



National Science Foundation  
WHERE DISCOVERIES BEGIN

## BUSINESS R&D AND INNOVATION SURVEY

Please enter your username and password:

Username:

Password:

Login

For questions regarding this survey, contact:

[brd@census.gov](mailto:brd@census.gov)

Phone: 1-888-must get number

The **Business Research and Development and Innovation Survey** is a national survey that collects critical information about research and development (R&D) and innovation at businesses operating in the United States. This information is valuable to U.S. policy makers and industry and academic data users.

**\*\*WARNING\*\***

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Form Number: BRDI-1  
OMB No.: 0607-0912  
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## Business Research and Development and Innovation Survey (BRDIS)

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**Survey Tasks**

Incomplete  
Not Started  
Disabled  
Not Started  
Not Started  
Not Started

Action	Survey Section	Status
<a href="#">Resume</a>	Section 1: Company Information	
<a href="#">Start</a>	Section 2: R&D Paid for by Your Company	
<a href="#">Enable</a>	Section 3: R&D Funded or Paid for by Others	
<a href="#">Start</a>	Section 4: Management and Strategy of R&D Expense	
<a href="#">Start</a>	Section 5: R&D Human Resources	
<a href="#">Start</a>	Section 6: Intellectual Property, Technology Transfer and Innovation	

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Survey Coordinator

1.1 Who is the survey coordinator?

The survey coordinator is the person at your company responsible for gathering all requested information, ensuring instructions are followed, and submitting the completed survey. The survey coordinator may not be able to personally complete the entire survey, but he or she will be able to request information from other knowledgeable resources within your company. The survey coordinator may be assigned by your company's CEO or another person with oversight of or access to your company's R&D, accounting, human resources, and legal organizations.

Name	<input type="text"/>
Title	<input type="text"/>
Telephone, (###) ###-####	<input type="text"/>
Fax, (###) ###-####	<input type="text"/>
E-mail address	<input type="text"/>

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R&D by Type of Cost

**2.11** How much of the (1) domestic, (2) foreign, and (3) total worldwide R&D paid for by your company in 2009 was for each of the following types of costs?

Types of Costs	Domestic R&D	Foreign R&D	Total worldwide R&D
Gross annual payroll	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
Fringe benefits	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
Stock based compensation	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
Temporary staffing	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
Expensed equipment	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
Materials and supplies	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
Lease and rental payments	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
Depreciation and amortization	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
Payments to collaborators	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
Purchased R&D services	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
All other purchased services	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
All other costs	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000	\$ <input type="text"/> ,000
<b>Total</b>	<b>\$OLD_CT_VAR: X{ad_1_1},000</b>	<b>\$OLD_CT_VAR: X{ad_1_1},000</b>	<b>\$OLD_CT_VAR: X{ad_1_1},000</b>

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### (5.1) Worldwide Employees (Including Domestic)

What was the **total number of employees** working at your company **worldwide** for the pay period that included March 12, 2009?

**Include:**

- Domestic employees whose payroll was reported on IRS Form 941, Employer's Quarterly Federal Tax Return
- Employees in all activities during the pay period that included March 12, 2009
- Employees on paid sick leave, paid holidays, and paid vacations during the pay period that included March 12, 2009

**Exclude:**

- Leased or temporary employees and on-site consultants

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(5.10) Domestic Full-time Equivalents (FTEs) for R&D Scientists and Engineers

What was the number of domestic full-time equivalent (FTE) scientists and engineers engaged in R&D activities during 2009?

Full-time equivalents account for R&D scientists and engineers who do not work full time and scientists and engineers who do not work on R&D activities full time. For example, an employee who works half-time would be counted as one employee on a headcount basis but as one-half (1/2) an FTE employee. Similarly, a full-time employee hired in June would be counted as one-half (1/2) an FTE employee. The number of FTEs and the headcount may differ for your company.

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#### Company Ownership

**1.2 Did another company other than a holding company own more than 50 percent of your company during 2009?**

Yes — Please provide the following information:

Name of owner  -

Date owner purchased your company |  Month |  Day |  Year

Is the owner a U.S. company?

Yes  
 No

No

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## Management and Strategy of R&D

**4.3** What percentage of the amount reported in 4.1 was directed toward business areas or product lines in which your company had no revenues before 2009?

**Example:** Company A is an automobile manufacturer. In 2009, it began R&D on the company's first motorcycle. Because Company A had no previous revenues for motorcycles, it is a new business area for the company. The expense for this R&D is included in the calculation for this question.

%

**4.4** What percentage of the amount reported in 4.1 involved science/technology that your company had not used in projects before 2009?

**Example:** Company B is an automobile manufacturer. In 2009, it began to explore using hydrogen fuel cells in its vehicles. Because Company B had not used this technology before 2009, it is new for the company. The expense for this R&D is included in the calculation for this question.

%

**4.5** What percentage of the amount reported in 4.1 was both directed toward business areas or product lines in which your company had no revenues before 2009 and involved science/technology that had not used in other projects before 2009?

**Example:** Company C is an automobile manufacturer. In 2009, it began to develop the company's first motorcycle. At the same time, C begins to explore using hydrogen fuel cell technology in its vehicles—including motorcycles. Because motorcycle manufacturing is a new business area for C and the company had no experience with hydrogen fuel cell technology before 2009, it would include the hydrogen fuel cell R&D related to its motorcycle project in the calculation for this question.

%

**4.6** What percentage of the amount reported in 4.1 was for R&D in science/technology new to the market(s) (i.e. first-to-market) in which your company operates?

**Exclude:** R&D to improve upon, replicate, or adopt science/technology currently in use in the market(s) in which your company operates.

**Example:** Company D manufactures cookware. In 2009, it devotes 10% of its R&D expense to exploring the potential use in its products of a heat-conducting material currently used only by the aerospace industry. The remainder of D's R&D is focused on improving products and technology already used in the cookware market. Company D reports 10% for this question.

%

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### Activities with Academia

**4.37** Did your company perform any of the following activities with universities, students, or academic faculty in 2009?


a. Hired academic consultants for short-term projects in science and engineering	<input type="radio"/> Yes	<input type="radio"/> No
b. Hosted for at least one month, student interns pursuing undergraduate or graduate degrees in science or engineering	<input type="radio"/> Yes	<input type="radio"/> No
c. Hosted post-doctoral fellows in science or engineering for at least one month	<input type="radio"/> Yes	<input type="radio"/> No
d. Scientists or engineers from your company served as visiting scientists or engineers at a college or university for at least one month	<input type="radio"/> Yes	<input type="radio"/> No
e. Made monetary gifts that were restricted to supporting R&D to universities or colleges	<input type="radio"/> Yes	<input type="radio"/> No

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#### Intellectual Property Protection

**6.9** During 2009, how important to your company were the following types of intellectual property protection?

a. Utility patents (patents for invention)	<input type="radio"/> Very important	<input type="radio"/> Somewhat important	<input type="radio"/> Not important
b. Design patents (patents for appearance)	<input type="radio"/> Very important	<input type="radio"/> Somewhat important	<input type="radio"/> Not important
c. Trademarks	<input type="radio"/> Very important	<input type="radio"/> Somewhat important	<input type="radio"/> Not important
d. Copyrights	<input type="radio"/> Very important	<input type="radio"/> Somewhat important	<input type="radio"/> Not important
e. Trade secrets	<input type="radio"/> Very important	<input type="radio"/> Somewhat important	<input type="radio"/> Not important
f. Mask works (copyright protection for semiconductor products)	<input type="radio"/> Very important	<input type="radio"/> Somewhat important	<input type="radio"/> Not important

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