



Singapore Cybersecurity Health Report

2023



01 / About the Singapore Cybersecurity Health Report

02 / How organisations can use this report

How organisations can use this report

03 / Key findings

- **Key cybersecurity incidents** that organisations are vulnerable to
- **Business impact** of cybersecurity incidents
- **Cybersecurity posture** - How organisations manage their cybersecurity

04 / Call to action

Actionable steps for organisations to improve cybersecurity health

About the Singapore Cybersecurity Health Report



ORGANISATIONS

> 2000

organisations involved



Representation across small, medium and large organisations



Coverage of **Businesses**

23

Industry Sectors

7

ITM Clusters

83%

≥ 10 years in operation

Respondent profile
**C-level
Director
Lead/Manager**



SURVEY PERIOD

May - August 2023

Survey was conducted over a period of **3 months**



Coverage of **Non-Profit Organisations**

> 7

Charities Sectors

With & without IPC Status

90%

≥ 10 years in operation

Respondent profile
**Senior management
Director
Lead/Manager**



How organisations can benefit from this report



Threat Landscape

Identify common cybersecurity incidents that organisations could be vulnerable to



Business Impact

Understand business impact of cybersecurity incidents



Cybersecurity

Manage key risks as part of cybersecurity



Call to Action

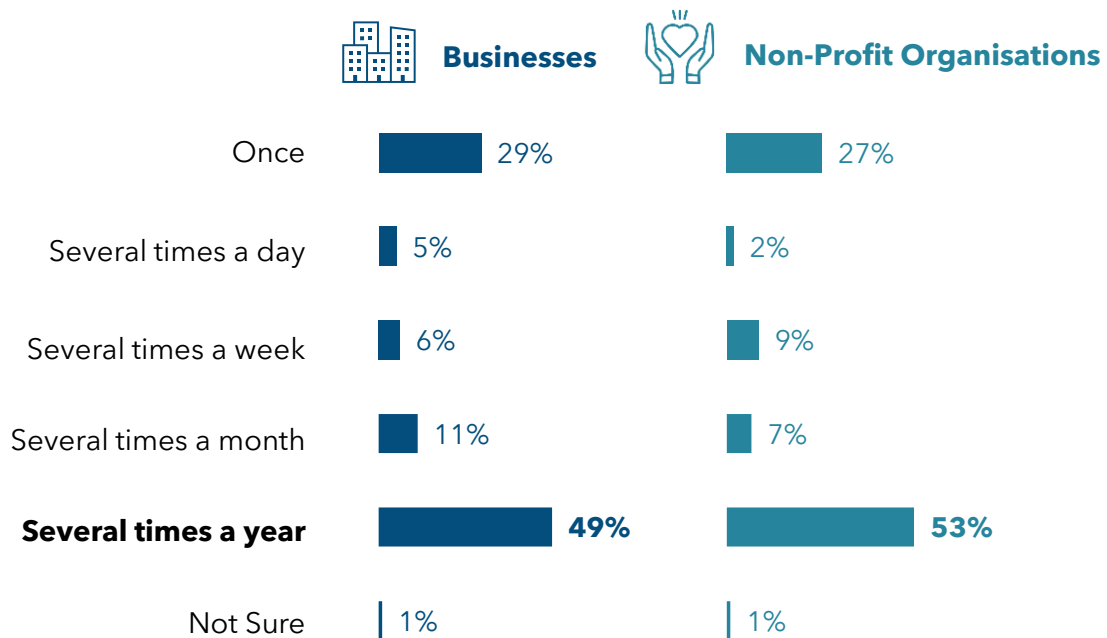
Equip organisations with actionable steps to develop cyber resilience

The cyber threat landscape is seeing increasingly sophisticated threats and more brazen threat actors

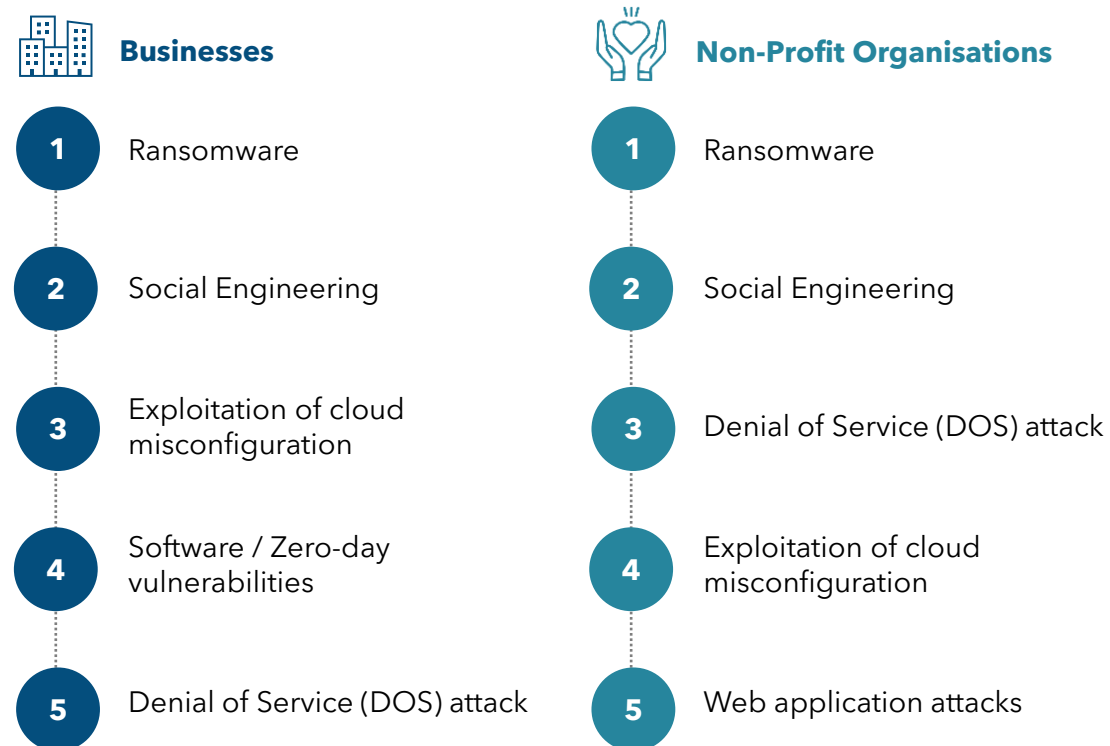


OVER 8 IN 10 organisations have encountered a cybersecurity incident in a year

Frequency of Incidents

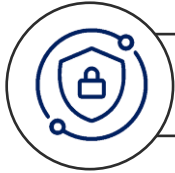


Top 5 Incidents



As organisations go digital, cybersecurity incidents increasingly result in business impact

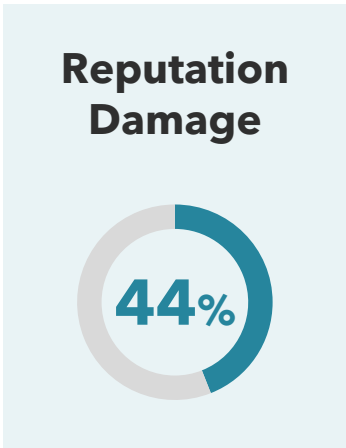
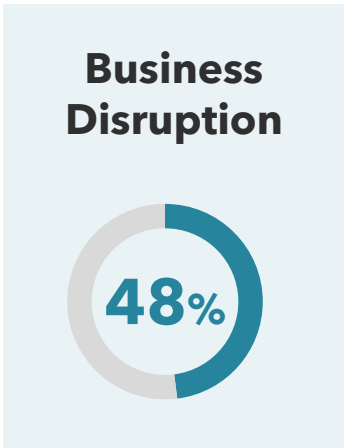
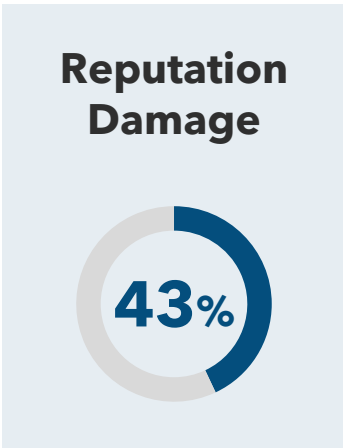
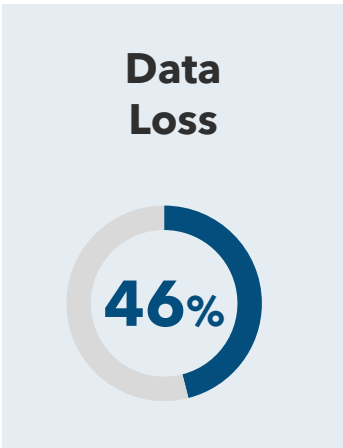
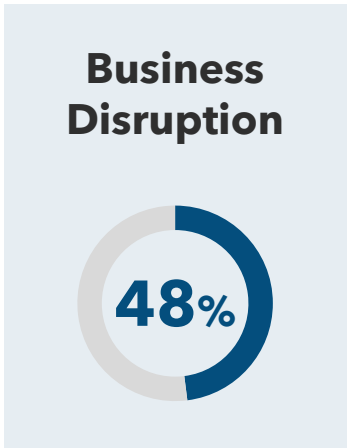
Business Impact



99% of these organisations suffered a business impact

Businesses

Non-Profit Organisations



31%	Financial loss
27%	Incident response cost
26%	Regulatory implications

34%	Financial loss
25%	IP and/or Trade Secret loss
24%	Incident Response cost

On average, organisations adopted about 70% of the essential measures for cybersecurity in each of the 5 categories

Cybersecurity Posture



Assets



Secure/Protect



CYBER ESSENTIALS



Update



Backup



Respond



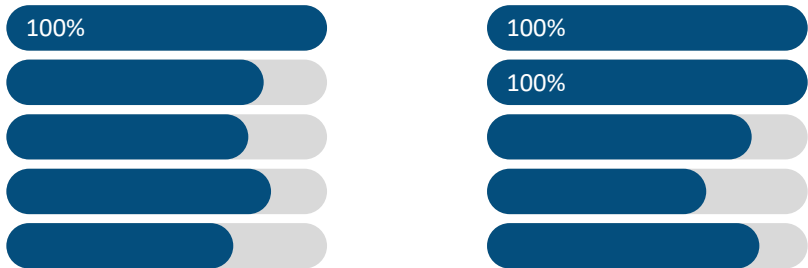
Cyber Essentials is a CSA cyber hygiene certification for organisations. There are 5 categories of measures in Cyber Essentials, each represented by the bar above.

However, adoption of the full package of essential measures is much lower

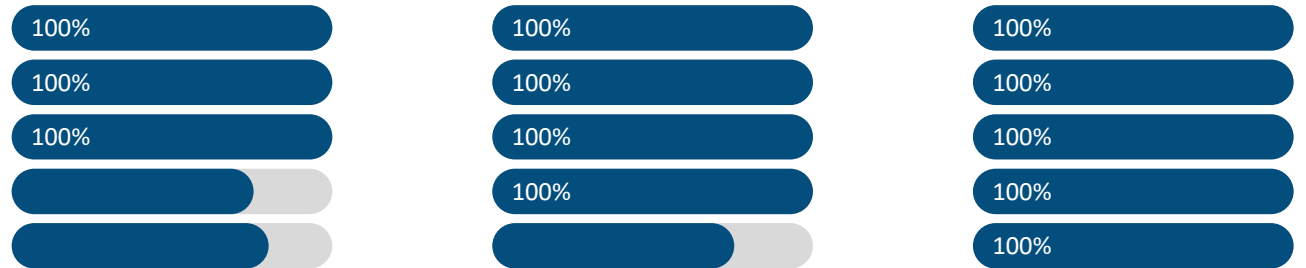


Only 1 IN 3 organisations have implemented 3 OR MORE categories of measures in Cyber Essentials

Cyber Essentials measures fully implemented (2 or less categories)



Cyber Essentials measures fully implemented (3 or more out of 5 categories)



We recognise organisations face challenges in implementing cybersecurity

Cybersecurity Challenges

Challenges in adopting cybersecurity



Businesses

- 59% Lack of knowledge / experience
- 46% Unlikely to be a target of cyber attacks
- 39% Lack of manpower / resources
- 38% Low priority for the organisation
- 36% Low ROI for the business
- 31% Lack of budget
- 20% Lack of senior management support
- 7% None



Non-Profit Organisations

- 56% Lack of knowledge / experience
- 49% Unlikely to be a target of cyber attacks
- 44% Low priority for the organisation
- 37% Lack of manpower / resources
- 31% Low ROI for the business
- 27% Lack of budget
- 19% Lack of senior management support
- 11% None

➤➤ A lot more needs to be done - CSA has various initiatives to help you ➤➤

MEASURE YOUR CYBERSECURITY HEALTH INDEX

- Identify your cyber hygiene gaps
 - Know where you are, compared with the industry benchmarks
-

IMPLEMENT CYBER ESSENTIALS

- Equip yourself with good cyber hygiene
 - Stay protected against common cyber attacks
-

IF YOU NEED HELP WITH YOUR CYBERSECURITY IMPLEMENTATION

- Approach the CISO as-a-Service cybersecurity consultants onboarded by CSA
- Funding support available for eligible organisations



CSA SG Cyber Safe programme supports organisations in this journey

<https://www.csa.gov.sg/sgcybersafe>

