

Survey on Business Adoption of Digital Technologies Codebook

PROVINCE

		Value
Standard Attributes	Code	Province
	1	BC
	2	AB
	3	SK
	4	MB
	5	ON
	6	QC
Valid Values	7	NB
	8	NL
	9	NS
	10	PE
	11	YT
	12	NT
	13	NU

SIZE_STC

		Value
Standard Attributes	Code	Size of Business - Statistics Canada Categories - Based on Q25
	1	STC Small - Fewer than 20 FTEs
Valid Values	2	STC Medium - 20 to 99 FTEs
	3	STC Large - 100 or more FTEs, and 500 or more FTEs for manufacturing sector (NAICS 31-33)

SIZE_EU

		Value
Standard Attributes	Code	Size of Business - European Standard - Based on Q25
	1	Micro - Fewer than 10 FTEs
Valid Values	2	Small - 10 to 49 FTEs
	3	Medium - 50 to 249 FTEs
	4	Large - 250 or more FTEs

SIZE_10Plus

		Value
Standard Attributes	Code	Size of Business - Ten or fewer FTEs - Based on Q25
Valid Values	0	Fewer than 10 FTEs
	1	10 or more FTEs

SIZE_500Plus

		Value
Standard Attributes	Code	Size of Business - 500 or more FTEs - Based on Q25
Valid Values	0	Fewer than 500 FTEs
	1	500 or more FTEs

ACTUAL_EMPLOYEE_SIZE

		Value
Standard Attributes		Total number of FTEs

EMPLOYEE_SIZE_RANGE

		Value
Standard Attributes		Total number of FTEs

2-digit NAICS

		Value
Standard Attributes		2 digits NAICS code

2-digit NAICS_description_EN

		Value
Standard Attributes		2-digit NAICS Code Description in English

2-digit NAICS_description_FR

		Value
Standard Attributes		2-digit NAICS Code Description in French

internet_connection

		Value
Standard Attributes	Code	Q1. Does your business have an internet connection?
	1	Yes
Valid Values	2	No
	88	Don't Know

type_of_connection_DSL

		Value
Standard Attributes	Code	Q2_1. Please indicate all of the connection types your business uses to access the Internet: Digital Subscriber Line (DSL) over a telephone line (e.g., Bell, Telus, SaskTel)
	0	Not selected
Valid Values	1	Selected

type_of_connection_Cable

		Value
Standard Attributes	Code	Q2_2. Please indicate all of the connection types your business uses to access the Internet: Cable modem (e.g., Rogers, Shaw)
	0	Not selected
Valid Values	1	Selected

type_of_connection_Mobile_Wireless

		Value
Standard Attributes	Code	Q2_3. Please indicate all of the connection types your business uses to access the Internet: Mobile wireless (e.g., 3G or 4G connection)
	0	Not selected
Valid Values	1	Selected

type_of_connection_Satellite

		Value
Standard Attributes	Code	Q2_4. Please indicate all of the connection types your business uses to access the Internet: Satellite (e.g., Xplornet)
	0	Not selected
Valid Values	1	Selected

type_of_connection_Fibre

		Value
Standard Attributes	Code	Q2_5. Please indicate all of the connection types your business uses to access the Internet: Fibre optic line (e.g., T3, metro Ethernet)
Valid Values	0	Not selected
	1	Selected

type_of_connection_Dial-up

		Value
Standard Attributes	Code	Q2_6. Please indicate all of the connection types your business uses to access the Internet: Dial-up over a telephone line
Valid Values	0	Not selected
	1	Selected

type_of_connection_Fixed_Wireless

		Value
Standard Attributes	Code	Q2_7. Please indicate all of the connection types your business uses to access the Internet: Fixed wireless or a portable Wi-Fi hotspot
Valid Values	0	Not selected
	1	Selected

type_of_connection_DK

		Value
Standard Attributes	Code	Q2_88. Please indicate all of the connection types your business uses to access the Internet: Don't know
Valid Values	0	Not selected
	1	Selected

website

		Value
Standard Attributes	Code	Q3. Did your business have a website in 2016?
Valid Values	1	Yes
	2	No
	88	Don't Know

web_feature_ordering

		Value
Standard Attributes	Code	Q4_1. Which of the following features does your internet website offer?: Online ordering, reservation or booking
Valid Values	0	Not selected
	1	Selected

web_feature_payment

		Value
Standard Attributes	Code	Q4_2. Which of the following features does your internet website offer?: Online payment (complete transaction and payment online)
Valid Values	0	Not selected
	1	Selected

web_feature_social_media

		Value
Standard Attributes	Code	Q4_3. Which of the following features does your internet website offer?: Integration with social media (e.g., Facebook, Twitter, Google+)
Valid Values	0	Not selected
	1	Selected

web_feature_mobile_version

		Value
Standard Attributes	Code	Q4_4. Which of the following features does your internet website offer?: A version of the website optimized for mobile users
Valid Values	0	Not selected
	1	Selected

web_feature_other

		Value
Standard Attributes	Code	Q4_5. Which of the following features does your internet website offer?: None of the above
Valid Values	0	Not selected
	1	Selected

web_feature_DK

		Value
Standard Attributes	Code	Q4_88. Which of the following features does your internet website offer: Don't know
Valid Values	0	Not selected
	1	Selected

online_presence

		Value
Standard Attributes	Code	Q5. Did your business have an online presence in 2016 (e.g., Facebook, eBay)?
Valid Values	1	Yes
	2	No
	88	Don't Know

3rd_party_online_services

		Value
Standard Attributes	Code	Q6. Does your company's online presence use any online services by a 3rd party e-marketplace supplier (e.g., Amazon, Shopify).
Valid Values	1	Yes
	2	No
	88	Don't Know

online_sales

		Value
Standard Attributes	Code	Q7. Did your business make sales of goods or services via the Internet?
Valid Values	1	Yes
	2	No
	88	Don't Know

online_sales_tracking

		Value
Standard Attributes	Code	Q8_1. Did your business track internet sales separately from other sales?
Valid Values	1	Yes
	2	No
	88	Don't Know

online_sales_percentage

		Value
Standard Attributes		Q8_2. If your business tracks internet sales separately from other sales, what percentage of your total sales was conducted over the internet in 2016?

online_sales_majority

		Value
Standard Attributes	Code	Q9. Would the majority of your internet sales be domestic or international?
	1	Domestic
Valid Values	2	International
	3	Don't know

online_purchase

		Value
Standard Attributes	Code	Q10. Did your business make purchases of goods or services via the internet during 2016?
	1	Yes
Valid Values	2	No
	88	Don't Know

e-government_information

		Value
Standard Attributes	Code	Q11_1. Does your business engage in the following online interactions with Canadian local, provincial, or federal governments?: Obtain information or documents from governments
	0	Not selected
Valid Values	1	Selected

e-government_benefits

		Value
Standard Attributes	Code	Q11_2. Does your business engage in the following online interactions with Canadian local, provincial, or federal governments?: Apply for grants, contributions or benefits
	0	Not selected
Valid Values	1	Selected

e-government_tax

		Value
Standard Attributes	Code	Q11_3. Does your business engage in the following online interactions with Canadian local, provincial, or federal governments?: Complete or return taxation forms (e.g., GST, employment (T4), year and tax (T2))
Valid Values	0	Not selected
	1	Selected

e-government_payments

		Value
Standard Attributes	Code	Q11_4. Does your business engage in the following online interactions with Canadian local, provincial, or federal governments?: Online payments to government organizations
Valid Values	0	Not selected
	1	Selected

e-government_patent

		Value
Standard Attributes	Code	Q11_5. Does your business engage in the following online interactions with Canadian local, provincial, or federal governments?: File a patent or other intellectual property application (e.g., CIPO, USPTO)
Valid Values	0	Not selected
	1	Selected

e-government_register_business

		Value
Standard Attributes	Code	Q11_6. Does your business engage in the following online interactions with Canadian local, provincial, or federal governments?: Register a business
Valid Values	0	Not selected
	1	Selected

e-government_other

		Value
Standard Attributes	Code	Q11_7. Does your business engage in the following online interactions with Canadian local, provincial, or federal governments?: None of the above
Valid Values	0	Not selected
	1	Selected

e-government_DK

		Value
Standard Attributes	Code	Q11_88. Does your business engage in the following online interactions with Canadian local, provincial, or federal governments?: Don't know
Valid Values	0	Not selected
	1	Selected

e-government_barrier_security

		Value
Standard Attributes	Code	Q12_1. What barriers do you face in interacting electronically with Canadian local, provincial, or federal governments?: Security concerns (e.g., privacy, confidentiality)
Valid Values	0	Not selected
	1	Selected

e-government_barrier_complexity

		Value
Standard Attributes	Code	Q12_2. What barriers do you face in interacting electronically with Canadian local, provincial, or federal governments?: Complex processes (e.g., multiple forms)
Valid Values	0	Not selected
	1	Selected

e-government_barrier_ease_of_use

		Value
Standard Attributes	Code	Q12_3. What barriers do you face in interacting electronically with Canadian local, provincial, or federal governments?: Ease of use (e.g., user friendly, organized)
Valid Values	0	Not selected
	1	Selected

e-government_barrier_unavailability

		Value
Standard Attributes	Code	Q12_4. What barriers do you face in interacting electronically with Canadian local, provincial, or federal governments?: Lack of information on electronic services available
Valid Values	0	Not selected
	1	Selected

e-government_barrier_connection

		Value
Standard Attributes	Code	Q12_5. What barriers do you face in interacting electronically with Canadian local, provincial, or federal governments?: Unreliable and slow internet connection
Valid Values	0	Not selected
	1	Selected

e-government_barrier_communication

		Value
Standard Attributes	Code	Q12_6. What barriers do you face in interacting electronically with Canadian local, provincial, or federal governments?: More difficult to communicate electronically than face to face/over the phone.
Valid Values	0	Not selected
	1	Selected

e-government_barrier_information_outdated

		Value
Standard Attributes	Code	Q12_7. What barriers do you face in interacting electronically with Canadian local, provincial, or federal governments?: Missing information, or information not up to date
Valid Values	0	Not selected
	1	Selected

e-government_barrier_incompatibility

		Value
Standard Attributes	Code	Q12_8. What barriers do you face in interacting electronically with Canadian local, provincial, or federal governments?: Firm's technology is out of date/Incompatible with government systems.
Valid Values	0	Not selected
	1	Selected

e-government_barrier_website_outdated

		Value
Standard Attributes	Code	Q12_9. What barriers do you face in interacting electronically with Canadian local, provincial, or federal governments?: Government website/technology is out of date
Valid Values	0	Not selected
	1	Selected

e-government_barrier_knowledge

		Value
Standard Attributes	Code	Q12_10. What barriers do you face in interacting electronically with Canadian local, provincial, or federal governments?: Lack of knowledge/do not understand technology/difficult to keep up
Valid Values	0	Not selected
	1	Selected

e-government_barrier_other

		Value
Standard Attributes	Code	Q12_11. What barriers do you face in interacting electronically with Canadian local, provincial, or federal governments?: Other
Valid Values	0	Not selected
	1	Selected

e-government_barrier_none

		Value
Standard Attributes	Code	Q12_12. What barriers do you face in interacting electronically with Canadian local, provincial, or federal governments?: No barriers
Valid Values	0	Not selected
	1	Selected

e-government_barrier_DK

		Value
Standard Attributes	Code	Q12_88. What barriers do you face in interacting electronically with Canadian local, provincial, or federal governments?: Don't know
Valid Values	0	Not selected
	1	Selected

ICT_cloud

		Value
Standard Attributes	Code	Q13_1. Did your business use any of the following ICTs in 2016?: Cloud Computing ICT services that are used over the internet to access software, computing power, storage capacity, etc.
Valid Values	0	Not selected
	1	Selected

ICT_data_analytics

		Value
Standard Attributes	Code	Q13_2. Did your business use any of the following ICTs in 2016?: Data Analytics
Valid Values	0	Not selected
	1	Selected

ICT_smartphone_tablet

		Value
Standard Attributes	Code	Q13_3. Did your business use any of the following ICTs in 2016?: Internet-enabled mobile device (e.g., smartphone, tablet)
Valid Values	0	Not selected
	1	Selected

ICT_CRM

		Value
Standard Attributes	Code	Q13_4. Did your business use any of the following ICTs in 2016?: Customer/Supplier Relationship Management Software (CRM)
Valid Values	0	Not selected
	1	Selected

ICT_ERP

		Value
Standard Attributes	Code	Q13_5. Did your business use any of the following ICTs in 2016?: Enterprise Resource Planning Software (ERP)
Valid Values	0	Not selected
	1	Selected

ICT_accounting

		Value
Standard Attributes	Code	Q13_6. Did your business use any of the following ICTs in 2016?: Accounting/bookkeeping software
Valid Values	0	Not selected
	1	Selected

ICT_office_software

		Value
Standard Attributes	Code	Q13_7. Did your business use any of the following ICTs in 2016?: Desktop office/productivity software
Valid Values	0	Not selected
	1	Selected

ICT_management_software

		Value
Standard Attributes	Code	Q13_8. Did your business use any of the following ICTs in 2016?: Management software
Valid Values	0	Not selected
	1	Selected

ICT_design_software

		Value
Standard Attributes	Code	Q13_9. Did your business use any of the following ICTs in 2016?: Design software
Valid Values	0	Not selected
	1	Selected

ICT_web_application

		Value
Standard Attributes	Code	Q13_10. Did your business use any of the following ICTs in 2016?: Web-based applications
Valid Values	0	Not selected
	1	Selected

ICT_custom_software

		Value
Standard Attributes	Code	Q13_11. Did your business use any of the following ICTs in 2016?: Custom software/company software
Valid Values	0	Not selected
	1	Selected

ICT_payment_software

		Value
Standard Attributes	Code	Q13_12. Did your business use any of the following ICTs in 2016?: Point of sale software/credit card payment software
Valid Values	0	Not selected
	1	Selected

ICT_client_server

		Value
Standard Attributes	Code	Q13_13. Did your business use any of the following ICTs in 2016?: Client server/MS Exchange/File Transfer Protocol/Voice Over Internet Protocol
Valid Values	0	Not selected
	1	Selected

ICT_other

		Value
Standard Attributes	Code	Q13_14. Did your business use any of the following ICTs in 2016?: Other
Valid Values	0	Not selected
	1	Selected

ICT_none

		Value
Standard Attributes	Code	Q13_15. Did your business use any of the following ICTs in 2016?: No ICTs are used in our business
Valid Values	0	Not selected
	1	Selected

ICT_DK

+		Value
Standard Attributes	Code	Q13_88. Did your business use any of the following ICTs in 2016?: Don't know
Valid Values	0	Not selected
	1	Selected

portable_devices_availability

		Value
Standard Attributes	Code	Q14_1. Are employees in your organization provided with internet enabled portable devices (notebooks, mobile phones, etc.)?
	0	None provided
Valid Values	1	Answer provided
	88	Don't know

portable_devices_percentage

		Value
Standard Attributes	Code	Q14_2. As a percentage, how many employees in your organization are provided with internet enabled portable devices (notebooks, mobile phones, etc.)?

ICT_expenditure_tracking

		Value
Standard Attributes	Code	Q15_1. Does your company track the amount that your business spends on ICT expenditures?
	1	Yes
Valid Values	2	No
	88	Don't Know

ICT_expenditure_known_percentage

		Value
Standard Attributes	Code	Q15_2. Could you estimate the amount that your business spends on ICT expenditures as a percentage of all expenditures?
	1	Yes
Valid Values	2	No
	88	Don't Know

ICT_benefits_cost

		Value
Standard Attributes	Code	Q16_1. How did the introduction of an ICT benefit your organization?: Reduced costs of operations and/or labour
	0	Not selected
Valid Values	1	Selected

ICT_benefits_customer

		Value
Standard Attributes	Code	Q16_2. How did the introduction of an ICT benefit your organization?: Increased ability to respond to customer or supplier requirements
Valid Values	0	Not selected
	1	Selected

ICT_benefits_competition

		Value
Standard Attributes	Code	Q16_3. How did the introduction of an ICT benefit your organization?: Keeping pace with competitors
Valid Values	0	Not selected
	1	Selected

ICT_benefits_transaction_time

		Value
Standard Attributes	Code	Q16_4. How did the introduction of an ICT benefit your organization?: Reduced transaction times
Valid Values	0	Not selected
	1	Selected

ICT_benefits_quality

		Value
Standard Attributes	Code	Q16_5. How did the introduction of an ICT benefit your organization?: Improved goods or services quality
Valid Values	0	Not selected
	1	Selected

ICT_benefits_information_sharing

		Value
Standard Attributes	Code	Q16_6. How did the introduction of an ICT benefit your organization?: Improved information sharing
Valid Values	0	Not selected
	1	Selected

ICT_benefits_multiskilling

		Value
Standard Attributes	Code	Q16_7. How did the introduction of an ICT benefit your organization?: Greater reliance on job rotation, multi-skilling
Valid Values	0	Not selected
	1	Selected

ICT_benefits_partnership

		Value
Standard Attributes	Code	Q16_8. How did the introduction of an ICT benefit your organization?: Increased partnerships or system integration with other firms
Valid Values	0	Not selected
	1	Selected

ICT_benefits_training

		Value
Standard Attributes	Code	Q16_9. How did the introduction of an ICT benefit your organization?: Improved training of staff
Valid Values	0	Not selected
	1	Selected

ICT_benefits_remote_working

		Value
Standard Attributes	Code	Q16_10. How did the introduction of an ICT benefit your organization?: Allowed for remote working
Valid Values	0	Not selected
	1	Selected

ICT_benefits_fewer_documents

		Value
Standard Attributes	Code	Q16_11. How did the introduction of an ICT benefit your organization?: Reduced reliance on physical documents
Valid Values	0	Not selected
	1	Selected

ICT_benefits_productivity

		Value
Standard Attributes	Code	Q16_12. How did the introduction of an ICT benefit your organization?: Improved efficiency and productivity
Valid Values	0	Not selected
	1	Selected

ICT_benefits_ease_of_use

		Value
Standard Attributes	Code	Q16_13. How did the introduction of an ICT benefit your organization?: Ease of access/ease of use
Valid Values	0	Not selected
	1	Selected

ICT_benefits_communication

		Value
Standard Attributes	Code	Q16_14. How did the introduction of an ICT benefit your organization?: Improved communication
Valid Values	0	Not selected
	1	Selected

ICT_benefits_marketing

		Value
Standard Attributes	Code	Q16_15. How did the introduction of an ICT benefit your organization?: Marketing/promotion/better visibility
Valid Values	0	Not selected
	1	Selected

ICT_benefits_other

		Value
Standard Attributes	Code	Q16_16. How did the introduction of an ICT benefit your organization?: Other change
Valid Values	0	Not selected
	1	Selected

ICT_benefits_none

		Value
Standard Attributes	Code	Q16_17. How did the introduction of an ICT benefit your organization?: No changes
Valid Values	0	Not selected
	1	Selected

ICT_benefits_DK

		Value
Standard Attributes	Code	Q16_88. How did the introduction of an ICT benefit your organization?: Don't know
Valid Values	0	Not selected
	1	Selected

ICT_barrier_unawareness

		Value
Standard Attributes	Code	Q17_1. What are the main barriers to your business further integrating ICTs?: Unaware of what technologies exist in the marketplace
Valid Values	0	Not selected
	1	Selected

ICT_barrier_expertise

		Value
Standard Attributes	Code	Q17_2. What are the main barriers to your business further integrating ICTs?: Lack of technical expertise and skilled personnel in-house
Valid Values	0	Not selected
	1	Selected

ICT_barrier_return_on_investment

		Value
Standard Attributes	Code	Q17_3. What are the main barriers to your business further integrating ICTs?: Not enough evidence of a strong return on investment
Valid Values	0	Not selected
	1	Selected

ICT_barrier_system_incompatibility

		Value
Standard Attributes	Code	Q17_4. What are the main barriers to your business further integrating ICTs?: New systems will not be compatible with our existing systems
Valid Values	0	Not selected
	1	Selected

ICT_barrier_implementation_cost

		Value
Standard Attributes	Code	Q17_5. What are the main barriers to your business further integrating ICTs?: Cost of technology and implementation are too high
Valid Values	0	Not selected
	1	Selected

ICT_barrier_maintenance_cost

		Value
Standard Attributes	Code	Q17_6. What are the main barriers to your business further integrating ICTs?: Cost of technology maintenance is too high
Valid Values	0	Not selected
	1	Selected

ICT_barrier_resistance

		Value
Standard Attributes	Code	Q17_7. What are the main barriers to your business further integrating ICTs?: Employee resistance to introduction of new technology
Valid Values	0	Not selected
	1	Selected

ICT_barrier_security_privacy

		Value
Standard Attributes	Code	Q17_8. What are the main barriers to your business further integrating ICTs?: Security and/or privacy concerns
Valid Values	0	Not selected
	1	Selected

ICT_barrier_time

		Value
Standard Attributes	Code	Q17_9. What are the main barriers to your business further integrating ICTs?: Lack of time
Valid Values	0	Not selected
	1	Selected

ICT_barrier_partners_not_use

		Value
Standard Attributes	Code	Q17_10. What are the main barriers to your business further integrating ICTs?: Business partners do not use
Valid Values	0	Not selected
	1	Selected

ICT_barrier_access

		Value
Standard Attributes	Code	Q17_11. What are the main barriers to your business further integrating ICTs?: Access to technology
Valid Values	0	Not selected
	1	Selected

ICT_barrier_unwanted

		Value
Standard Attributes	Code	Q17_12. What are the main barriers to your business further integrating ICTs?: Further ICT integration is not needed/unwanted
Valid Values	0	Not selected
	1	Selected

ICT_barrier_quick_technology_update

		Value
Standard Attributes	Code	Q17_13. What are the main barriers to your business further integrating ICTs?: Technology changes/technology gets outdated/hard to keep up
Valid Values	0	Not selected
	1	Selected

ICT_barrier_reliability

		Value
Standard Attributes	Code	Q17_14. What are the main barriers to your business further integrating ICTs?: Disruptive to business when doesn't work/internet goes down/reliability issues
Valid Values	0	Not selected
	1	Selected

ICT_barrier_other

		Value
Standard Attributes	Code	Q17_15. What are the main barriers to your business further integrating ICTs?: Other
Valid Values	0	Not selected
	1	Selected

ICT_barrier_none

		Value
Standard Attributes	Code	Q17_16. What are the main barriers to your business further integrating ICTs?: No barriers to adoption
Valid Values	0	Not selected
	1	Selected

ICT_barrier_DK

		Value
Standard Attributes	Code	Q17_88. What are the main barriers to your business further integrating ICTs?: Don't know
Valid Values	0	Not selected
	1	Selected

ICT_specialist_internal

		Value
Standard Attributes	Code	Q18_1. Did your business have any technology specialists as of December 2016? Yes – internally employed
Valid Values	0	Not selected
	1	Selected

ICT_specialist_external

		Value
Standard Attributes	Code	Q18_2. Did your business have any technology specialists as of December 2016? Yes – externally contracted/outsourced
Valid Values	0	Not selected
	1	Selected

ICT_specialist_none

		Value
Standard Attributes	Code	Q18_3. Did your business have any technology specialists as of December 2016? No
Valid Values	0	Not selected
	1	Selected

ICT_specialist_DK

		Value
Standard Attributes	Code	Q18_88. Did your business have any technology specialists as of December 2016? Don't Know
Valid Values	0	Not selected
	1	Selected

training_ICT_specialists

		Value
Standard Attributes	Code	Q19_1. During 2016, did your business provide training to develop or upgrade technology related skills of?: Technology specialists
	1	Yes
Valid Values	2	No
	88	Don't Know

training_employees

		Value
Standard Attributes	Code	Q19_2. During 2016, did your business provide training to develop or upgrade technology related skills of?: Other employees using ICTs during their day-to-day tasks
	1	Yes
Valid Values	2	No
	88	Don't Know

personal_ICT_training

		Value
Standard Attributes	Code	Q20_1. Did your business spend on training or upgrading the ICT-related skills of your personnel?
	1	Yes
Valid Values	2	No
	88	Don't Know

personal_ICT_training_expenditure

		Value
Standard Attributes	Code	Q20_2. How much did you spend annually per person on training or upgrading the ICT-related skills of your personnel?

IT_security_email_encryption

		Value
Standard Attributes	Code	Q21_1. Does your business currently have any of the following IT security measures in place?: Email encryption
	0	Not selected
Valid Values	1	Selected

IT_security_patch

		Value
Standard Attributes	Code	Q21_2. Does your business currently have any of the following IT security measures in place?: Regularly patch operating systems (OSs) and applications
	0	Not selected
Valid Values	1	Selected

IT_security_authentication

		Value
Standard Attributes	Code	Q21_3. Does your business currently have any of the following IT security measures in place?: Authentication software or hardware for internal or external users
	0	Not selected
Valid Values	1	Selected

IT_security_backup

		Value
Standard Attributes	Code	Q21_4. Does your business currently have any of the following IT security measures in place?: Regular backup of data critical to your business operations
Valid Values	0	Not selected
	1	Selected

IT_security_cyber_insurance

		Value
Standard Attributes	Code	Q21_5. Does your business currently have any of the following IT security measures in place?: Cyber insurance
Valid Values	0	Not selected
	1	Selected

IT_security_none

		Value
Standard Attributes	Code	Q21_6. Does your business currently have any of the following IT security measures in place?: No IT security measures are in place
Valid Values	0	Not selected
	1	Selected

IT_security_DK

		Value
Standard Attributes	Code	Q21_88. Does your business currently have any of the following IT security measures in place?: Don't know
Valid Values	0	Not selected
	1	Selected

security_breaches

		Value
Standard Attributes	Code	Q22. Did your business experience any internal or external data security breaches during 2016?
Valid Values	1	Yes
	2	No
	88	Don't Know

security_breaches_theft

		Value
Standard Attributes	Code	Q23_1. Did your business experience any of the following impacts as a result of these data security breaches?: Corruption, theft or unauthorized access to client or proprietary information
Valid Values	0	Not selected
	1	Selected

security_breaches_ransomware

		Value
Standard Attributes	Code	Q23_2. Did your business experience any of the following impacts as a result of these data security breaches?: Ransomware or extortion for access to systems/information
Valid Values	0	Not selected
	1	Selected

security_breaches_reputation

		Value
Standard Attributes	Code	Q23_3. Did your business experience any of the following impacts as a result of these data security breaches?: Reputational damage
Valid Values	0	Not selected
	1	Selected

security_breaches_downtime

		Value
Standard Attributes	Code	Q23_4. Did your business experience any of the following impacts as a result of these data security breaches?: Service downtime
Valid Values	0	Not selected
	1	Selected

security_breaches_income_loss

		Value
Standard Attributes	Code	Q23_5. Did your business experience any of the following impacts as a result of these data security breaches?: Loss of income
Valid Values	0	Not selected
	1	Selected

security_breaches_productivity_loss

		Value
Standard Attributes	Code	Q23_6. Did your business experience any of the following impacts as a result of these data security breaches?: Loss of productivity
Valid Values	0	Not selected
	1	Selected

security_breaches_stress

		Value
Standard Attributes	Code	Q23_7. Did your business experience any of the following impacts as a result of these data security breaches: Stress/insecurity/fear/frustration
Valid Values	0	Not selected
	1	Selected

security_breaches_none

		Value
Standard Attributes	Code	Q23_8. Did your business experience any of the following impacts as a result of these data security breaches: No impact
Valid Values	0	Not selected
	1	Selected

security_breaches_other

		Value
Standard Attributes	Code	Q23_9. Did your business experience any of the following impacts as a result of these data security breaches?: Other impacts
Valid Values	0	Not selected
	1	Selected

security_breaches_DK

		Value
Standard Attributes	Code	Q23_88. Did your business experience any of the following impacts as a result of these data security breaches: Don't know
Valid Values	0	Not selected
	1	Selected

IT_security_mitigation_budget

		Value
Standard Attributes	Code	Q24. Does your business have an allotted budget for IT security mitigation measures?
	1	Yes
Valid Values	2	No
	88	Don't Know

size_full_time_employees

		Value
Standard Attributes	Code	Q25. What is the number of full-time employees of your business in Canada?
	1	0
	2	1 to 9
	3	10 to 19
	4	20 to 49
Valid Values	5	50 to 99
	6	100 to 249
	7	250 to 499
	8	500 or more
	88	Don't know
	99	Prefer not to answer

size_full_time_employees_adjusted

		Value
Standard Attributes	Code	Q25. What is the number of full-time employees of your business in Canada? - Supplemented with secondary data
	1	0
	2	1 to 9
	3	10 to 19
Valid Values	4	20 to 49
	5	50 to 99
	6	100 to 249
	7	250 to 499
	8	500 or more

industry_weight_to_national

		Value
Standard Attributes		Weight - Scale to Canada (Industry x Firm Size)