

Career Outcomes Dashboards

Committee on Academic Policy & Programs

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Background of Career Outcomes Project

Purpose

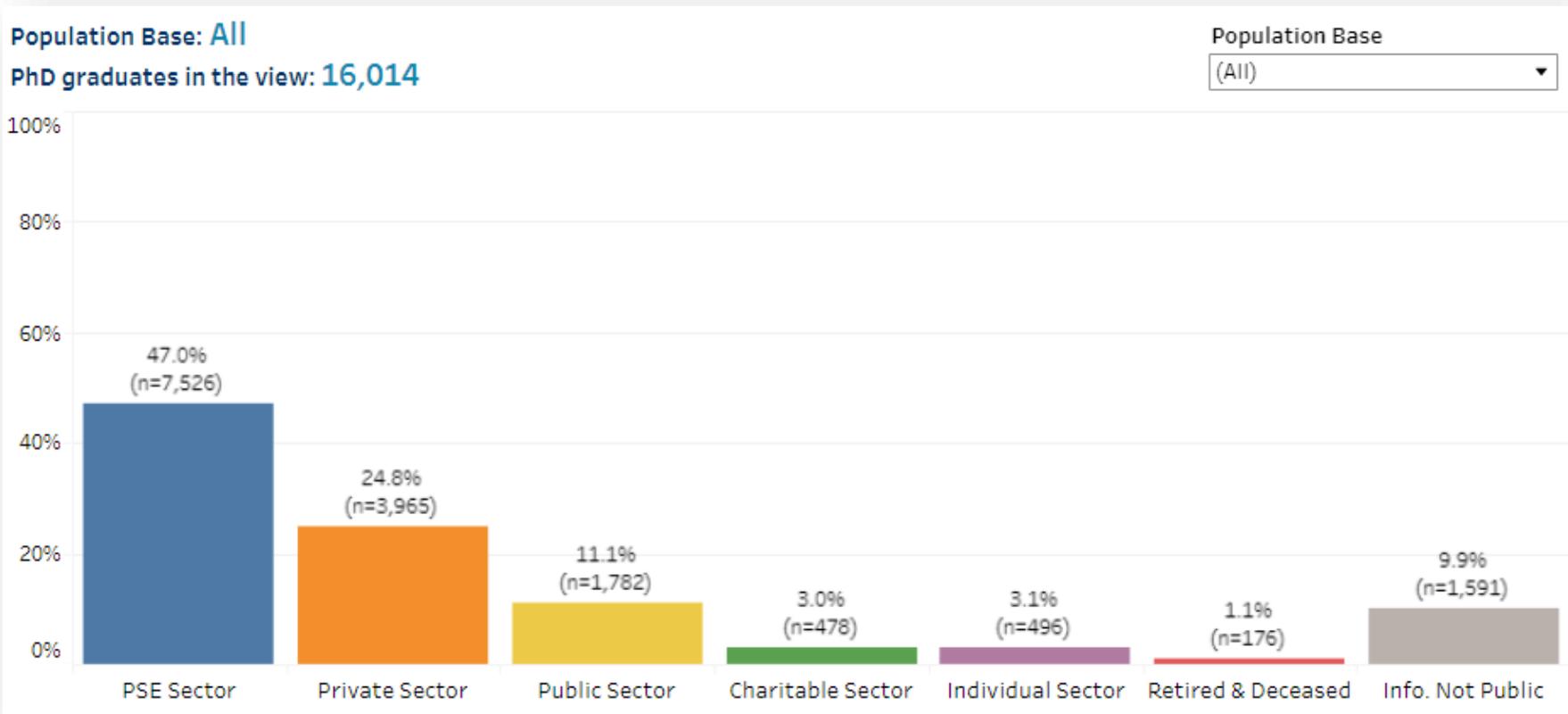
- The purpose of the Career Outcomes Project is to provide a snapshot of employment outcomes (as of 2022) for PhD graduates of U of T between 2000-2021 and Postdoctoral Fellows who worked at U of T between 2008-2021
- With these data, SGS aims to:
 - Provide current/prospective graduate students and postdoctoral fellows with important insights on the current job market to demonstrate career possibilities and assist in structuring their graduate or postdoctoral experience
 - **Provide graduate leaders with departmental/divisional-level data to assist them in planning and decision-making related to curricula, supervision supports and professionalization offerings**
 - Increase transparency and “truth-in-advertising” about career outcomes post-graduation

Sample of Key Findings from 2022 Career Outcomes

Finding 1: The post-secondary sector was the top sector of employment across all PhD graduates

For all PhD graduates between 2000 and 2021 (N=16,014):

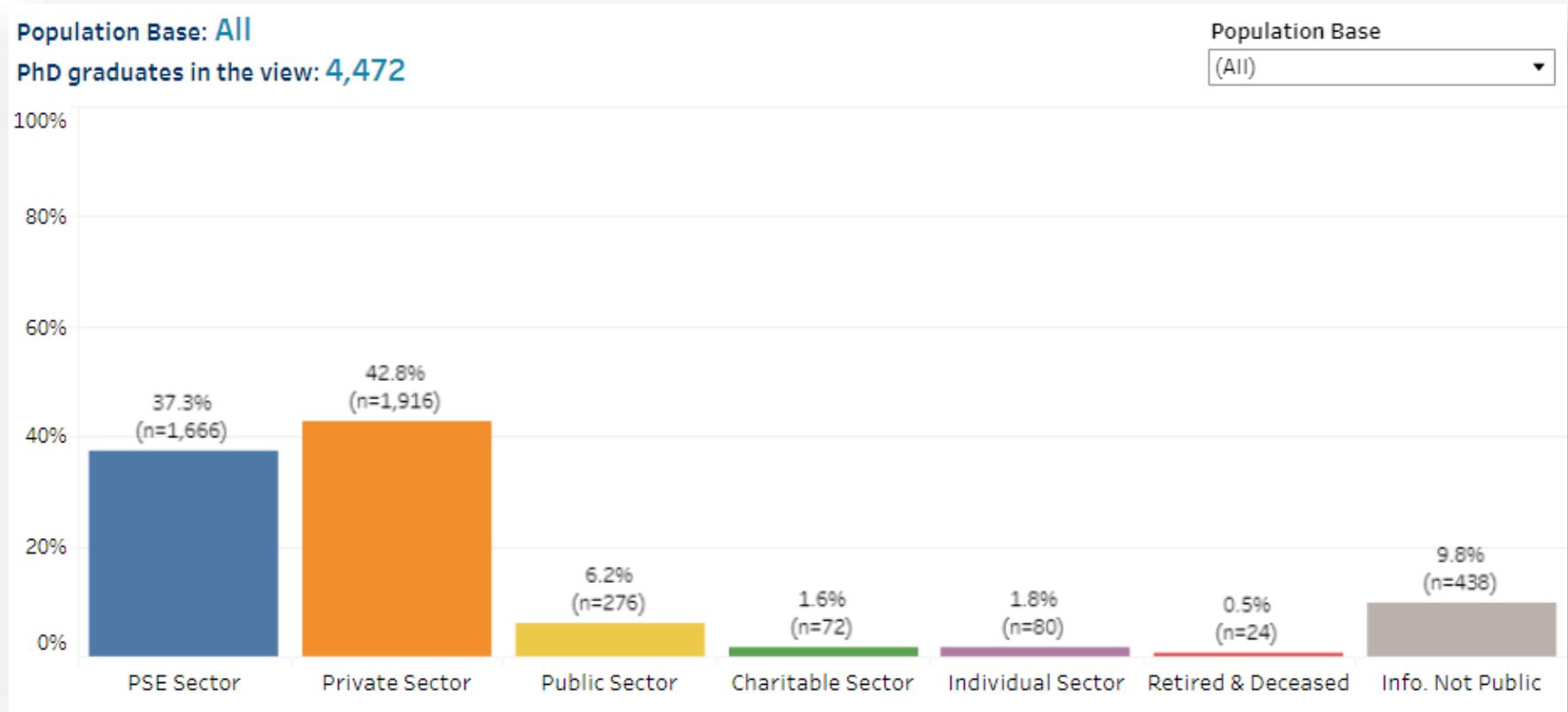
- 47.0% were working in the post-secondary education
- 24.8% were working in the private sector
- 11.1% were working in the public sector



Finding 2: The top employment sector across all PhD graduates from the Physical Sciences was the private sector

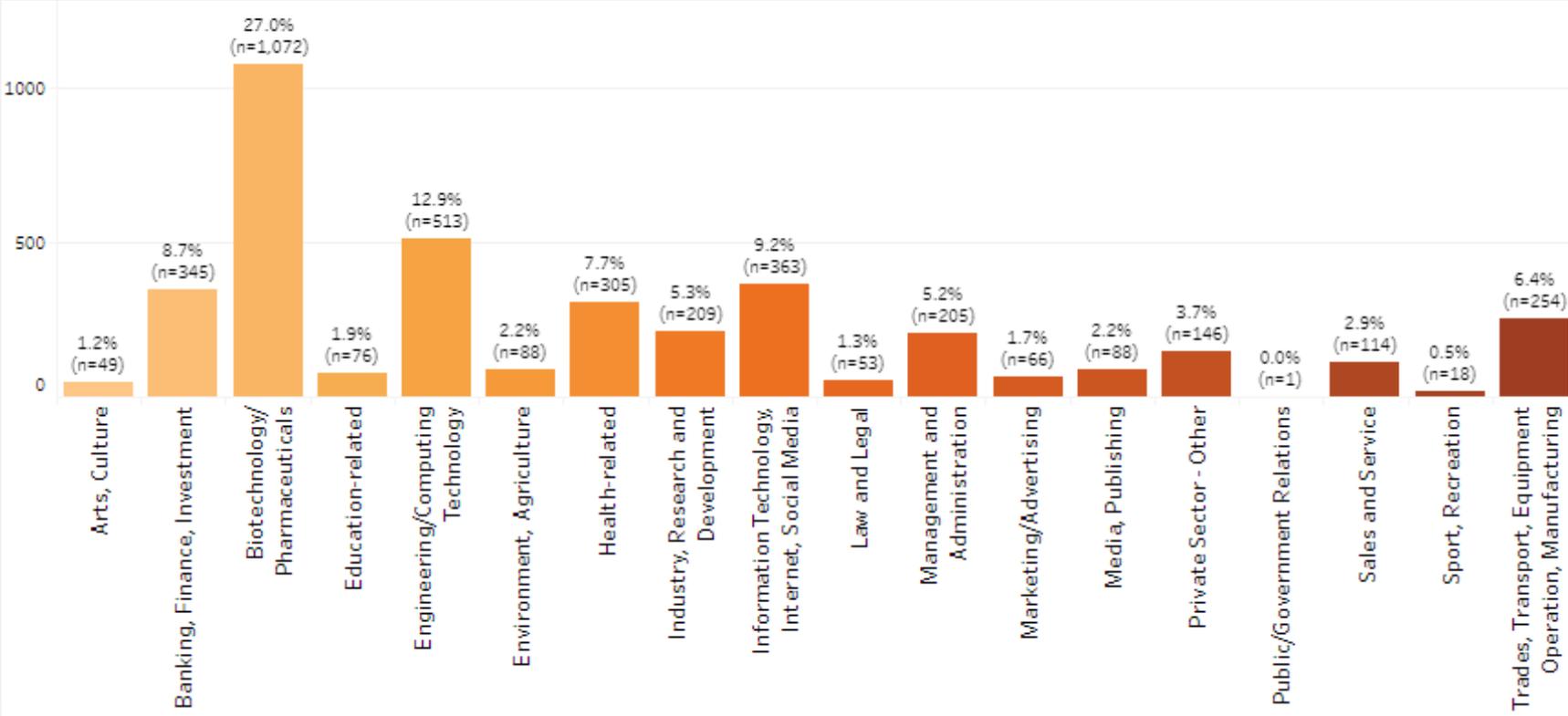
For all PhD graduates from the Physical Sciences between 2000 and 2021 (N=4,472):

- 42.8% were working in the private sector
- 37.3% were working in the post-secondary education sector



Private Sector Employment Breakdown (N=3,965)

PhD Graduates found working in Private Sector in 2022: **3,965**

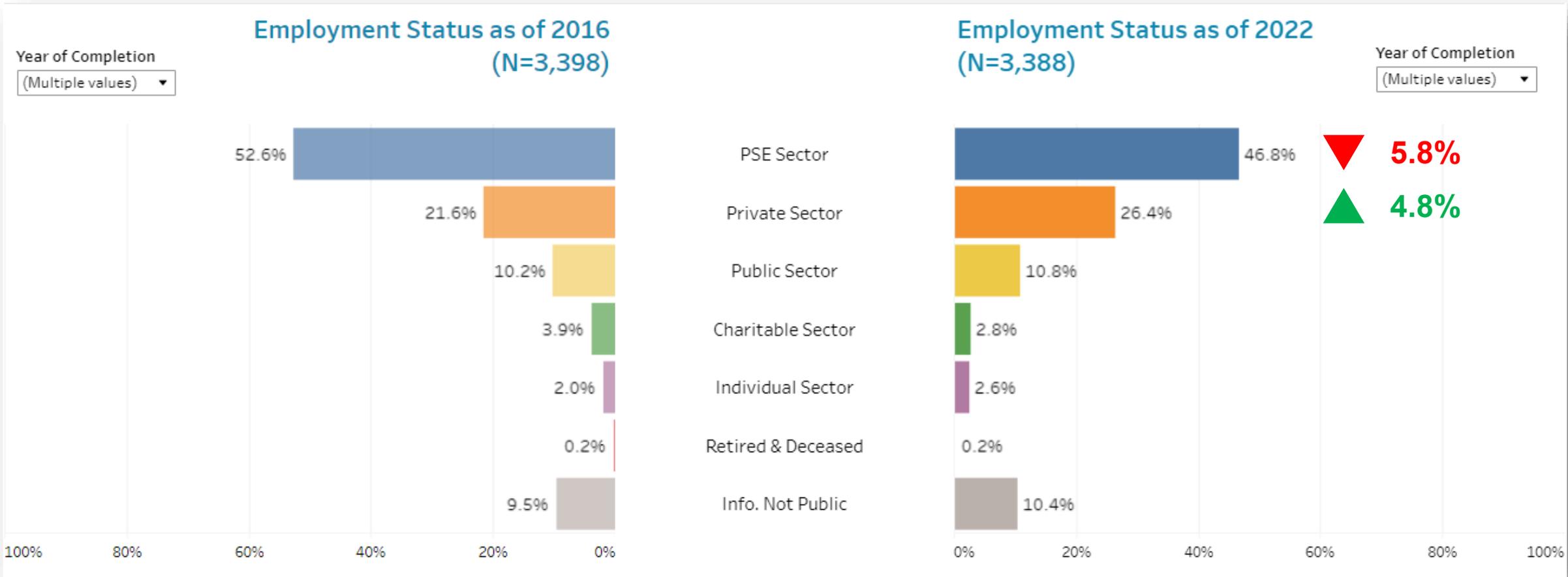


Employer List - Private Sector

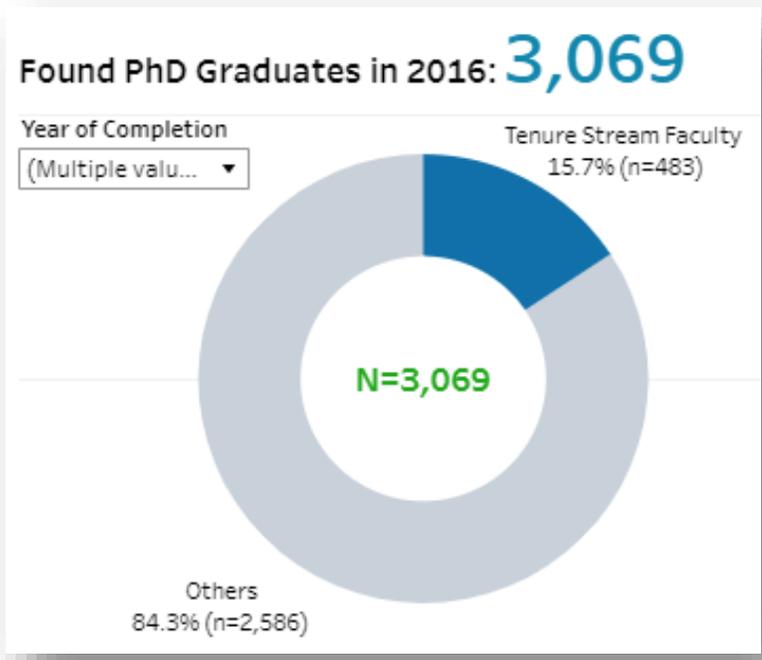
**Data is suppressed when N<5*

| | |
|----------------------------|----|
| Google | 65 |
| Private Practice | 41 |
| Intel | 40 |
| Royal Bank of Canada (RBC) | 39 |
| Amazon | 35 |
| Meta | 35 |
| Janssen | 33 |
| Sanofi | 33 |
| Scotiabank | 28 |
| Roche | 26 |
| Apple | 25 |
| TD Canada Trust | 23 |
| AbbVie Inc. | 22 |
| AstraZeneca | 22 |
| Huawei | 22 |
| Klick Inc. | 22 |
| Microsoft | 21 |
| BMO | 20 |

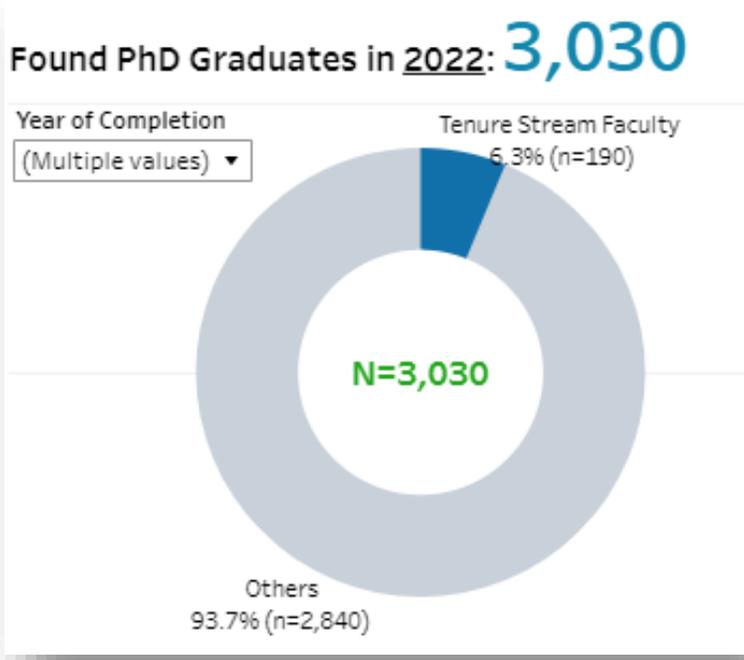
Finding 3: The career outcomes landscape for new PhD graduates (within 4 years of graduation) has changed from 2016 to 2022



Finding 4: It is more difficult for new PhD graduates (within 4 years of graduation) to land a tenure stream faculty position upon graduation

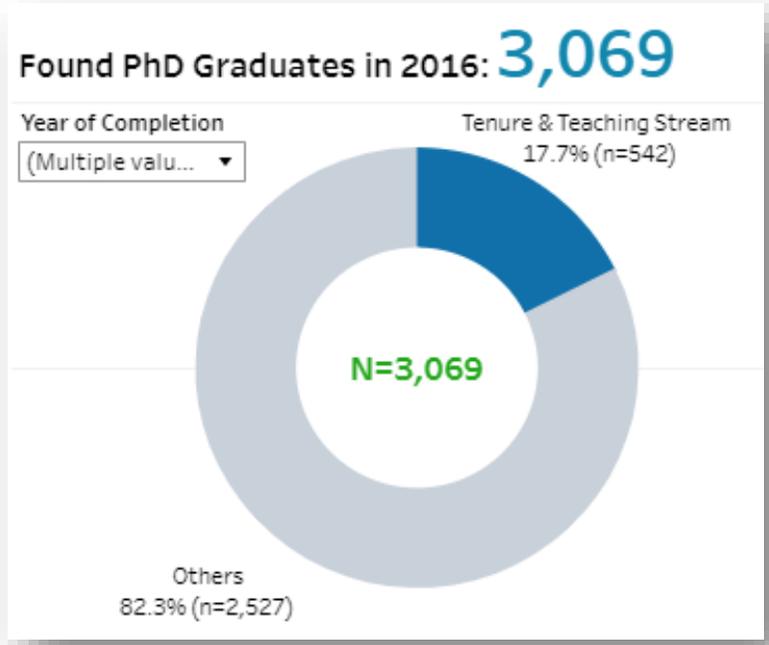


In 2016, **15.7%** of new PhD graduates (*graduated between 2012 and 2015*) whose employment status was found were in tenure stream faculty positions.

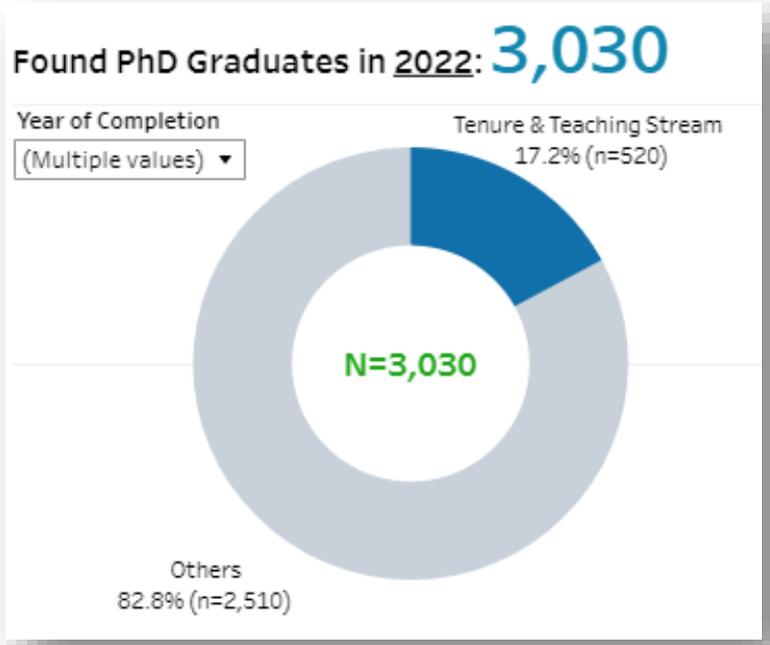


In 2022, **6.3%** of new PhD graduates (*graduated between 2018 and 2021*) whose employment status was found were in tenure stream faculty positions.

Finding 5: When combining tenure stream and teaching stream faculty positions, there is no change for new PhD graduates



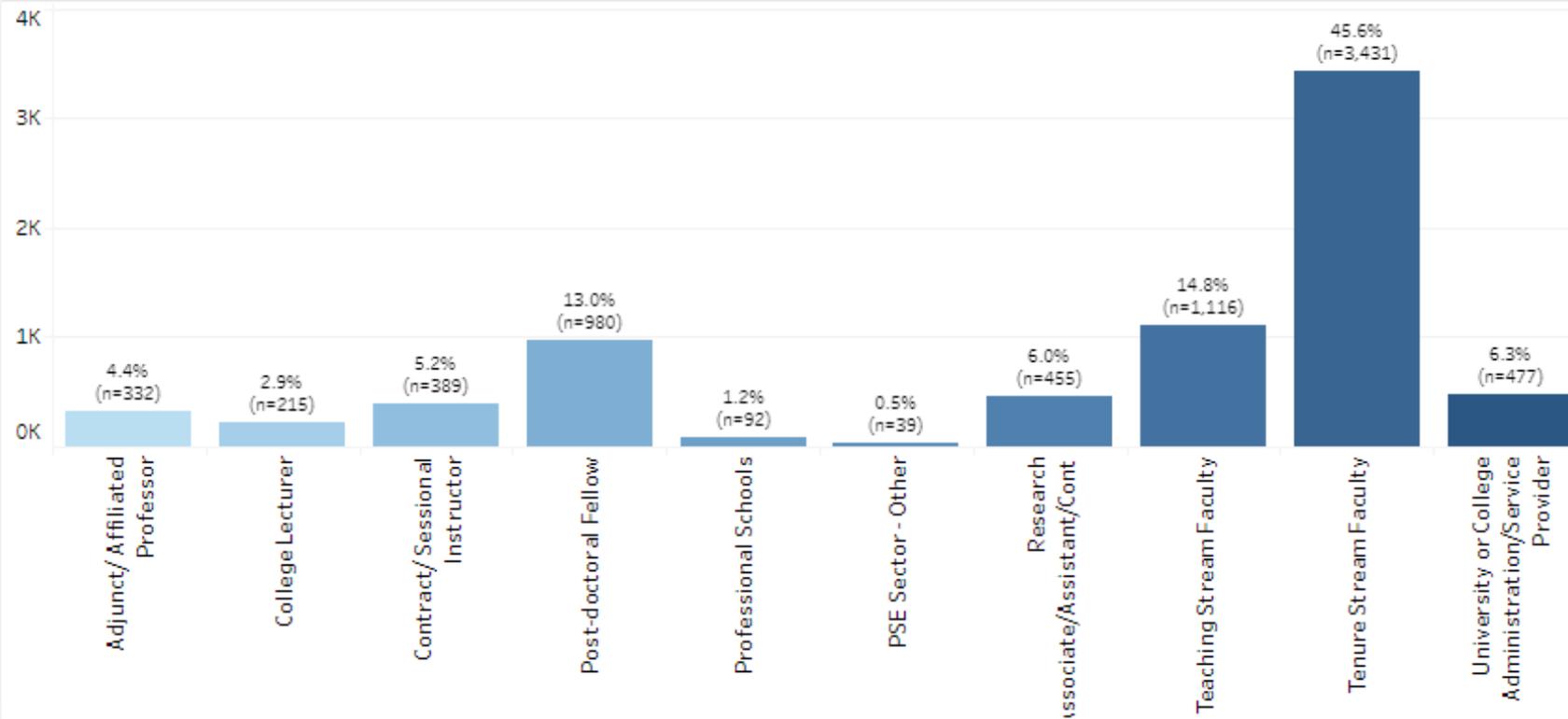
In 2016, **17.7%** of new PhD graduates (*graduated between 2012 and 2015*) whose employment status was found were in tenure stream or teaching stream faculty positions.



In 2022, **17.2%** of new PhD graduates (*graduated between 2018 and 2021*) whose employment status was found were in tenure stream or teaching stream faculty positions.

Post-Secondary Sector Employment Breakdown (N=7,526)

PhD Graduates found working in PSE Sector in 2022: **7,526**



Employer List - PSE Sector

**Data is suppressed when N<5*

| | |
|---------------------------------|-------|
| University of Toronto | 1,391 |
| York University | 289 |
| Toronto Metropolitan University | 217 |
| McMaster University | 143 |
| University of Western Ontario | 141 |
| University of British Columbia | 132 |
| University of Waterloo | 96 |
| University of Ottawa | 92 |
| Queen's University | 91 |
| McGill University | 90 |
| University of Alberta | 83 |
| University of Calgary | 83 |
| Carleton University | 82 |
| Brock University | 69 |
| University of Manitoba | 68 |
| Dalhousie University | 67 |
| University of Guelph | 66 |

Additional Findings

Part 1/2

- International PhD graduates had a higher percentage (56.6%) of landing employment in Post-secondary Education sector compared to domestic PhD graduates (45.6%) in 2022.
- For all found PhD graduates in 2016:
 - 89.2% of people landed employment in Private Sector stayed in the same sector in 2022
 - 85.7% of people landed employment in Post-secondary Sector stayed in the same sector in 2022
 - 71.6% of people landed employment in Public Sector stayed in the same sector in 2022

Additional Findings

Part 2/2

- 31% of all found PhD graduates in 2021 were employed as postdoctoral fellows in 2022
 - This percentage has remained consistent over time – it is almost the exact same proportion of 2015 found
- Data from 2022 suggests that 32% of all found PhD graduates between 2000 to 2021 were employed in tenure stream or teaching stream faculty roles
 - Of those graduates, 1 in 8 were employed at U of T

Connecting Career Outcomes Data to Program Design

Why are the Career Outcomes results important for program excellence?

- Helps programs understand the key sectors of employment, top employers, and geographic locations of their PhDs graduates and Postdoctoral Fellows
- Allows programs to assess their curricula vis-à-vis common career pathways of recent graduates to ensure students are well-prepared for their future careers
- Assists programs in matching professional development offerings to the specific professional skills needed in the workforce
- Provides valuable information for programs engaged in UTQAP reviews
- Demonstrates employers/sectors where connections could be optimized for work-integrated learning/co-ops
- Helps to build connections with alumni for mentorship opportunities
- Assist programs in locating their current position in the marketplace, recognize areas for improvement, and work towards diversifying career trajectories for graduates

For more information or data-related inquiries, please e-mail us:

sgs.data@utoronto.ca

Visit the dashboards:

<https://www.sgs.utoronto.ca/about/explore-our-data/career-outcomes/>