



Competition year 2019 statistics: Postgraduate Scholarships, Alexander Graham Bell Canada Graduate Scholarships, Postdoctoral Fellowships Program and Undergraduate Student Research Awards

This document includes tables and figures that provide summary information on the Natural Sciences and Engineering Research Council of Canada (NSERC)'s 2019 Postgraduate Scholarships - Doctoral (PGS-D); Alexander Graham Bell Canada Graduate Scholarships - Doctoral (CGS-D); Postdoctoral Fellowships (PDF) competitions; and the 2018 Undergraduate Student Research Awards (USRA). The data contained herein corresponds to offers of scholarships and fellowships that NSERC was able to make in accordance with the available budget. Additional offers may be made once the number of recipients who decline their offers is known.

Section 1 – Postdoctoral Fellowship statistics	2
Figure 1 – Postdoctoral Fellowship <i>applications</i> by region, competition year 2019	2
Figure 2 – Postdoctoral Fellowship <i>awards</i> by region, competition year 2019	3
Figure 3 – Postdoctoral Fellowship applications received and awards offered by competition year (2015–2019) .	4
Figure 4 – Gender distribution of Postdoctoral Scholarship applications and awards, competition year 2019	4
Table 1 – Postdoctoral Fellowship success rates by gender and selection committee, competition year 2019	5
Section 2 – Postgraduate Scholarship statistics	6
Figure 5 – Postgraduate Scholarship (CGS-D/PGS-D) <i>applications</i> by region, competition year 2019	6
Figure 6 – Postgraduate Scholarship (CGS-D/PGS-D) <i>awards</i> by region, competition year 2019	7
Figure 7 – Postgraduate Scholarship applications received and awards offered by year	8
Figure 8 – Gender distribution of postgraduate scholarship (CGS-D/PGS-D) applications and awards, competition year 2019	9
Table 2 – Postgraduate Scholarship success rates by gender and selection committee, competition year 2019 .	10
Section 3 – Undergraduate Student Research Award statistics	11
Table 3 – Undergraduate Student Research Award competition results by region, fiscal year 2018–19	11
Figure 9 – Number of Undergraduate Student Research Awards by fiscal year	11
Table 4 – Undergraduate Student Research Award proportion of awards by gender and by research area for fiscal year 2018–19	12
Figure 10 – Number of Undergraduate Student Research Award recipients who self-identified as Indigenous by gender and fiscal year	13



Section 1 – Postdoctoral Fellowship statistics

Figure 1 – Postdoctoral Fellowship *applications* by region, competition year 2019

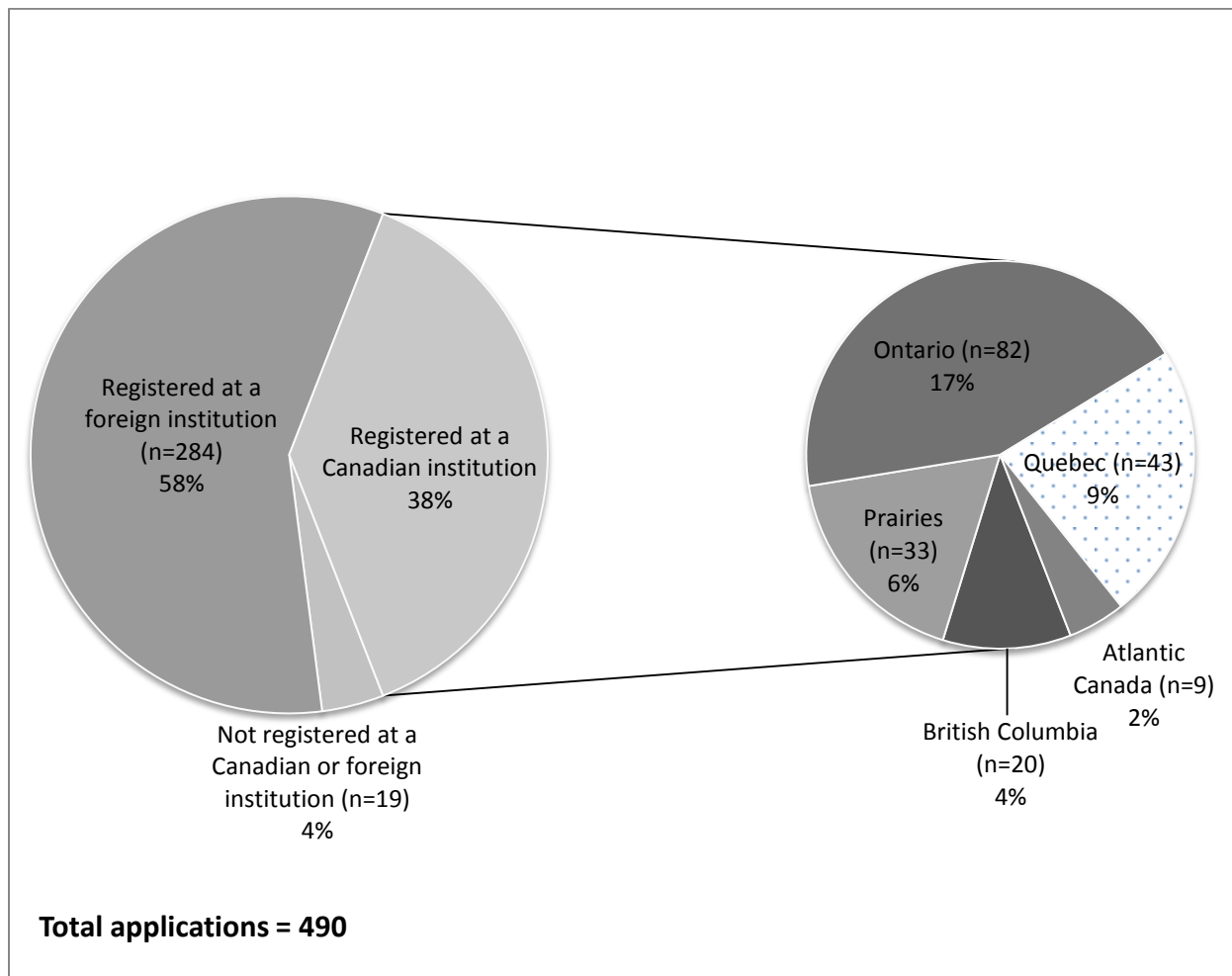
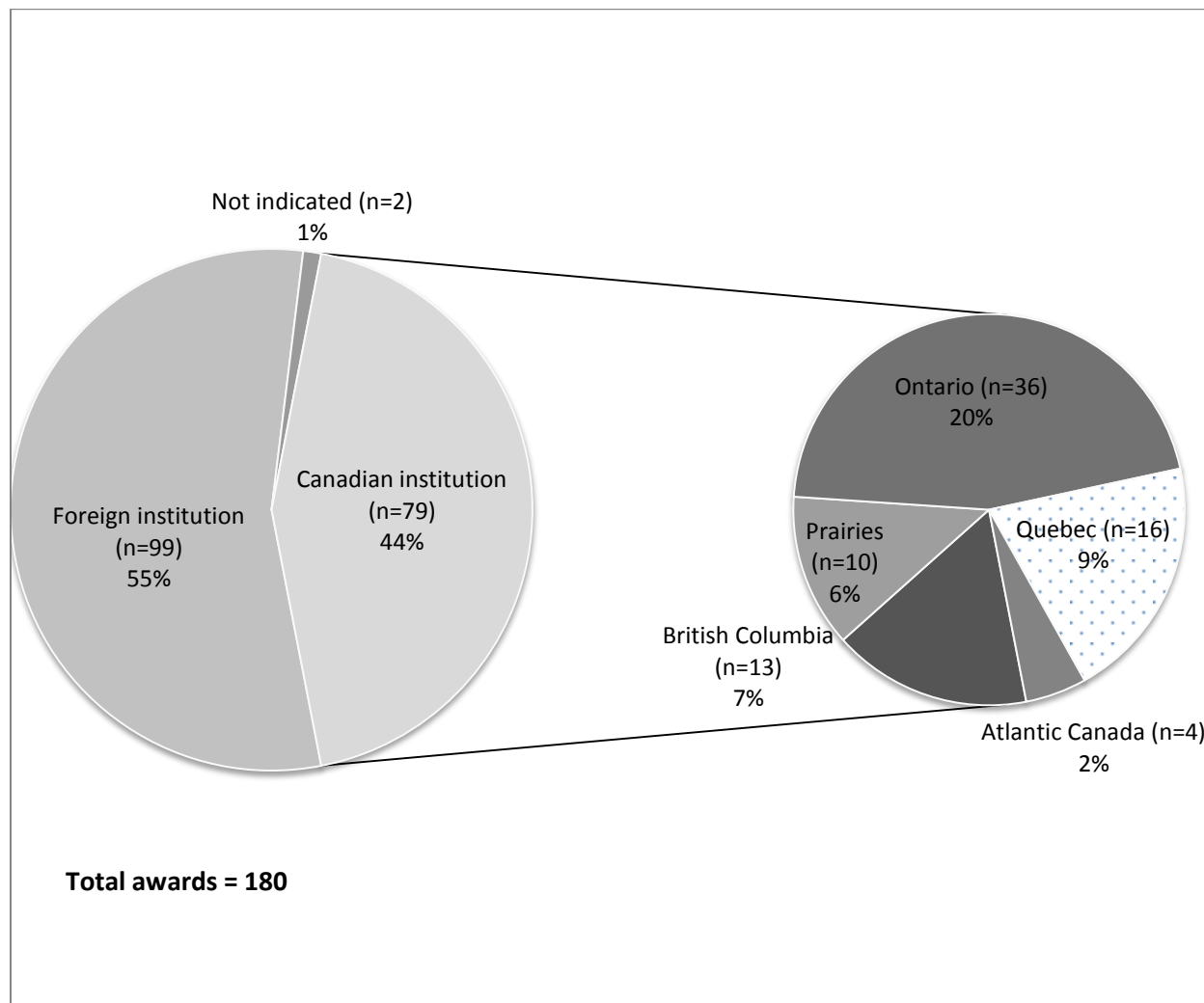




Figure 2 – Postdoctoral Fellowship awards^{1,2} by region, competition year 2019



¹ Reflects initial offers only

² Based on the applicant's proposed first choice of tenure location

Note: Figures 1 and 2 cannot be directly compared as applicants registered at a Canadian institution at the time of their application may take up their awards at a foreign institution. The opposite is also true, as per the Postdoctoral Fellowship program guidelines: http://www.nserc-crsng.gc.ca/students-etudiants/pd-np/pdf-bp_eng.asp



Figure 3 – Postdoctoral Fellowship applications received and awards offered by competition year (2015–2019)³

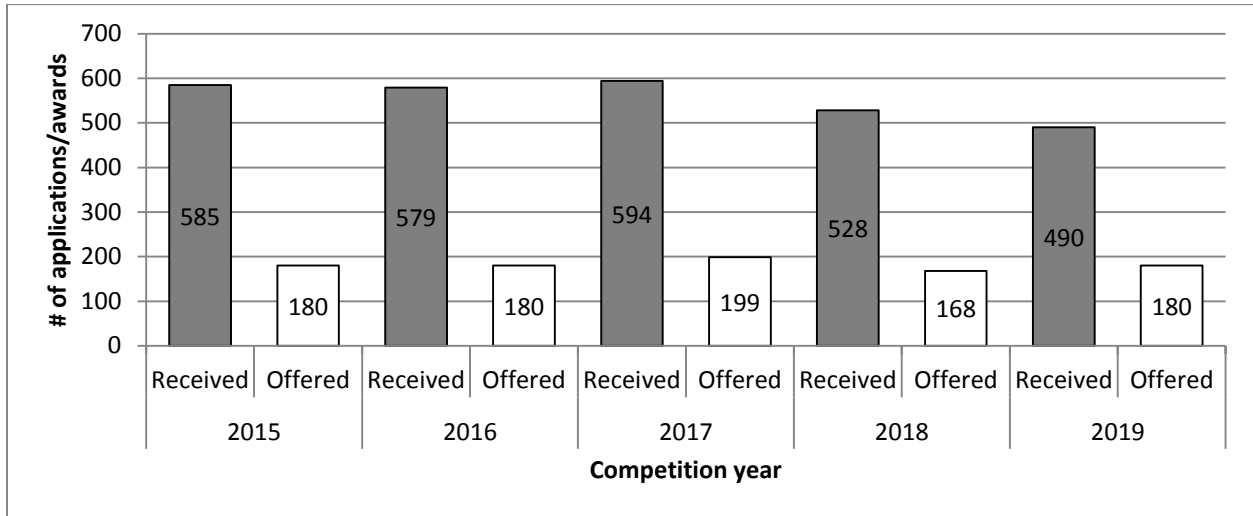
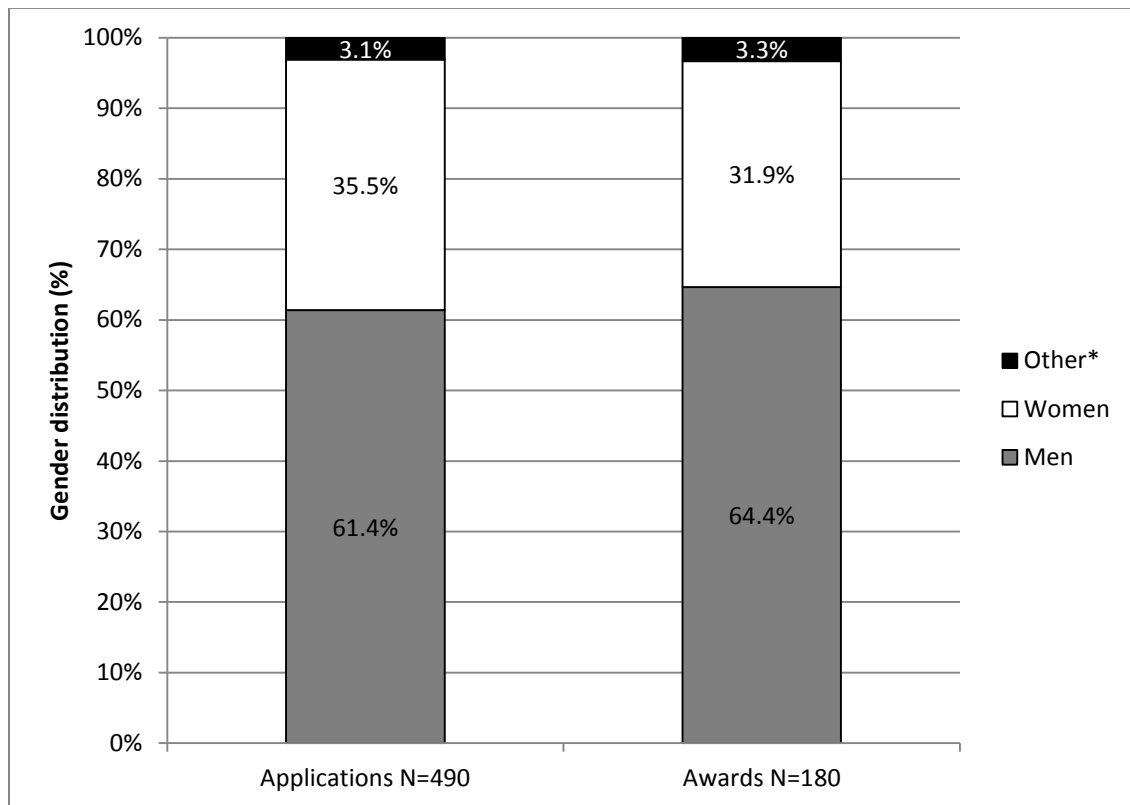


Figure 4 – Gender distribution of Postdoctoral Scholarship applications and awards, competition year 2019



* "Other" is an aggregation of the responses "Gender-fluid, non-binary and/or two-spirit" and "I prefer not to answer."

³ Reflects initial offers only



Table 1 – Postdoctoral Fellowship success rates⁴ by gender and selection committee, competition year 2019

Selection committee	PDF			
	Success rate			
	Women	Men	Other*	Total
Earth Sciences	42%	33%	**	37%
Evolution and Ecology	21%	57%	**	37%
Mathematical Sciences	29%	38%	50%	37%
Physics and Astronomy	22%	45%	**	35%
Chemistry	33%	38%	50%	37%
Cellular and Molecular Biology	41%	39%	**	38%
Chemical, Biomedical and Materials Science Engineering	42%	36%	**	37%
Plant and Animal Biology	32%	35%	100%	35%
Psychology	33%	43%	**	37%
Electrical Engineering	25%	39%	**	38%
Computing Sciences	30%	40%	**	36%
Civil and Industrial Engineering	45%	30%	50%	36%
Mechanical Engineering	33%	30%	100%	35%
Grand total	33%	39%	40%	37%

* "Other" is an aggregation of the responses "Gender-fluid, non-binary and/or two-spirit" and "I prefer not to answer."

** Indicates that the success rate is not applicable to that category of applicant.

⁴ Reflects initial offers only



Section 2 – Postgraduate Scholarship statistics

Figure 5 – Postgraduate Scholarship (CGS-D/PGS-D) applications by region, competition year 2019

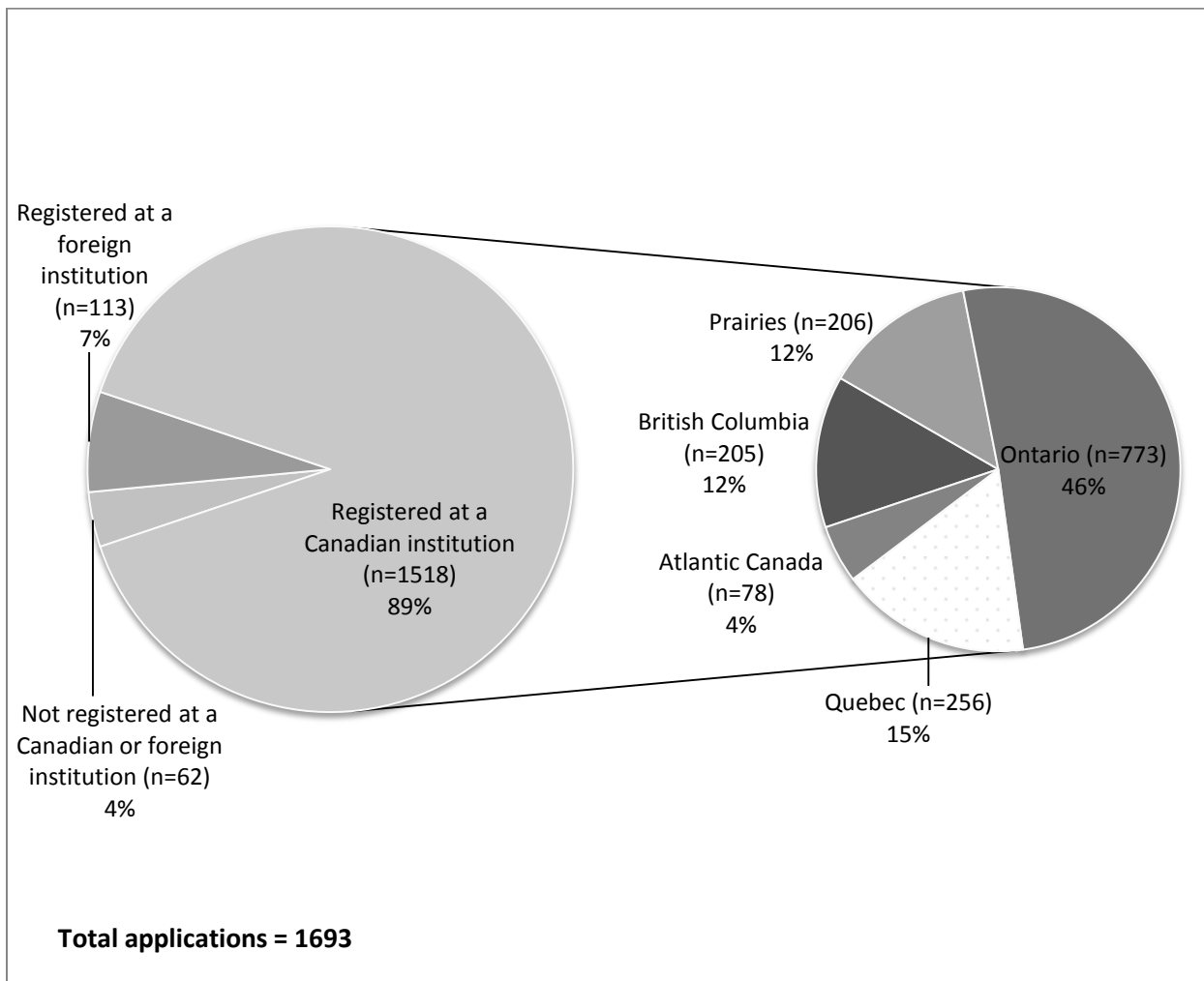
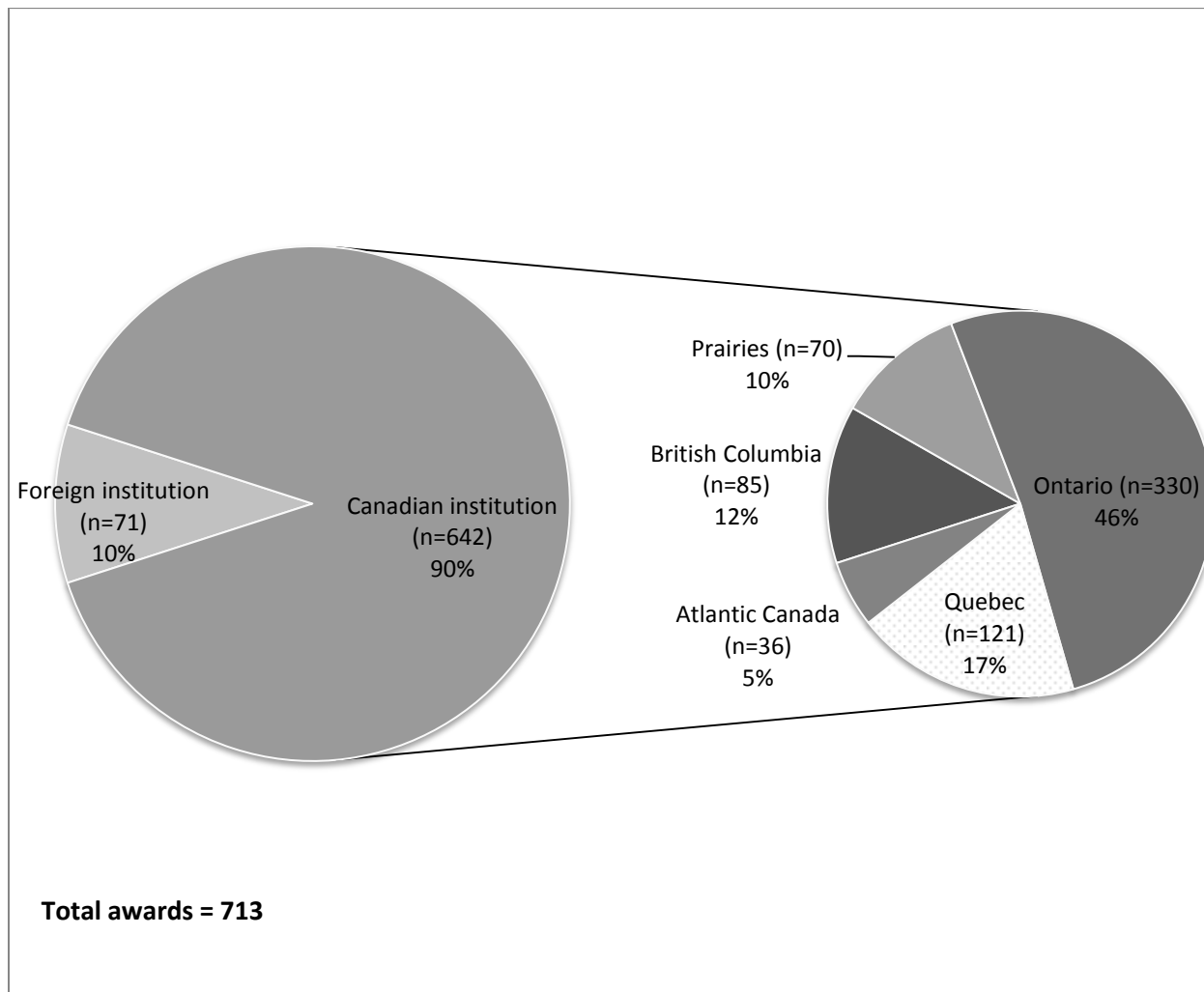




Figure 6 – Postgraduate Scholarship (CGS-D/PGS-D) awards^{5,6} by region, competition year 2019

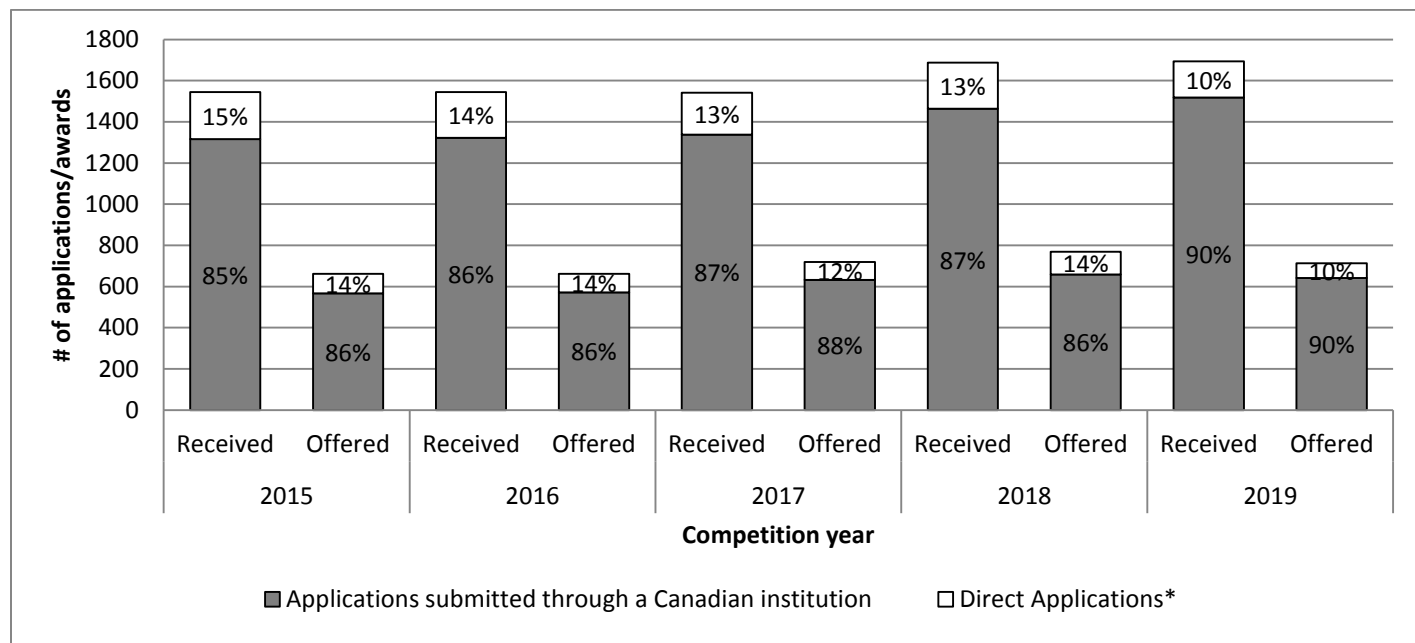


⁵ Reflects initial offers only

⁶ Based on the applicant's proposed first choice of tenure location



Figure 7 – Postgraduate Scholarship applications received and awards offered⁷ by year

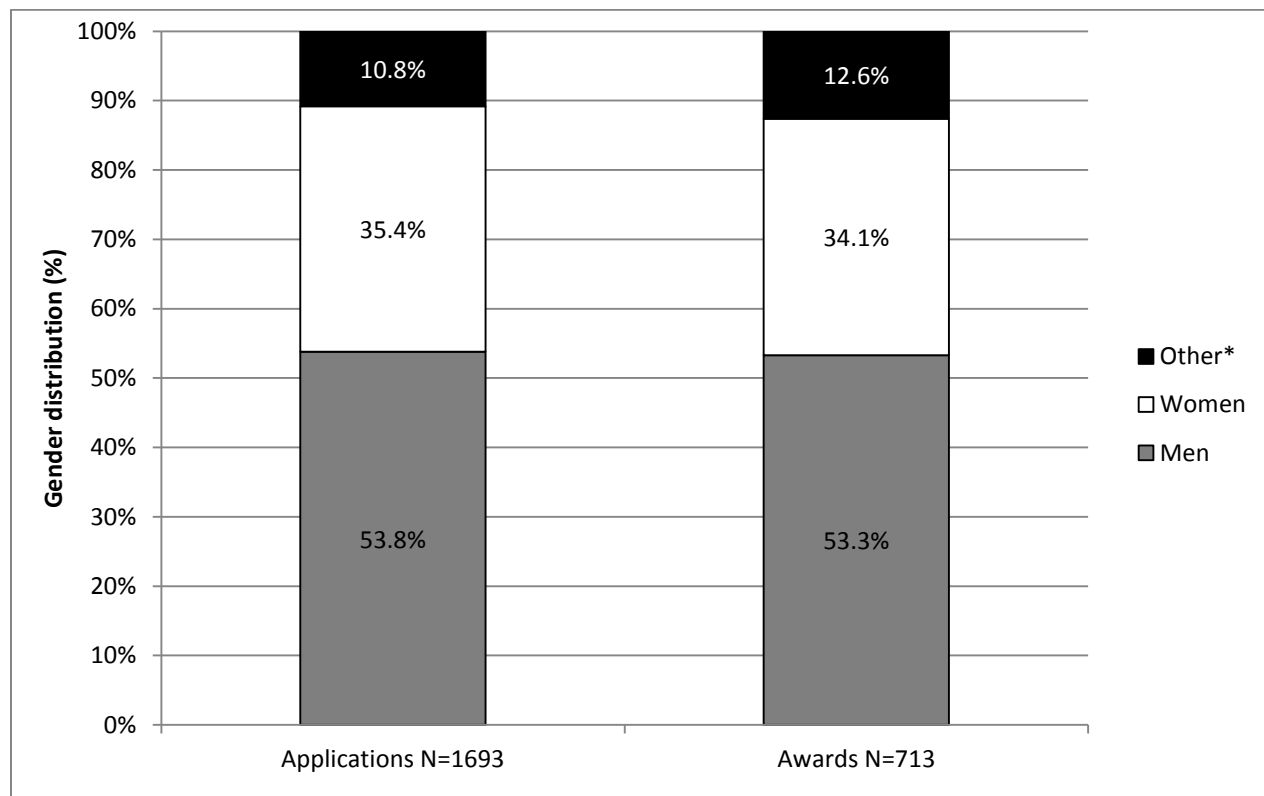


* Direct applications are those submitted to NSERC directly, without going through the screening process at a Canadian university. For additional information please see the program description: https://www.nserc-crsng.gc.ca/Students-Etudiants/PG-CS/BellandPostgrad-BelletSuperieures_eng.asp.

⁷ Reflects initial offers only



Figure 8 – Gender distribution of postgraduate scholarship (CGS-D/PGS-D) applications and awards, competition year 2019



* "Other" is an aggregation of the responses "Gender-fluid, non-binary and/or two-spirit" and "I prefer not to answer."



Table 2 – Postgraduate Scholarship success rates⁸ by gender and selection committee, competition year 2019

Selection committee	CGS-D / PGS-D combined			
	Women	Men	Other*	Total
Earth Sciences	44%	41%	29%	42%
Evolution and Ecology	38%	42%	60%	42%
Mathematical Sciences	32%	48%	17%	43%
Physics and Astronomy	46%	38%	50%	41%
Chemistry	43%	39%	100%	42%
Cellular and Molecular Biology	45%	41%	39%	42%
Chemical, Biomedical and Materials Science Engineering	36%	48%	47%	43%
Plant and Animal Biology	44%	41%	39%	42%
Psychology	40%	42%	56%	43%
Electrical Engineering	33%	44%	25%	42%
Computing Sciences	41%	38%	56%	42%
Civil and Industrial Engineering	29%	47%	44%	41%
Mechanical Engineering	38%	37%	67%	42%
Grand total	41%	42%	49%	42%

* “Other” is an aggregation of the responses “Gender-fluid, non-binary and/or two-spirit” and “I prefer not to answer.”

⁸ Reflects initial offers only



Section 3 – Undergraduate Student Research Award statistics

Table 3 – Undergraduate Student Research Award competition results by region, fiscal year 2018–19

Region	USRA	
	(%)	No.
British Columbia	13.2%	455
Prairies	16.2%	558
Ontario	39.9%	1375
Quebec	21.9%	753
Atlantic Canada	8.7%	301

Figure 9 – Number of Undergraduate Student Research Awards by fiscal year

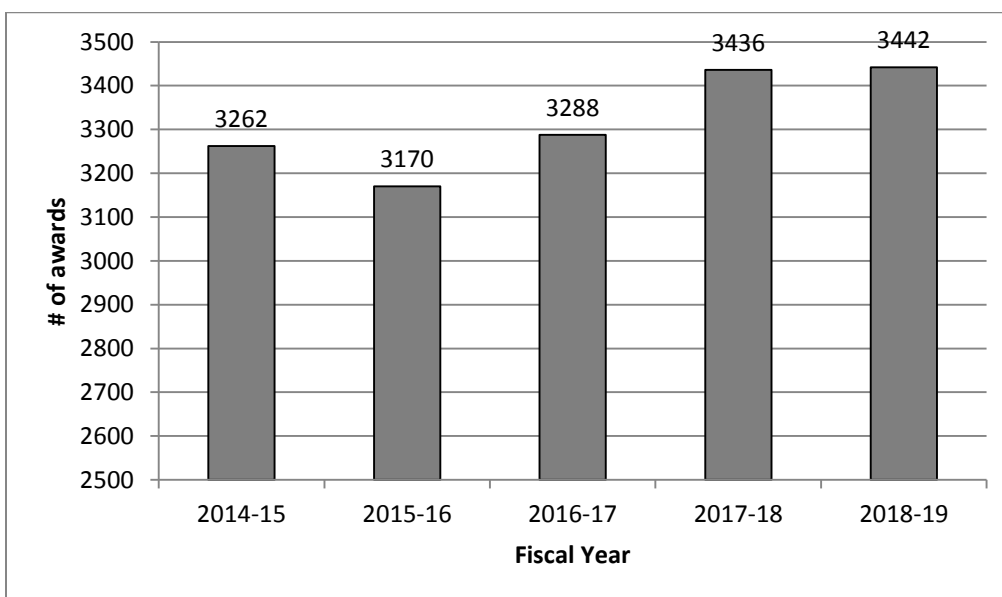




Table 4 – Undergraduate Student Research Award proportion of awards by gender and by research area⁹ for fiscal year 2018–19

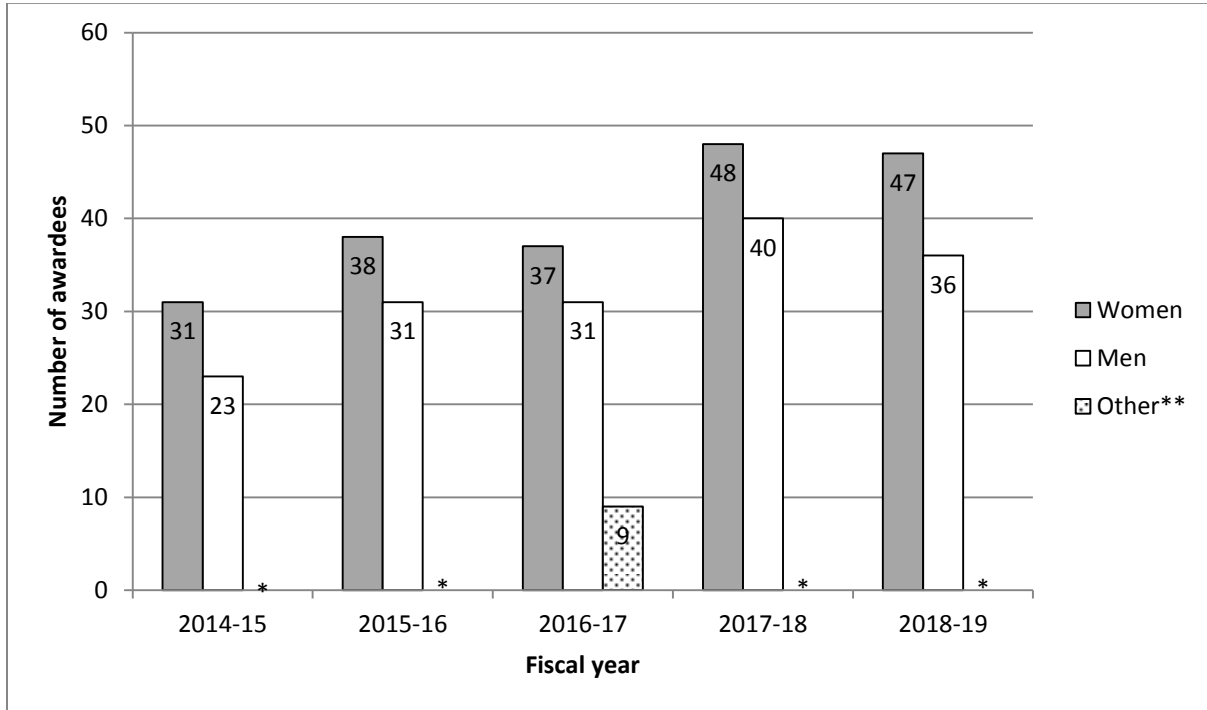
USRA Research area	Awards					
	Woman		Man		Other*	
	(%)	No.	(%)	No.	(%)	No.
Earth Sciences	45%	83	35%	64	20%	37
Evolution and Ecology	56%	167	30%	89	14%	41
Mathematical Sciences	20%	50	58%	148	22%	56
Physics and Astronomy	21%	64	64%	198	15%	47
Chemistry	37%	93	46%	117	17%	42
Cellular and Molecular Biology	50%	262	35%	183	14%	75
Chemical, Biomedical and Materials Science Engineering	33%	97	51%	152	16%	49
Plant and Animal Biology	48%	164	34%	116	18%	60
Psychology	63%	163	23%	59	14%	36
Electrical Engineering	16%	21	68%	88	16%	20
Computing Sciences	18%	43	60%	143	22%	52
Civil and Industrial Engineering	35%	68	46%	91	19%	38
Mechanical Engineering	14%	23	69%	114	18%	29

* “Other” is an aggregation of the responses “Gender-fluid, non-binary and/or two-spirit” and “I prefer not to answer.”

⁹ Mapped to scholarships and fellowships selection committees



Figure 10 – Number of Undergraduate Student Research Award recipients who self-identified as Indigenous by gender and fiscal year



* Amounts removed based on Privacy Act

** "Other" is an aggregation of the responses "Gender-fluid, non-binary and/or two-spirit" and "I prefer not to answer."