

Business Expenditure on Research and Development - 2023

You are completing this for CSO (Central Statistics Office)

If the company details or structure have changed contact us by email: bsi@cso.ie

The Business Expenditure on Research and Development (BERD) Survey is a biennial survey that is conducted by the CSO. The survey collects information on research and development activities of enterprises and private non-profit organisations across all business sectors of the economy.

The BERD Survey is conducted under the Statistics (Business Expenditure on Research and Development) Order 2024 {{S.I. No 190 of 2024}} made under the Statistics Act, 1993 and is required for Commission Implementing Regulation (EU) No. 2152/2019 of 27 November 2019.

The information you provide will be treated as strictly confidential in accordance with Section 33 of the Statistics Act, 1993 and with EU law.

If you require further information, please contact the CSO by email at bsi@cso.ie (please include your CSO Identifier in all emails).

The most recent published results are available here: [Published Results](#)

Section 1 - General Classification Data

General Classification Data

Research and Development (R&D) refers to creative and systematic work undertaken in order to increase the stock of knowledge (including knowledge of humankind, culture and society) and to devise new applications of available knowledge.

The information provided should cover all branches/plants run by the enterprise (company) at all locations in the State.

Some further information regarding any such branches/plants that are engaged in R&D activities and are controlled by your enterprise is required under Branches/Plants Controlled by the Enterprise Section.

Do not include: Data for subsidiaries based abroad or parent companies based abroad.

Mandatory

Q1.1 Did your enterprise perform any in-house R&D in 2023?

This includes R&D performed by you on behalf of other enterprises.

☐

Yes

☐

No

Mandatory

Q1.2 Was any R&D performed on your behalf by other parties in 2023?
(i.e. Sub- contracted R&D performed by other companies/institutes)

☐

Yes

☐

No

Mandatory

Q1.3 Does your enterprise plan to perform any in-house R&D in 2024?

☐

Yes

☐

No

Mandatory. Display if Q1.1 = yes

Q1.4 Did your enterprise control any branches/plants engaged in in-house R&D activities in 2024?

Further information regarding any such branches/plants that are engaged in R&D activities and are controlled by your enterprise is required under Branches/Plants Controlled by the Enterprise Section.

☐

Yes

☐

No

Mandatory. Display if Q1.1 = yes and Q1.2 and Q1.3 = yes

Q1.5 Is your enterprise part of an enterprise group?

☐

Yes

☐

No

Enterprise Group

A group consists of two or more legally defined enterprises under common ownership.

Each enterprise in the group may serve different markets, as with national or regional subsidiaries, or serve different product markets.

The head office is also part of an enterprise group.

Mandatory. Display if Q1.5 = yes

Q1.5.1 In which country is the head office of your group located?

This is the only question that refers to entities abroad. Please answer all further questions **only** for your enterprises in Ireland.

Enter the first 3 letters of the country and then select from the list.

☐

List of Standard Countries

Mandatory. Display if Q1.1 = yes or Q1.3 = yes

Q1.6 Does your enterprise have a dedicated R&D unit/ department?

☐

Yes

☐

No

DISPLAY LOGIC**Expenditure on In-house R&D Activity**

This section is skipped entirely if Q1.1 "Did your enterprise perform any in-house R&D in 2023?" = No AND Q1.3 Does your enterprise plan to perform any in-house R&D in 2024 = No

If Q1.1 "Did your enterprise perform any in-house R&D in 2023?" = Yes AND Q1.3 Does your enterprise plan to perform any in-house R&D in 2024 = No THEN Q2.1 question set asked

If Q1.1 "Did your enterprise perform any in-house R&D in 2023?" = No AND Q1.3 Does your enterprise plan to perform any in-house R&D in 2024 = Yes THEN Q2.7 question set asked

If Q1.1 "Did your enterprise perform any in-house R&D in 2023?" = Yes AND Q1.3 Does your enterprise plan to perform any in-house R&D in 2024 = Yes THEN All parts asked

Section 2 - Expenditure on In-house R&D Activity

Expenditure on In-house R&D Activity

This section aims to measure the financial resources allocated by your company to in-house R&D. Expenditure on in-house R&D across all branches your enterprise controls should be included (if applicable).

Please use the following general rules to decide what should be included as R&D and what should be excluded from R&D. In general terms, if the primary objective of the work is to make technical improvement to products or processes, then the work comes within the definition of R&D.

If, on the other hand, the product, process or approach is substantially set and the primary objective is to develop markets, to do pre-production planning or to get a production or control system working smoothly, then the work is not R&D.

Include in R&D

- Development of prototypes for new or improved products or processes
- Construction and development of pilot plants
- Industrial design and drawing directly linked to R&D projects
- Industrial engineering and tooling up directly associated with the development of new or improved products or processes
- Trial production (if it implied full-scale testing and subsequent further design and engineering)
- Software development with an element of novelty

Exclude from R&D

- Patent and licence work which is not related to any R&D product
- Routine testing, standardisation and pre-production preparation
- After-sales service and trouble-shooting, general purpose data collection, including market research
- Feasibility studies
- Enforcement of standards and regulation
- Routine software modifications
- Non-R&D activity funded from the Innovation Voucher Scheme

Mandatory. Display if Q1.1 = yes**Q2.1** Which type of expenditure did your enterprise incur for in-house R&D in 2023?**Current expenditure includes**

- Labour costs (for R&D purposes)
- Other current costs (for R&D purposes)

Capital expenditure includes

- Land and buildings (acquired for R&D purposes)
- Payments made for licenses to use intellectual products for more than a year (for R&D purposes)
- Instruments and equipment excluding software (for R&D purposes)
- Software purchased (acquired wholly for R&D purposes)
- Software developed by your company in-house and used in-house (developed for R&D purposes)

☐

Current Expenditure

☐

Capital Expenditure

☐

Both Current and Capital Expenditure

Breakdown of current expenditure on in-house R&D in 2024

If figure is nil, please enter zero.

Only answer this question if Q2.1 Contains Any 1 Current Expenditure or 3 Both Current and Capital Expenditure**Q2.2.1 Labour Costs**

(e.g. wages, salaries and all costs of personnel directly associated with R&D)

€

Only answer this question if Q2.1 Contains Any 1 Current Expenditure or 3 Both Current and Capital Expenditure

Q2.2.2 Other current costs (associated with R&D)

(e.g. materials, supplies and equipment, literature and subscriptions, overheads associated with R&D)
Exclude: Software and purchases of licences to use intellectual products for more than a year)

 €

Only answer this question if Q2.1 Contains Any 1 Current Expenditure

We have calculated total current expenditure linked to in-house R&D in 2023

Please review your answers and confirm these are correct

Breakdown of Current Expenditure on In-house R&D in 2023

Labour costs {{Amt}}

Other current costs (associated with R&D) {{Amt}}

Total Current Expenditure in {{Survey Period}} {{Amt}}

☐

Yes, I confirm these are correct

Breakdown of Capital Expenditure Directly Linked to In-house R&D in 2023

If figure is nil, please enter zero.

Only answer this question if Q2.1 Contains Any 2 Capital Expenditure or 3 Both Current and Capital Expenditure

Q2.3.1 Land and buildings (acquired for R&D purposes)

(e.g. sites for laboratories and pilot plants, buildings purchased, constructed and repaired directly for R&D)

 €

Only answer this question if Q2.1 Contains Any 2 Capital Expenditure or 3 Both Current and Capital Expenditure

Q2.3.2 Payments made for licenses to use intellectual products for more than a year
(for R&D purposes)

€

Only answer this question if Q2.1 Contains Any 2 Capital Expenditure or 3 Both Current and Capital Expenditure

Q2.3.3 Instruments and equipment excluding software

(for R&D purposes) (e.g. major instruments and other capital equipment acquired wholly for R&D purposes)

€

Only answer this question if Q2.1 Contains Any 2 Capital Expenditure or 3 Both Current and Capital Expenditure

Q2.3.4 Software purchased
(acquired wholly for R&D purposes)

€

Only answer this question if Q2.1 Contains Any 2 Capital Expenditure or 3 Both Current and Capital Expenditure

Q2.3.5 Software developed by your company in-house and used in-house
(developed for R&D purposes)

€

Only answer this question if Q2.1 Contains Any 2 Capital Expenditure

We have calculated total capital expenditure directly linked to in-house R&D in 2023

Please review your answers and confirm these are correct

Breakdown of Capital Expenditure Directly Linked to In-house R&D in 2023

Land and buildings {{Amt}}

(acquired for R&D purposes)

Payments made for licenses to use intellectual products for more than a year {{Amt}}

(for R&D purposes)

Instruments and equipment excluding software {{Amt}}

(for R&D purposes)

Software purchased {{Amt}}

(acquired wholly for R&D purposes)

Software developed by your company in-house and used in-house {{Amt}}

(developed for R&D purposes)

Total Capital Expenditure in 2023 {{Amt}}

☐

Yes, I confirm these are correct

Section 2 - Expenditure on In-house R&D Activity

Only answer this question if Q2.1 Contains Any 2 Capital Expenditure or 3 Both Current and Capital Expenditure

We have calculated the total expenditure (current and capital) linked to in-house R&D in 2023

Please review your answers and confirm these are correct

Breakdown of Current Expenditure on In-house R&D in 2023

Labour costs

Other current costs (associated with R&D) {{Amt}}

Breakdown of Capital Expenditure Directly Linked to In-house R&D in 2023 {{Amt}}

Land and buildings {{Amt}}
(acquired for R&D purposes)

Payments made for licenses to use intellectual products for more than a year {{Amt}}
(for R&D purposes)

Instruments and equipment excluding software {{Amt}}
(for R&D purposes)

Software purchased {{Amt}}
(acquired wholly for R&D purposes)

Software developed by your company in-house and used in-house {{Amt}}
(developed for R&D purposes)

Total Current and Capital Expenditure in 2023 {{Amt}}

☐

Yes, I confirm these are correct

Q2.4 Of the total {{type}} expenditure ({{Amt}}) on in-house R&D in 2023, what percentage relates to:

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.1 Mathematics, Computer and Information Science
(Natural Sciences)

 %

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.2 Physical or Chemical Sciences

(Natural Sciences)

 %

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.3 Earth and related Environmental Sciences

(Natural Sciences)

 %

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.4 Biological Sciences

(Natural Sciences)

 %

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.5 Civil or Environmental Engineering

(Engineering and Technology)

 %

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.6 Electrical, Electronic or Information Engineering

(Engineering and Technology)

 %

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.7 Mechanical or Medical Engineering

(Engineering and Technology)

 %

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.8 Chemical or Materials Engineering

(Engineering and Technology)

 %

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.9 Environmental or Industrial Biotechnology

(Engineering and Technology)

 %

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.10 Nano-technology

(Engineering and Technology)

%

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.11 Basic or Clinical Medicine

(Medical and Health Sciences)

%

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.12 Health Sciences

(Medical and Health Sciences)

%

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.13 Health Biotechnology

(Medical and Health Sciences)

 %

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.14 Agriculture, Forestry and Fisheries, Animal and Dairy Science

(Agricultural Sciences)

 %

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.15 Veterinary Science

(Agricultural Sciences)

 %

Sum of 2.4(a)- 2.4(p) must = 100%
Display only if 2.2 is Not Empty Or 2.3 is Not Empty

Q2.4.16 Agricultural Biotechnology

(Agricultural Sciences)

 %

Only answer this question Q1.3 Contains Any 1 Yes

Q2.7 Which type of estimated expenditure does your enterprise intend to incur on in-house R&D in 2024?

Current expenditure includes

- Labour costs (for R&D purposes)
- Other current costs (for R&D purposes)

Capital expenditure includes

- Land and buildings (acquired for R&D purposes)
- Payments made for licenses to use intellectual products for more than a year (for R&D purposes)
- Instruments and equipment excluding software (for R&D purposes)
- Software purchased (acquired wholly for R&D purposes)
- Software developed by your company in-house and used in-house (developed for R&D purposes)

☐

Estimated current expenditure

☐

Estimated capital expenditure (directly linked to in-house R&D for {{Survey Year}})

☐

Both estimated current and capital expenditure

Breakdown of estimated current expenditure on in-house R&D for 2023

Only answer this question if Q2.7

Contains Any 1 Estimated current expenditure or 3 Both estimated current and capital expenditure

Q2.8.1 Labour costs

(wages, salaries and all costs of personnel directly associated with R&D)

 €

Only answer this question if Q2.7

Contains Any 1 Estimated current expenditure or 3 Both estimated current and capital expenditure

Q2.8.2 Other current costs (associated with R&D)

(e.g. materials, supplies and equipment, literature and subscriptions, overheads associated with R&D but excluding software and purchases of licences to use intellectual products for more than a year)

 €

Only answer this question if Q2.7 Contains Any 1 Estimated current expenditure

We have calculated total estimated current expenditure on in-house R&D in 2024

Please review your answers and confirm these are correct

Breakdown of Estimated Current Expenditure on In-house R&D in 2024

Labour costs {Amt}}

Other current costs (associated with R&D) {{Amt}}

Total Estimated Current Expenditure in {{Survey Year}} {{Amt}}

☐

Yes, I confirm these are correct

Breakdown of estimated Capital Expenditure directly linked to in-house R&D for 2024

Only answer this question if Equals $\text{Sum}(\text{Est_CapExp_Land_buildings}, \text{Est_CapExp_Licenses_IntelProd}, \text{Est_CapExp_instrum_equipment}, \text{Est_CapExp_Software_Purchase}, \text{Est_CapExp_Software_Devel_inhouse})$

Q2.9.1 Land and buildings (acquired for R&D purposes)

(e.g. sites for laboratories and pilot plants, buildings purchased, constructed and repaired directly for R&D)

€

Only answer this question if Equals $\text{Sum}(\text{Est_CapExp_Land_buildings}, \text{Est_CapExp_Licenses_IntelProd}, \text{Est_CapExp_instrum_equipment}, \text{Est_CapExp_Software_Purchase}, \text{Est_CapExp_Software_Devel_inhouse})$

Q2.9.2 Payments made for licenses to use intellectual products for more than a year
(for R&D purposes)

€

Only answer this question if Equals $\text{Sum}(\text{Est_CapExp_Land_buildings}, \text{Est_CapExp_Licenses_IntelProd}, \text{Est_CapExp_instrum_equipment}, \text{Est_CapExp_Software_Purchase}, \text{Est_CapExp_Software_Devel_inhouse})$

Q2.9.3 Instruments and equipment excluding software (for R&D purposes)

(e.g. major instruments and other capital equipment acquired wholly for R&D purposes)

€

Only answer this question if Equals $\text{Sum}(\text{Est_CapExp_Land_buildings}, \text{Est_CapExp_Licenses_IntelProd}, \text{Est_CapExp_instrum_equipment}, \text{Est_CapExp_Software_Purchase}, \text{Est_CapExp_Software_Devel_inhouse})$

Q2.9.4 Software purchased (acquired wholly for R&D purposes)

€

Only answer this question if Equals Sum(Est_CapExp_Land_buildings, Est_CapExp_Licenses_IntelProd, Est_CapExp_instrum_equipment, Est_CapExp_Software_Purchase, Est_CapExp_Software_Devel_inhouse)

Q2.9.5 Software developed by your company in-house and used in-house
(developed for R&D purposes)

 €

Only answer this question if Q2.7 Contains Any 2 Estimated capital expenditure (directly linked to in- house R&D for {{Survey Year}})

We have calculated total estimated capital expenditure directly linked to in-house R&D in 2024

Please review your answers and confirm these are correct

Breakdown of Estimated Capital Expenditure Directly Linked to In-house R&D in 2024

Land and buildings (acquired for R&D purposes) {{Amt}}

Payments made for licenses to use intellectual products for more than a year {{Amt}}
(for R&D purposes)

Instruments and equipment excluding software {{Amt}}
(for R&D purposes)

Software purchased {{Amt}}
(acquired wholly for R&D purposes)

Software developed by your company in-house and used in-house {{Amt}}
(developed for R&D purposes)

Total Estimated Capital Expenditure in {{Survey year}} {{Amt}}

☐

Yes, I confirm these are correct

Of the total estimated expenditure (Current {{Tot_Est_CurrExp_Inhouse}} + Capital {{Tot_Est_CapExp_Inhouse}}) on in-house R&D in {{SurveyYear}}, what percentage relates to:

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.1 Mathematics, Computer and Information Science

(Natural Science)

 %

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.2 Physical or Chemical Sciences

(Natural Science)

 %

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.3 Earth and related Environmental Sciences

(Natural Science)

 %

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.4 Biological Sciences

(Natural Science)

%

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.5 Civil or Environmental Engineering

(Engineering and Technology)

%

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.6 Electrical, Electronic or Information engineering

(Engineering and Technology)

%

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.7 Mechanical or Medical Engineering

(Engineering and Technology)

 %

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.8 Chemical or Materials Engineering

(Engineering and Technology)

 %

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.9 Environmental or Industrial Biotechnology

(Engineering and Technology)

 %

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.10 Nano-technology

(Engineering and Technology)

 %

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.11 Basic or Clinical Medicine

(Medical and Health Sciences)

 %

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.12 Health Sciences

(Medical and Health Sciences)

 %

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.13 Health Biotechnology

(Medical and Health Sciences)

 %

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.14 Agriculture, Forestry and Fisheries, Animal and Dairy Science

(Agricultural Sciences)

 %

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.15 Veterinary Science

(Agricultural Sciences)

 %

Sum of Q2.11.1 -Q2.11.16 must = 100%

Q2.11.16 Biotechnology

(Agricultural Sciences)

%

Only answer this question if Q2.7 Contains Any 2 Estimated capital expenditure (directly linked to in- house R&D for {{Survey Year}} or 3 Both estimated current and capital expenditure

We have calculated the total expenditure (current and capital) linked to in-house R&D in 2024

Please review your answers and confirm these are correct

Breakdown of Estimated Current Expenditure on In-house R&D in 2024

Labour costs {{Amt}}

Other current costs (associated with R&D) {{Amt}}

Breakdown of Estimated Capital Expenditure Directly Linked to In-house R&D in {{Survey Year}} {{Amt}}

Land and buildings (acquired for R&D purposes) {{Amt}}

Payments made for licenses to use intellectual products for more than a year {{Amt}}
(for R&D purposes)

Instruments and equipment excluding software {{Amt}}
(for R&D purposes)

Software purchased {{Amt}}
(acquired wholly for R&D purposes)

Software developed by your company in-house and used in-house {{Amt}}
(developed for R&D purposes)

Total Estimated Current and Capital Expenditure in {{Survey Year}} {{Amt}}

☐

Yes, I confirm these are correct

Section 3 - Sources of Funds for In-house R&D in 2023

Mandatory Q1.1 = yes

Q3.1 Regarding your expenditure on in-house R&D in 2023, did your enterprise source funds (including own company funds) from:

☐

Within the Republic of Ireland

☐

Outside the Republic of Ireland

☐

Both within & outside the Republic of Ireland

Breakdown of Funding from Within the Republic of Ireland for In-house R&D Undertaken in 2023:

Please Note: The Funding Total should add up to Total Expenditure in 2023.

If figure is nil, please enter zero.

Only answer this question if Q3.1 Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0

Mandatory

Q3.2.1 Own company/internal Funds

€

Only answer this question if Q3.1 Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.2.2 Other companies
R&D performed on their behalf

 €

Only answer this question if Q3.1 Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.2.3 Government grants for R&D

 €

Only answer this question if Q3.1 Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.2.4 Other public funding

 €

Only answer this question if Q3.1 Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.2.5 Higher Education Institutes

 €

Only answer this question if Q3.1 Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.2.6 Private non-profit institutes

€

Only answer this question if Q3.1 Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.2.7 Other sources

€

Only answer this question if Q3.1 Greater than 0 and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory. if Q3.27 is greater than 0

Q3.2.8 Other Sources of funding within the Republic of Ireland

Please specify other sources

Breakdown of Funding from Outside the Republic of Ireland for In-house R&D Undertaken in 2023:

Please Note: The Funding Total should add up to Total Expenditure in 2023.

If figure is nil, please enter zero.

Only answer this question if Q3.1 Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.3.1 Own company/internal funds

€

Only answer this question if Q3.1 Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.3.2 Other companies
R&D performed on their behalf

€

Only answer this question if Q3.1 Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.3.3 Government grants for R&D

€

Only answer this question if Q3.1 Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.3.4 Other public funding

 €

Only answer this question if Q3.1 Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.3.5 Higher education institutes

 €

Only answer this question if Q3.1 Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.3.6 Private non-profit institutes

 €

Only answer this question if Q3.1 Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.3.7 European Commission

 €

Only answer this question if Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.3.8 International Organisations

 €

Only answer this question if Q3.1 Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.3.9 Other sources

 €

Only answer this question if Q3.1 Greater than 0 and Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0
Mandatory

Q3.3.10 Other Sources of funding from outside the Republic of Ireland

Please specify other sources

Only answer this question if Display if 'total current expenditure', and 'total capital expenditure', linked to in-house R&D is great than 0

Mandatory

We have calculated the total funding (within and from outside the Republic of Ireland) for in- house R&D in 2023

Please review your answers and confirm these are correct

Breakdown of Funding from Within the Republic of Ireland for In-house R&D Undertaken in 2023:

Own company/internal funds {{Amt}}
 Other companies {{Amt}}
 Government grants for R&D {{Amt}}
 Other public funding {{Amt}}
 Higher education institutes {{Amt}}
 Private non-profit institutes {{Amt}}

Breakdown of Funding from Outside the Republic of Ireland for In-house R&D Undertaken in 2023:

Own company/internal funds {{Amt}}
 Other companies {{Amt}}
 Government grants for R&D {{Amt}}
 Other public funding {{Amt}}
 Higher education institutes {{Amt}}
 Private non-profit institutes {{Amt}}
 European Commission {{Amt}}
 International Organisations {{Amt}}
 Other sources {{Amt}}

Total funding (within & outside the Republic of Ireland) for in-house R&D in 2023

☐

Yes, I confirm these are correct

Section 4 - Type of In-house R&D Activity in 2023

Q4.1 Please indicate the breakdown of total in-house R&D expenditure in terms of the following categories:

If figure is nil, please enter zero.

IFQ1.1 = yes

sum of (RD_breakdown_basic, RD_breakdown_applied, RD_breakdown_Experimental) must = 100 and
Sum(RD_Breakdown_Basic,RD_Breakdown_Applied,RD_Breakdown_Experimental) = 100%

Q4.1.1 Basic research

Experimental or theoretical work undertaken primarily to acquire new knowledge, without any particular application or use in view.

 %

If Q1.1 = yes

sum of (RD_breakdown_basic, RD_breakdown_applied, RD_breakdown_Experimental) = 100
Sum(RD_Breakdown_Basic,RD_Breakdown_Applied,RD_Breakdown_Experimental) = 100%

Q4.1.2 Applied research

Original investigation undertaken in order to acquire new knowledge, primarily directed towards a specific practical aim or objective.

 %

If Q1.1 = yes

sum of (RD_breakdown_basic, RD_breakdown_applied, RD_breakdown_Experimental) must = 100

Sum(RD_Breakdown_Basic, RD_Breakdown_Applied, RD_Breakdown_Experimental) must = 100%

Q4.1.3 Experimental development

Systematic work, drawing on existing knowledge gained from research and practical experience that is directed to producing new materials, products and devices, to installing new process, systems and services or to improving substantially those already produced or installed.

 %

Section 5 - Expenditure on R&D performed on your behalf

Only answer this question if Q1.2 = yes

Q5.1 Of the R&D performed on your behalf by other parties in 2023, were these:

☐

Within the Republic of Ireland

☐

Outside the Republic of Ireland

☐

Both within & outside the Republic of Ireland

Breakdown of Expenditure to Parties Outside your Enterprise, Within the Republic of Ireland, for R&D performed on your behalf in 2023:

If figure is nil, please enter zero.

Only answer this question if Q5.1 Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland

Q5.2.1 Related companies

(parent, subsidiary, other affiliates)

 €

Only answer this question if Q5.1 Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland

Q5.2.2 Non-related companies

 €

Only answer this question if Q5.1 Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland

Q5.2.3 Government research companies

 €

Only answer this question if Q5.1 Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland

Q5.2.4 Higher education institutes/universities

 €

Only answer this question if Q5.1 Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland

Q5.2.5 Private R&D institutes/laboratories

€

Only answer this question if Q5.1 Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland

Q5.2.6 Other parties paid within the Republic of Ireland

€

Only answer this question if Q5.1 Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland

Q5.2.7 Other parties paid within the Republic of Ireland

Please specify other parties

Only answer this question if Q5.1 Contains Any 1 Within the Republic of Ireland and Section is mandatory

We have calculated total paid to parties outside your enterprise, within the Republic of Ireland for In-house R&D undertaken in 2023

Please review your answers and confirm these are correct

Breakdown of Expenditure to Parties Outside your Enterprise, Within the Republic of Ireland, for R&D performed on your behalf in 2023:

Related companies {{Amt}}

Non-related companies {{Amt}}

Government research companies {{Amt}}

Higher education institute/universities {{Amt}}

Private R&D institutes/laboratories {{Amt}}

Other parties paid within the Republic of Ireland {{Amt}}

Total Paid Within the Republic of Ireland in 2023 {{Amt}}

☐

Yes, I confirm these are correct

Breakdown of Expenditure to Parties Outside your Enterprise, Outside the Republic of Ireland, for R&D performed on your behalf in 2023

If figure is nil, please enter zero.

Only answer this question if Q5.1 Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Section mandatory to be completed if displayed according to the display logic specified**Q5.3.1 Related companies**

(parent, subsidiary, other affiliates)

 €

Only answer this question if Q5.1 Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Section mandatory to be completed if displayed according to the display logic specified

Q5.3.2 Non-related companies

 €

Only answer this question if Q5.1 Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Section mandatory to be completed if displayed according to the display logic specified

Q5.3.3 Government research companies

 €

Only answer this question if Q5.1 Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Section mandatory to be completed if displayed according to the display logic specified

Q5.3.4 Higher Education institutes/universities

 €

Only answer this question if Q5.1 Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Section mandatory to be completed if displayed according to the display logic specified

Q5.3.5 Private R&D institutes/laboratories

 €

Only answer this question if Q5.1 Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and Section mandatory to be completed if displayed according to the display logic specified

Q5.3.6 Other parties paid outside the Republic of Ireland

€

Only answer this question if Q5.3.6 Greater than 0

Q5.3.7 Other parties paid outside the Republic of Ireland

Please specify other parties

Only answer this question if Q5.1 Contains Any 2 Outside the Republic of Ireland and Section mandatory to be completed if displayed according to the display logic specified

We have calculated total paid to parties outside your enterprise, outside the Republic of Ireland for In-house R&D undertaken in 2023

Please review your answers and confirm these are correct

Breakdown of Expenditure to Parties Outside your Enterprise, Outside the Republic of Ireland, for R&D performed on your behalf in 2023:

Related companies {{Amt}}

Non-related companies {{Amt}}

Government research companies {{Amt}}

Higher education institute/universities {{Amt}}

Private R&D institutes/laboratories {{Amt}}

Other parties paid outside the Republic of Ireland {{Amt}}

Total Paid Outside the Republic of Ireland in 2023 {{Amt}}

☐

Yes, I confirm these are correct

Only answer this question if Q5.1 Contains Any 3 Both within & outside the Republic of Ireland and Section mandatory to be completed if displayed according to the display logic specified

We have calculated total paid to parties outside your enterprise, {{within and outside the Republic of Ireland}} for In-house R&D undertaken in 2023

Please review your answers and confirm these are correct

Breakdown of Expenditure to Parties Outside your Enterprise, Within the Republic of Ireland, for R&D performed on your behalf in 2023:

Related companies

Non-related companies {{Amt}}

Government research companies {{Amt}}

Higher education institute/universities {{Amt}}

Private R&D institutes/laboratories {{Amt}}

Other parties paid within the Republic of Ireland {{Amt}}

Breakdown of Expenditure to Parties Outside your Enterprise, Outside the Republic of Ireland, for R&D performed on your behalf in 2023:

Related companies {{Amt}}

Non-related companies {{Amt}}

Government research companies {{Amt}}

Higher education institute/universities {{Amt}}

Private R&D institutes/laboratories {{Amt}}

Other parties paid outside the Republic of Ireland {{Amt}}

Total Paid Within & Outside the Republic of Ireland in 2023

☐

Yes, I confirm these are correct

Section 6 - In-house R&D Personnel in 2023

Breakdown of staff involved in in-house R&D during 2023

If figure is nil, please enter zero.

Include: All branches controlled by your enterprise.

Only answer this question if Q1.1 = Yes

Q6.1 Males

Only answer this question if Q1.1 = Yes

Q6.2 Females

Mandatory if the sequence is displayed according

We have calculated staff involved in in-house R&D during 2023

Please review your answers and confirm these are correct

Breakdown of Staff involved in In-house R&D during 2023

Males {{Amt}}

Females {{Amt}}

Total Number of Staff Involved in In-house R&D in 2023

☐

Yes, I confirm these are correct

Breakdown of Male personnel involved in in-house R&D during 2023

Only answer this question if 6.1 is greater than 0

Q6.1.1 PhD qualified researchers

Only answer this question if 6.1 is greater than 0

Q6.1.2 Other researchers

Only answer this question if 6.1 is greater than 0

Q6.1.3 Technicians

Only answer this question if 6.1 is greater than 0

Q6.1.4 Support staff

Breakdown of Female personnel involved in in-house R&D during 2023

Only answer this question if 6.2 is greater than 0

Q6.2.1 PhD qualified researchers

Only answer this question if 6.2 is greater than 0

Q6.2.2 Other researchers

Only answer this question if 6.2 is greater than 0

Q6.2.3 Technicians

Only answer this question if 6.2 is greater than 0

Q6.2.4 Support staff

Only answer this question if All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.3.1 PhD Qualified Researchers

Average % of time spent on R&D during 2023

As staff may share their time between R&D and non R&D activities, please estimate the average percentage of time spent on R&D

%

Only answer this question if All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.3.2 Other Researchers

Average % of time spent on R&D during {{SurveyYear-1}}

As staff may share their time between R&D and non R&D activities, please estimate the average percentage of time spent on R&D

%

Only answer this question if All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.3.3 Technicians

Average % of time spent on R&D during {{SurveyYear-1}}

As staff may share their time between R&D and non R&D activities, please estimate the average percentage of time spent on R&D

 %

Only answer this question if All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.3.4 Support staff

Average % of time spent on R&D during {{SurveyYear-1}}

As staff may share their time between R&D and non R&D activities, please estimate the average percentage of time spent on R&D

 %

Q6.4 Recruitment of Researchers: At what level of qualification are you likely to increase R&D personnel (researchers) over the period 2024 -2029?

Only answer this question if Q1.1 Contains Any 1 Yes

Q6.4.1 Diploma

- ☐ Very likely
- ☐ Likely
- ☐ Unlikely
- ☐ Very unlikely

Only answer this question if Q1.1 Contains Any 1 Yes

Q6.4.2 Bachelor's degree

☐

Very likely

☐

Likely

☐

Unlikely

☐

Very unlikely

Only answer this question if Q1.1 Contains Any 1 Yes

Q6.4.3 Masters

☐

Very likely

☐

Likely

☐

Unlikely

☐

Very unlikely

Only answer this question if Q1.1 Contains Any 1 Yes

Q6.4.4 PhD

☐

Very likely

☐

Likely

☐

Unlikely

☐

Very unlikely

Section 7 - Collaboration

Enterprise Group.

A group consists of two or more legally defined enterprises under common ownership.

Each enterprise in the group may serve different markets, as with national or regional subsidiaries, or serve different product markets.

The head office is also part of an enterprise group.

Q7.1 Did your company engage in joint research projects with any of the following parties in 2023?

Select all that apply

☐

Other firms in Ireland

☐

Other firms outside Ireland

☐

Higher education or other institutions in Ireland

☐

Higher education or other institutions outside Ireland

☐

No joint research engaged in

Section 8 - Local Units

Branches/Plants Controlled by the Enterprise

As your enterprise controls branches/plants engaged in R&D activities, this section asks you to provide details of each branch including the head office.

The Staff Total in this section should add up to {{value}}.

The Expenditure Total should add up to Total Expenditure in 2023 as given in Expenditure on In-house R&D Activity Section.

This section asks you to provide details of your enterprise and up to seven branches. If you have more branches than this please email the CSO at bsi@cs0.ie to arrange another way to include your information in the survey.

The following questions repeat when Q8.1.5 = yes

Details of Branch/Plant {{Number 1}}

Only answer this question if Q1.4 Contains Any 1 Yes

Q8.1.1 Branch/ Plant name

Only answer this question if Q1.4 Contains Any 1 Yes

Q8.1.2 County

Standard Classification Counties and NUTS

Only answer this question if Q1.4 Contains Any 1 Yes

Q8.1.3 Total number of persons engaged in R&D related activities during 2023

If figure is nil please enter zero

Only answer this question if Q1.4 Contains Any 1 Yes

Q8.1.4 R&D related expenditure in 2023

If figure is nil, please enter zero.

€

Only answer this question if Q1.4 Contains Any 1 Yes

Q8.1.5 Is there another branch/plant you wish to report?

☐

Yes

☐

No

Comments, Administration Burden and Contact Details

Please add any comments that would help us to interpret the data provided and avoid further queries.

How many minutes did it take you to collect the data for this form?

Declaration

Please note: Queries or future surveys from the CSO may be directed to the email or phone number provided by you.

EQ ANNOTATION 1: Drop down list required for "Position" options include ('Accountant', 'Director', 'Executive', 'Financial Controller', 'Manager', 'Owner', 'Secretary', 'Other')

Contact

Details

Name:

Position:

Phone:

Email:

Website of Enterprise:

Eircode of Enterprise: