

2018 Annual Survey of Research and Development of Canadian Private Non-profit Organizations

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COMPLETION OF THIS QUESTIONNAIRE IS A LEGAL REQUIREMENT UNDER THIS ACT.

Introduction

Survey purpose

This 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*.

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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 **1-877-604-7828** 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 where 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** of the designated business or organization **contact person** for this questionnaire and correct where 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 will re-open → **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
<input type="text"/>	<input type="text"/>	<input type="text"/>

When does this business or organization expect to resume operations?

Date B00218

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

 → **Go to question 4**

3b. Ceased operations

When did this business or organization cease operations?

Date B00211

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

Why did this business or organization cease operations?

B00311

1 ☐ Bankruptcy

2 ☐ Liquidation

3 ☐ Dissolution

4 ☐ Other
Specify the other reasons why the 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 will re-open

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

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

	YYYY	MM	DD
B00219	<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.
- **Exclude** sales tax.
- Report dollar amounts **rounded to the nearest dollar**.
- Consult the reporting guide at www.statcan.gc.ca/guides-e for further information.
- 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

B00206

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

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

Note: For this survey, **this organization's** fiscal year end date should fall **on or before March 31, 2019**.

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

May 1, 2017 to **April 30, 2018**
July 1, 2017 to **June 30, 2018**
October 1, 2017 to **September 30, 2018**
January 1, 2018 to **December 31, 2018**
February 1, 2018 to **January 31, 2019**
April 1, 2018 to **March 31, 2019**

*THIS FISCAL YEAR WILL BE REFERRED TO AS **2018** THROUGHOUT THE QUESTIONNAIRE*

Organization status

B00419

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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2. What is this organization's business number?
(e.g., GST number or charitable registration number)

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

B30006 1 ☐ Yes
2 ☐ No

4. In 2018, 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 2018, what were this organization's **total wages and salaries** within Canada?
(If precise figures are not available, please provide your best estimate)

F61525
\$,000

6. In 2018, 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.

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

7. In 2018, 2019 and 2020, did this organization have or does it plan to have 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 at question 10.

☐ Yes

² ☐ No ► Go to question 9

8. In 2018, 2019 and 2020, what are this organization's actual and 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 2018	Planned in 2019	Planned in 2020
	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 \$ <input type="text"/> ,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 \$ <input type="text"/> ,000		
c. R&D materials	E45077_sr3 \$ <input type="text"/> ,000		
d. All other current R&D costs Include overhead costs	E45077_sr4 \$ <input type="text"/> ,000		
Total current in-house R&D expenditures within Canada	E45050 \$ <input type="text"/> ,000	E45079 \$ <input type="text"/> ,000	E45082 \$ <input type="text"/> ,000

Capital in-house R&D expenditures within Canada

e. Software Exclude capital depreciation	E45078_sr1 \$ <input type="text"/> ,000		
f. Land Exclude capital depreciation	E45078_sr2 \$ <input type="text"/> ,000		
g. Buildings and structures Exclude capital depreciation	E45078_sr3 \$ <input type="text"/> ,000		
h. Equipment, machinery and all other capital Exclude capital depreciation	E45078_sr4 \$ <input type="text"/> ,000		
Total capital in-house R&D expenditures within Canada	E45060 \$ <input type="text"/> ,000	E45081 \$ <input type="text"/> ,000	E45083 \$ <input type="text"/> ,000

2018 - Total in-house R&D expenditures within Canada

E45070
\$,000

Payments for R&D performed by other organizations

9. In 2018, 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 2018, 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	E46096_sr1 \$ <input type="text"/> ,000	E43039_sr1 \$ <input type="text"/> ,000
b. Other private non-profit organizations	E46096_sr2 \$ <input type="text"/> ,000	E43039_sr2 \$ <input type="text"/> ,000
c. Industrial research institutes or associations	E46096_sr3 \$ <input type="text"/> ,000	E43039_sr3 \$ <input type="text"/> ,000
d. Hospitals	E46096_sr4 \$ <input type="text"/> ,000	E43039_sr4 \$ <input type="text"/> ,000
e. Universities	E46096_sr5 \$ <input type="text"/> ,000	E43039_sr5 \$ <input type="text"/> ,000
f. Federal government departments and agencies	E46096_sr6 \$ <input type="text"/> ,000	
g. Provincial or territorial government departments, ministries and agencies	E46096_sr7 \$ <input type="text"/> ,000	
h. Provincial or territorial research organizations	E46096_sr8 \$ <input type="text"/> ,000	
i. Other organizations e.g., individuals, non-university educational institutions, foreign governments	E46096_sr9 \$ <input type="text"/> ,000	E43039_sr6 \$ <input type="text"/> ,000
2018 – Total payments for R&D performed by other organizations	E46210 \$ <input type="text"/> ,000	E43030 \$ <input type="text"/> ,000

11. In 2019 and 2020, 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
2019 – Total payments for R&D performed by other organizations	E46097 \$ <input type="text"/> ,000	E43041 \$ <input type="text"/> ,000
2020 – Total payments for R&D performed by other organizations	E46098 \$ <input type="text"/> ,000	E43042 \$ <input type="text"/> ,000

Geographic distribution of in-house R&D expenditures within Canada in 2018

12. In 2018, how were this organization's total expenditures for **R&D performed in-house** distributed by province or territory?

Report all amounts in **thousands of Canadian dollars**.

Exclude:

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

	Current in-house R&D expenditures	Capital in-house R&D expenditures
	CAN\$ '000	CAN\$ '000
	E45077_g1	E45078_g1
a. Newfoundland and Labrador	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
	E45077_g2	E45078_g2
b. Prince Edward Island	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
	E45077_g3	E45078_g3
c. Nova Scotia	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
	E45077_g4	E45078_g4
d. New Brunswick	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
	E45077_g5	E45078_g5
e. Quebec	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
	E45077_g6	E45078_g6
f. Ontario	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
	E45077_g7	E45078_g7
g. Manitoba	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
	E45077_g8	E45078_g8
h. Saskatchewan	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
	E45077_g9	E45078_g9
i. Alberta	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
	E45077_g10	E45078_g10
j. British Columbia	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
	E45077_g11	E45078_g11
k. Yukon	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
	E45077_g12	E45078_g12
l. Northwest Territories	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
	E45077_g13	E45078_g13
m. Nunavut	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
	E45100	E45110
2018 - Total current and capital in-house R&D expenditures	\$ <input type="text"/> ,000	\$ <input type="text"/> ,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

Sources of funds for in-house R&D expenditures in 2018

13. In 2018, what were the **sources of funds** for this organization's total expenditures for **R&D performed in-house**?

Please report all amounts in **thousands of Canadian dollars**.

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 at question 10
- capital depreciation.

a. Funds from this organization

Include interest payments, fundraising and other income

From within Canada	From outside Canada
CAN\$ '000	CAN\$ '000
E64047 \$ <input type="text"/> ,000	E63037 \$ <input type="text"/> ,000
E65048 \$ <input type="text"/> ,000	E63038 \$ <input type="text"/> ,000
E64048 \$ <input type="text"/> ,000	
E65049 \$ <input type="text"/> ,000	

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

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	Provincial or territorial government contracts
CAN\$ '000	CAN\$ '000
E64049_g1 \$ <input type="text"/> ,000	E65051_g1: \$ <input type="text"/> ,000
E64049_g2 \$ <input type="text"/> ,000	E65051_g2 \$ <input type="text"/> ,000
E64049_g3: \$ <input type="text"/> ,000	E65051_g3 \$ <input type="text"/> ,000
E64049_g4 \$ <input type="text"/> ,000	E65051_g4 \$ <input type="text"/> ,000
E64049_g5 \$ <input type="text"/> ,000	E65051_g5 \$ <input type="text"/> ,000
E64049_g6 \$ <input type="text"/> ,000	E65051_g6 \$ <input type="text"/> ,000
E64049_g7 \$ <input type="text"/> ,000	E65051_g7 \$ <input type="text"/> ,000
E64049_g8: \$ <input type="text"/> ,000	E65051_g8 \$ <input type="text"/> ,000
E64049_g9 \$ <input type="text"/> ,000	E65051_g9 \$ <input type="text"/> ,000
E64049_g10 \$ <input type="text"/> ,000	E65051_g10 \$ <input type="text"/> ,000
E64049_g11 \$ <input type="text"/> ,000	E65051_g11 \$ <input type="text"/> ,000
E64049_g12 \$ <input type="text"/> ,000	E65051_g12 \$ <input type="text"/> ,000
E64049_g13 \$ <input type="text"/> ,000	E65051_g13 \$ <input type="text"/> ,000

Funds from private non-profit organizations

From within Canada

From outside Canada

CAN\$ '000

CAN\$ '000

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

B71013_nc1

E65052_nc1

\$,000

E63039_nc1

\$,000

Organization name

B71013_nc2

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

B71013_nc3

E65052_nc2

\$,000

E63039_nc2

\$,000

Organization name

B71013_nc4

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

B71013_nc5

E65052_nc3

\$,000

E63039_nc3

\$,000

Organization name

B71013_nc6

ah. Other sources

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

E64051

\$,000

E63041

\$,000

**2018 - Total in-house R&D expenditures by sources of funds
by origin (sum of questions a. to ah.)**

E60310

\$,000

E60320

\$,000

**2018 - 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 2018

14. In 2018, how were this organization's **total expenditures** for **R&D performed in-house** within Canada distributed by fields of research and development?

Please report all amounts in **thousands of Canadian dollars**.

Report '0' for no R&D expenditures.

Exclude:

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

CAN\$ '000

Medical and health sciences

a. Basic medicine	E45084_y1	\$,000
b. Clinical medicine	E45084_y2	\$,000
c. Health sciences	E45084_y3	\$,000
d. Medical biotechnology	E45084_y4	\$,000
e. Other medical sciences	E45084_y5	\$,000

Total medical and health sciences in-house R&D expenditures

E45120	\$,000
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Other fields of research and development

f. Natural and formal sciences	E45085	\$,000
g. Engineering and technology	E45086	\$,000
h. Software-related sciences and technologies	E45087	\$,000
i. Agricultural sciences	E45088	\$,000
j. Social sciences and humanities	E45089	\$,000

2018 - 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 2018

15. In 2018, 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 gained 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.

Percentage of total in-house R&D expenditures

a. Basic research	E45091_y1 <input type="text"/> <input type="text"/> <input type="text"/> %
b. Applied research	E45091_y2 <input type="text"/> <input type="text"/> <input type="text"/> %
c. Experimental development	E45091_y3 <input type="text"/> <input type="text"/> <input type="text"/> %
Total percentage	E45140 <input type="text"/> 1 <input type="text"/> 0 <input type="text"/> 0 %

Results of R&D expenditures from 2016 to 2018

16. During the three (3) years **2016, 2017 and 2018**, did this organization's **total expenditures** for **R&D performed in-house and payments for R&D** made within 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"/>

In-house R&D personnel in 2018

17. In 2018, how many **in-house R&D personnel** within Canada did this organization have in the following **R&D** occupations?

Please report in **full-time equivalents (FTE)**.

Include on-site consultants and contractors in line e.

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

Number of full-time equivalents

a. Scientists, social scientists, engineers and researchers

Include software developers and programmers

B20045_y1

 .

B20045_y2

 .

b. Senior research managers

B20045_y3

 .

Total researchers and research managers

R&D technical, administrative and support staff

c. Technicians, technologists and research assistants

Include software technicians

B20045_y4

 .

B20045_y5

 .

d. Other **R&D** technical, administrative and support staff

B20045_y6

 .

Total R&D technical, administrative and support staff

Other R&D occupations

e. On-site **R&D** consultants and contractors

B20045_y7

 .

B20040

 .

Total in-house R&D personnel within Canada (sum of questions a. to e.)

Percentage

B20046

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

 %

19. In 2018, 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

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Technology and technical assistance payments in 2018

20. In 2018, how much did this organization pay to other organizations for technology and technical assistance?

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
	E46099_pc1	E43043_pc1
a. Patents	\$,000	\$,000
	E46099_pc2	E43043_pc2
b. Copyrights	\$,000	\$,000
	E46099_pc3	E43043_pc3
c. Trademarks	\$,000	\$,000
	E46099_pc4	E43043_pc4
d. Industrial designs	\$,000	\$,000
	E46099_pc5	E43043_pc5
e. Integrated circuit topography	\$,000	\$,000
	E46099_pc6	E43043_pc6
f. Original software	\$,000	\$,000
	E46099_pc7	E43043_pc7
g. Packaged or off-the-shelf software	\$,000	\$,000
	E46099_pc8	E43043_pc8
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
	E46099_pc9	E43043_pc9
	E46220	E43040
Total payments made to affiliated organizations (sum of questions a. to i.)	\$,000	\$,000

Payments made to other organizations, companies or individuals

	E46101_pc1	E43044_pc1
j. Patents	\$,000	\$,000
	E46101_pc2	E43044_pc2
k. Copyrights	\$,000	\$,000
	E46101_pc3	E43044_pc3
l. Trademarks	\$,000	\$,000
	E46101_pc4	E43044_pc4
m. Industrial designs	\$,000	\$,000
	E46101_pc5	E43044_pc5
n. Integrated circuit topography	\$,000	\$,000
	E46101_pc6	E43044_pc6
o. Original software	\$,000	\$,000
	E46101_pc7	E43044_pc7
p. Packaged or off-the-shelf software	\$,000	\$,000
	E46101_pc8	E43044_pc8
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
	E46101_pc9	E43044_pc9
	E46230	E43050
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.)**

E46260 E43060
\$,000 \$,000

21. In 2018, how much did this organization receive from other organizations for technology and technical assistance?

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 within Canada
CAN\$ '000

E46102_pc1 \$,000
E46102_pc2 \$,000
E46102_pc3 \$,000
E46102_pc4 \$,000
E46102_pc5 \$,000
E46102_pc6 \$,000
E46102_pc7 \$,000
E46102_pc8 \$,000
E46102_pc9 \$,000

E46240 \$,000

Payments received from outside Canada
CAN\$ '000

E63042_pc1 \$,000
E63042_pc2 \$,000
E63042_pc3 \$,000
E63042_pc4 \$,000
E63042_pc5 \$,000
E63042_pc6 \$,000
E63042_pc7 \$,000
E63042_pc8 \$,000
E63042_pc9 \$,000

E63030 \$,000

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.)

E46103_pc1 \$,000
E46103_pc2 \$,000
E46103_pc3 \$,000
E46103_pc4 \$,000
E46103_pc5 \$,000
E46103_pc6 \$,000
E46103_pc7 \$,000
E46103_pc8 \$,000
E46103_pc9 \$,000

E46250 \$,000

E63043_pc1 \$,000
E63043_pc2 \$,000
E63043_pc3 \$,000
E63043_pc4 \$,000
E63043_pc5 \$,000
E63043_pc6 \$,000
E63043_pc7 \$,000
E63043_pc8 \$,000
E63043_pc9 \$,000

E63040 \$,000

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

E46270 \$,000

E63050 \$,000

Changes or events

1. 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** project(s)

B00316_r2

☐

Initiation of new **R&D** project(s)

B00316_r3

☐

Completion of existing **R&D** project(s)

B00316_r4

☐

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

B00316_r5

☐

Major change in funding of **R&D** project(s) (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

B00316_r8

☐

Other reason — specify:

B00316_r9

OR

B00316_r10

☐

No changes or events

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Contact person

1. 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)

Copyright

Telephone number (including area code)

Example: 123-123-1234

Extension number

(if applicable)

Fax number (including area code)

Example: 123-123-1234

DE

Feedback

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

Include the time spent gathering the necessary information.

Hours

Minutes

3. We invite your comments about this questionnaire.

B00002

A sheet of white paper with horizontal grey lines. In the top left corner, there is a red stamp that reads "INFO" on the first line and "DO NOT" on the second line, with the word "WRITE" partially visible on the third line. The stamp is oriented diagonally.

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 the information from this survey for statistical purposes only.

Statistics Canada will use information from this 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 18) and in-house research and development personnel (Question 26) 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 18) and in-house research and development personnel (Question 26) 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