

CSO PERSPECTIVES

ROADSHOW 2017

Leon Fouche

BDO - National Leader, Cyber Security

BDO / AusCERT Cyber Survey – insights on the
cyber security strategies of Australian organisations



BDO/AusCERT survey

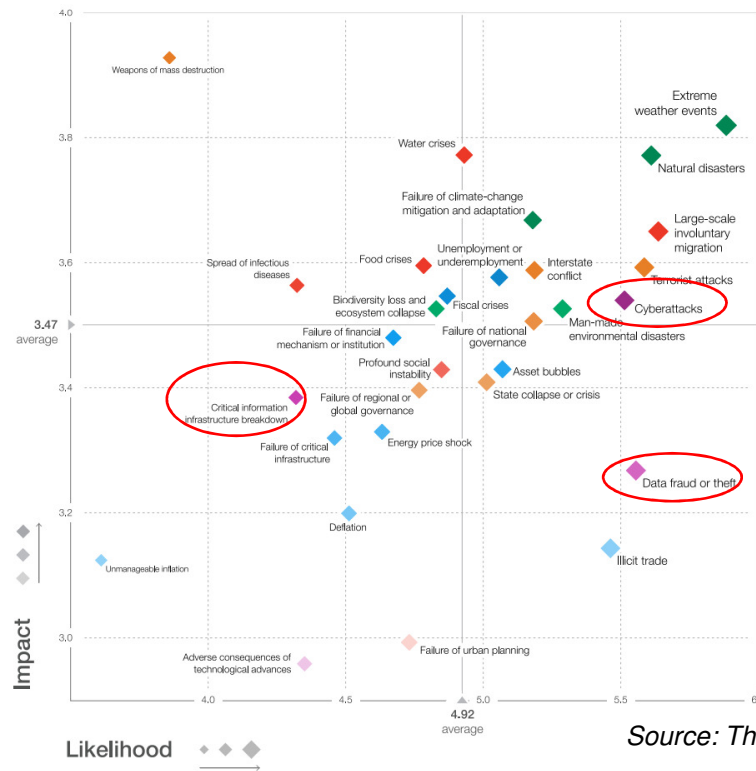
Overview

1. What is at risk?
2. Global industry trends
3. BDO/AusCERT survey
4. Recent cyber breach case studies
5. Cyber risk mitigation strategies



What is at risk







2017 World Economic Forum



Source: The Global Risk Report 2017 – World Economic Forum

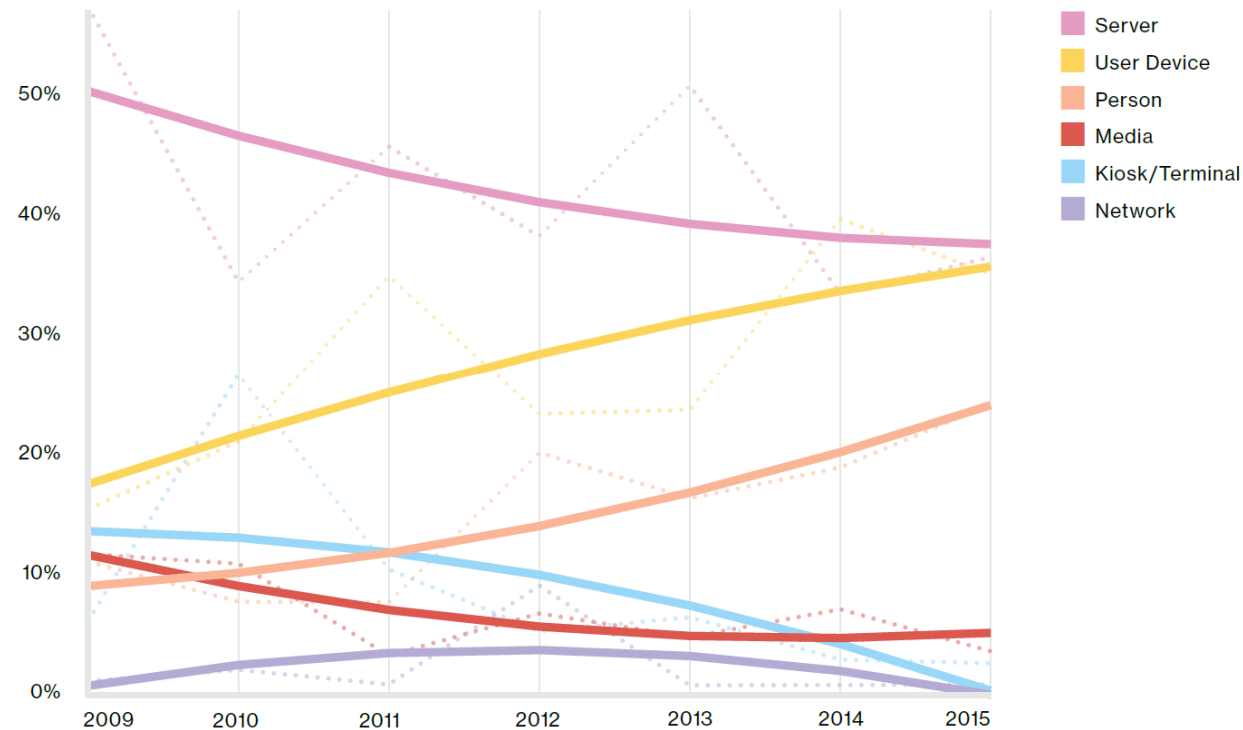
What is at risk

Adversaries – motivations and incentives

	HACKTIVISM	CRIME	INSIDER	ESPIONAGE	TERRORISM	WARFARE
THREATS						
ACTIONS	Hackers might use computer network exploitation to advance their political or social causes.	Individuals and sophisticated criminal enterprises steal personal information and extort victims for financial gain.	Insider threat actors typically steal proprietary information for personal, financial, or ideological reasons.	Nation-state actors might conduct computer intrusions to steal sensitive state secrets and proprietary information from private companies.	Terrorist groups might seek to sabotage the computer systems that operate our critical infrastructure.	Nation-state actors might attempt to sabotage military and critical infrastructure systems to gain an advantage in the event of conflict.

Global Industry trends

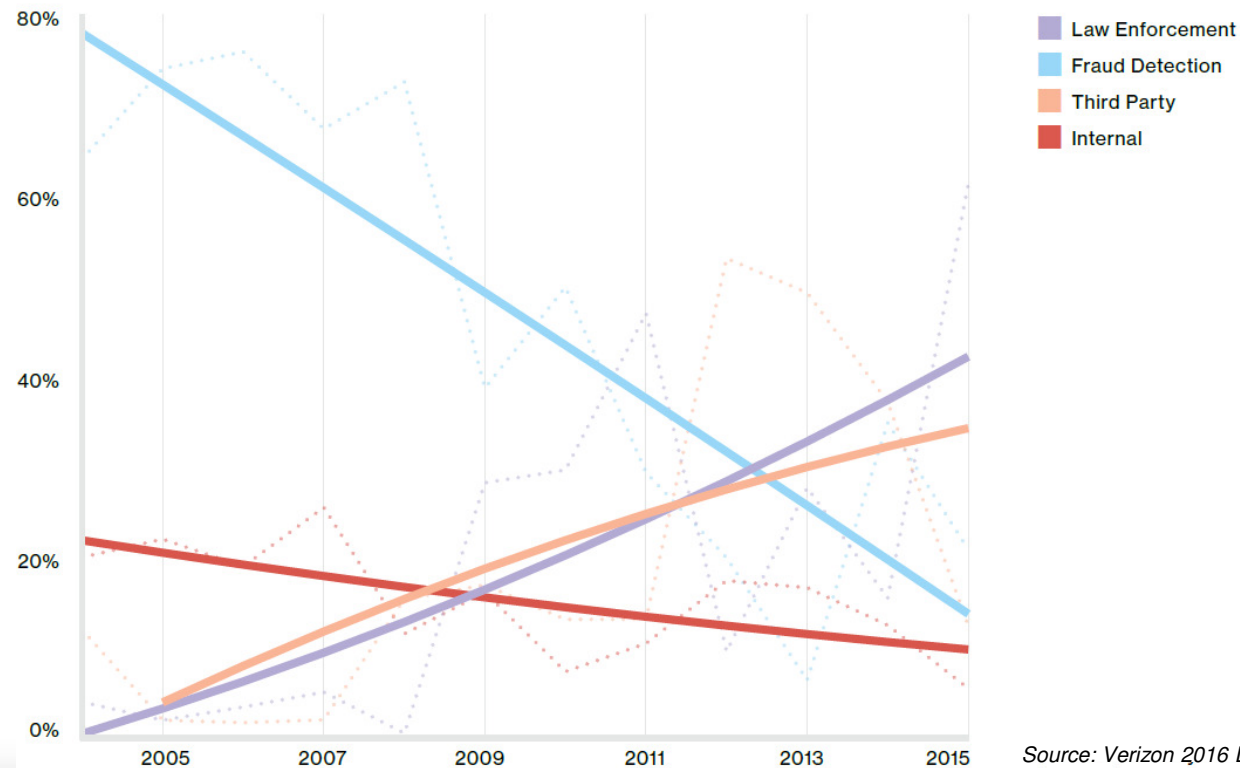
Cyber attacks on user devices & persons are rising



Source: Verizon 2016 Data Breach Investigations Report

Global Industry trends

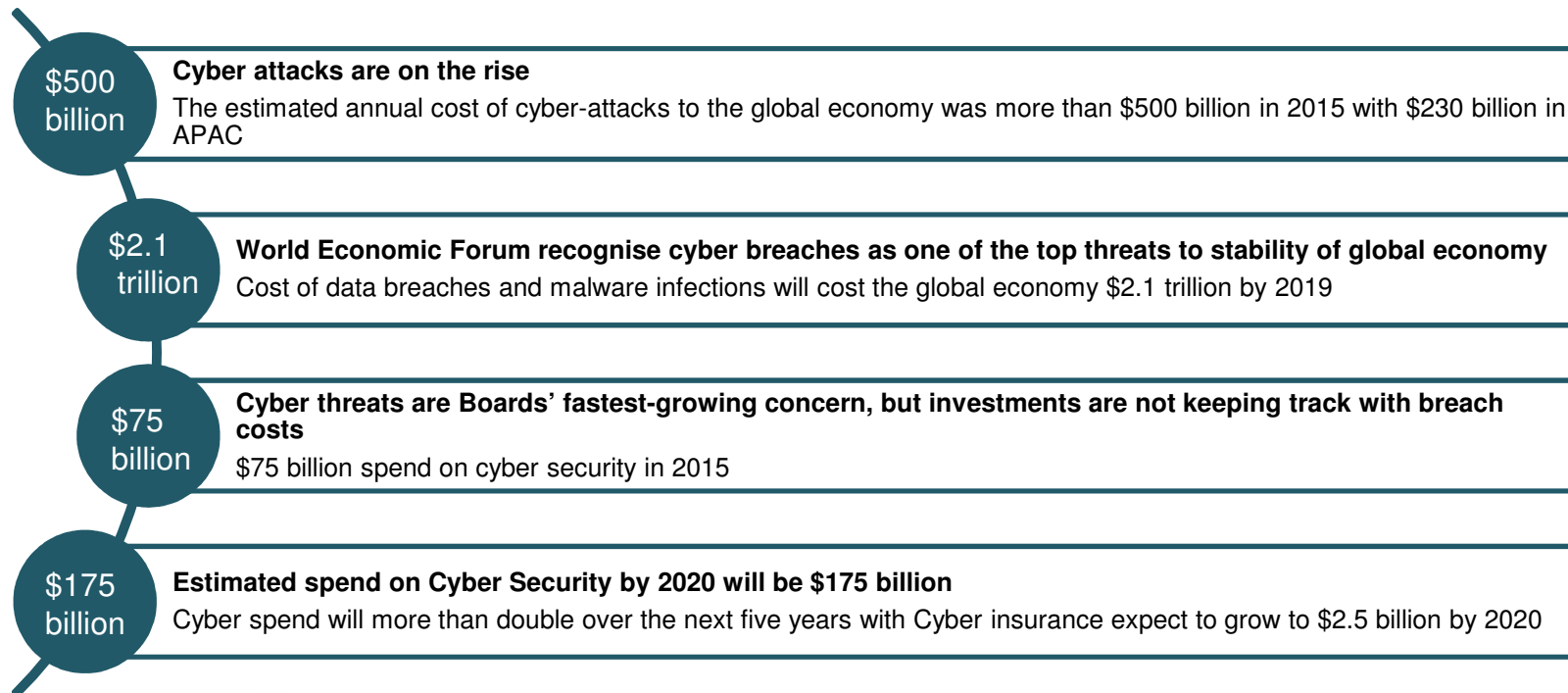
Breach discovery methods are changing



Source: Verizon 2016 Data Breach Investigations Report

Global Industry trends

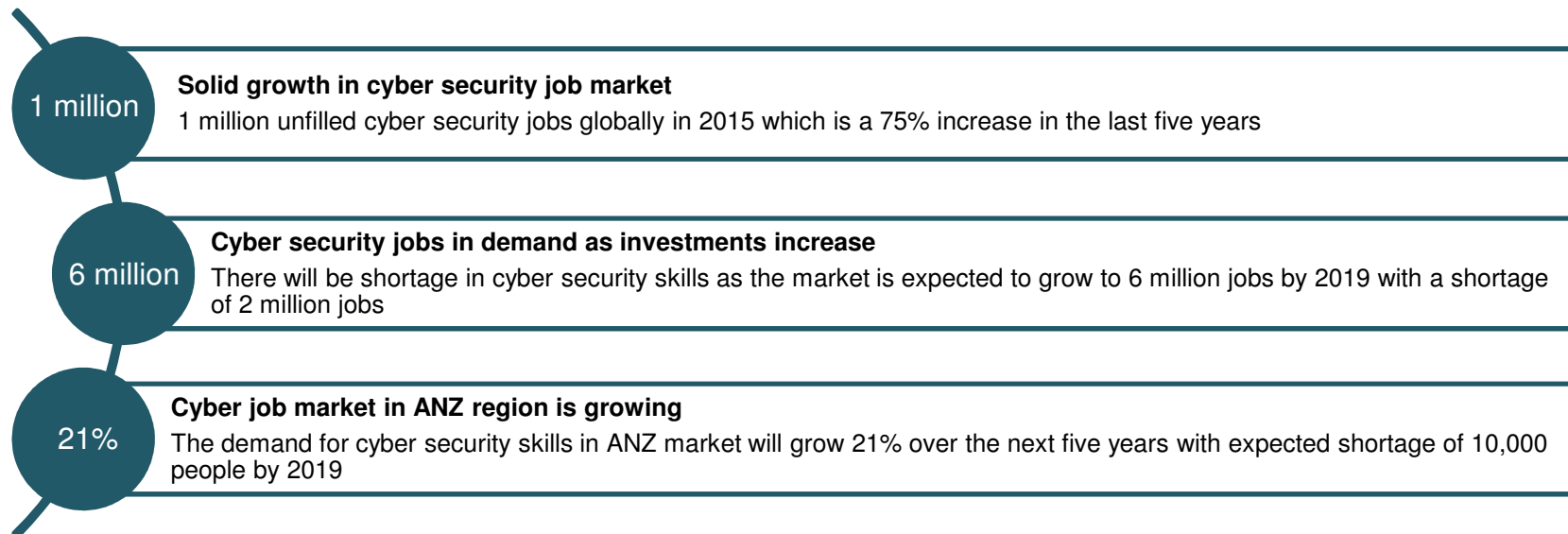
Breaches are on the rise but industry spend has not kept track



Source: Forbes

CYBER SECURITY

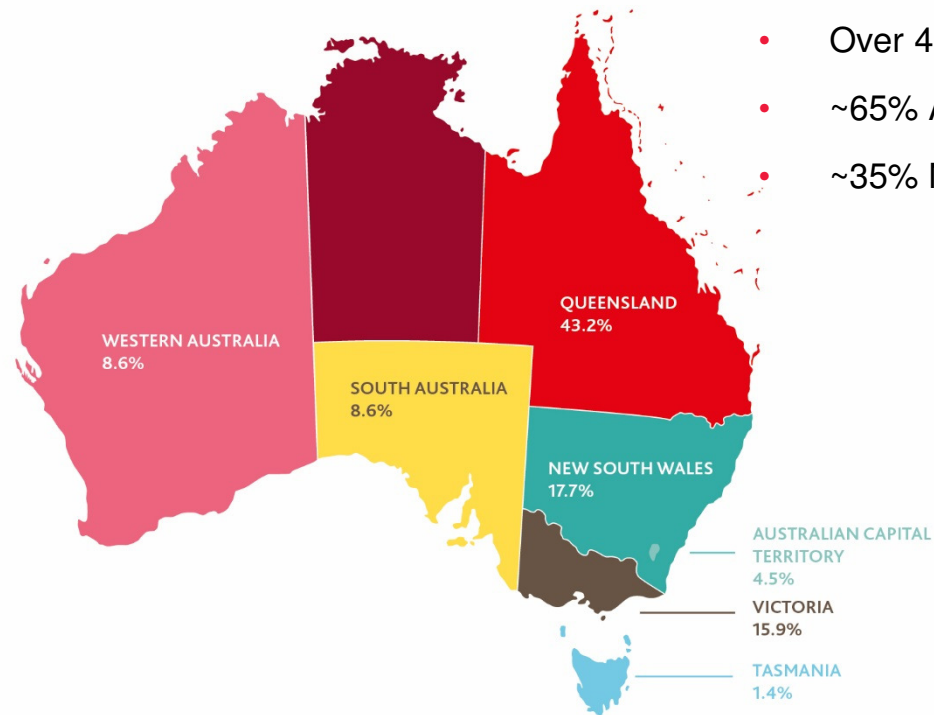
Overview



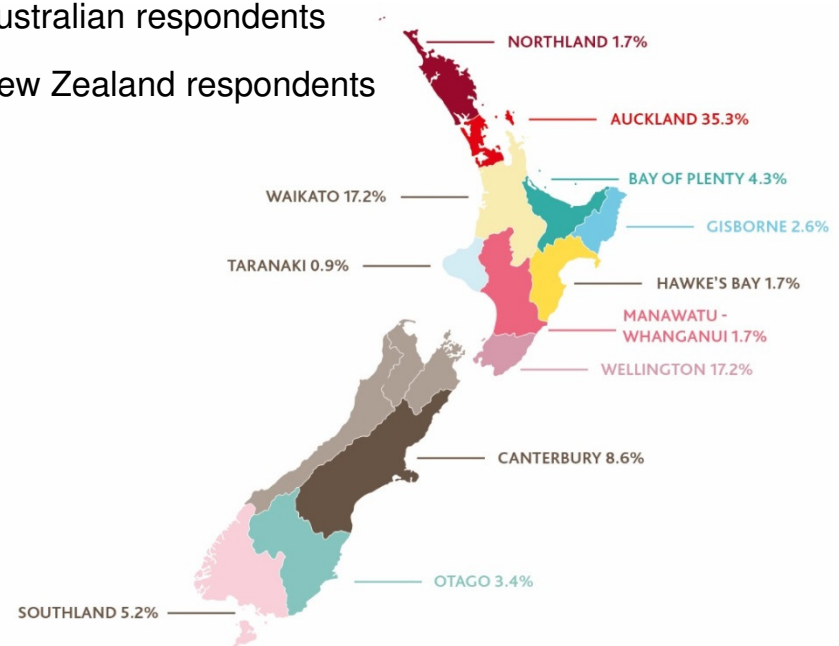
Source: Forbes

BDO / AusCERT Cyber Survey

Australian Respondents

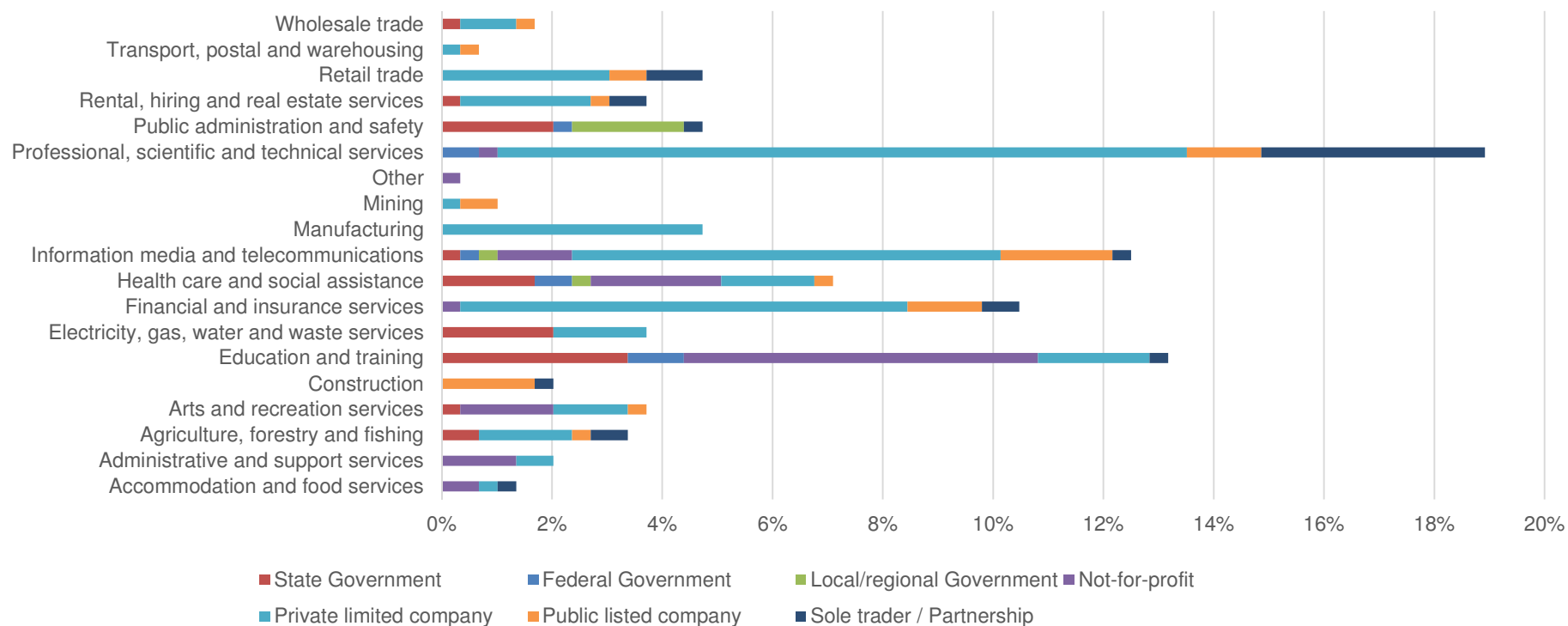


- Over 400 respondents
- ~65% Australian respondents
- ~35% New Zealand respondents



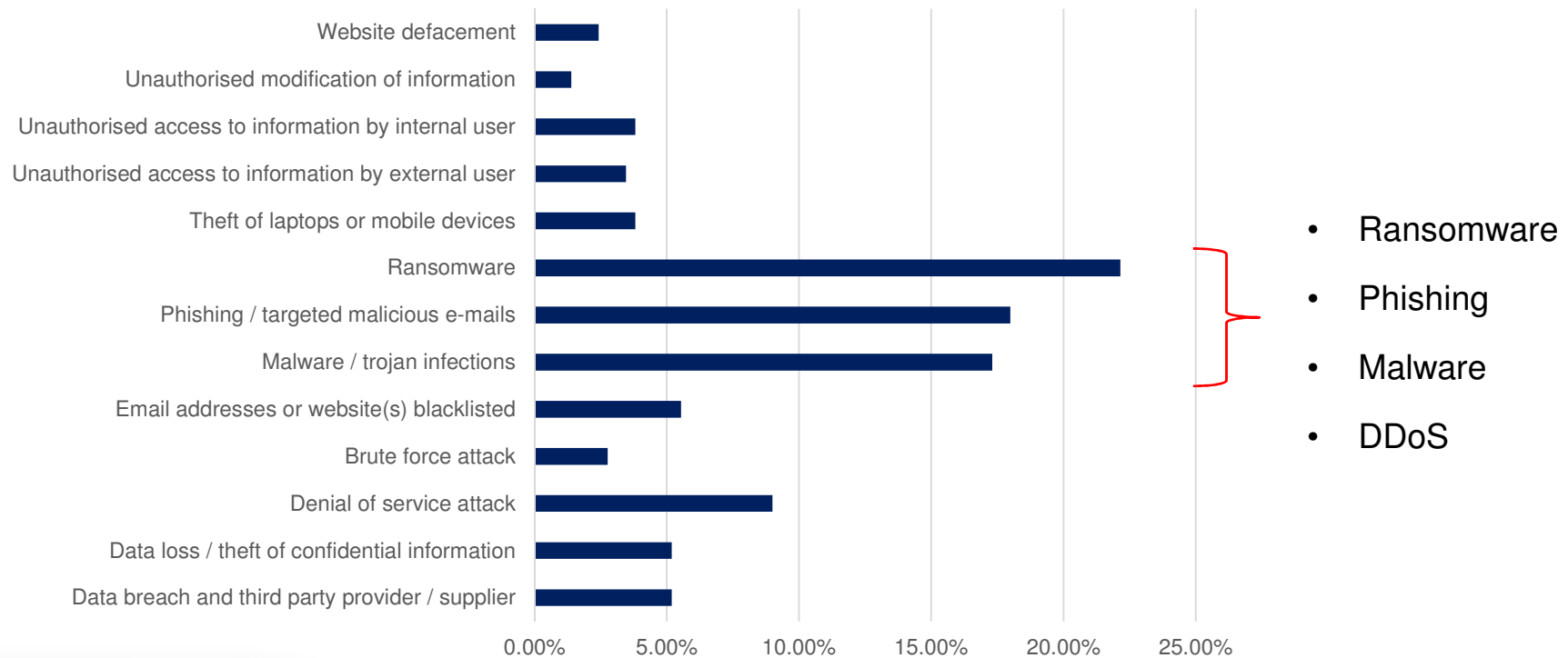
BDO / AusCERT Cyber Survey

Primary industry of all respondents



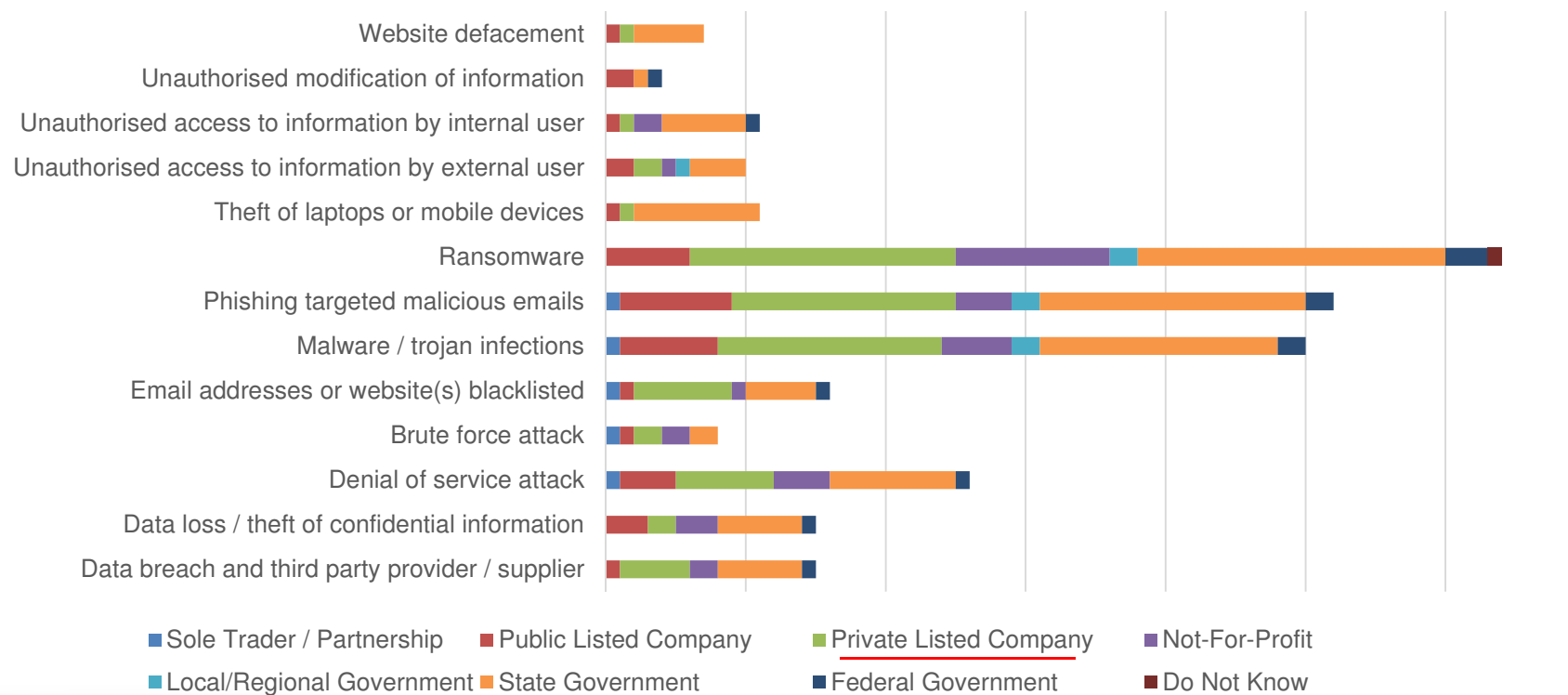
BDO / AusCERT Cyber Survey

Cyber security incidents experienced in 2016



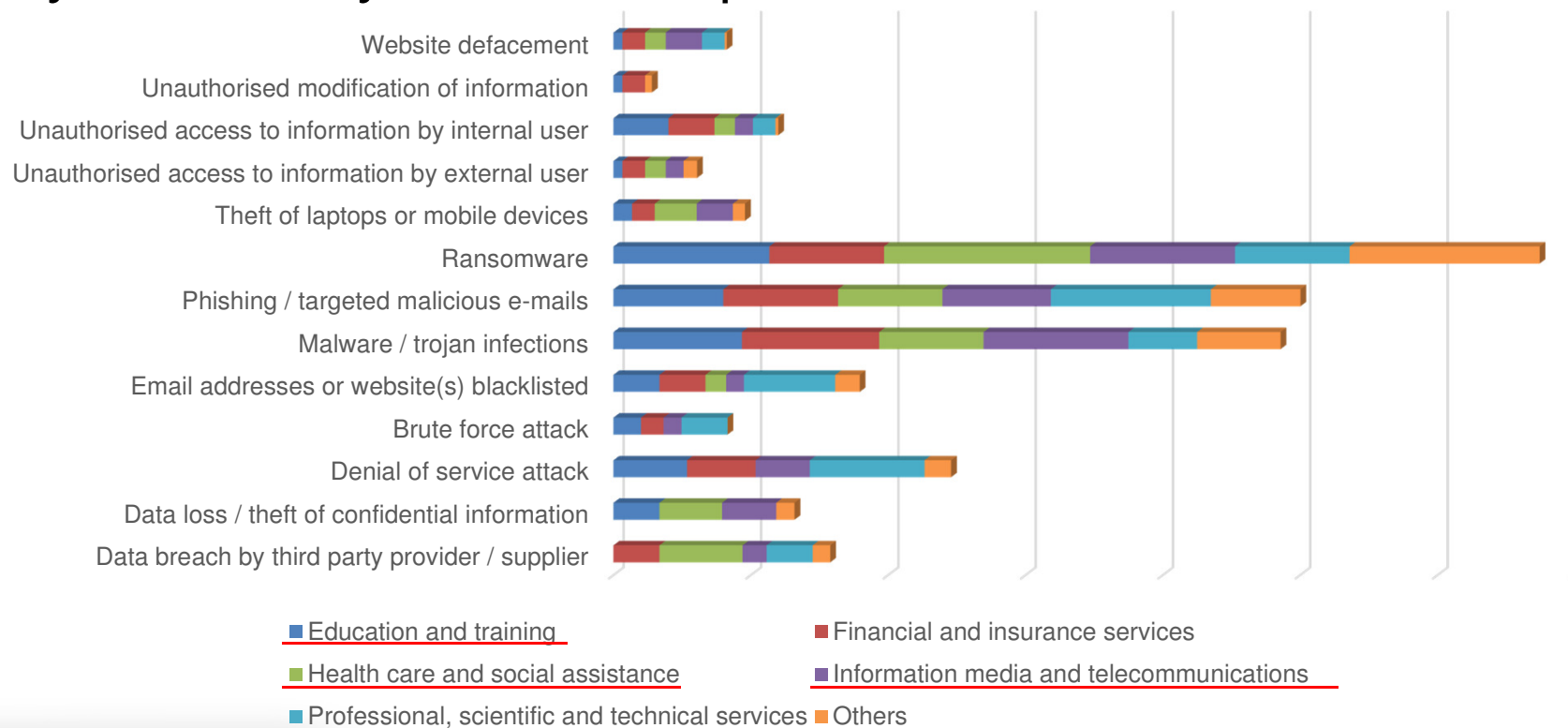
BDO / AusCERT Cyber Survey

Cyber security incidents experienced in 2016



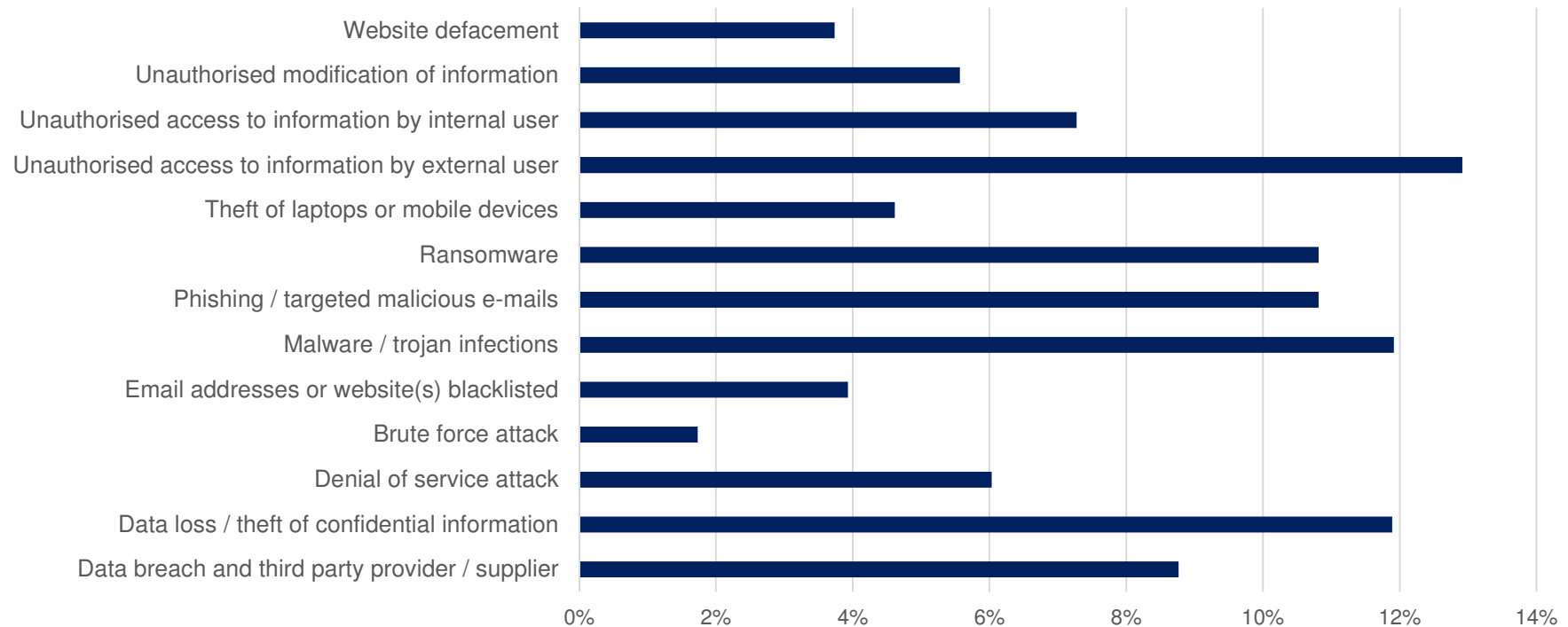
BDO / AusCERT Cyber Survey

Cyber security incidents experienced in 2016



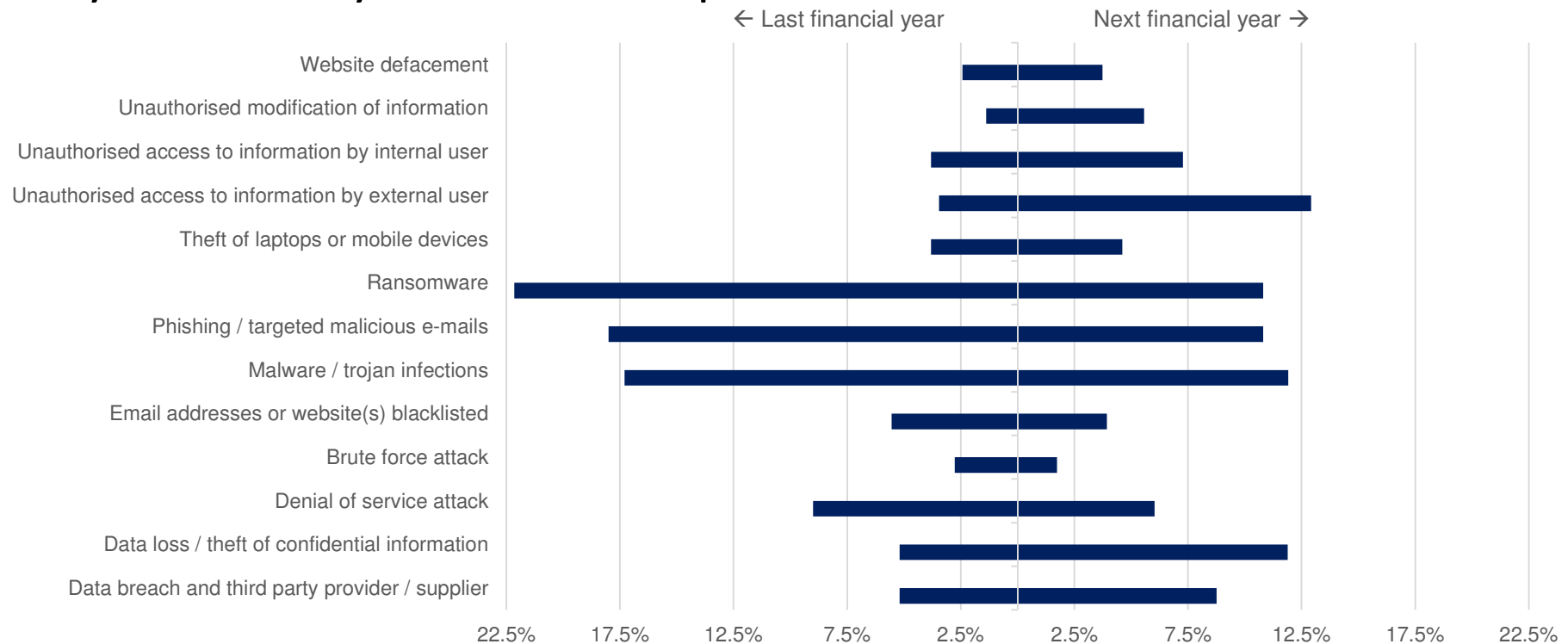
BDO / AusCERT Cyber Survey

Cyber security incidents expected in 2017



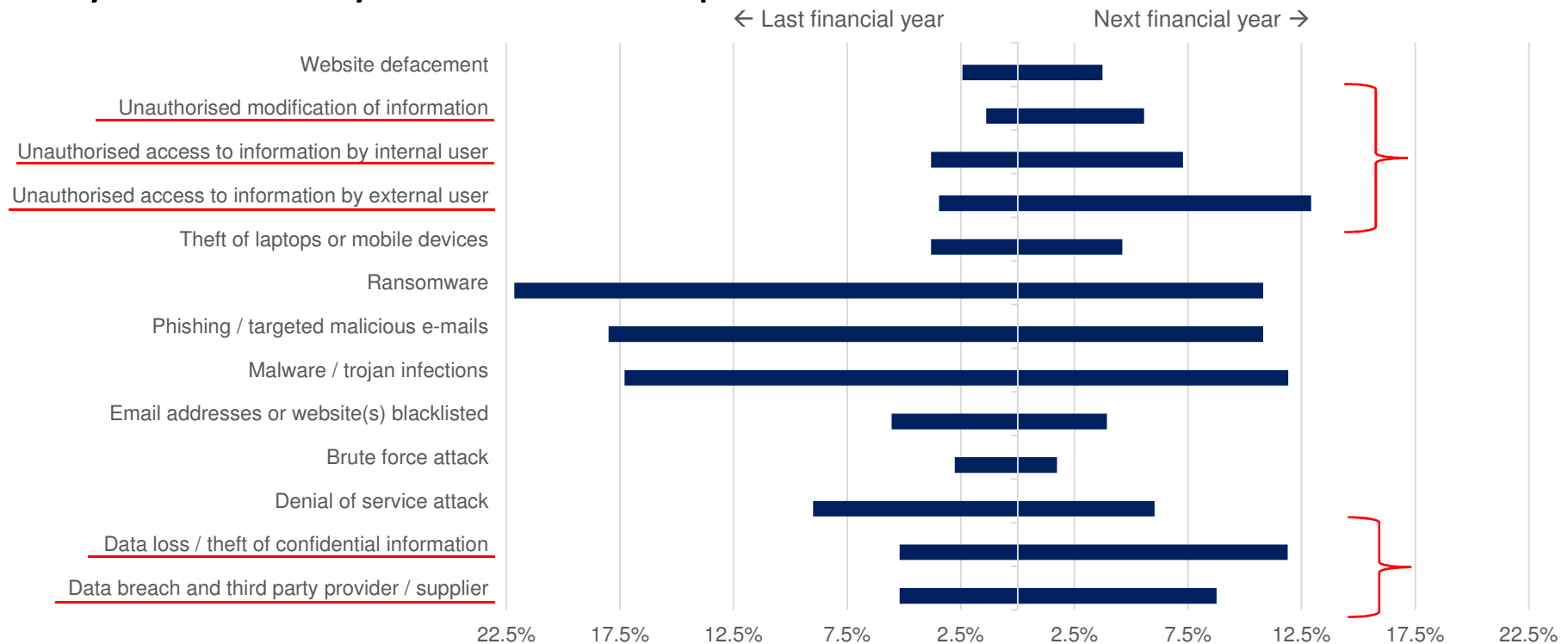
BDO / AusCERT Cyber Survey

Cyber security incidents comparison



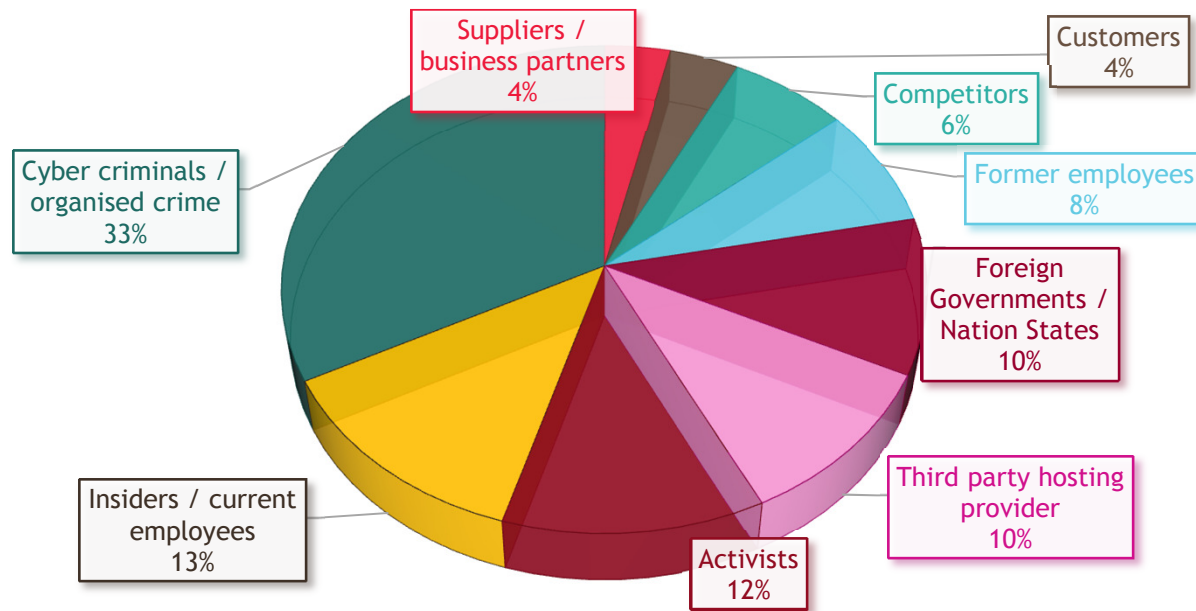
BDO / AusCERT Cyber Survey

Cyber security incidents comparison



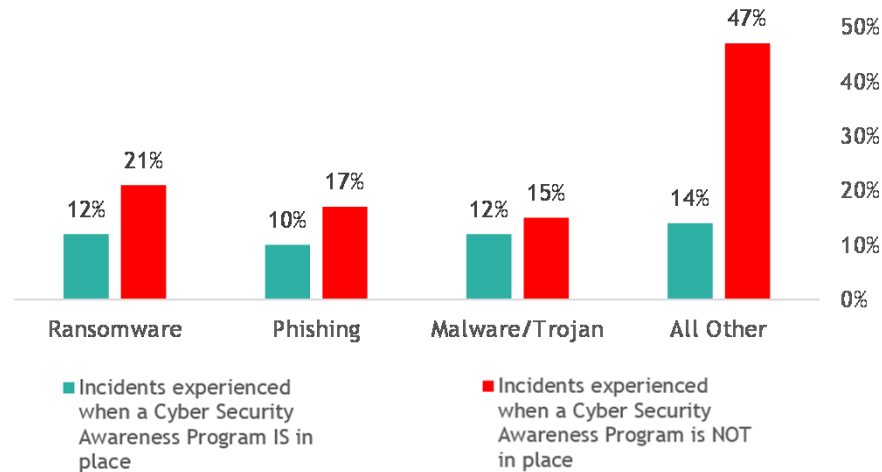
BDO / AusCERT Cyber Survey

Likely source of Cyber security Incidents



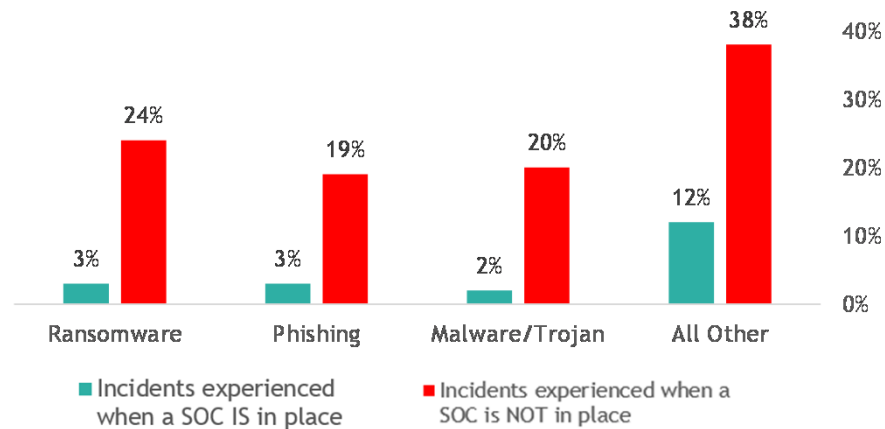
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Cyber security awareness programs reduce incidents overall



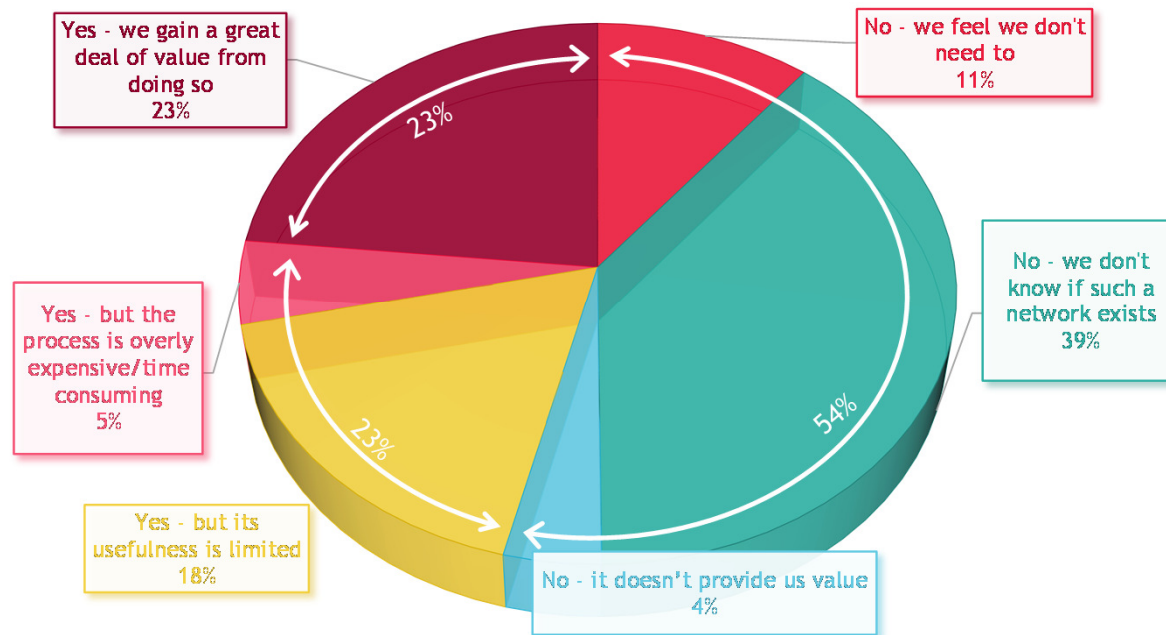
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Security Operations Centres reduce incidents by ~80%



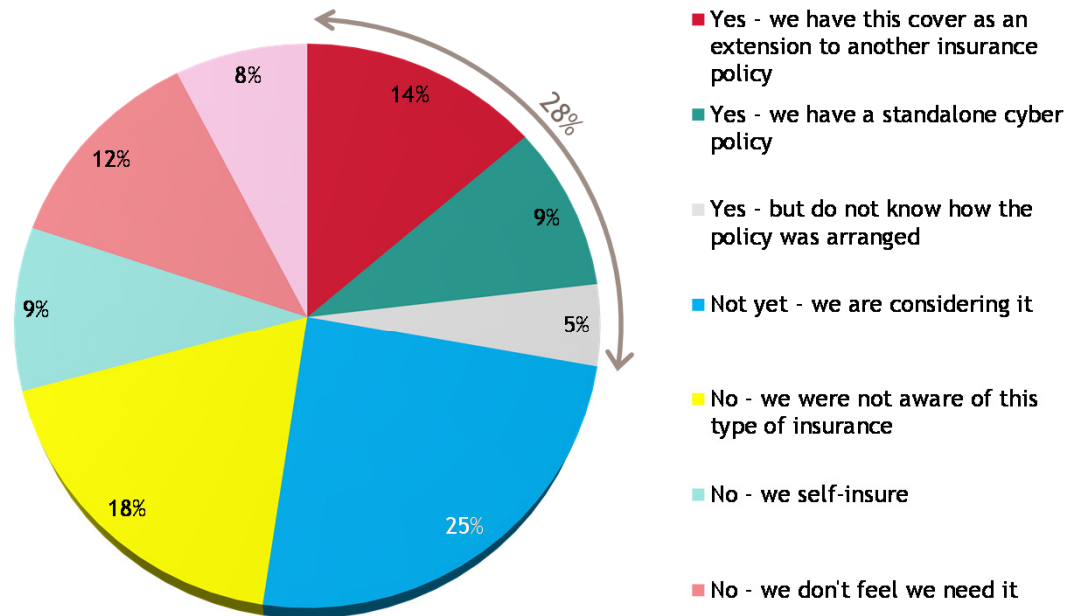
BDO / AusCERT Cyber Survey

Usage of intelligence sharing networks

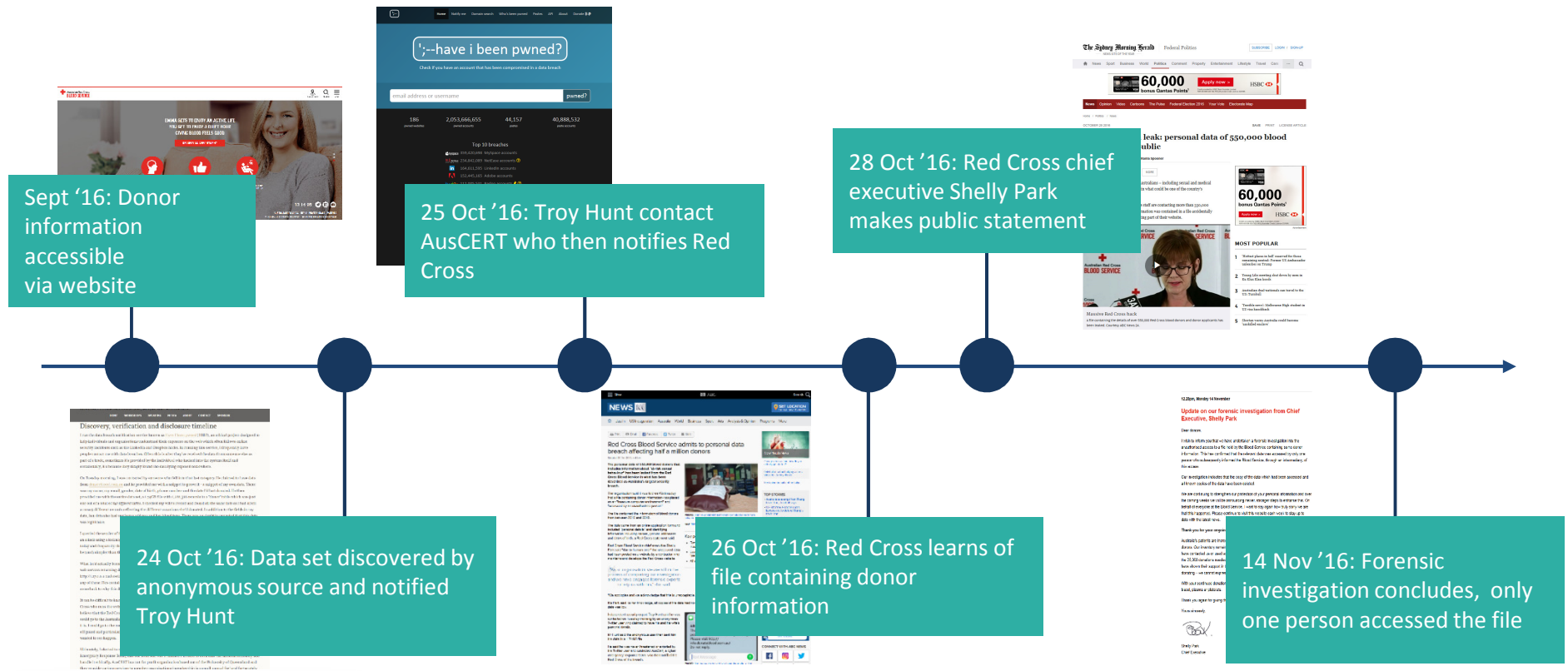


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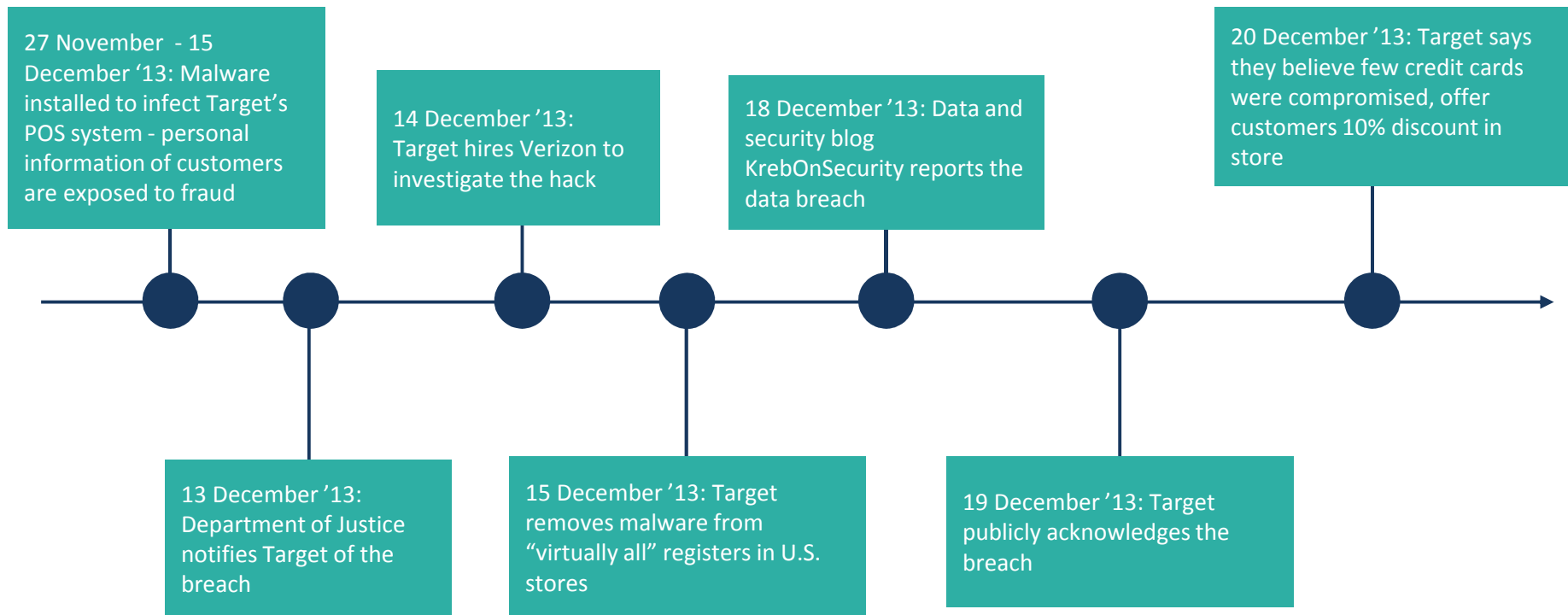
Only 28% of respondents have cyber insurance cover



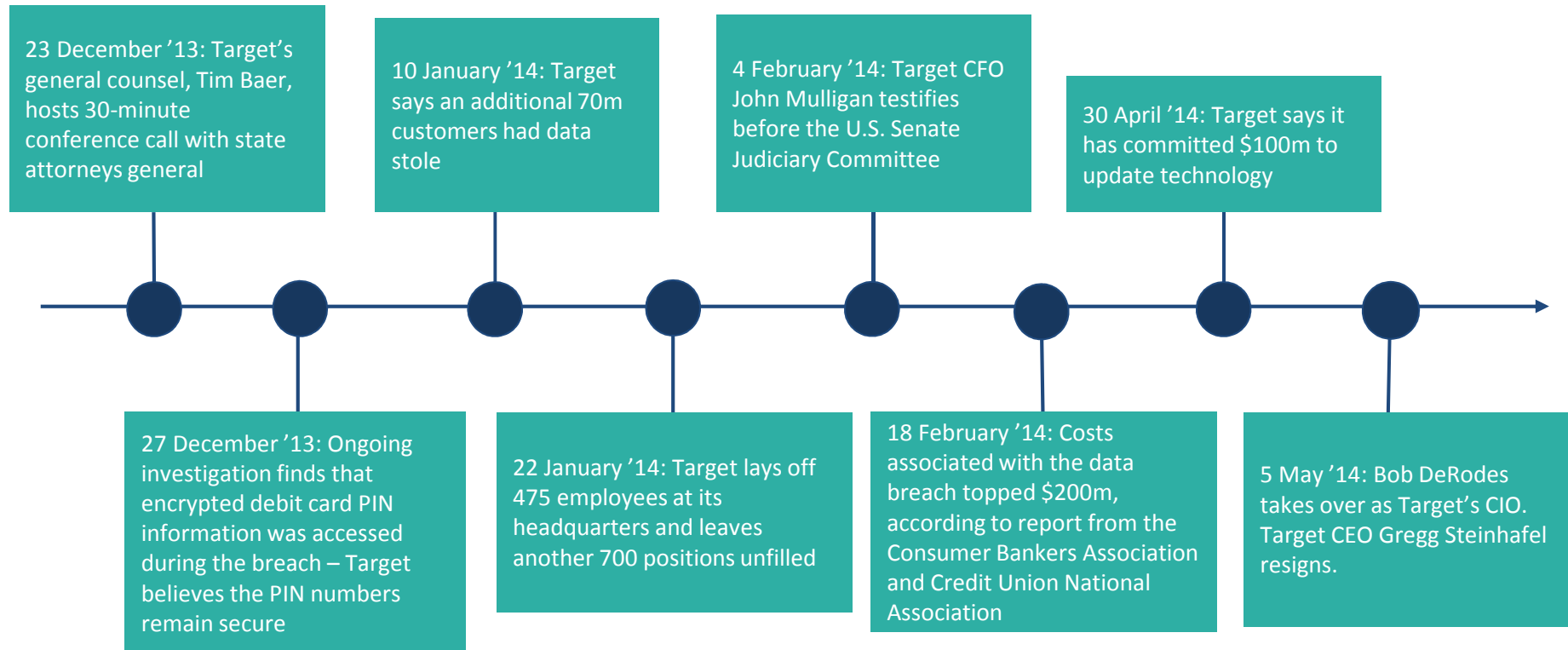
Data Breach case study – Red Cross



Data Breach case study – Target



Data Breach case study – Target



Cyber Risk mitigation strategies

How you can become more cyber resilient

- Know the value of your data / assets
- Know where your data / assets are
- Know who has access to it
- Know who is responsible for protecting it
- Know how well it is protected
- Know if the level of protection is within your risk appetite
- Know what to do when you are breached



Questions

Need more information?

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Download survey report:

<http://bdoaus.co/2gJ5aQu>

