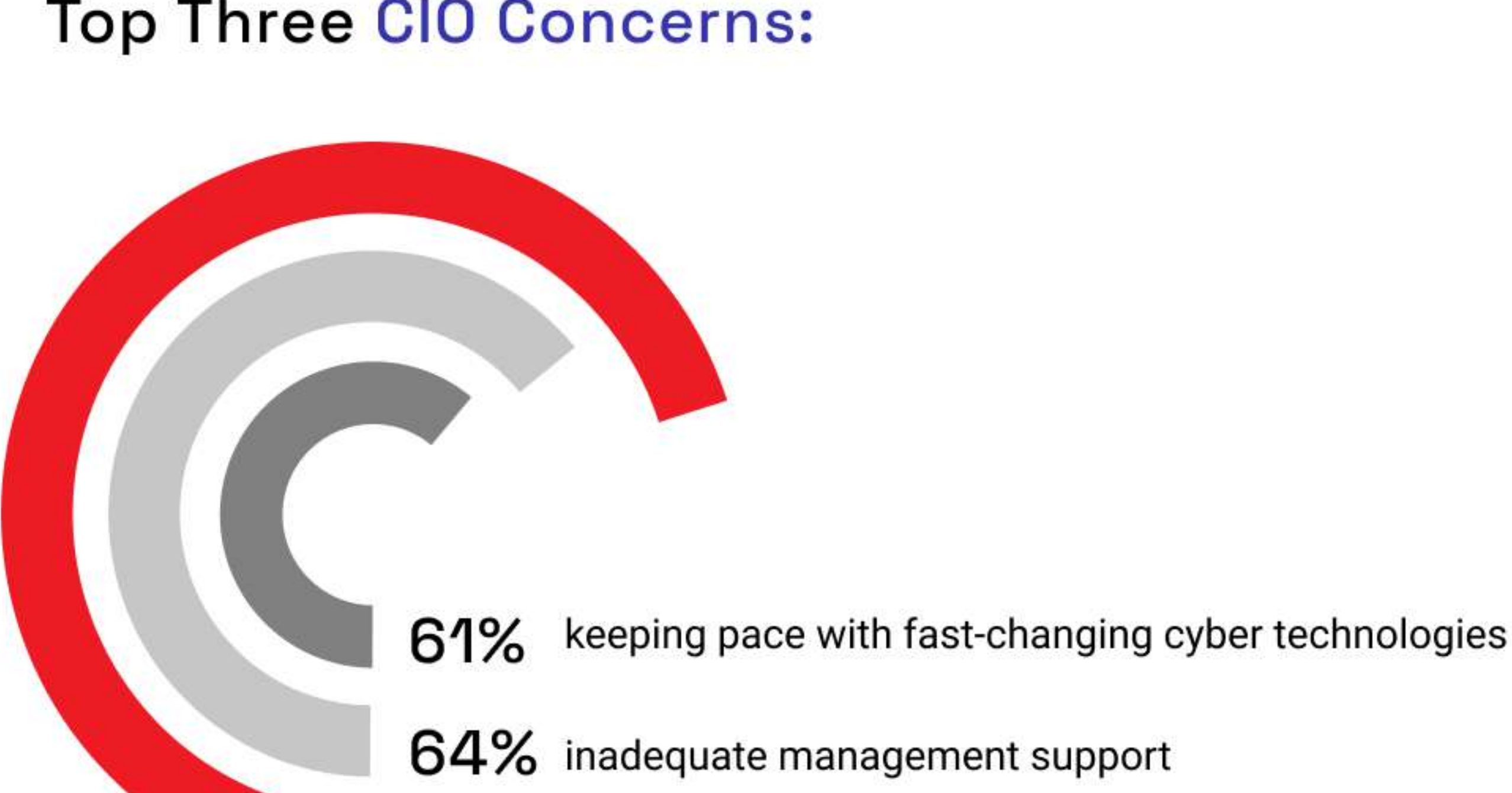
Top Attack Types



Top Attack Vectors



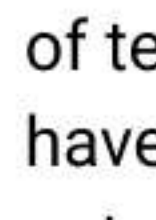
Top Three CIO Concerns:



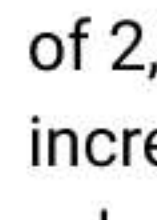
Cybersecurity Maturity in Telecommunications



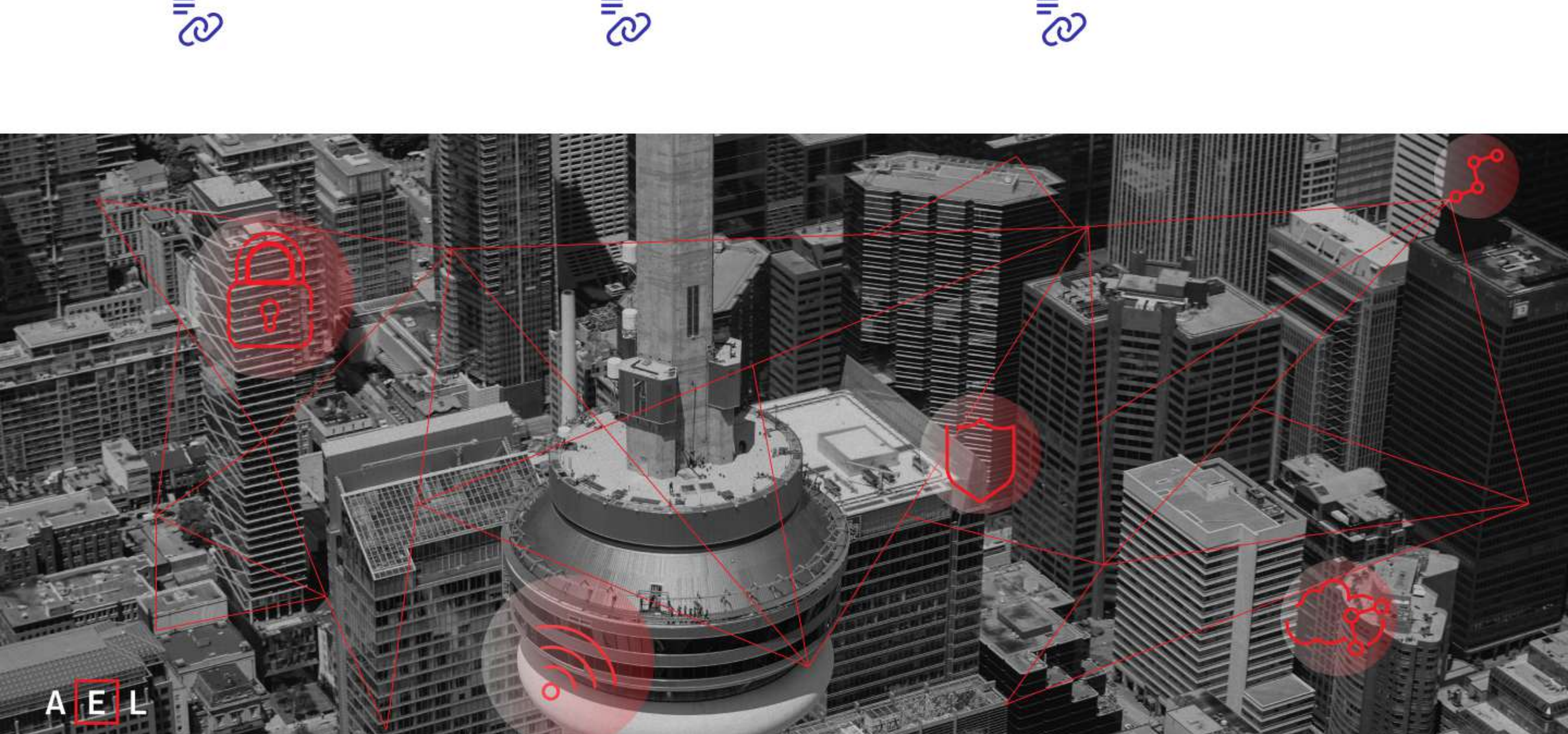
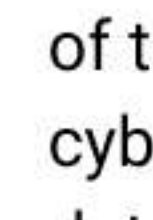
72% of telecom companies have a well-defined enterprise-wide strategy/roadmap implemented.



61% of 2,000+ CIOs indicating increased investment in cyber and information security.



>50% of telecoms use AI-based cybersecurity solutions for detection purposes.



Cyber attacks on telecommunications infrastructure are growing in volume and severity, even though the industry is considered mature. The need for a holistic approach to cybersecurity is acute, especially to meet the more modern and sophisticated software threats and attacks of today and tomorrow.

AI EdgeLabs is a robust, enterprise-grade, and AI-based solution that offers telecom companies advanced network visibility, cyber threat intelligence for early threat detection, and automated incident response and remediation, all vital for the newest technologies latent in the telecom industry.