

2022 Annual Survey of Research and Development of Canadian Private Non-profit Organizations

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This information is collected under the authority of the *Statistics Act*, Revised Statutes of Canada, 1985, Chapter S-19. **COMPLETION OF THIS QUESTIONNAIRE IS A LEGAL REQUIREMENT UNDER THIS ACT.**

Introduction

Survey purpose

The survey collects information on scientific activities of Canadian private non-profit organizations. The research and development expenditures and personnel information is used by federal, provincial and territorial governments and agencies, academics and international organizations for statistical analyses and policy purposes. These data also contribute to national totals of research and development activities. The payments and receipts information is used by these agencies to monitor knowledge flows across international borders and between Canadian organizations.

Your information may also be used by Statistics Canada for other statistical and research purposes.

Security of emails and faxes

Statistics Canada advises you that there could be a risk of disclosure during facsimile or email. However upon receipt, Statistics Canada will provide the guaranteed level of protection afforded all information collected under the authority of the *Statistics Act*.

Note: Our online questionnaires are secure, there is no risk of data interception when responding to Statistics Canada online survey.

Confidentiality

The *Statistics Act* protects the confidentiality of information collected by Statistics Canada.

Data sharing agreements

To reduce respondent burden, Statistics Canada has entered into data sharing agreements with provincial and territorial statistical agencies and other government organizations, which have agreed to keep the data confidential and use them only for statistical purposes.

Information on confidentiality, data-sharing agreements and record linkages can be found on the last page of this questionnaire.

Please return the questionnaire within 21 days.

Please mail the completed questionnaire in the enclosed envelope or fax it to Statistics Canada at 1-888-883-7999.

If you are unable to complete within 21 days **OR** if you need help, call us at 1-800-972-9692 or TTY 1-800-363-7629.

Statistics Canada
Operations and Integration Division
150 Tunney's Pasture Driveway
Ottawa, Ontario K1A 0T6

Visit our website, www.statcan.gc.ca

Business or organization and contact information

1. **Verify or provide** the business or organization's **legal and operating name**, and correct information if needed.

Note: Legal name modifications should only be done to correct a spelling error or typo.

Legal name

Operating name (if applicable)

2. **Verify or provide the contact information** for the designated **contact person** for the business or organization, and correct information if needed.

Note: The designated contact person is the person who should receive this questionnaire. The designated contact person may not always be the one who actually completes the questionnaire.

First name

Last name

Title

Preferred language of communication

English French

Mailing address (number and street)

City

Province, territory or state

Postal code or ZIP code

Example: A9A 9A9 or 12345-1234

Country

Email address

Example: user@example.gov.ca

Telephone number (including area code)

Example: 123-123-1234

Extension number
(if applicable)

Fax number (including area code)

Example: 123-123-1234

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3. **Verify or provide the current operational status** of the business or organization identified by the legal and operating name above.

B00323

1 **Operational** → **Go to question 4**

2 **Not currently operational**

e.g., temporarily or permanently closed, change of ownership

Why is this business or organization not currently operational?

B00309

2 **Seasonal operations** → **Go to question 3a**

3 **Ceased operations** → **Go to question 3b**

4 **Sold operations** → **Go to question 3c**

5 **Amalgamated with other businesses or organizations** → **Go to question 3d**

6 **Temporarily inactive but expected to reopen** → **Go to question 3e**

7 **No longer operating due to other reasons** → **Go to question 3f**

3a. Seasonal operations

When did this business or organization close for the season?

Date B00217
YYYY MM DD

When does this business or organization expect to resume operations?

Date B00218
YYYY MM DD → **Go to question 4**

3b. Ceased operations

When did this business or organization cease operations?

Date B00211
YYYY MM DD

Why did this business or organization cease operations?

B00311

1 **Bankruptcy**

2 **Liquidation**

3 **Dissolution**

4 **Other**
Specify the other reasons why operations ceased

B00312

} → **Go to question 4**

3c. Sold operations

When was this business or organization sold?

YYYY MM DD
B00212
Date

What is the legal name of the buyer?

B00406
 → Go to question 4

3d. Amalgamated with other businesses or organizations

When did this business or organization amalgamate?

YYYY MM DD
B00213
Date

What is the legal name of the resulting or continuing business or organization?

B00407

What are the legal names of the other amalgamated businesses or organizations?

B00408
 → Go to question 4

3e. Temporarily inactive but expected to reopen

When did this business or organization become temporarily inactive?

YYYY MM DD
B00214
Date

When does this business or organization expect to resume operations?

YYYY MM DD
B00215
Date

Why is this business or organization temporarily inactive?

B00313
 → Go to question 4

3f. No longer operating due to other reasons

When did this business or organization cease operations?

YYYY MM DD
B00216
Date

Why did this business or organization cease operations?

B00314

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4. **Verify or provide the current main activity** of the business or organization identified by the legal and operating name.

Note: The described activity was assigned using the North American Industry Classification System (NAICS).

B05002

1 This is the current main activity → **Go to next section**

2 This is **not** the current main activity

Provide a **brief but precise description** of this business or organization's **main activity**
e.g., breakfast cereal manufacturing, shoe store, software development

B05003



5. Was this business or organization's main activity ever classified as:

B05111

1 Yes

2 No → **Go to next section**

6. When did the main activity change?

Date B00219

YYYY	MM	DD
<input type="text"/>	<input type="text"/>	<input type="text"/>

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Reporting instructions

- Please print in ink.
- Report dollar amounts **in thousands of Canadian dollars**.
- **Exclude** sales tax.
- Percentages should be rounded to whole numbers.
- Report dollar amounts **rounded to the nearest dollar**.
- Where exact figures are not available, please provide the most accurate estimate possible.
- If this organization **performs in-house** research and development (**R&D**) and **makes payments for R&D performed by other organizations**, complete all questions.
- If this organization **performs in-house** research and development (**R&D**) and **does not make payments for R&D performed by other organizations**, complete questions 1 - 9, 11, 12 - 22.
- If this organization **makes payments for R&D performed by other organizations** and **does not perform in-house R&D**, complete questions 1 - 7, 9 - 11, 16, 20 - 22.
- If this organization **does not perform in-house R&D** and **does not make payments for R&D performed by other organizations**, complete questions 1 - 7, 9, 11, 16, 20 - 22.

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Characteristics

Reporting period

1. What is the end date of this organization's fiscal year?

0206	YYYY	MM	DD

Note: For this survey, **this organization's** fiscal year end date should fall on or before **March 31, 2022**.

Here are **some examples** of fiscal periods that **fall within the targeted date**:

- May 1, 2021 to **April 30, 2022**
- July 1, 2021 to **June 30, 2022**
- October 1, 2021 to **September 30, 2022**
- January 1, 2022 to **December 31, 2022**
- February 1, 2022 to **January 31, 2023**
- April 1, 2022 to **March 31, 2023**

*THIS FISCAL YEAR WILL BE REFERRED TO AS **2022** THROUGHOUT THE QUESTIONNAIRE*

Organization status

2. What is this organization's business number?
(e.g., **GST** number or charitable registration number)

0419									
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3. Is this organization affiliated with a hospital, a university or a government agency or department?

- B30006 1 Yes
- 2 No

4. In **2022**, what were this organization's **total expenditures** within Canada?
(If precise figures are not available, please provide your best estimate)

CAN\$ '000

E40001

\$,000

5. In **2022**, what were this organization's **total wages and salaries** within Canada?
(If precise figures are not available, please provide your best estimate)

CAN\$ '000

F61525

\$,000

6. In **2022**, what was the **average number of employees in full-time equivalents (FTE)** within Canada for this organization?
(If precise figures are not available, please provide your best estimate in **full-time equivalents (FTE)**)

Number of employees

B20044

.

For this survey

"In-house R&D" refers to:

Expenditures **within Canada** for **R&D** performed **within this organization** by:

- employees (permanent, temporary or casual)
- self-employed individuals or contractors who are **working on-site** on this organization's **R&D** projects.

"Payments for R&D performed by other organizations" refers to:

Payments made **within or outside Canada** to other organizations, individuals or companies to fund **R&D** performance:

- grants
- fellowships
- contracts.

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In-house research and development (R&D) expenditures

7. In 2022, 2023 and 2024, did this organization have or plan to make expenditures for R&D performed in-house within Canada?

Exclude payments for R&D performed by others (e.g., funding, grants or contracted out R&D expenditures), which should be reported in question 10.

1 Yes

2 No ► **Go to question 9**

8. In 2022, 2023 and 2024, what were this organization's actual or planned expenditures for R&D performed in-house within Canada?

Please report all amounts in thousands of Canadian dollars.

Report "0" for no R&D expenditures.

	Made in 2022	Planned in 2023	Planned in 2024
	CAN\$ '000	CAN\$ '000	CAN\$ '000
Current in-house R&D expenditures within Canada			
a. Wages, salaries of permanent, temporary and casual R&D employees Include fringe benefits	E45077_sr1 \$ [] ,000		
b. Services to support R&D Include services of self-employed individuals or contractors who are working on-site on this organization's R&D projects. Exclude contracted out or granted expenditures to other organizations to perform R&D (report in question 10)	E45077_sr2 \$ [] ,000		
c. R&D materials	E45077_sr3 \$ [] ,000		
d. All other current R&D costs Include overhead costs	E45077_sr4 \$ [] ,000		
Total current in-house R&D expenditures within Canada	E45050 \$ [] ,000	E45079 \$ [] ,000	E45082 \$ [] ,000
Capital in-house R&D expenditures within Canada			
e. Software Exclude capital depreciation	E45078_sr1 \$ [] ,000		
f. Land Exclude capital depreciation	E45078_sr2 \$ [] ,000		
g. Buildings and structures Exclude capital depreciation	E45078_sr3 \$ [] ,000		
h. Equipment, machinery and all other capital expenditures Exclude capital depreciation	E45078_sr4 \$ [] ,000		
Total capital in-house R&D expenditures within Canada	E45060 \$ [] ,000	E45081 \$ [] ,000	E45083 \$ [] ,000
Total in-house R&D expenditures within Canada	E45070 \$ [] ,000		

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Payments for R&D performed by other organizations

9. In 2022, did this organization **make payments** to other organizations to perform **R&D** within Canada or outside Canada?

- Include:**
- funding or grants provided to other organizations to perform **R&D**
 - contracted out expenditures for **R&D**.

Exclude services of self-employed individuals or contractors who are working on-site on this organization's **R&D** projects which should have been reported earlier as part of in-house **R&D** expenditures in question 8.

B05152_tp 1 Yes

2 No ► **Go to question 11**

10. In 2022, what were this organization's **R&D payments to other organizations** within Canada or outside Canada?

Please report all amounts in **thousands of Canadian dollars**.
Report **"0"** for no R&D expenditures."

	Within Canada	Outside Canada
	CAN\$ '000	CAN\$ '000
a. Companies	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
b. Other private non-profit organizations	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
c. Industrial research institutes or associations	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
d. Hospitals	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
e. Universities	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
f. Federal government departments and agencies	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
g. Provincial or territorial government departments, ministries and agencies	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
h. Provincial or territorial research organizations	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
i. Other organizations e.g., individuals, non-university educational institutions, foreign governments	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
2022 – Total payments for R&D performed by other organizations	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000

11. In 2023 and 2024, what are this organization's **planned payments** to other organizations to perform **R&D** within Canada or outside Canada?

Report **"0"** for no R&D expenditures.

	Within Canada	Outside Canada
	CAN\$ '000	CAN\$ '000
2023 – Total payments for R&D performed by other organizations	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
2024 – Total payments for R&D performed by other organizations	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000

Geographic distribution of in-house R&D expenditures within Canada in 2022

12. In 2022, how were this organization's total expenditures for R&D performed in-house distributed by province or territory?

- Exclude:**
- payments for R&D performed by others (e.g., funding, grants or contracted out R&D expenditures), which should be reported in question 10
 - capital depreciation.

Please report all amounts in thousands of Canadian dollars.

	Current in-house R&D expenditures CANS\$ '000	Capital in-house R&D expenditures CANS\$ '000
a. Newfoundland and Labrador	E45077_g1 \$ [] ,000	E45078_g1 \$ [] ,000
b. Prince Edward Island	E45077_g2 \$ [] ,000	E45078_g2 \$ [] ,000
c. Nova Scotia	E45077_g3 \$ [] ,000	E45078_g3 \$ [] ,000
d. New Brunswick	E45077_g4 \$ [] ,000	E45078_g4 \$ [] ,000
e. Quebec	E45077_g5 \$ [] ,000	E45078_g5 \$ [] ,000
f. Ontario	E45077_g6 \$ [] ,000	E45078_g6 \$ [] ,000
g. Manitoba	E45077_g7 \$ [] ,000	E45078_g7 \$ [] ,000
h. Saskatchewan	E45077_g8 \$ [] ,000	E45078_g8 \$ [] ,000
i. Alberta	E45077_g9 \$ [] ,000	E45078_g9 \$ [] ,000
j. British Columbia	E45077_g10 \$ [] ,000	E45078_g10 \$ [] ,000
k. Yukon	E45077_g11 \$ [] ,000	E45078_g11 \$ [] ,000
l. Northwest Territories	E45077_g12 \$ [] ,000	E45078_g12 \$ [] ,000
m. Nunavut	E45077_g13 \$ [] ,000	E45078_g13 \$ [] ,000
2022 – Total current and capital in-house R&D expenditures	E45100 \$ [] ,000	E45110 \$ [] ,000

▲ Should equal total current in-house R&D expenditures from question 8
 ▲ Should equal total capital in-house R&D expenditures from question 8

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Sources of funds for in-house R&D expenditures in 2022

13. In 2022, what were the **sources of funds** for this organization's total expenditures for R&D performed in-house?
Include Canadian and foreign sources.

- Exclude:**
- payments for R&D performed by others (e.g., funding, grants or contracted out R&D expenditures), which should be reported in question 10
 - capital depreciation.

Please report all amounts in **thousands of Canadian dollars**.
Report "0" for no R&D expenditures.

- a. Funds from this organization
Include interest payments, fundraising and other income
- b. Companies
- c. Federal government grants or funding
Include R&D grants or funding or R&D portion only of other grants or funding
- d. Federal government contracts
Include R&D contracts or R&D portion only of other contracts

	From within Canada CAN\$ '000	From outside Canada CAN\$ '000
E64049_01	\$ [] ,000	\$ [] ,000
E65051_01		E63038
E64049_02	\$ [] ,000	\$ [] ,000
E64048	\$ [] ,000	
E65049	\$ [] ,000	

Geographic distribution of provincial or territorial government grants or funding and provincial or territorial government contracts

- e. Newfoundland and Labrador
- f. Prince Edward Island
- g. Nova Scotia
- h. New Brunswick
- i. Quebec
- i. Ontario
- k. Manitoba
- l. Saskatchewan
- m. Alberta
- n. British Columbia
- o. Yukon
- p. Northwest Territories
- q. Nunavut

	Provincial or territorial government grants or funding CAN\$ '000	Provincial or territorial government contracts CAN\$ '000
E64049_g1	\$ [] ,000	E65051_g1: \$ [] ,000
E64049_g2	\$ [] ,000	E65051_g2 \$ [] ,000
E64049_g3:	\$ [] ,000	E65051_g3 \$ [] ,000
E64049_g4	\$ [] ,000	E65051_g4 \$ [] ,000
E64049_g5	\$ [] ,000	E65051_g5 \$ [] ,000
E64049_g6	\$ [] ,000	E65051_g6 \$ [] ,000
E64049_g7	\$ [] ,000	E65051_g7 \$ [] ,000
E64049_g8:	\$ [] ,000	E65051_g8 \$ [] ,000
E64049_g9	\$ [] ,000	E65051_g9 \$ [] ,000
E64049_g10	\$ [] ,000	E65051_g10 \$ [] ,000
E64049_g11	\$ [] ,000	E65051_g11 \$ [] ,000
E64049_g12	\$ [] ,000	E65051_g12 \$ [] ,000
E64049_g13	\$ [] ,000	E65051_g13 \$ [] ,000

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Funds from private non-profit organizations

From within Canada

From outside Canada

Organization 1

r. GST number (9-digit business number (BN) or charitable registration number)

B71013_nc1

E65052_nc1

\$,000

E63039_nc1

\$,000

Organization name

B71013_nc2

Organization 2

s. GST number (9-digit business number (BN) or charitable registration number)

B71013_nc3

E65052_nc2

\$,000

E63039_nc2

\$,000

Organization name

B71013_nc4

Organization 3

t. GST number (9-digit business number (BN) or charitable registration number)

B71013_nc5

E65052_nc3

\$,000

E63039_nc3

\$,000

Organization name

B71013_nc6

u. Other sources

e.g., universities, foreign governments, individuals.....

E64051

\$,000

E63041

\$,000

2022 – Total in-house R&D expenditures by sources of funds by origin (sum of questions a. to u.).....

E60310

\$,000

E60320

\$,000

2022 – Total in-house R&D expenditures (Canadian and foreign sources) (should equal total in-house R&D expenditures from question 8).....

E60330

\$,000

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Fields of research and development for in-house R&D expenditures within Canada in 2022

14. In 2022, how were this organization's total expenditures for R&D performed in-house within Canada distributed by field(s) of research and development?

Exclude: • payments for R&D performed by others (e.g., funding, grants or contracted out R&D expenditures), which should be reported in question 10
• capital depreciation.

Please report all amounts in thousands of Canadian dollars.

Report "0" for no R&D expenditures.

CAN\$ '000

Medical and health sciences

- a. Basic medicine \$,000
- b. Clinical medicine \$,000
- c. Health sciences \$,000
- d. Medical biotechnology \$,000
- e. Other medical sciences \$,000

Total medical and health sciences

E45084_y1 ,000
 E45084_y2 ,000
 E45084_y3 ,000
 E45084_y4 ,000
 E45084_y5 ,000
 E45120 ,000

Other fields of research and development

- f. Natural and formal sciences \$,000
- g. Engineering and technology \$,000
- h. Software-related sciences and technologies \$,000
- i. Agricultural sciences \$,000
- j. Social sciences and humanities \$,000

2022 – Total in-house R&D expenditures within Canada by field of research and development (should equal total in-house R&D expenditures from question 8) (sum of questions a. to j.)

E45130 ,000

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Nature of R&D for in-house R&D expenditures within Canada in 2022

15. In 2022, how were this organization's **total expenditures** for R&D performed in-house within Canada distributed by nature of R&D?

Basic research is experimental or theoretical work undertaken primarily to acquire new knowledge of the underlying foundation of phenomena and observable facts, without any particular application or use in view.

Applied research is original investigation undertaken in order to acquire new knowledge. It is, however, directed primarily towards a specific, practical aim or objective.

Experimental development is systematic work, drawing on knowledge generated from research and practical experience and producing additional knowledge, which is directed to producing new products or processes or to improving existing products or processes.

(OECD, Frascati Manual: Proposed Standard for Surveys on Research and Experimental Development, 2015)

Percentage of total in-house R&D expenditures

a. Basic research	E45091_y1	<input type="text" value=""/>	%	
b. Applied research	E45091_y2	<input type="text" value=""/>	%	
c. Experimental development	E45091_y3	<input type="text" value=""/>	%	
Total percentage	E45140	<input type="text" value="1"/>	<input type="text" value=""/>	%

Results of R&D expenditures from 2020 to 2022

16. During the three (3) years **2020, 2021 and 2022**, did this organization's **total expenditures for R&D performed in-house and payments for R&D** made within Canada or outside Canada lead to new or significant improvements to the following?

		Yes	No
a. Goods Include goods developed through new knowledge from research discoveries	B10033 1	<input type="radio"/>	2 <input type="radio"/>
b. Services Include on-going knowledge transfer to physicians, first responders, patients and the general public . . .	B10034 1	<input type="radio"/>	2 <input type="radio"/>
c. Methods of manufacturing or producing goods and services	B10035 1	<input type="radio"/>	2 <input type="radio"/>
d. Logistics, delivery or distribution methods for this organization's inputs, goods or services . . .	B10036 1	<input type="radio"/>	2 <input type="radio"/>
e. Supporting activities for this organization's processes, such as maintenance systems or operations for purchasing, accounting or computing	B10037 1	<input type="radio"/>	2 <input type="radio"/>

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In-house R&D personnel in 2022

17. In 2022, how many in-house R&D personnel within Canada did this organization have in the following R&D occupations?

If this organization is unable to provide a gender breakdown of FTEs, please leave the associated fields empty and report only the totals.

Full-time equivalent (FTE)

R&D may be carried out by persons who work solely on R&D projects or by persons who devote only part of their time to R&D, and the balance to other activities such as testing, quality control and production engineering. To arrive at the total effort devoted to R&D in terms of personnel, it is necessary to estimate the full-time equivalent of these persons working only part-time in R&D.

Full-time equivalent (FTE) = Number of persons who work solely on R&D projects + the time of persons working only part of their time on R&D.

Example calculation: If out of four scientists engaged in R&D work, one works solely on R&D projects and the remaining three devote only one quarter of their working time to R&D, then: FTE = 1 + 1/4 + 1/4 + 1/4 = 1.75 scientists.

Researchers and research managers

	Male (FTEs)	Female (FTEs)	Another gender (FTEs)	Total (FTEs)
a. Scientists, social scientists, engineers and researchers Include software developers and programmers.	B20045_o1_y1	B20045_o2_y1	B20045_o3_y1	B20045_y1
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	B20045_o1_y2	B20045_o2_y2	B20045_o3_y2	B20045_y2
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
b. Senior research managers				
	B20045_o1_y3	B20045_o2_y3	B20045_o3_y3	B20045_y3
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Total researchers and research managers				

R&D technical, administrative and support staff

c. Technicians, technologists and research assistants Include software technicians.	B20045_o1_y4	B20045_o2_y4	B20045_o3_y4	B20045_y4
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	B20045_o1_y5	B20045_o2_y5	B20045_o3_y5	B20045_y5
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
d. Other R&D technical, administrative and support staff				
	B20045_o1_y6	B20045_o2_y6	B20045_o3_y6	B20045_y6
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Total R&D technical, administrative and support staff				

Other R&D occupations

e. On-site R&D consultants and contractors	B20040_o1_y7	B20040_o2_y7	B20040_o3_y7	B20040_y7
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Total in-house R&D personnel within Canada (sum of questions a to e.)	B20040_o1	B20040_o2	B20040_o3	B20040
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

18. Of this organization's total in-house R&D personnel reported above, what percentage performed software-related activities?

Percentage of software-related activities

B20046

%

19. In 2022, how were the total in-house R&D personnel distributed by province or territory?

Please report in full-time equivalents (FTE).

	Number of researchers and research managers	Number of R&D technical, administrative and support staff	Number of on-site R&D consultants and contractors
a. Newfoundland and Labrador	B20047_g1	B20048_g1	B20049_g1
b. Prince Edward Island	B20047_g2	B20048_g2	B20049_g2
c. Nova Scotia	B20047_g3	B20048_g3	B20049_g3
d. New Brunswick	B20047_g4	B20048_g4	B20049_g4
e. Quebec	B20047_g5	B20048_g5	B20049_g5
f. Ontario	B20047_g6	B20048_g6	B20049_g6
g. Manitoba	B20047_g7	B20048_g7	B20049_g7
h. Saskatchewan	B20047_g8	B20048_g8	B20049_g8
i. Alberta	B20047_g9	B20048_g9	B20049_g9
j. British Columbia	B20047_g10	B20048_g10	B20049_g10
k. Yukon	B20047_g11	B20048_g11	B20049_g11
l. Northwest Territories	B20047_g12	B20048_g12	B20049_g12
m. Nunavut	B20047_g13	B20048_g13	B20049_g13
Total in-house R&D personnel within Canada	B20050	B20060	B20070

Should equal total researchers and research managers from question 17

Should equal total R&D technical, administrative and support staff from question 17

Should equal total on-site consultants and contractors from question 17

DO NOT USE THIS INFORMATION FOR REPORT

Technology and technical assistance payments in 2022

20. In 2022, how much did this organization pay to other organizations for technology and technical assistance?

Please report all amounts in thousands of Canadian dollars.

Report "1" for payments made between \$1 and \$999.

Payments made to affiliated organizations

	Payments made within Canada CAN\$ '000	Payments made outside Canada CAN\$ '000
a. Patents	\$ [] ,000	\$ [] ,000
b. Copyrights	\$ [] ,000	\$ [] ,000
c. Trademarks	\$ [] ,000	\$ [] ,000
d. Industrial designs	\$ [] ,000	\$ [] ,000
e. Integrated circuit topography	\$ [] ,000	\$ [] ,000
f. Original software	\$ [] ,000	\$ [] ,000
g. Packaged or off-the-shelf software	\$ [] ,000	\$ [] ,000
h. Databases (useful life exceeding one year)	\$ [] ,000	\$ [] ,000
i. Other technology and technical assistance Include technical assistance, industrial processes and know-how	\$ [] ,000	\$ [] ,000
Total payments made to affiliated organizations (sum of questions a. to i.)	\$ [] ,000	\$ [] ,000

Payments made to other organizations, companies or individuals

j. Patents	\$ [] ,000	\$ [] ,000
k. Copyrights	\$ [] ,000	\$ [] ,000
l. Trademarks	\$ [] ,000	\$ [] ,000
m. Industrial designs	\$ [] ,000	\$ [] ,000
n. Integrated circuit topography	\$ [] ,000	\$ [] ,000
o. Original software	\$ [] ,000	\$ [] ,000
p. Packaged or off-the-shelf software	\$ [] ,000	\$ [] ,000
q. Databases (useful life exceeding one year)	\$ [] ,000	\$ [] ,000
r. Other technology and technical assistance Include technical assistance, industrial processes and know-how	\$ [] ,000	\$ [] ,000
Total payments made to other organizations, companies or individuals (sum of question j. to r.)	\$ [] ,000	\$ [] ,000

**Total payments made to other organizations
for technology and technical assistance
(sum of question a. to r.)**

\$ [] ,000 \$ [] ,000

21. In 2022, how much did this organization receive from other organizations for technology and technical assistance?

Please report all amounts in thousands of Canadian dollars.

Report "1" for payments received between \$1 and \$999.

Payments received from affiliated organizations

- a. Patents
- b. Copyrights
- c. Trademarks
- d. Industrial designs
- e. Integrated circuit topography
- f. Original software
- g. Packaged or off-the-shelf software
- h. Databases (useful life exceeding one year)
- i. Other technology and technical assistance
Include technical assistance, industrial processes and know-how

Total payments received from affiliated organizations (sum of question a. to i.)

Payments received from other organizations, companies or individuals

- j. Patents
- k. Copyrights
- l. Trademarks
- m. Industrial designs
- n. Integrated circuit topography
- o. Original software
- p. Packaged or off-the-shelf software
- q. Databases (useful life exceeding one year)
- r. Other technology and technical assistance
Include technical assistance, industrial processes and know-how

Total payments received from other organizations, companies or individuals (sum of question j. to r.)

Total payments received from other organizations for technology and technical assistance (sum of question a. to r.)

	Payments received from within Canada CAN\$,000	Payments received from outside Canada CAN\$,000
E46102_pc1	\$ [] ,000	E63042_pc1 [] ,000
E46102_pc2	\$ [] ,000	E63042_pc2 [] ,000
E46102_pc3	\$ [] ,000	E63042_pc3 [] ,000
E46102_pc4	\$ [] ,000	E63042_pc4 [] ,000
E46102_pc5	\$ [] ,000	E63042_pc5 [] ,000
E46102_pc6	\$ [] ,000	E63042_pc6 [] ,000
E46102_pc7	\$ [] ,000	E63042_pc7 [] ,000
E46102_pc8	\$ [] ,000	E63042_pc8 [] ,000
E46102_pc9	\$ [] ,000	E63042_pc9 [] ,000
Total payments received from affiliated organizations (sum of question a. to i.)	\$ [] ,000	E63030 [] ,000
Payments received from other organizations, companies or individuals		
E46103_pc1	\$ [] ,000	E63043_pc1 [] ,000
E46103_pc2	\$ [] ,000	E63043_pc2 [] ,000
E46103_pc3	\$ [] ,000	E63043_pc3 [] ,000
E46103_pc4	\$ [] ,000	E63043_pc4 [] ,000
E46103_pc5	\$ [] ,000	E63043_pc5 [] ,000
E46103_pc6	\$ [] ,000	E63043_pc6 [] ,000
E46103_pc7	\$ [] ,000	E63043_pc7 [] ,000
E46103_pc8	\$ [] ,000	E63043_pc8 [] ,000
E46103_pc9	\$ [] ,000	E63043_pc9 [] ,000
Total payments received from other organizations, companies or individuals (sum of question j. to r.)	\$ [] ,000	E63040 [] ,000
Total payments received from other organizations for technology and technical assistance (sum of question a. to r.)	\$ [] ,000	E63050 [] ,000

INFORMATION NOT TO BE USED FOR REPORTING

Changes or events

22. Indicate any changes or events that affected the reported values for this business or organization compared with the last reporting period.

Mark all that apply.

B00316_r1

Outsourcing of **R&D** projects

B00316_r2

Initiation of new **R&D** projects

B00316_r3

Completion of existing **R&D** projects

B00316_r4

Major change in funding of **R&D** projects (loss of funding)

B00316_r5

Major change in funding of **R&D** projects (increase in funding)

B00316_r6

Organizational change that affected **R&D** activities (expansion, reduction, restructuring)

B00316_r7

Economic change that affected **R&D** activities

B00316_r11

Lack of availability of qualified **R&D** personnel

B00302_t15

Other reason — specify:

B00302_t16

OR

B00302_t17

No changes or events

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Contact person

23. Statistics Canada may need to contact the person who completed this questionnaire for further information.

If the contact person is the same as on cover page, please check → Go to "Feedback"

Otherwise, who is the **best person to contact** about this questionnaire?

First name

Last name

Title

Email address (Example: user@example.gov.ca)

Telephone number (including area code)

Example: 123-123-1234

Extension number

(if applicable)

Fax number (including area code)

Example: 123-123-1234

Feedback

24. How long did it take to complete this questionnaire?

Include the time spent gathering the necessary information.....

Hours

Minutes

25. We invite your comments about this questionnaire.

B00002

DO NOT USE THIS INFORMATION COPY TO REPORT

General information

Confidentiality

Your answers are confidential.

By law, Statistics Canada is prohibited from releasing any information it collects that could identify any person, business, or organization, unless consent has been given by the respondent, or as permitted by the *Statistics Act*.

Statistics Canada will use information from the survey for statistical purposes.

Data-sharing agreements

To reduce respondent burden, Statistics Canada has entered into data-sharing agreements with provincial and territorial statistical agencies and other government organizations, which have agreed to keep the data confidential and use them only for statistical purposes. Statistics Canada will only share data from this survey with those organizations that have demonstrated a requirement to use the data.

Section 11 of the *Statistics Act* provides for the sharing of information with provincial and territorial statistical agencies that meet certain conditions. These agencies must have the legislative authority to collect the same information, on a mandatory basis, and the legislation must provide substantially the same provisions for confidentiality and penalties for disclosure of confidential information as the *Statistics Act*. Because these agencies have the legal authority to compel businesses to provide the same information, consent is not requested and businesses may not object to the sharing of the data.

For this survey, there are **Section 11** agreements with the provincial and territorial statistical agencies of Newfoundland and Labrador, Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, Alberta, British Columbia and the Yukon. The shared data will be limited to information on in-house research and development expenditures (Question 12) and in-house research and development personnel (Question 19) pertaining to business establishments located within the jurisdiction of the respective province or territory.

Section 12 of the *Statistics Act* provides for the sharing of information with federal, provincial or territorial government organizations. Under **Section 12**, you may refuse to share your information with any of these organizations by writing a letter of objection to the Chief Statistician and returning it with the completed questionnaire. Please specify the organizations with which you do not want to share your data.

For this survey, there are **Section 12** agreements with the statistical agencies of Prince Edward Island, the Northwest Territories and Nunavut. The shared data will be limited to information on in-house research and development expenditures (Question 12) and in-house research and development personnel (Question 19) pertaining to business establishments located within the jurisdiction of the respective province or territory.

Record linkages

To enhance the data from this survey and to reduce the reporting burden, Statistics Canada may combine the acquired data with information from other surveys or from administrative sources.

Thank you for completing this questionnaire.

Please retain a copy for your records.

Visit our website, www.statcan.gc.ca