

### 78. Botswana 49.17

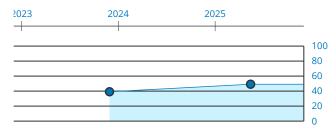
Population 2.5 million

Area (km²) 581.7 thousand

GDP per capita (\$) 20.9 thousand

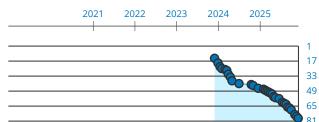
78<sup>th</sup> National Cyber Security Index ||||||||||||| 49 %
N/A Global Cybersecurity Index ||||||||||| 79 %
112<sup>th</sup> E-Government Development Index |||||||||||| 61 %
114<sup>th</sup> Network Readiness Index |||||||||||||| 35 %

#### NCSI DEVELOPMENT TIMELINE

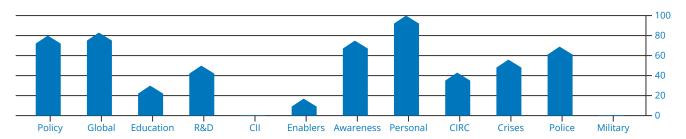




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#### NCSI FULFILMENT PERCENTAGE



#### STRATEGIC CYBERSECURITY INDICATORS

#### 1. CYBERSECURITY POLICY

- 1.1. High-level cybersecurity leadership
- 1.2. Cybersecurity policy development
- 1.3. Cybersecurity policy coordination
- 1.4. National cybersecurity strategy
- 1.5. National cybersecurity strategy action plan

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#### 2. GLOBAL CYBERSECURITY CONTRIBUTION

- 2.1. Cyber diplomacy engagements
- 2.2. Commitment to international law in cyberspace
- 2.3. Contribution to international capacity building in cybersecurity

# 5 6 (83%) 0 1

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#### 3. EDUCATION AND PROFESSIONAL DEVELOPMENT

- 3.1. Cyber safety competencies in primary education
- 3.2. Cyber safety competencies in secondary education
- 3.3. Undergraduate cybersecurity education
- 3.4. Graduate cybersecurity education
- 3.5. Association of cybersecurity professionals

## 2 0 2 0 2 0 3 1 (30%)

#### 4. CYBERSECURITY RESEARCH AND DEVELOPMENT

- 4.1. Cybersecurity research and development programmes
- 4.2. Cybersecurity doctoral studies



#### PREVENTIVE CYBERSECURITY INDICATORS

5. CYBERSECURITY OF CRITICAL INFORMATION INFRASTRUCTURE	0			(0%)
5.1. Identification of critical information infrastructure	0	3		
5.2. Cybersecurity requirements for operators of critical information	0	3		
infrastructure				
5.3. Cybersecurity requirements for public sector organisations	0	3		
5.4. Competent supervisory authority	0	3		
6. CYBERSECURITY OF DIGITAL ENABLERS	• 2		(12)	(17%)
6.1. Secure electronic identification	0			
6.2. Electronic signature	•	2		
6.3. Trust services	0			
6.4. Supervisory authority for trust services	0			
6.5. Cybersecurity requirements for cloud services	0			
6.6. Supply chain cybersecurity	0			
7. CYBER THREAT ANALYSIS AND AWARENESS RAISING	•		12)	(75%)
7.1. Cyber threat analysis	•	3		
7.2. Public cyber threat reports		3		
7.3. Public cybersecurity awareness resources	•	3		
7.4. Cybersecurity awareness raising coordination	0	3		
8. PROTECTION OF PERSONAL DATA				(100%)
8.1. Personal data protection legislation		2	4	(10070)
8.2. Personal data protection authority		2		
8.2. Personal data protection authority		2		
RESPONSIVE CYBERSECURITY INDICATORS				
9. CYBER INCIDENT RESPONSE	•	6	14	(43%)
9.1. National incident response capacity	•	3		
9.2. Incident reporting obligations	0	3		
9.3. Cyber incident reporting tool	0	2		
9.4. Single point of contact for international cooperation	0	3		
9.5. Participation in international incident response cooperation	•	3		
10. CYBER CRISIS MANAGEMENT	•	5	9	(56%)
10.1. Cyber crisis management plan	0			
10.2. National cyber crisis management exercises	•	3		
10.3. Participation in international cyber crisis exercises	•	2		
10.4. Operational crisis reserve	0	2		
11. FIGHT AGAINST CYBERCRIME	•		16)	(69%)
11.1. Cybercrime offences in national law	•	3		
11.2. Procedural law provisions	•	3		
11.3. Ratification of or accession to the Convention on Cybercrime	0	2		
11.4. Cybercrime investigation capacity	•——	3		
11.5. Digital forensics capacity	•	2		
11.6. 24/7 contact point for international cybercrime	0	3		
12. MILITARY CYBER DEFENCE	0		<u></u>	(0%)
12.1. Military cyber defence capacity	0			- ·
12.2. Military cyber doctrine	0			
12.3. Military cyber defence exercises	0			



NCSI is held and developed by e-Governance Academy Foundation Company code: 90007000

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