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Gross Domestic Expenditures on Research and Development in Canada and the Provinces



National Estimates 1996 to 2007
Provincial Estimates 2001 to 2005



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Statistics Canada
Science, Innovation and Electronic Information Division

Gross Domestic Expenditures on Research and Development in Canada and the Provinces

National Estimates 1996 to 2007
Provincial Estimates 2001 to 2005

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Symbols

The following standard symbols are used in Statistics Canada publications:

- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0^s value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published

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How to read the GERD matrix

The gross domestic expenditure on research and development (GERD) is constructed by adding together the intramural research and development expenditures (R&D) of the performing sectors.

The table below is constructed by completing each of the performing sectors' columns (federal government, provincial governments, provincial research organizations, business enterprise, higher education and private non-profit organizations) with their R&D performance data.

The performing sectors indicate the funding sectors for their intramural R&D expenditures. This is an important distinction.

The federal government's intramural R&D expenditures are taken from the annual Federal Science Expenditure and Personnel survey. Intramural R&D expenditures represent spending on R&D performed by federal departments and agencies. As the GERD matrices within the publication indicate, federal departments and agencies receive funding for intramural R&D performance from provincial governments and the business enterprise sector.

The provincial governments' intramural R&D expenditures are from annual provincial surveys of scientific activities in the following provinces: Ontario, Manitoba, Alberta and British Columbia. The provincial government of Quebec conducts a survey of its intramural R&D activities which it shares for GERD construction purposes with Statistics Canada. Estimates for provincial government R&D activities are calculated for remaining provinces and territories.

The annual survey of the research and development activities of provincial research organizations is the source of information for the column for provincial research organizations.

The annual Research and Development in Canadian Industry is the source of the business enterprise sector's R&D performance data.

The estimation model developed for the higher education expenditures on research and development provide the R&D intramural expenditures for the higher education sector.

The annual survey of Research and Development in Private Non-Profit Organizations provides national R&D performance data for this sector.

Users interested in total R&D spending for a sector such as the federal government are referred to the intramural and extramural R&D spending published in *Science Statistics* (88-001-X), and *Federal Scientific Activities* (88-204-X). The funding sector's R&D expenditures shown in the GERD matrix will not equal the extramural R&D spending of individual funding sectors.

The GERD data are presented separately for total sciences, natural sciences and engineering, and social sciences and humanities. Total sciences is the sum of natural sciences and engineering and social sciences and humanities. For the business enterprise sector and provincial research organizations, R&D data are only collected, and therefore presented, for the natural sciences and engineering.

The GERD data presented in these matrix tables are used for international comparability purposes and are assembled based on guidelines presented in the Organisation for Economic Co-operation and Development's *Frascati Manual* (2002), for a graphical representation similar to the one shown below, see page 122.

The GERD matrix – Canada

When populated, values in the table's cells are provided by the performing sectors.

This table is for reference purposes only.

Text table 1 Gross domestic expenditure on research and development (GERD) matrix - Canada

Funding sector	Performing sector Total intramural (domestic) research and development performed by:						Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	Private non-profit organizations ¹	
Total	millions of dollars						
	Federal government intramural (domestic) R&D expenditures provided by this performing sector and identifying the funding sector	Provincial governments intramural (domestic) R&D expenditures provided by this performing sector and identifying the funding sector	Provincial research organizations intramural (domestic) R&D expenditures provided by this performing sector and identifying the funding sector	Business enterprise intramural (domestic) R&D expenditures provided by this performing sector and identifying the funding sector	Higher education intramural (domestic) R&D expenditures provided by this performing sector and identifying the funding sector	Private non-profit organizations intramural (domestic) R&D expenditures provided by this performing sector and identifying the funding sector	GERD is total intramural (domestic) R&D expenditures provided by the performing sector
Federal government							Federal government
Provincial governments							Provincial governments
Provincial research organizations							Provincial research organizations
Business enterprise							Business enterprise
Higher education							Higher education
Private non-profit organizations							Private non-profit organizations
Foreign ²							Foreign

1. These data are not distributed provincially.

2. Foreign enterprises within same group or other foreign governments or international organizations.

Statistical tables

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 1
National Gross Domestic Expenditures on Research and Development, in the total sciences, Canada

Funding sector	Performing sector						Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	Private non-profit organizations	
millions of dollars							
2007 Total sciences							
Total	2,338	299	25	15,773	10,433	116	28,984
Federal government	2,280	1	1	330	2,787	38	5,437
Provincial governments	5	288	12	97	1,067	13	1,482
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	53	10	11	12,874	881	11	13,840
Higher education	.	.	.	.	4,758	.	4,758
Private non-profit organizations	.	.	.	.	813	36	849
Foreign	.	..	1	2,472	127	18	2,619
2006 Total sciences							
Total	2,298	293	25	15,360	9,974	116	28,067
Federal government	2,240	1	1	321	2,664	38	5,266
Provincial governments	6	282	12	94	1,020	13	1,428
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	51	10	11	12,537	842	11	13,463
Higher education	.	.	.	.	4,549	.	4,549
Private non-profit organizations	.	.	.	.	778	36	814
Foreign	.	..	1	2,408	122	18	2,548
2005 † Total sciences							
Total	2,414	277	23	15,356	9,518	112	27,699
Federal government	2,341	1	1	321	2,542	37	5,244
Provincial governments	9	266	12	94	973	13	1,367
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	64	10	10	12,534	803	10	13,431
Higher education	.	.	.	.	4,340	.	4,340
Private non-profit organizations	.	.	.	.	742	35	777
Foreign	.	..	0	2,407	116	17	2,541
2004 † Total sciences							
Total	2,083	265	25	14,947	9,058	103	26,480
Federal government	2,027	1	1	271	2,337	12	4,648
Provincial governments	7	256	14	62	1,039	15	1,393
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	49	8	10	12,247	755	13	13,082
Higher education	.	.	.	.	4,147	.	4,147
Private non-profit organizations	.	.	.	.	685	50	735
Foreign	.	..	0 ^s	2,367	96	13	2,476
2003 † Total sciences							
Total	2,083	254	24	14,039	8,143	92	24,635
Federal government	2,027	1	1	299	2,182	15	4,524
Provincial governments	8	245	14	76	1,018	17	1,378
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	48	8	9	11,612	679	14	12,371
Higher education	.	.	.	.	3,589	.	3,589
Private non-profit organizations	.	.	.	.	599	38	637
Foreign	.	..	0 ^s	2,051	76	8	2,136
2002 † Total sciences							
Total	2,190	256	26	13,541	7,455	63	23,532
Federal government	2,124	2	1	300	1,817	6	4,250
Provincial governments	11	245	15	53	828	20	1,172
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	55	9	9	11,369	643	12	12,098
Higher education	.	.	.	.	3,462	.	3,462
Private non-profit organizations	.	.	.	.	604	24	628
Foreign	.	..	1	1,819	101	1	1,921

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 1 – continued

National Gross Domestic Expenditures on Research and Development, in the total sciences, Canada

Funding sector	Performing sector						Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	Private non-profit organizations	
millions of dollars							
2001 † Total sciences							
Total	2,103	253	23	14,266	6,424	63	23,132
Federal government	2,044	0	1	458	1,587	6	4,096
Provincial governments	6	241	12	51	712	20	1,043
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	53	11	9	10,931	603	10	11,619
Higher education	.	.	.	.	2,928	.	2,928
Private non-profit organizations	.	.	.	.	510	26	536
Foreign	.	..	1	2,826	84	1	2,912
2000 † Total sciences							
Total	2,080	189	66	12,395	5,793	58	20,581
Federal government	2,023	0	2	239	1,293	3	3,560
Provincial governments	3	189	38	45	587	16	878
Provincial research organizations	.	.	1	.	.	.	1
Business enterprise	54	0	18	8,589	553	10	9,225
Higher education	.	.	.	.	2,892	.	2,892
Private non-profit organizations	.	.	.	.	418	27	445
Foreign	.	..	7	3,522	50	1	3,580
1999 † Total sciences							
Total	1,859	173	60	10,399	5,082	63	17,638
Federal government	1,814	0	1	309	1,085	7	3,216
Provincial governments	4	173	34	57	482	16	767
Provincial research organizations	.	.	3	.	.	.	3
Business enterprise	41	0	19	7,391	460	6	7,917
Higher education	.	.	.	.	2,649	.	2,649
Private non-profit organizations	.	.	.	.	349	31	380
Foreign	.	..	3	2,642	57	3	2,705
1998 † Total sciences							
Total	1,743	155	61	9,682	4,370	77	16,088
Federal government	1,691	0	3	262	863	11	2,830
Provincial governments	4	155	34	56	372	19	640
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	49	0	21	6,865	411	9	7,355
Higher education	.	.	.	.	2,339	.	2,339
Private non-profit organizations	.	.	.	.	335	37	372
Foreign	.	..	3	2,499	50	1	2,552
1997 † Total sciences							
Total	1,720	156	58	8,739	3,879	82	14,635
Federal government	1,654	0	4	355	793	7	2,813
Provincial governments	3	156	30	77	370	20	656
Provincial research organizations	.	.	1	.	.	.	1
Business enterprise	63	0	19	6,557	381	11	7,030
Higher education	.	.	.	.	1,971	.	1,971
Private non-profit organizations	.	.	.	.	324	43	367
Foreign	.	..	4	1,749	40	1	1,794
1996 † Total sciences							
Total	1,792	163	79	7,997	3,697	89	13,817
Federal government	1,701	0	4	292	809	8	2,814
Provincial governments	4	163	44	102	298	18	629
Provincial research organizations	.	.	0	.	.	.	0
Business enterprise	86	0	24	5,941	335	10	6,395
Higher education	.	.	.	.	1,905	.	1,905
Private non-profit organizations	.	.	.	.	313	45	358
Foreign	.	..	7	1,662	37	8	1,714

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

**Table 2-1
Provincial Gross Domestic Expenditures on Research and Development, in the total sciences — Newfoundland and Labrador**

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Total sciences						
Total	28	5	0	86	148	267
Federal government	27	.	.	8	45	80
Provincial governments	.	5	.	1	1	7
Provincial research organizations	.	.	.	.	.	0
Business enterprise	1	.	.	74	23	98
Higher education	.	.	.	.	76	76
Private non-profit organizations	.	.	.	.	2	2
Foreign	.	.	.	3	2	5
2004 † Total sciences						
Total	23	5	0	29	116	173
Federal government	22	.	.	3	35	60
Provincial governments	.	5	.	1	1	7
Provincial research organizations	.	.	.	.	.	0
Business enterprise	1	.	.	19	16	36
Higher education	.	.	.	.	61	61
Private non-profit organizations	.	.	.	.	2	2
Foreign	.	.	.	7	0	7
2003 † Total sciences						
Total	23	5	0	31	114	173
Federal government	22	.	.	3	36	61
Provincial governments	.	5	.	1	1	7
Provincial research organizations	.	.	.	.	.	0
Business enterprise	1	.	.	21	10	31
Higher education	.	.	.	.	63	63
Private non-profit organizations	.	.	.	.	4	4
Foreign	.	.	.	6	0	6
2002 † Total sciences						
Total	32	5	0	22	94	153
Federal government	31	.	.	4	28	63
Provincial governments	.	5	.	0 ^s	2	7
Provincial research organizations	.	.	.	.	.	0
Business enterprise	1	.	.	12	10	23
Higher education	.	.	.	.	53	53
Private non-profit organizations	.	.	.	.	2	2
Foreign	.	.	.	5	0	5
2001 † Total sciences						
Total	27	5	0	21	89	142
Federal government	27	.	.	5	21	53
Provincial governments	.	5	.	1	3	9
Provincial research organizations	.	.	.	.	.	0
Business enterprise	1	.	.	11	4	15
Higher education	.	.	.	.	54	54
Private non-profit organizations	.	.	.	.	4	4
Foreign	.	.	.	4	3	7

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

**Table 2-2
Provincial Gross Domestic Expenditures on Research and Development, in the total sciences — Prince Edward Island**

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Total sciences						
Total	28	0	0	8	27	63
Federal government	27	.	.	1	9	37
Provincial governments	.	.	.	0 ^s	0 ^s	1
Provincial research organizations	.	.	.	.	.	0
Business enterprise	1	.	.	6	1	7
Higher education	.	.	.	.	16	16
Private non-profit organizations	.	.	.	.	1	1
Foreign	.	.	.	1	.	1
2004 † Total sciences						
Total	10	0	0	7	24	41
Federal government	10	.	.	1	8	18
Provincial governments	.	.	.	0 ^s	0 ^s	1
Provincial research organizations	.	.	.	.	.	0
Business enterprise	..	.	.	6	1	6
Higher education	.	.	.	.	15	15
Private non-profit organizations	.	.	.	.	1	1
Foreign	.	.	.	0 ^s	.	0 ^s
2003 † Total sciences						
Total	12	0	0	7	25	43
Federal government	12	.	.	2	7	20
Provincial governments	.	.	.	0 ^s	1	1
Provincial research organizations	.	.	.	.	.	0
Business enterprise	..	.	.	5	0 ^s	5
Higher education	.	.	.	.	17	17
Private non-profit organizations	.	.	.	.	2	2
Foreign	.	.	.	0 ^s	.	0 ^s
2002 † Total sciences						
Total	8	0	0	4	19	31
Federal government	8	.	.	1	4	13
Provincial governments	.	.	.	0 ^s	0 ^s	0 ^s
Provincial research organizations	.	.	.	.	.	0
Business enterprise	..	.	.	3	1	4
Higher education	.	.	.	.	13	13
Private non-profit organizations	.	.	.	.	1	1
Foreign	.	.	.	0 ^s	.	0 ^s
2001 † Total sciences						
Total	16	0	0	6	16	37
Federal government	16	.	.	1	3	19
Provincial governments	.	.	.	0	1	1
Provincial research organizations	.	.	.	.	.	0
Business enterprise	..	.	.	5	1	6
Higher education	.	.	.	.	11	11
Private non-profit organizations	.	.	.	.	1	1
Foreign	.	.	.	0 ^s	.	0 ^s

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

**Table 2-3
Provincial Gross Domestic Expenditures on Research and Development, in the total sciences — Nova Scotia**

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Total sciences						
Total	66	6	0	94	298	464
Federal government	65	.	0	5	80	150
Provincial governments	.	6	0	1	6	13
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	0	62	31	94
Higher education	.	.	.	.	158	158
Private non-profit organizations	.	.	.	.	22	22
Foreign	.	.	0	26	0	26
2004 † Total sciences						
Total	81	6	0	89	266	442
Federal government	80	.	0	4	73	157
Provincial governments	.	6	0	1	8	15
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	0	52	23	77
Higher education	.	.	.	.	141	141
Private non-profit organizations	.	.	.	.	22	22
Foreign	.	.	0	31	0	31
2003 † Total sciences						
Total	66	6	0	79	259	409
Federal government	64	.	0	6	60	131
Provincial governments	.	6	0	1	7	14
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	0	48	21	70
Higher education	.	.	.	.	146	146
Private non-profit organizations	.	.	.	.	24	24
Foreign	.	.	0	24	1	25
2002 † Total sciences						
Total	76	6	0	93	225	400
Federal government	75	.	0	5	52	131
Provincial governments	.	6	0	0 ^s	7	14
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	0	62	21	84
Higher education	.	.	.	.	127	127
Private non-profit organizations	.	.	.	.	17	17
Foreign	.	.	0	26	1	28
2001 † Total sciences						
Total	70	6	0	91	209	376
Federal government	69	.	0	3	49	121
Provincial governments	.	6	0	1	5	13
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	0	62	19	82
Higher education	.	.	.	.	119	119
Private non-profit organizations	.	.	.	.	15	15
Foreign	.	.	0	25	1	26

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 2-4
Provincial Gross Domestic Expenditures on Research and Development, in the total sciences — New Brunswick

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Total sciences						
Total	26	2	2	83	130	243
Federal government	25	.	0 ^s	2	35	62
Provincial governments	.	2	1	0 ^s	4	7
Provincial research organizations	.	.	.	.	.	0 ^s
Business enterprise	0 ^s	.	1	77	5	84
Higher education	.	.	.	.	80	80
Private non-profit organizations	.	.	.	.	7	7
Foreign	.	.	.	4	0 ^s	4
2004 † Total sciences						
Total	26	2	2	79	114	224
Federal government	26	.	0 ^s	1	30	57
Provincial governments	.	2	1	0 ^s	3	7
Provincial research organizations	.	.	.	.	.	0 ^s
Business enterprise	1	.	1	77	4	82
Higher education	.	.	.	.	70	70
Private non-profit organizations	.	.	.	.	5	5
Foreign	.	.	.	2	0 ^s	2
2003 † Total sciences						
Total	30	2	2	64	118	216
Federal government	30	.	0 ^s	1	30	61
Provincial governments	.	2	1	0 ^s	4	7
Provincial research organizations	.	.	.	.	.	0 ^s
Business enterprise	1	.	1	61	4	67
Higher education	.	.	.	.	72	72
Private non-profit organizations	.	.	.	.	7	7
Foreign	.	.	.	2	0 ^s	2
2002 † Total sciences						
Total	46	2	2	62	99	211
Federal government	45	.	0 ^s	2	21	68
Provincial governments	.	2	1	0 ^s	2	6
Provincial research organizations	.	.	.	.	.	0 ^s
Business enterprise	1	.	1	58	2	62
Higher education	.	.	.	.	67	67
Private non-profit organizations	.	.	.	.	6	6
Foreign	.	.	.	1	1	2
2001 † Total sciences						
Total	26	2	2	41	90	162
Federal government	26	.	0 ^s	2	17	45
Provincial governments	.	2	1	0 ^s	2	5
Provincial research organizations	.	.	.	.	.	0 ^s
Business enterprise	0 ^s	.	1	36	4	41
Higher education	.	.	.	.	59	59
Private non-profit organizations	.	.	.	.	8	8
Foreign	.	.	.	3	0 ^s	4

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 2-5
Provincial Gross Domestic Expenditures on Research and Development, in the total sciences — Quebec

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Total sciences						
Total	368	75	10	4,183	2,556	7,192
Federal government	362	.	0 ^s	102	703	1,168
Provincial governments	0 ^s	75	7	51	260	393
Provincial research organizations	.	.	0	.	.	0
Business enterprise	5	0	3	3,533	227	3,768
Higher education	.	.	.	.	1,180	1,180
Private non-profit organizations	.	.	.	.	158	158
Foreign	.	.	0 ^s	497	28	526
2004^r Total sciences						
Total	320	68	14	4,301	2,467	7,171
Federal government	316	.	0 ^s	101	650	1,067
Provincial governments	0 ^s	68	10	39	318	435
Provincial research organizations	.	.	0	.	.	0
Business enterprise	4	0	4	3,684	192	3,883
Higher education	.	.	.	.	1,129	1,129
Private non-profit organizations	.	.	.	.	160	160
Foreign	.	.	0 ^s	478	19	497
2003^r Total sciences						
Total	314	68	15	4,202	2,345	6,943
Federal government	310	.	0 ^s	97	646	1,053
Provincial governments	0 ^s	68	10	41	333	452
Provincial research organizations	.	.	0	.	.	0
Business enterprise	4	0	5	3,602	187	3,797
Higher education	.	.	.	.	998	998
Private non-profit organizations	.	.	.	.	165	165
Foreign	.	.	0 ^s	462	16	478
2002^r Total sciences						
Total	370	65	17	4,155	2,074	6,682
Federal government	365	.	1	99	529	993
Provincial governments	0 ^s	65	11	33	262	372
Provincial research organizations	.	.	0	.	.	0
Business enterprise	5	0	4	3,534	175	3,718
Higher education	.	.	.	.	911	911
Private non-profit organizations	.	.	.	.	171	171
Foreign	.	.	1	489	26	516
2001^r Total sciences						
Total	372	54	14	4,158	1,778	6,376
Federal government	368	.	0 ^s	182	448	999
Provincial governments	1	54	8	25	193	280
Provincial research organizations	.	.	0	.	.	0
Business enterprise	3	0	6	3,488	176	3,673
Higher education	.	.	.	.	796	796
Private non-profit organizations	.	.	.	.	146	146
Foreign	.	.	0 ^s	463	20	483

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 2-6
Provincial Gross Domestic Expenditures on Research and Development, in the total sciences — Ontario

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Total sciences						
Total	395	42	0	8,030	3,980	12,447
Federal government	358	0	0	142	997	1,497
Provincial governments	6	42	0	25	402	476
Provincial research organizations	.	.	0	.	.	0
Business enterprise	31	0	0	6,557	378	6,965
Higher education	.	.	.	.	1,793	1,793
Private non-profit organizations	.	.	.	.	342	342
Foreign	.	.	0	1,306	67	1,373
2004 † Total sciences						
Total	329	46	0	7,717	3,835	11,927
Federal government	303	0	0	106	914	1,322
Provincial governments	4	46	0	6	391	447
Provincial research organizations	.	.	0	.	.	0
Business enterprise	22	0	0	6,298	394	6,713
Higher education	.	.	.	.	1,791	1,791
Private non-profit organizations	.	.	.	.	283	283
Foreign	.	.	0	1,309	62	1,370
2003 † Total sciences						
Total	351	48	0	7,384	3,187	10,970
Federal government	324	0	0	136	826	1,286
Provincial governments	5	48	0	4	357	414
Provincial research organizations	.	.	0	.	.	0
Business enterprise	22	0	0	6,003	294	6,319
Higher education	.	.	.	.	1,423	1,423
Private non-profit organizations	.	.	.	.	243	243
Foreign	.	.	0	1,241	43	1,284
2002 † Total sciences						
Total	324	44	0	7,064	2,996	10,426
Federal government	294	0	0	136	685	1,114
Provincial governments	7	44	0	4	308	362
Provincial research organizations	.	.	0	.	.	0
Business enterprise	23	0	0	5,840	295	6,158
Higher education	.	.	.	.	1,416	1,416
Private non-profit organizations	.	.	.	.	239	239
Foreign	.	.	0	1,085	52	1,137
2001 † Total sciences						
Total	328	45	0	7,899	2,576	10,848
Federal government	301	0	0	214	611	1,126
Provincial governments	1	45	0	4	291	341
Provincial research organizations	.	.	0	.	.	0
Business enterprise	26	0	0	5,613	267	5,906
Higher education	.	.	.	.	1,151	1,151
Private non-profit organizations	.	.	.	.	213	213
Foreign	.	.	0	2,068	42	2,110

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 2-7
Provincial Gross Domestic Expenditures on Research and Development, in the total sciences — Manitoba

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Total sciences						
Total	83	4	0	196	294	578
Federal government	81	.	.	4	72	157
Provincial governments	0 ^s	4	0	1	15	21
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	.	0	174	19	195
Higher education	.	.	.	.	149	149
Private non-profit organizations	.	.	.	.	38	38
Foreign	.	.	.	17	2	19
2004 r Total sciences						
Total	73	4	0	178	260	514
Federal government	71	.	.	4	72	146
Provincial governments	0 ^s	4	0	1	19	25
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	0	159	16	176
Higher education	.	.	.	.	123	123
Private non-profit organizations	.	.	.	.	29	29
Foreign	.	.	.	14	2	15
2003 r Total sciences						
Total	63	4	0	150	239	456
Federal government	62	.	.	7	62	131
Provincial governments	0 ^s	4	0	3	16	22
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	0	133	19	154
Higher education	.	.	.	.	114	114
Private non-profit organizations	.	.	.	.	25	25
Foreign	.	.	.	7	2	9
2002 r Total sciences						
Total	72	3	0	155	225	454
Federal government	69	.	.	5	56	130
Provincial governments	1	3	0	2	15	20
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	.	0	134	18	154
Higher education	.	.	.	.	108	108
Private non-profit organizations	.	.	.	.	24	24
Foreign	.	.	.	14	3	17
2001 r Total sciences						
Total	77	2	0	173	205	457
Federal government	74	.	.	5	44	124
Provincial governments	1	2	0	2	15	20
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	.	0	155	19	176
Higher education	.	.	.	.	103	103
Private non-profit organizations	.	.	.	.	21	21
Foreign	.	.	.	11	3	13

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 2-8
Provincial Gross Domestic Expenditures on Research and Development, in the total sciences — Saskatchewan

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Total sciences						
Total	68	4	11	150	217	450
Federal government	67	.	1	4	54	126
Provincial governments	.	4	4	2	20	30
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	6	133	13	154
Higher education	.	.	.	.	115	115
Private non-profit organizations	.	.	.	.	15	15
Foreign	.	.	0 ^s	11	0 ^s	11
2004 † Total sciences						
Total	54	4	9	112	245	423
Federal government	53	.	1	5	65	123
Provincial governments	.	4	3	2	27	36
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	5	97	18	122
Higher education	.	.	.	.	122	122
Private non-profit organizations	.	.	.	.	12	12
Foreign	.	.	0 ^s	7	0 ^s	7
2003 † Total sciences						
Total	54	4	7	88	245	398
Federal government	53	.	1	3	64	121
Provincial governments	.	4	3	2	30	39
Provincial research organizations	.	.	0 ^s	.	.	0 ^s
Business enterprise	1	.	3	76	18	98
Higher education	.	.	.	.	121	121
Private non-profit organizations	.	.	.	.	12	12
Foreign	.	.	0 ^s	7	1	8
2002 † Total sciences						
Total	53	4	7	112	259	435
Federal government	52	.	0 ^s	4	57	113
Provincial governments	.	4	3	4	36	46
Provincial research organizations	.	.	0 ^s	.	.	0 ^s
Business enterprise	1	.	4	96	16	117
Higher education	.	.	.	.	129	129
Private non-profit organizations	.	.	.	.	21	21
Foreign	.	.	0 ^s	8	0 ^s	8
2001 † Total sciences						
Total	63	3	7	87	236	396
Federal government	62	.	1	3	57	123
Provincial governments	.	3	3	4	42	53
Provincial research organizations	.	.	0 ^s	.	.	0 ^s
Business enterprise	1	.	3	70	11	85
Higher education	.	.	.	.	112	112
Private non-profit organizations	.	.	.	.	14	14
Foreign	.	.	0 ^s	10	0 ^s	10

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

**Table 2-9
Provincial Gross Domestic Expenditures on Research and Development, in the total sciences — Alberta**

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Total sciences						
Total	130	122	0	1,073	962	2,286
Federal government	128	1	0	18	252	400
Provincial governments	.	111	0	4	182	297
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	10	0	998	63	1,072
Higher education	.	.	.	.	396	396
Private non-profit organizations	.	.	.	.	61	61
Foreign	.	..	0	53	7	60
2004 † Total sciences						
Total	110	114	0	1,030	899	2,153
Federal government	109	1	0	10	206	326
Provincial governments	.	105	0	4	232	341
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	8	0	939	60	1,007
Higher education	.	.	.	.	347	347
Private non-profit organizations	.	.	.	.	49	49
Foreign	.	..	0	78	5	84
2003 † Total sciences						
Total	87	103	0	861	827	1,877
Federal government	86	1	0	12	221	320
Provincial governments	.	93	0	4	182	280
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	8	0	766	60	835
Higher education	.	.	.	.	314	314
Private non-profit organizations	.	.	.	.	44	44
Foreign	.	..	0	79	6	85
2002 † Total sciences						
Total	92	108	0	782	727	1,709
Federal government	91	2	0	7	181	281
Provincial governments	.	97	0	2	122	221
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	9	0	739	45	794
Higher education	.	.	.	.	321	321
Private non-profit organizations	.	.	.	.	52	52
Foreign	.	..	0	33	7	39
2001 † Total sciences						
Total	98	114	0	710	664	1,587
Federal government	97	0	0	9	176	282
Provincial governments	.	103	0	4	125	232
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	11	0	608	52	672
Higher education	.	.	.	.	259	259
Private non-profit organizations	.	.	.	.	46	46
Foreign	.	..	0	89	6	96

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 2-10
Provincial Gross Domestic Expenditures on Research and Development, in the total sciences — British Columbia

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Total sciences						
Total	91	17	0	1,450	904	2,462
Federal government	88	.	0	34	294	417
Provincial governments	0 ^s	17	0	11	81	110
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	0	0	916	44	962
Higher education	.	.	.	.	377	377
Private non-profit organizations	.	.	.	.	98	98
Foreign	.	.	.	489	10	499
2004 † Total sciences						
Total	91	16	0	1,399	832	2,338
Federal government	88	.	0	36	284	409
Provincial governments	0 ^s	16	0	9	39	63
Provincial research organizations	.	.	0	.	.	0
Business enterprise	3	0	0	915	32	949
Higher education	.	.	.	.	348	348
Private non-profit organizations	.	.	.	.	121	121
Foreign	.	.	.	440	8	448
2003 † Total sciences						
Total	80	15	0	1,173	785	2,052
Federal government	77	.	0	32	231	340
Provincial governments	0 ^s	15	0	21	88	124
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	0	0	897	65	964
Higher education	.	.	.	.	320	320
Private non-profit organizations	.	.	.	.	72	72
Foreign	.	.	.	224	7	231
2002 † Total sciences						
Total	99	20	0	1,093	736	1,949
Federal government	97	.	0	38	204	338
Provincial governments	0 ^s	20	0	8	75	103
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	0	0	890	60	952
Higher education	.	.	.	.	316	316
Private non-profit organizations	.	.	.	.	70	70
Foreign	.	.	.	158	11	169
2001 † Total sciences						
Total	97	22	0	1,079	562	1,760
Federal government	94	.	0	34	161	290
Provincial governments	0 ^s	22	0	10	35	68
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	0	0	882	51	935
Higher education	.	.	.	.	265	265
Private non-profit organizations	.	.	.	.	41	41
Foreign	.	.	.	153	9	161

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

**Table 2-11
Provincial Gross Domestic Expenditures on Research and Development, in the total sciences — Yukon Territory, Northwest Territories and Nunavut**

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Total sciences						
Total	9	.	.	3	.	12
Federal government	9	.	.	0 ^s	.	9
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	2	.	3
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	0 ^s	.	0 ^s
2004 † Total sciences						
Total	6	.	.	5	.	10
Federal government	5	.	.	0 ^s	.	5
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	4	.	4
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	1	.	1
2003 † Total sciences						
Total	5	.	.	1	.	6
Federal government	5	.	.	0	.	5
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	1	.	1
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	0 ^s	.	0 ^s
2002 † Total sciences						
Total	3	.	.	1	.	4
Federal government	3	.	.	0	.	3
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	1	.	1
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	0 ^s	.	0 ^s
2001 † Total sciences						
Total	3	.	.	1	.	4
Federal government	3	.	.	0	.	3
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	1	.	1
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	0	.	0 ^s

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 2-12
Provincial Gross Domestic Expenditures on Research and Development, in the total sciences — National Capital Region, Ontario/Quebec

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Total sciences						
Total	1,123	.	.	.	.	1,123
Federal government	1,103	.	.	.	.	1,103
Provincial governments	1	.	.	.	.	1
Provincial research organizations	.	.	.	.	.	.
Business enterprise	19	.	.	.	.	19
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.
2004 † Total sciences						
Total	960	.	.	.	.	960
Federal government	945	.	.	.	.	945
Provincial governments	1	.	.	.	.	1
Provincial research organizations	.	.	.	.	.	.
Business enterprise	14	.	.	.	.	14
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.
2003 † Total sciences						
Total	999	.	.	.	.	999
Federal government	983	.	.	.	.	983
Provincial governments	1	.	.	.	.	1
Provincial research organizations	.	.	.	.	.	.
Business enterprise	15	.	.	.	.	15
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.
2002 † Total sciences						
Total	1,015	.	.	.	.	1,015
Federal government	994	.	.	.	.	994
Provincial governments	2	.	.	.	.	2
Provincial research organizations	.	.	.	.	.	.
Business enterprise	18	.	.	.	.	18
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.
2001 † Total sciences						
Total	926	.	.	.	.	926
Federal government	907	.	.	.	.	907
Provincial governments	2	.	.	.	.	2
Provincial research organizations	.	.	.	.	.	.
Business enterprise	16	.	.	.	.	16
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 3
National Gross Domestic Expenditures on Research and Development, in the natural sciences and engineering, Canada

Funding sector	Performing sector						Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	Private non-profit organizations	
millions of dollars							
2007 Natural sciences							
Total	2,207	268	25	15,773	8,363	111	26,748
Federal government	2,149	1	1	330	2,330	37	4,848
Provincial governments	5	257	12	97	854	12	1,238
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	53	10	11	12,874	848	10	13,806
Higher education	.	.	.	.	3,542	.	3,542
Private non-profit organizations	.	.	.	.	661	34	695
Foreign	.	..	1	2,472	127	18	2,619
2006 Natural sciences							
Total	2,173	263	25	15,360	7,995	111	25,928
Federal government	2,116	1	1	321	2,228	37	4,703
Provincial governments	6	252	12	94	816	12	1,193
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	51	10	11	12,537	811	10	13,430
Higher education	.	.	.	.	3,386	.	3,386
Private non-profit organizations	.	.	.	.	632	34	666
Foreign	.	..	1	2,408	122	18	2,548
2005 r Natural sciences							
Total	2,289	248	23	15,356	7,629	102	25,647
Federal government	2,217	1	1	321	2,126	34	4,700
Provincial governments	9	237	12	94	779	10	1,140
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	64	10	10	12,534	774	10	13,401
Higher education	.	.	.	.	3,231	.	3,231
Private non-profit organizations	.	.	.	.	603	31	634
Foreign	.	..	0	2,407	116	17	2,540
2004 r Natural sciences							
Total	1,965	241	25	14,947	7,280	98	24,555
Federal government	1,909	1	1	271	1,960	11	4,152
Provincial governments	7	232	14	62	831	14	1,160
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	49	8	10	12,247	728	12	13,054
Higher education	.	.	.	.	3,110	.	3,110
Private non-profit organizations	.	.	.	.	556	48	604
Foreign	.	..	0 ^s	2,367	96	13	2,476
2003 r Natural sciences							
Total	1,963	229	24	14,039	6,544	87	22,887
Federal government	1,907	1	1	299	1,846	14	4,068
Provincial governments	8	220	14	76	814	15	1,148
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	48	8	9	11,612	654	13	12,345
Higher education	.	.	.	.	2,669	.	2,669
Private non-profit organizations	.	.	.	.	485	37	523
Foreign	.	..	0 ^s	2,051	76	8	2,136
2002 r Natural sciences							
Total	2,073	236	26	13,541	6,041	59	21,975
Federal government	2,007	2	1	300	1,588	5	3,903
Provincial governments	11	225	15	53	663	19	985
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	55	9	9	11,369	619	11	12,073
Higher education	.	.	.	.	2,577	.	2,577
Private non-profit organizations	.	.	.	.	493	23	516
Foreign	.	..	1	1,819	101	1	1,921

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 3 – continued

National Gross Domestic Expenditures on Research and Development, in the natural sciences and engineering, Canada

Funding sector	Performing sector						Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	Private non-profit organizations	
millions of dollars							
2001 r Natural sciences							
Total	2,010	234	23	14,266	5,150	59	21,742
Federal government	1,951	0	1	458	1,356	6	3,772
Provincial governments	6	223	12	51	570	18	880
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	53	11	9	10,931	578	9	11,617
Higher education	.	.	.	.	2,150	.	2,150
Private non-profit organizations	.	.	.	.	412	25	436
Foreign	.	..	1	2,826	84	1	2,912
2000 r Natural sciences							
Total	1,995	171	66	12,395	4,591	55	19,273
Federal government	1,938	0	2	239	1,106	3	3,288
Provincial governments	3	171	38	45	470	15	742
Provincial research organizations	.	.	1	.	.	.	1
Business enterprise	54	0	18	8,589	531	10	9,202
Higher education	.	.	.	.	2,092	.	2,092
Private non-profit organizations	.	.	.	.	342	26	367
Foreign	.	..	7	3,522	50	1	3,580
1999 r Natural sciences							
Total	1,774	160	60	10,399	4,020	54	16,468
Federal government	1,729	0	1	309	943	7	2,989
Provincial governments	4	160	34	57	386	13	654
Provincial research organizations	.	.	3	.	.	.	3
Business enterprise	41	0	19	7,391	440	6	7,897
Higher education	.	.	.	.	1,909	.	1,909
Private non-profit organizations	.	.	.	.	285	26	311
Foreign	.	..	3	2,642	57	2	2,704
1998 r Natural sciences							
Total	1,667	139	61	9,682	3,466	68	15,083
Federal government	1,615	0	3	262	751	10	2,641
Provincial governments	4	139	34	56	297	17	548
Provincial research organizations	.	.	0 ^s	.	.	.	0 ^s
Business enterprise	49	0	21	6,865	393	8	7,336
Higher education	.	.	.	.	1,697	.	1,697
Private non-profit organizations	.	.	.	.	278	32	310
Foreign	.	..	3	2,499	50	1	2,552
1997 r Natural sciences							
Total	1,651	140	58	8,739	3,147	73	13,809
Federal government	1,585	0	4	355	692	6	2,642
Provincial governments	3	140	30	77	296	18	564
Provincial research organizations	.	.	1	.	.	.	1
Business enterprise	63	0	19	6,557	365	10	7,014
Higher education	.	.	.	.	1,486	.	1,486
Private non-profit organizations	.	.	.	.	268	38	306
Foreign	.	..	4	1,749	40	1	1,794
1996 r Natural sciences							
Total	1,724	147	79	7,997	2,992	80	13,018
Federal government	1,633	0	4	292	708	7	2,645
Provincial governments	4	147	44	102	238	16	551
Provincial research organizations	.	.	0	.	.	.	0
Business enterprise	86	0	24	5,941	320	9	6,380
Higher education	.	.	.	.	1,429	.	1,429
Private non-profit organizations	.	.	.	.	260	41	301
Foreign	.	..	7	1,662	37	7	1,712

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

**Table 4-1
Provincial Gross Domestic Expenditures on Research and Development, in the natural sciences and engineering
— Newfoundland and Labrador**

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Natural sciences						
Total	28	5	0	86	117	235
Federal government	27	.	.	8	35	71
Provincial governments	.	5	.	1	1	7
Provincial research organizations	.	.	.	.	.	0
Business enterprise	1	.	.	74	23	98
Higher education	.	.	.	.	55	55
Private non-profit organizations	.	.	.	.	1	1
Foreign	.	.	.	3	2	5
2004 r Natural sciences						
Total	23	5	0	29	89	146
Federal government	22	.	.	3	28	53
Provincial governments	.	5	.	1	1	7
Provincial research organizations	.	.	.	.	.	0
Business enterprise	1	.	.	19	16	36
Higher education	.	.	.	.	43	43
Private non-profit organizations	.	.	.	.	1	1
Foreign	.	.	.	7	0	7
2003 r Natural sciences						
Total	23	5	0	31	85	144
Federal government	22	.	.	3	29	53
Provincial governments	.	5	.	1	1	6
Provincial research organizations	.	.	.	.	.	0
Business enterprise	1	.	.	21	10	31
Higher education	.	.	.	.	44	44
Private non-profit organizations	.	.	.	.	1	1
Foreign	.	.	.	6	0	6
2002 r Natural sciences						
Total	32	5	0	22	73	131
Federal government	31	.	.	4	24	59
Provincial governments	.	5	.	0 ^s	1	6
Provincial research organizations	.	.	.	.	.	0
Business enterprise	1	.	.	12	10	23
Higher education	.	.	.	.	37	37
Private non-profit organizations	.	.	.	.	1	1
Foreign	.	.	.	5	0	5
2001 r Natural sciences						
Total	27	5	0	21	66	119
Federal government	27	.	.	5	18	50
Provincial governments	.	5	.	1	3	8
Provincial research organizations	.	.	.	.	.	0
Business enterprise	1	.	.	11	4	15
Higher education	.	.	.	.	37	37
Private non-profit organizations	.	.	.	.	1	1
Foreign	.	.	.	4	3	7

**Table 4-2
Provincial Gross Domestic Expenditures on Research and Development, in the natural sciences and engineering
— Prince Edward Island**

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Natural sciences						
Total	28	0	0	8	20	56
Federal government	27	.	.	1	7	35
Provincial governments	.	.	.	0 ^s	0 ^s	1
Provincial research organizations	.	.	.	.	.	0
Business enterprise	1	.	.	6	1	7
Higher education	.	.	.	.	11	11
Private non-profit organizations	.	.	.	.	1	1
Foreign	.	.	.	1	.	1
2004^r Natural sciences						
Total	10	0	0	7	17	34
Federal government	10	.	.	1	6	17
Provincial governments	.	.	.	0 ^s	0 ^s	1
Provincial research organizations	.	.	.	.	.	0
Business enterprise	.	.	.	6	1	6
Higher education	.	.	.	.	10	10
Private non-profit organizations	.	.	.	.	0 ^s	0 ^s
Foreign	.	.	.	0 ^s	.	0 ^s
2003^r Natural sciences						
Total	12	0	0	7	18	37
Federal government	12	.	.	2	5	19
Provincial governments	.	.	.	0 ^s	0 ^s	1
Provincial research organizations	.	.	.	.	.	0
Business enterprise	.	.	.	5	0 ^s	5
Higher education	.	.	.	.	12	12
Private non-profit organizations	.	.	.	.	1	1
Foreign	.	.	.	0 ^s	.	0 ^s
2002^r Natural sciences						
Total	8	0	0	4	13	26
Federal government	8	.	.	1	3	13
Provincial governments	.	.	.	0 ^s	0 ^s	0 ^s
Provincial research organizations	.	.	.	.	.	0
Business enterprise	.	.	.	3	1	4
Higher education	.	.	.	.	8	8
Private non-profit organizations	.	.	.	.	0 ^s	0 ^s
Foreign	.	.	.	0 ^s	.	0 ^s
2001^r Natural sciences						
Total	16	0	0	6	11	33
Federal government	16	.	.	1	2	19
Provincial governments	.	.	.	0	1	1
Provincial research organizations	.	.	.	.	.	0
Business enterprise	.	.	.	5	1	6
Higher education	.	.	.	.	7	7
Private non-profit organizations	.	.	.	.	0 ^s	0 ^s
Foreign	.	.	.	0 ^s	.	0 ^s

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

**Table 4-3
Provincial Gross Domestic Expenditures on Research and Development, in the natural sciences and engineering — Nova Scotia**

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Natural sciences						
Total	66	6	0	94	226	391
Federal government	65	.	0	5	64	134
Provincial governments	.	6	0	1	5	11
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	0	62	30	93
Higher education	.	.	.	.	105	105
Private non-profit organizations	.	.	.	.	21	21
Foreign	.	.	0	26	0	26
2004 r Natural sciences						
Total	81	6	0	89	202	378
Federal government	80	.	0	4	60	144
Provincial governments	.	6	0	1	6	14
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	0	52	22	76
Higher education	.	.	.	.	93	93
Private non-profit organizations	.	.	.	.	21	21
Foreign	.	.	0	31	0	31
2003 r Natural sciences						
Total	65	6	0	79	201	351
Federal government	64	.	0	6	50	120
Provincial governments	.	6	0	1	5	12
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	0	48	21	70
Higher education	.	.	.	.	101	101
Private non-profit organizations	.	.	.	.	23	23
Foreign	.	.	0	24	1	25
2002 r Natural sciences						
Total	76	6	0	93	174	349
Federal government	75	.	0	5	44	126
Provincial governments	.	6	0	0 ^s	6	12
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	0	62	21	84
Higher education	.	.	.	.	86	86
Private non-profit organizations	.	.	.	.	16	16
Foreign	.	.	0	26	1	28
2001 r Natural sciences						
Total	70	6	0	91	160	327
Federal government	69	.	0	3	42	114
Provincial governments	.	6	0	1	4	12
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	0	62	19	82
Higher education	.	.	.	.	79	79
Private non-profit organizations	.	.	.	.	15	15
Foreign	.	.	0	25	1	26

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

**Table 4-4
Provincial Gross Domestic Expenditures on Research and Development, in the natural sciences and engineering
— New Brunswick**

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Natural sciences						
Total	26	2	2	83	84	197
Federal government	25	.	0 ^s	2	24	52
Provincial governments	.	2	1	0 ^s	3	6
Provincial research organizations	.	.	.	.	.	0 ^s
Business enterprise	0 ^s	.	1	77	5	84
Higher education	.	.	.	.	45	45
Private non-profit organizations	.	.	.	.	6	6
Foreign	.	.	.	4	0 ^s	4
2004 r Natural sciences						
Total	26	2	2	79	74	183
Federal government	26	.	0 ^s	1	22	49
Provincial governments	.	2	1	0 ^s	3	6
Provincial research organizations	.	.	.	.	.	0 ^s
Business enterprise	1	.	1	77	4	82
Higher education	.	.	.	.	40	40
Private non-profit organizations	.	.	.	.	5	5
Foreign	.	.	.	2	0 ^s	2
2003 r Natural sciences						
Total	30	2	2	64	80	178
Federal government	30	.	0 ^s	1	23	54
Provincial governments	.	2	1	0 ^s	3	6
Provincial research organizations	.	.	.	.	.	0 ^s
Business enterprise	1	.	1	61	4	67
Higher education	.	.	.	.	43	43
Private non-profit organizations	.	.	.	.	7	7
Foreign	.	.	.	2	0 ^s	2
2002 r Natural sciences						
Total	46	2	2	62	67	178
Federal government	45	.	0 ^s	2	17	65
Provincial governments	.	2	1	0 ^s	2	5
Provincial research organizations	.	.	.	.	.	0 ^s
Business enterprise	1	.	1	58	2	62
Higher education	.	.	.	.	39	39
Private non-profit organizations	.	.	.	.	6	6
Foreign	.	.	.	1	1	2
2001 r Natural sciences						
Total	26	2	2	41	59	130
Federal government	26	.	0 ^s	2	13	41
Provincial governments	.	2	1	0 ^s	1	5
Provincial research organizations	.	.	.	.	.	0 ^s
Business enterprise	0 ^s	.	1	36	3	41
Higher education	.	.	.	.	34	34
Private non-profit organizations	.	.	.	.	8	8
Foreign	.	.	.	3	0 ^s	4

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 4-5
Provincial Gross Domestic Expenditures on Research and Development, in the natural sciences and engineering – Quebec

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Natural sciences						
Total	367	54	10	4,183	2,068	6,682
Federal government	362	.	0 ^s	102	603	1,067
Provincial governments	0 ^s	54	7	51	208	320
Provincial research organizations	.	.	0	.	.	0
Business enterprise	5	0	3	3,533	214	3,755
Higher education	.	.	.	.	893	893
Private non-profit organizations	.	.	.	.	121	121
Foreign	.	.	0 ^s	497	28	526
2004 r Natural sciences						
Total	320	50	14	4,301	1,981	6,667
Federal government	315	.	0 ^s	101	556	972
Provincial governments	0 ^s	50	10	39	254	353
Provincial research organizations	.	.	0	.	.	0
Business enterprise	4	0	4	3,684	180	3,872
Higher education	.	.	.	.	850	850
Private non-profit organizations	.	.	.	.	122	122
Foreign	.	.	0 ^s	478	19	497
2003 r Natural sciences						
Total	314	50	15	4,202	1,891	6,472
Federal government	309	.	0 ^s	97	555	962
Provincial governments	0 ^s	50	10	41	266	368
Provincial research organizations	.	.	0	.	.	0
Business enterprise	4	0	5	3,602	176	3,786
Higher education	.	.	.	.	748	748
Private non-profit organizations	.	.	.	.	130	130
Foreign	.	.	0 ^s	462	16	478
2002 r Natural sciences						
Total	370	49	17	4,155	1,678	6,269
Federal government	365	.	1	99	466	930
Provincial governments	0 ^s	49	11	33	210	303
Provincial research organizations	.	.	0	.	.	0
Business enterprise	5	0	4	3,534	164	3,707
Higher education	.	.	.	.	679	679
Private non-profit organizations	.	.	.	.	133	133
Foreign	.	.	1	489	26	516
2001 r Natural sciences						
Total	372	41	14	4,158	1,447	6,032
Federal government	368	.	0 ^s	182	390	940
Provincial governments	1	41	8	25	154	229
Provincial research organizations	.	.	0	.	.	0
Business enterprise	3	0	6	3,488	165	3,662
Higher education	.	.	.	.	603	603
Private non-profit organizations	.	.	.	.	115	115
Foreign	.	.	0 ^s	463	20	483

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 4-6
Provincial Gross Domestic Expenditures on Research and Development, in the natural sciences and engineering — Ontario

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Natural sciences						
Total	392	36	0	8,030	3,219	11,677
Federal government	355	0	0	142	831	1,329
Provincial governments	6	36	0	25	322	389
Provincial research organizations	.	.	0	.	.	0
Business enterprise	31	0	0	6,557	365	6,953
Higher education	.	.	.	.	1,352	1,352
Private non-profit organizations	.	.	.	.	282	282
Foreign	.	.	0	1,306	67	1,373
2004 r Natural sciences						
Total	327	42	0	7,717	3,139	11,225
Federal government	301	0	0	106	766	1,173
Provincial governments	4	42	0	6	313	365
Provincial research organizations	.	.	0	.	.	0
Business enterprise	22	0	0	6,298	381	6,700
Higher education	.	.	.	.	1,382	1,382
Private non-profit organizations	.	.	.	.	235	235
Foreign	.	.	0	1,309	62	1,370
2003 r Natural sciences						
Total	349	44	0	7,384	2,584	10,361
Federal government	322	0	0	136	698	1,155
Provincial governments	5	44	0	4	286	339
Provincial research organizations	.	.	0	.	.	0
Business enterprise	22	0	0	6,003	283	6,308
Higher education	.	.	.	.	1,075	1,075
Private non-profit organizations	.	.	.	.	199	199
Foreign	.	.	0	1,241	43	1,284
2002 r Natural sciences						
Total	322	41	0	7,064	2,460	9,887
Federal government	292	0	0	136	602	1,030
Provincial governments	7	41	0	4	246	298
Provincial research organizations	.	.	0	.	.	0
Business enterprise	23	0	0	5,840	285	6,147
Higher education	.	.	.	.	1,075	1,075
Private non-profit organizations	.	.	.	.	200	200
Foreign	.	.	0	1,085	52	1,137
2001 r Natural sciences						
Total	326	40	0	7,899	2,060	10,326
Federal government	299	0	0	214	514	1,028
Provincial governments	1	40	0	4	233	278
Provincial research organizations	.	.	0	.	.	0
Business enterprise	26	0	0	5,613	255	5,894
Higher education	.	.	.	.	843	843
Private non-profit organizations	.	.	.	.	173	173
Foreign	.	.	0	2,068	42	2,110

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 4-7
Provincial Gross Domestic Expenditures on Research and Development, in the natural sciences and engineering
— Manitoba

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Natural sciences						
Total	83	4	0	196	228	510
Federal government	81	.	.	4	59	144
Provincial governments	0 ^s	4	0	1	12	17
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	.	0	174	18	194
Higher education	.	.	.	.	105	105
Private non-profit organizations	.	.	.	.	32	32
Foreign	.	.	.	17	2	19
2004 r Natural sciences						
Total	73	3	0	178	201	454
Federal government	71	.	.	4	60	134
Provincial governments	0 ^s	3	0	1	15	20
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	0	159	15	175
Higher education	.	.	.	.	85	85
Private non-profit organizations	.	.	.	.	24	24
Foreign	.	.	.	14	2	15
2003 r Natural sciences						
Total	63	3	0	150	185	400
Federal government	62	.	.	7	52	121
Provincial governments	0 ^s	3	0	3	13	18
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	0	133	18	153
Higher education	.	.	.	.	79	79
Private non-profit organizations	.	.	.	.	21	21
Foreign	.	.	.	7	2	9
2002 r Natural sciences						
Total	72	2	0	155	176	404
Federal government	69	.	.	5	48	122
Provincial governments	1	2	0	2	12	16
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	.	0	134	17	153
Higher education	.	.	.	.	76	76
Private non-profit organizations	.	.	.	.	20	20
Foreign	.	.	.	14	3	17
2001 r Natural sciences						
Total	77	2	0	173	161	413
Federal government	74	.	.	5	38	117
Provincial governments	1	2	0	2	12	16
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	.	0	155	18	175
Higher education	.	.	.	.	72	72
Private non-profit organizations	.	.	.	.	18	18
Foreign	.	.	.	11	3	14

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 4-8
Provincial Gross Domestic Expenditures on Research and Development, in the natural sciences and engineering
— Saskatchewan

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Natural sciences						
Total	68	4	11	150	174	408
Federal government	67	.	1	4	47	119
Provincial governments	.	4	4	2	16	26
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	6	133	13	154
Higher education	.	.	.	.	85	85
Private non-profit organizations	.	.	.	.	14	14
Foreign	.	.	0 ^s	11	0 ^s	11
2004^r Natural sciences						
Total	54	4	9	112	199	377
Federal government	53	.	1	5	57	116
Provincial governments	.	4	3	2	22	31
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	.	5	97	18	121
Higher education	.	.	.	.	89	89
Private non-profit organizations	.	.	.	.	12	12
Foreign	.	.	0 ^s	7	0 ^s	7
2003^r Natural sciences						
Total	54	4	7	88	197	350
Federal government	53	.	1	3	54	112
Provincial governments	.	4	3	2	24	33
Provincial research organizations	.	.	0 ^s	.	.	0 ^s
Business enterprise	1	.	3	76	17	98
Higher education	.	.	.	.	89	89
Private non-profit organizations	.	.	.	.	11	11
Foreign	.	.	0 ^s	7	1	8
2002^r Natural sciences						
Total	53	3	7	112	207	383
Federal government	52	.	0 ^s	4	49	105
Provincial governments	.	3	3	4	28	39
Provincial research organizations	.	.	0 ^s	.	.	0 ^s
Business enterprise	1	.	4	96	16	116
Higher education	.	.	.	.	94	94
Private non-profit organizations	.	.	.	.	20	20
Foreign	.	.	0 ^s	8	0 ^s	8
2001^r Natural sciences						
Total	63	3	7	87	187	347
Federal government	62	.	1	3	48	114
Provincial governments	.	3	3	4	34	45
Provincial research organizations	.	.	0 ^s	.	.	0 ^s
Business enterprise	1	.	3	70	11	85
Higher education	.	.	.	.	81	81
Private non-profit organizations	.	.	.	.	13	13
Foreign	.	.	0 ^s	10	0 ^s	10

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 4-9
Provincial Gross Domestic Expenditures on Research and Development, in the natural sciences and engineering — Alberta

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Natural sciences						
Total	130	122	0	1,073	786	2,111
Federal government	128	1	0	18	209	357
Provincial governments	.	111	0	4	146	261
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	10	0	998	62	1,071
Higher education	.	.	.	.	311	311
Private non-profit organizations	.	.	.	.	51	51
Foreign	.	..	0	53	7	60
2004 r Natural sciences						
Total	110	114	0	1,030	729	1,983
Federal government	109	1	0	10	168	288
Provincial governments	.	105	0	4	186	294
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	8	0	939	59	1,006
Higher education	.	.	.	.	270	270
Private non-profit organizations	.	.	.	.	41	41
Foreign	.	..	0	78	5	84
2003 r Natural sciences						
Total	87	101	0	861	683	1,732
Federal government	86	1	0	12	186	285
Provincial governments	.	92	0	4	146	242
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	8	0	766	59	834
Higher education	.	.	.	.	250	250
Private non-profit organizations	.	.	.	.	36	36
Foreign	.	..	0	79	6	85
2002 r Natural sciences						
Total	92	108	0	782	607	1,588
Federal government	91	2	0	7	160	260
Provincial governments	.	97	0	2	97	196
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	9	0	739	44	794
Higher education	.	.	.	.	256	256
Private non-profit organizations	.	.	.	.	43	43
Foreign	.	..	0	33	7	39
2001 r Natural sciences						
Total	98	114	0	710	558	1,480
Federal government	97	0	0	9	155	261
Provincial governments	.	102	0	4	100	207
Provincial research organizations	.	.	0	.	.	0
Business enterprise	1	11	0	608	52	672
Higher education	.	.	.	.	207	207
Private non-profit organizations	.	.	.	.	38	38
Foreign	.	..	0	89	6	96

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 4-10
Provincial Gross Domestic Expenditures on Research and Development, in the natural sciences and engineering
— British Columbia

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Natural sciences						
Total	91	15	0	1,450	707	2,263
Federal government	88	.	0	34	245	368
Provincial governments	0 ^s	15	0	11	65	92
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	0	0	916	43	962
Higher education	.	.	.	.	269	269
Private non-profit organizations	.	.	.	.	75	75
Foreign	.	.	.	489	10	499
2004 r Natural sciences						
Total	91	15	0	1,399	648	2,154
Federal government	88	.	0	36	237	361
Provincial governments	0 ^s	15	0	9	31	55
Provincial research organizations	.	.	0	.	.	0
Business enterprise	3	0	0	915	31	949
Higher education	.	.	.	.	247	247
Private non-profit organizations	.	.	.	.	94	94
Foreign	.	.	.	440	8	448
2003 r Natural sciences						
Total	80	14	0	1,173	620	1,886
Federal government	77	.	0	32	194	303
Provincial governments	0 ^s	14	0	21	70	105
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	0	0	897	65	963
Higher education	.	.	.	.	228	228
Private non-profit organizations	.	.	.	.	56	56
Foreign	.	.	.	224	7	231
2002 r Natural sciences						
Total	99	20	0	1,093	586	1,798
Federal government	97	.	0	38	175	309
Provincial governments	0 ^s	20	0	8	60	88
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	0	0	890	60	952
Higher education	.	.	.	.	226	226
Private non-profit organizations	.	.	.	.	54	54
Foreign	.	.	.	158	11	169
2001 r Natural sciences						
Total	96	22	0	1,079	441	1,637
Federal government	94	.	0	34	136	265
Provincial governments	0 ^s	22	0	10	28	61
Provincial research organizations	.	.	0	.	.	0
Business enterprise	2	0	0	882	50	934
Higher education	.	.	.	.	187	187
Private non-profit organizations	.	.	.	.	31	31
Foreign	.	.	.	153	9	161

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 4-11
Provincial Gross Domestic Expenditures on Research and Development, in the natural sciences and engineering
— Yukon Territory, Northwest Territories and Nunavut

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Natural sciences						
Total	9	.	.	3	.	12
Federal government	9	.	.	0 ^s	.	9
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	2	.	3
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	0 ^s	.	0 ^s
2004 r Natural sciences						
Total	6	.	.	5	.	10
Federal government	5	.	.	0 ^s	.	5
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	4	.	4
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	1	.	1
2003 r Natural sciences						
Total	5	.	.	1	.	6
Federal government	5	.	.	0	.	5
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	1	.	1
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	0 ^s	.	0 ^s
2002 r Natural sciences						
Total	3	.	.	1	.	4
Federal government	3	.	.	0	.	3
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	1	.	1
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	0 ^s	.	0 ^s
2001 r Natural sciences						
Total	3	.	.	1	.	4
Federal government	3	.	.	0	.	3
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	1	.	1
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	0	.	0 ^s

Table 4-12
Provincial Gross Domestic Expenditures on Research and Development, in the natural sciences and engineering — National Capital Region, Ontario/Quebec

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Natural sciences						
Total	1,002	.	.	.	.	1,002
Federal government	982	.	.	.	.	982
Provincial governments	1	.	.	.	.	1
Provincial research organizations	.	.	.	.	.	.
Business enterprise	19	.	.	.	.	19
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.
2004 r Natural sciences						
Total	844	.	.	.	.	844
Federal government	829	.	.	.	.	829
Provincial governments	1	.	.	.	.	1
Provincial research organizations	.	.	.	.	.	.
Business enterprise	14	.	.	.	.	14
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.
2003 r Natural sciences						
Total	881	.	.	.	.	881
Federal government	865	.	.	.	.	865
Provincial governments	1	.	.	.	.	1
Provincial research organizations	.	.	.	.	.	.
Business enterprise	15	.	.	.	.	15
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.
2002 r Natural sciences						
Total	900	.	.	.	.	900
Federal government	879	.	.	.	.	879
Provincial governments	2	.	.	.	.	2
Provincial research organizations	.	.	.	.	.	.
Business enterprise	18	.	.	.	.	18
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.
2001 r Natural sciences						
Total	836	.	.	.	.	836
Federal government	816	.	.	.	.	816
Provincial governments	2	.	.	.	.	2
Provincial research organizations	.	.	.	.	.	.
Business enterprise	16	.	.	.	.	16
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 5
National Gross Domestic Expenditures on Research and Development, in the social sciences and humanities, Canada

Funding sector	Performing sector						Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	Private non-profit organizations	
millions of dollars							
2007 Social sciences							
Total	131	31	.	.	2,070	5	2,236
Federal government	131	.	.	.	457	1	589
Provincial governments	.	31	.	.	213	1	244
Provincial research organizations	.	.	.	.	.	.	.
Business enterprise	.	.	.	.	33	1	34
Higher education	.	.	.	.	1,216	.	1,216
Private non-profit organizations	.	.	.	.	152	2	154
Foreign	.	.	.	.	.	.	.
2006 Social sciences							
Total	124	30	.	.	1,979	5	2,139
Federal government	124	.	.	.	436	1	562
Provincial governments	.	30	.	.	204	1	235
Provincial research organizations	.	.	.	.	.	.	.
Business enterprise	.	.	.	.	31	1	32
Higher education	.	.	.	.	1,162	.	1,162
Private non-profit organizations	.	.	.	.	146	2	148
Foreign	.	.	.	.	.	.	.
2005 † Social sciences							
Total	124	30	.	.	1,889	10	2,053
Federal government	124	.	.	.	416	3	544
Provincial governments	.	30	.	.	195	3	227
Provincial research organizations	.	.	.	.	.	.	.
Business enterprise	.	.	.	.	29	.	29
Higher education	.	.	.	.	1,109	.	1,109
Private non-profit organizations	.	.	.	.	139	4	143
Foreign	.	.	.	.	.	.	.
2004 † Social sciences							
Total	118	24	.	.	1,778	5	1,925
Federal government	118	.	.	.	377	1	496
Provincial governments	.	24	.	.	208	1	233
Provincial research organizations	.	.	.	.	.	.	.
Business enterprise	.	.	.	.	27	1	28
Higher education	.	.	.	.	1,037	.	1,037
Private non-profit organizations	.	.	.	.	129	2	131
Foreign	.	.	.	.	.	.	.
2003 † Social sciences							
Total	120	25	.	.	1,599	5	1,748
Federal government	120	.	.	.	336	1	456
Provincial governments	.	25	.	.	204	2	230
Provincial research organizations	.	.	.	.	.	.	.
Business enterprise	.	.	.	.	25	1	26
Higher education	.	.	.	.	920	.	920
Private non-profit organizations	.	.	.	.	114	1	114
Foreign	.	.	.	.	.	.	.
2002 † Social sciences							
Total	117	20	.	.	1,414	4	1,557
Federal government	117	.	.	.	229	1	347
Provincial governments	.	20	.	.	165	1	187
Provincial research organizations	.	.	.	.	.	.	.
Business enterprise	.	.	.	.	24	1	25
Higher education	.	.	.	.	885	.	885
Private non-profit organizations	.	.	.	.	111	1	112
Foreign	.	.	.	.	.	.	.

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 5 – continued

National Gross Domestic Expenditures on Research and Development, in the social sciences and humanities, Canada

Funding sector	Performing sector						Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	Private non-profit organizations	
millions of dollars							
2001 r Social sciences							
Total	93	18	.	.	1,274	4	1,389
Federal government	93	.	.	.	231	.	324
Provincial governments	.	18	.	.	142	2	163
Provincial research organizations	.	.	.	.	.	.	.
Business enterprise	.	.	.	.	25	1	26
Higher education	.	.	.	.	778	.	778
Private non-profit organizations	.	.	.	.	98	1	99
Foreign	.	.	.	.	.	.	.
2000 r Social sciences							
Total	85	18	.	.	1,202	3	1,308
Federal government	85	.	.	.	187	.	272
Provincial governments	.	18	.	.	117	1	136
Provincial research organizations	.	.	.	.	.	.	.
Business enterprise	.	.	.	.	22	.	23
Higher education	.	.	.	.	800	.	800
Private non-profit organizations	.	.	.	.	76	1	77
Foreign	.	.	.	.	.	.	.
1999 r Social sciences							
Total	85	13	.	.	1,062	9	1,170
Federal government	85	.	.	.	142	.	227
Provincial governments	.	13	.	.	96	3	112
Provincial research organizations	.	.	.	.	.	.	.
Business enterprise	.	.	.	.	20	.	20
Higher education	.	.	.	.	740	.	740
Private non-profit organizations	.	.	.	.	64	5	69
Foreign	.	.	.	.	.	1	1
1998 r Social sciences							
Total	76	16	.	.	904	9	1,005
Federal government	76	.	.	.	112	1	189
Provincial governments	.	16	.	.	75	2	93
Provincial research organizations	.	.	.	.	.	.	.
Business enterprise	.	.	.	.	18	1	19
Higher education	.	.	.	.	642	.	642
Private non-profit organizations	.	.	.	.	57	5	62
Foreign	.	.	.	.	.	.	.
1997 r Social sciences							
Total	69	16	.	.	732	9	826
Federal government	69	.	.	.	101	1	171
Provincial governments	.	16	.	.	74	2	92
Provincial research organizations	.	.	.	.	.	.	.
Business enterprise	.	.	.	.	16	1	16
Higher education	.	.	.	.	485	.	485
Private non-profit organizations	.	.	.	.	56	5	61
Foreign	.	.	.	.	.	.	.
1996 r Social sciences							
Total	68	16	.	.	705	9	799
Federal government	68	.	.	.	101	1	170
Provincial governments	.	16	.	.	60	2	78
Provincial research organizations	.	.	.	.	.	.	.
Business enterprise	.	.	.	.	15	1	16
Higher education	.	.	.	.	476	.	476
Private non-profit organizations	.	.	.	.	53	4	57
Foreign	.	.	.	.	.	1	1

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 6-1
Provincial Gross Domestic Expenditures on Research and Development, in the social sciences and humanities
— Newfoundland and Labrador

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Social sciences						
Total	32	32
Federal government	10	10
Provincial governments
Provincial research organizations
Business enterprise
Higher education	21	21
Private non-profit organizations	1	1
Foreign
2004 r Social sciences						
Total	27	27
Federal government	7	7
Provincial governments
Provincial research organizations
Business enterprise
Higher education	18	18
Private non-profit organizations	2	2
Foreign
2003 r Social sciences						
Total	29	29
Federal government	7	7
Provincial governments
Provincial research organizations
Business enterprise
Higher education	19	19
Private non-profit organizations	3	3
Foreign
2002 r Social sciences						
Total	22	22
Federal government	4	4
Provincial governments	1	1
Provincial research organizations
Business enterprise
Higher education	16	16
Private non-profit organizations	1	1
Foreign
2001 r Social sciences						
Total	24	24
Federal government	3	3
Provincial governments	1	1
Provincial research organizations
Business enterprise
Higher education	17	17
Private non-profit organizations	3	3
Foreign

Table 6-2
Provincial Gross Domestic Expenditures on Research and Development, in the social sciences and humanities
— Prince Edward Island

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Social sciences						
Total	7	7
Federal government	2	2
Provincial governments
Provincial research organizations
Business enterprise
Higher education	5	5
Private non-profit organizations
Foreign
2004 r Social sciences						
Total	7	7
Federal government	2	2
Provincial governments
Provincial research organizations
Business enterprise
Higher education	5	5
Private non-profit organizations	1	1
Foreign
2003 r Social sciences						
Total	7	7
Federal government	1	1
Provincial governments
Provincial research organizations
Business enterprise
Higher education	5	5
Private non-profit organizations	1	1
Foreign
2002 r Social sciences						
Total	6	6
Federal government	1	1
Provincial governments
Provincial research organizations
Business enterprise
Higher education	4	4
Private non-profit organizations
Foreign
2001 r Social sciences						
Total	4	4
Federal government	1	1
Provincial governments
Provincial research organizations
Business enterprise
Higher education	3	3
Private non-profit organizations
Foreign

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

**Table 6-3
Provincial Gross Domestic Expenditures on Research and Development, in the social sciences and humanities — Nova Scotia**

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Social sciences						
Total	72	72
Federal government	16	16
Provincial governments	1	1
Provincial research organizations
Business enterprise	1	1
Higher education	53	53
Private non-profit organizations	1	1
Foreign
2004 r Social sciences						
Total	64	64
Federal government	13	13
Provincial governments	2	2
Provincial research organizations
Business enterprise	1	1
Higher education	48	48
Private non-profit organizations	1	1
Foreign
2003 r Social sciences						
Total	58	58
Federal government	10	10
Provincial governments	2	2
Provincial research organizations
Business enterprise
Higher education	45	45
Private non-profit organizations	1	1
Foreign
2002 r Social sciences						
Total	51	51
Federal government	8	8
Provincial governments	1	1
Provincial research organizations
Business enterprise
Higher education	41	41
Private non-profit organizations	1	1
Foreign
2001 r Social sciences						
Total	49	49
Federal government	7	7
Provincial governments	1	1
Provincial research organizations
Business enterprise
Higher education	40	40
Private non-profit organizations	1	1
Foreign

Table 6-4
Provincial Gross Domestic Expenditures on Research and Development, in the social sciences and humanities
— New Brunswick

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Social sciences						
Total	46	46
Federal government	11	11
Provincial governments	1	1
Provincial research organizations
Business enterprise
Higher education	34	34
Private non-profit organizations
Foreign
2004 r Social sciences						
Total	40	40
Federal government	8	8
Provincial governments	1	1
Provincial research organizations
Business enterprise
Higher education	31	31
Private non-profit organizations
Foreign
2003 r Social sciences						
Total	38	38
Federal government	7	7
Provincial governments	1	1
Provincial research organizations
Business enterprise
Higher education	30	30
Private non-profit organizations
Foreign
2002 r Social sciences						
Total	32	32
Federal government	4	4
Provincial governments
Provincial research organizations
Business enterprise
Higher education	28	28
Private non-profit organizations
Foreign
2001 r Social sciences						
Total	29	29
Federal government	4	4
Provincial governments
Provincial research organizations
Business enterprise
Higher education	25	25
Private non-profit organizations
Foreign

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

**Table 6-5
Provincial Gross Domestic Expenditures on Research and Development, in the social sciences and humanities — Quebec**

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Social sciences						
Total	1	21	.	.	488	510
Federal government	1	.	.	.	100	101
Provincial governments	.	21	.	.	52	73
Provincial research organizations
Business enterprise	13	13
Higher education	287	287
Private non-profit organizations	37	37
Foreign
2004 r Social sciences						
Total	.	18	.	.	486	504
Federal government	94	95
Provincial governments	.	18	.	.	64	82
Provincial research organizations
Business enterprise	11	11
Higher education	279	279
Private non-profit organizations	38	38
Foreign
2003 r Social sciences						
Total	.	17	.	.	454	471
Federal government	90	90
Provincial governments	.	17	.	.	67	84
Provincial research organizations
Business enterprise	11	11
Higher education	250	250
Private non-profit organizations	36	36
Foreign
2002 r Social sciences						
Total	.	16	.	.	396	413
Federal government	63	63
Provincial governments	.	16	.	.	52	68
Provincial research organizations
Business enterprise	11	11
Higher education	232	232
Private non-profit organizations	38	38
Foreign
2001 r Social sciences						
Total	1	13	.	.	331	345
Federal government	1	.	.	.	58	59
Provincial governments	.	13	.	.	39	52
Provincial research organizations
Business enterprise	11	11
Higher education	193	193
Private non-profit organizations	31	31
Foreign

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

**Table 6-6
Provincial Gross Domestic Expenditures on Research and Development, in the social sciences and humanities — Ontario**

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Social sciences						
Total	3	6	.	.	761	770
Federal government	3	.	.	.	166	169
Provincial governments	.	6	.	.	80	86
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	.	13	13
Higher education	.	.	.	.	442	442
Private non-profit organizations	.	.	.	.	60	60
Foreign	.	.	.	.	.	.
2004 r Social sciences						
Total	2	4	.	.	696	702
Federal government	2	.	.	.	148	150
Provincial governments	.	4	.	.	78	82
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	.	13	13
Higher education	.	.	.	.	409	409
Private non-profit organizations	.	.	.	.	48	48
Foreign	.	.	.	.	.	.
2003 r Social sciences						
Total	2	4	.	.	603	609
Federal government	2	.	.	.	129	131
Provincial governments	.	4	.	.	71	75
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	.	11	11
Higher education	.	.	.	.	348	348
Private non-profit organizations	.	.	.	.	44	44
Foreign	.	.	.	.	.	.
2002 r Social sciences						
Total	2	3	.	.	535	540
Federal government	2	.	.	.	83	84
Provincial governments	.	3	.	.	62	65
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	.	10	10
Higher education	.	.	.	.	341	341
Private non-profit organizations	.	.	.	.	39	39
Foreign	.	.	.	.	.	.
2001 r Social sciences						
Total	2	5	.	.	515	522
Federal government	2	.	.	.	97	99
Provincial governments	.	5	.	.	58	63
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	.	12	12
Higher education	.	.	.	.	308	308
Private non-profit organizations	.	.	.	.	40	40
Foreign	.	.	.	.	.	.

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 6-7
Provincial Gross Domestic Expenditures on Research and Development, in the social sciences and humanities
— Manitoba

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Social sciences						
Total	.	1	.	.	67	68
Federal government	13	13
Provincial governments	.	1	.	.	3	4
Provincial research organizations
Business enterprise	1	1
Higher education	44	44
Private non-profit organizations	6	6
Foreign
2004 r Social sciences						
Total	.	1	.	.	60	61
Federal government	12	12
Provincial governments	.	1	.	.	4	5
Provincial research organizations
Business enterprise	1	1
Higher education	38	38
Private non-profit organizations	5	5
Foreign
2003 r Social sciences						
Total	.	1	.	.	54	55
Federal government	10	10
Provincial governments	.	1	.	.	3	4
Provincial research organizations
Business enterprise	1	1
Higher education	36	36
Private non-profit organizations	4	4
Foreign
2002 r Social sciences						
Total	.	1	.	.	49	50
Federal government	8	8
Provincial governments	.	1	.	.	3	4
Provincial research organizations
Business enterprise	1	1
Higher education	33	33
Private non-profit organizations	4	4
Foreign
2001 r Social sciences						
Total	.	1	.	.	44	45
Federal government	6	6
Provincial governments	.	1	.	.	3	4
Provincial research organizations
Business enterprise	1	1
Higher education	31	31
Private non-profit organizations	3	3
Foreign

Table 6-8
Provincial Gross Domestic Expenditures on Research and Development, in the social sciences and humanities
— Saskatchewan

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Social sciences						
Total	43	43
Federal government	7	7
Provincial governments	4	4
Provincial research organizations
Business enterprise
Higher education	31	31
Private non-profit organizations	1	1
Foreign
2004 r Social sciences						
Total	46	46
Federal government	8	8
Provincial governments	5	5
Provincial research organizations
Business enterprise
Higher education	32	32
Private non-profit organizations	1	1
Foreign
2003 r Social sciences						
Total	48	48
Federal government	9	9
Provincial governments	6	6
Provincial research organizations
Business enterprise
Higher education	32	32
Private non-profit organizations	1	1
Foreign
2002 r Social sciences						
Total	52	52
Federal government	8	8
Provincial governments	7	7
Provincial research organizations
Business enterprise
Higher education	35	35
Private non-profit organizations	1	1
Foreign
2001 r Social sciences						
Total	49	49
Federal government	9	9
Provincial governments	8	8
Provincial research organizations
Business enterprise
Higher education	31	31
Private non-profit organizations	1	1
Foreign

Gross Domestic Expenditures on Research and Development in Canada and the Provinces – National Estimates 1996 to 2007 Provincial Estimates 2001 to 2005

Table 6-9
Provincial Gross Domestic Expenditures on Research and Development, in the social sciences and humanities — Alberta

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Social sciences						
Total	176	176
Federal government	43	43
Provincial governments	36	36
Provincial research organizations
Business enterprise	1	1
Higher education	86	86
Private non-profit organizations	10	10
Foreign
2004 r Social sciences						
Total	169	169
Federal government	38	38
Provincial governments	46	46
Provincial research organizations
Business enterprise	1	1
Higher education	76	76
Private non-profit organizations	8	8
Foreign
2003 r Social sciences						
Total	.	1	.	.	144	145
Federal government	35	35
Provincial governments	.	1	.	.	36	38
Provincial research organizations
Business enterprise	1	1
Higher education	63	63
Private non-profit organizations	8	8
Foreign
2002 r Social sciences						
Total	121	121
Federal government	21	21
Provincial governments	24	24
Provincial research organizations
Business enterprise	1	1
Higher education	65	65
Private non-profit organizations	10	10
Foreign
2001 r Social sciences						
Total	107	107
Federal government	21	21
Provincial governments	25	25
Provincial research organizations
Business enterprise
Higher education	52	52
Private non-profit organizations	9	9
Foreign

Table 6-10
Provincial Gross Domestic Expenditures on Research and Development, in the social sciences and humanities
— British Columbia

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Social sciences						
Total	.	2	.	.	197	199
Federal government	49	49
Provincial governments	.	2	.	.	16	18
Provincial research organizations
Business enterprise	1	1
Higher education	108	108
Private non-profit organizations	23	23
Foreign
2004 r Social sciences						
Total	.	1	.	.	183	184
Federal government	47	47
Provincial governments	.	1	.	.	8	9
Provincial research organizations
Business enterprise
Higher education	101	101
Private non-profit organizations	27	27
Foreign
2003 r Social sciences						
Total	.	1	.	.	165	166
Federal government	38	38
Provincial governments	.	1	.	.	18	19
Provincial research organizations
Business enterprise	1	1
Higher education	92	92
Private non-profit organizations	16	16
Foreign
2002 r Social sciences						
Total	.	1	.	.	151	152
Federal government	29	29
Provincial governments	.	1	.	.	15	16
Provincial research organizations
Business enterprise	1	1
Higher education	90	90
Private non-profit organizations	16	16
Foreign
2001 r Social sciences						
Total	121	121
Federal government	25	25
Provincial governments	7	7
Provincial research organizations
Business enterprise	1	1
Higher education	78	78
Private non-profit organizations	10	10
Foreign

Table 6-11
Provincial Gross Domestic Expenditures on Research and Development, in the social sciences and humanities
— Yukon Territory, Northwest Territories and Nunavut

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Social sciences						
Total
Federal government
Provincial governments
Provincial research organizations
Business enterprise
Higher education
Private non-profit organizations
Foreign
2004 r Social sciences						
Total
Federal government
Provincial governments
Provincial research organizations
Business enterprise
Higher education
Private non-profit organizations
Foreign
2003 r Social sciences						
Total
Federal government
Provincial governments
Provincial research organizations
Business enterprise
Higher education
Private non-profit organizations
Foreign
2002 r Social sciences						
Total
Federal government
Provincial governments
Provincial research organizations
Business enterprise
Higher education
Private non-profit organizations
Foreign
2001 r Social sciences						
Total
Federal government
Provincial governments
Provincial research organizations
Business enterprise
Higher education
Private non-profit organizations
Foreign

Table 6-12
Provincial Gross Domestic Expenditures on Research and Development, in the social sciences and humanities — National Capital Region, Ontario/Quebec

Funding sector	Performing sector					Total
	Federal government	Provincial governments	Provincial research organizations	Business enterprise	Higher education	
millions of dollars						
2005 Social sciences						
Total	121	.	.	.	.	121
Federal government	121	.	.	.	.	121
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	.	.	.
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.
2004 r Social sciences						
Total	116	.	.	.	.	116
Federal government	116	.	.	.	.	116
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	.	.	.
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.
2003 r Social sciences						
Total	118	.	.	.	.	118
Federal government	118	.	.	.	.	118
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	.	.	.
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.
2002 r Social sciences						
Total	115	.	.	.	.	115
Federal government	115	.	.	.	.	115
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	.	.	.
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.
2001 r Social sciences						
Total	90	.	.	.	.	90
Federal government	90	.	.	.	.	90
Provincial governments	.	.	.	.	.	.
Provincial research organizations	.	.	.	.	.	.
Business enterprise	.	.	.	.	.	.
Higher education	.	.	.	.	.	.
Private non-profit organizations	.	.	.	.	.	.
Foreign	.	.	.	.	.	.