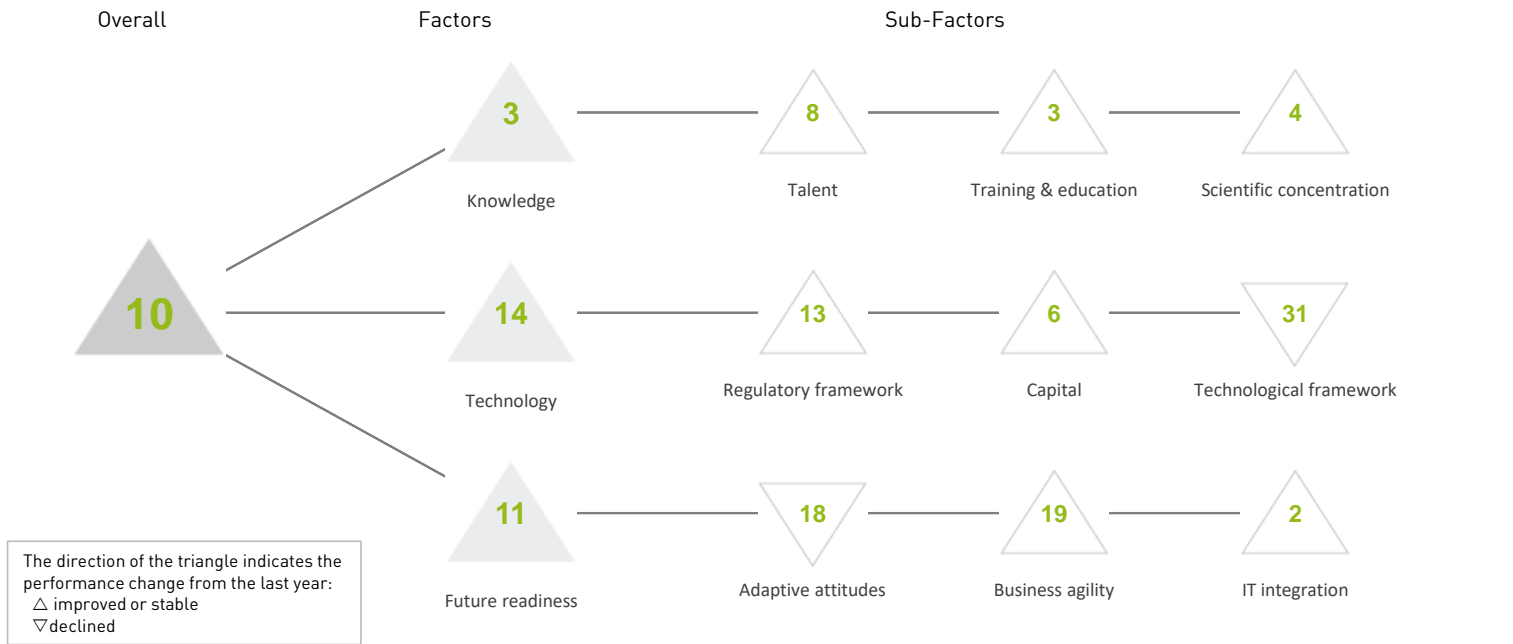


CANADA

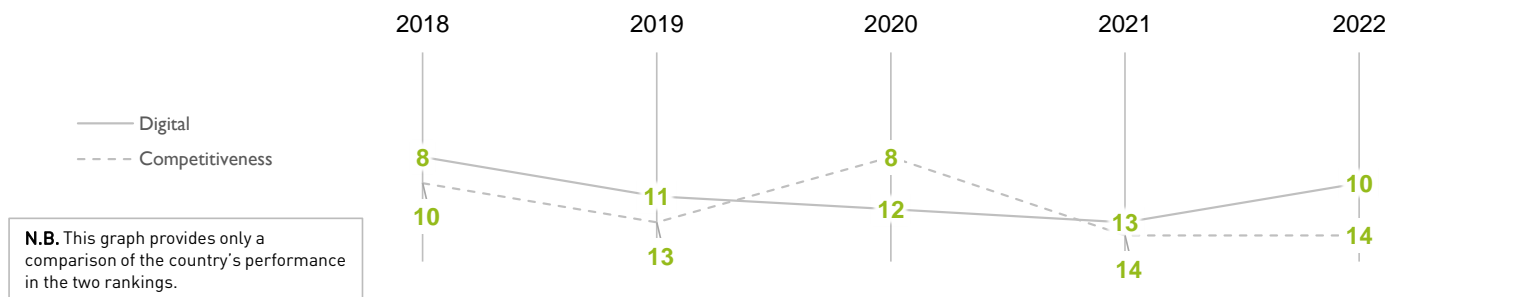
OVERALL PERFORMANCE (63 countries)



OVERALL & FACTORS - 5 years

	2018	2019	2020	2021	2022
OVERALL	08	11	12	13	10
Knowledge	03	05	05	07	03
Technology	12	13	13	15	14
Future readiness	09	18	15	15	11

COMPETITIVENESS & DIGITAL RANKINGS



PEER GROUPS RANKINGS

THE AMERICAS (9 countries)



POPULATIONS > 20 MILLION (27 countries)



CANADA

▶ Overall Top Strengths

▷ Overall Top Weaknesses

KNOWLEDGE

Sub-Factors	2018	2019	2020	2021	2022
Talent	07	13	08	09	08
Training & education	04	07	06	10	03
Scientific concentration	04	02	07	05	04

Talent	Rank	Training & education	Rank	Scientific concentration	Rank
Educational assessment PISA - Math	11	Employee training	10	Total expenditure on R&D (%)	24
International experience	22	▷ Total public expenditure on education	32	Total R&D personnel per capita	22
Foreign highly-skilled personnel	11	Higher education achievement	05	Female researchers	19
Management of cities	19	Pupil-teacher ratio (tertiary education)	08	R&D productivity by publication	10
Digital/Technological skills	14	Graduates in Sciences	28	▶ Scientific and technical employment	01
Net flow of international students	05	▶ Women with degrees	01	High-tech patent grants	14
				Robots in Education and R&D	08

TECHNOLOGY

Sub-Factors	2018	2019	2020	2021	2022
Regulatory framework	11	17	12	13	13
Capital	05	10	03	09	06
Technological framework	24	27	26	29	31

Regulatory framework	Rank	Capital	Rank	Technological framework	Rank
▶ Starting a business	02	IT & media stock market capitalization	19	Communications technology	30
▷ Enforcing contracts	49	Funding for technological development	15	Mobile Broadband subscribers	34
Immigration laws	05	Banking and financial services	13	▷ Wireless broadband	53
Development & application of tech.	12	Country credit rating	10	Internet users	14
Scientific research legislation	08	Venture capital	18	Internet bandwidth speed	18
Intellectual property rights	23	Investment in Telecommunications	11	High-tech exports (%)	28

FUTURE READINESS

Sub-Factors	2018	2019	2020	2021	2022
Adaptive attitudes	15	17	16	17	18
Business agility	04	16	16	20	19
IT integration	12	13	13	14	02

Adaptive attitudes	Rank	Business agility	Rank	IT integration	Rank
E-Participation	16	Opportunities and threats	18	E-Government	26
▶ Internet retailing	04	World robots distribution	13	▶ Public-private partnerships	03
Tablet possession	22	Agility of companies	18	Cyber security	12
▷ Smartphone possession	55	Use of big data and analytics	04	Software piracy	13
Attitudes toward globalization	24	Knowledge transfer	15	Government cyber security capacity	04
		▷ Entrepreneurial fear of failure	47	Privacy protection by law content	15