

# 33. Canada 70.13

Population 36.2 million
Area (km²) 10.0 million
GDP per capita (\$) 49.6 thousand

33<sup>rd</sup> National Cyber Security Index 8<sup>th</sup> Global Cybersecurity Index 29<sup>th</sup> ICT Development Index

**Networked Readiness Index** 

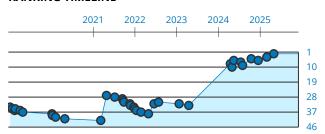
||||||| 70 %

**49.6** thousand

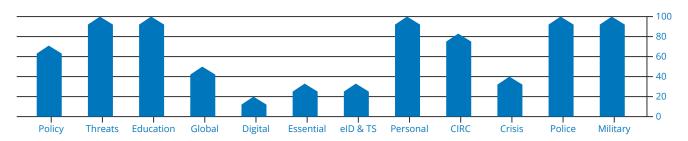
## NCSI DEVELOPMENT TIMELINE



### **RANKING TIMELINE**



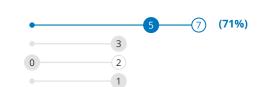
### NCSI FULFILMENT PERCENTAGE



### **GENERAL CYBER SECURITY INDICATORS**

### 1. Cyber security policy development

- 1.1. Cyber security policy unit
- 1.2. Cyber security policy coordination format
- 1.3. Cyber security strategy
- 1.4. Cyber security strategy implementation plan



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# 2. Cyber threat analysis and information

- 2.1. Cyber threats analysis unit
- 2.2. Public cyber threat reports are published annually
- 2.3. Cyber safety and security website



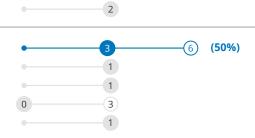
# 3. Education and professional development (100%)

- 3.1. Cyber safety competencies in primary or secondary education
- 3.2. Bachelor's level cyber security programme
- 3.3. Master's level cyber security programme
- 3.4. PhD level cyber security programme
- 3.5. Cyber security professional association

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### 4. Contribution to global cyber security

- 4.1. Convention on Cybercrime
- 4.2. Representation in international cooperation formats
- 4.3. International cyber security organisation hosted by the country
- 4.4. Cyber security capacity building for other countries



### **BASELINE CYBER SECURITY INDICATORS**

#### 5. Protection of digital services (20%) 0 (1) 5.1. Cyber security responsibility for digital service providers 5.2. Cyber security standard for the public sector 1 5.3. Competent supervisory authority 0 3 6. Protection of essential services (33%)6.1. Operators of essential services are identified 1 6.2. Cyber security requirements for operators of essential services 1 6.3. Competent supervisory authority 0 3 6.4. Regular monitoring of security measures 0 (1) 7. E-identification and trust services (33%)7.1. Unique persistent identifier 1 0 7.2. Requirements for cryptosystems 1 7.3. Electronic identification 0 1 7.4. Electronic signature 1 7.5. Timestamping 1 7.6. Electronic registered delivery service 0 1 7.7. Competent supervisory authority 0 3 (100%) 8. Protection of personal data 8.1. Personal data protection legislation 1 8.2. Personal data protection authority 3 INCIDENT AND CRISIS MANAGEMENT INDICATORS 9. Cyber incidents response (83%)9.1. Cyber incidents response unit 3 9.2. Reporting responsibility 0 1 9.3. Single point of contact for international coordination 2 (40%) 10. Cyber crisis management 10.1. Cyber crisis management plan 1 10.2. National-level cyber crisis management exercise 0 2 10.3. Participation in international cyber crisis exercises 1 10.4. Operational support of volunteers in cyber crises 0 (1) 11. Fight against cybercrime (100%)11.1. Cybercrimes are criminalised 1 11.2. Cybercrime unit 3 11.3. Digital forensics unit 3 11.4. 24/7 contact point for international cybercrime 2 (100%) 12. Military cyber operations 3 12.1. Cyber operations unit 2 12.2. Cyber operations exercise 12.3. Participation in international cyber exercises 1

