



UNIVERSITY OF SASKATCHEWAN

College of Medicine

OFFICE OF THE VICE-DEAN RESEARCH
MEDICINE.USASK.CA/RESEARCH.PHP

Research Productivity Report

2015-2020

Table of Contents

Table of Contents	1
Executive Summary	2
Methodology and Definitions	3
1. College of Medicine	5
2. Department of Medicine	7
3. Department of Academic Family Medicine	9
4. Department of Anesthesiology, Perioperative Medicine and Pain Management	11
5. Department of Pediatrics	13
6. Department of Surgery	15
7. Department of Biochemistry, Microbiology and Immunology	17
8. Division of Oncology	19
9. Department of Anatomy, Physiology and Pharmacology	21
10. Department of Community Health and Epidemiology	23
11. Department of Pathology and Laboratory Medicine	25
12. Department of Psychiatry	27
13. Department of Emergency Medicine	29
14. School of Rehabilitation Science	31
15. Department of Medical Imaging	33
16. Department of Obstetrics and Gynecology	35
17. Department of Physical Medicine and Rehabilitation	37
18. Department of Ophthalmology	39
Conclusion and Looking Forward	41

Executive Summary

From the Vice-Dean

This is the second report describing research output of the University of Saskatchewan College of Medicine. The 2014-2019 report was published last year. This current report includes the data analyzed from the 438 research-active faculty of our college. The data were captured, analyzed and presented by Ms. Shelley-May Neufeld, Research Impact Analyst in the Office of Vice Dean Research.

I would like to thank all faculty who contributed to this strong research output.

Background

This report focuses on research-active faculty in the CoM and provides bibliometrics and funding data arranged by College and then department/division/school. The data is presented in descending order by number of research-active faculty per department/division/school. All information is up to date as of May 1, 2020.

CoM Research Productivity

The number of new research projects and awarded funding dollars has remained consistent from 2017/2018 through the 2019/2020 fiscal years. CoM researchers received a total of \$29 million in research funding in 2019/2020 compared to \$30 and \$31 million in 2017/2018 and 2018/2019 respectively. The number of new awards, 344 in 2019/2020, is similar to awarded numbers in 2017/18 (367) and 2018/2019 (343). The number of individual faculty receiving awards was maintained from last fiscal year (157 individual faculty in 2018/2019 versus 159 in 2019/2020).

CoM faculty published 1159 scholarly articles 2019, an increase from 1007 at the beginning of the 5-year publication record (2015). In 2019, the average number of publications per researcher per year increased to 2.6 publications compared to 2.3 in 2015.

Gathered data indicate an increase in total faculty citations/year from 36,730 in 2015 to 48,668 in 2019. The average number of citations per researcher per year also rose, from 83.9 in 2015 to 111.1 in 2019.

Ending the 2019 calendar year, CoM researchers had an aggregate 5-year h-index of 4804, with a 5-year average h-index of 7.4 per faculty.



Methodology and Definitions

Research-Active Faculty

In February 2020, the OVDR requested that department heads identify any new or additional research-active faculty in their department/division/school, as well as identify any faculty who may have left.

Faculty are considered research active if they have received research funding, published a peer-reviewed publication or citation (accessible on a current, public [Google Scholar](#) profile) within the 5-year window of this report.

This report includes data from **438** identified research-active faculty from **17** departments, schools and divisions.

Awarded Research Funding, Research Projects Awarded and Number of Faculty Awarded

The *Research Funding* and *Research Projects Awarded* data presented in this report were collected from the University of Saskatchewan Data Warehouse and [UView](#) Portal. Data are restricted to funding administered through the University of Saskatchewan and include fiscal years 2016/2017, 2017/2018, 2018/2019 and 2019/2020. University of Saskatchewan fiscal years run from May 1 to April 30.

Research Funding and *Research Projects Awarded* include awards, sub-transfers, travel awards, and awards from other institutions where CoM faculty are a Co-Investigator. *Number of Projects*

Awarded is the total number of new research projects awarded for a fiscal year, whereas *Number of Faculty Awarded* is the total number of unique faculty members that received research awards.

Research Impact

Measuring research impact can be difficult because not all impacts are direct, and the time between the execution of research projects and the benefits of the research findings can be significant, unpredictable, and differ for different types of research.

For the purposes of this report, when the term *impact* is used, it is in reference to how health research at the CoM reaches and influences the wider academic community by articulating and distributing the research findings of faculty via publications, citations, h-indices (bibliometrics) and research projects that have received funding from internal and/or external sources. This report uses bibliometrics and research income and awards to determine impact.

Bibliometrics: Publications, Citations and H-index

[Bibliometrics](#) are research productivity indicators based on scientific publications, used to highlight research productivity and impact.

The OVDR recognizes that the bibliometrics used in our analysis do not encompass all research output and do not include such important contributions as community engagement, changes to policy or clinical practice guidelines.

Publications, Citations and H-index findings presented throughout this report are derived from Google Scholar profiles of CoM research-active faculty. The report focuses on 5-year publication, citation and h-index data, quantified on an annual basis by calendar year: January 1 to December 31.

Publications

The act of submitting research findings to scholarly journals and then having them published is a tangible research productivity output as publications per year are easily measurable. This report refers to [scholarly journal articles](#) vetted by a group of experts, academics (peers) or other scholars as *publications*. All publications information has been sourced from the Google Scholar profiles of research-active faculty in the CoM.

Citations

Measuring the number of [citations](#) a publication receives is a means to track and quantify the influence a publication has in its relevant academic field. The term *citation* applies to scientific articles that have been peer-reviewed and published in scholarly journals and then cited in the work of other researchers.

H-index

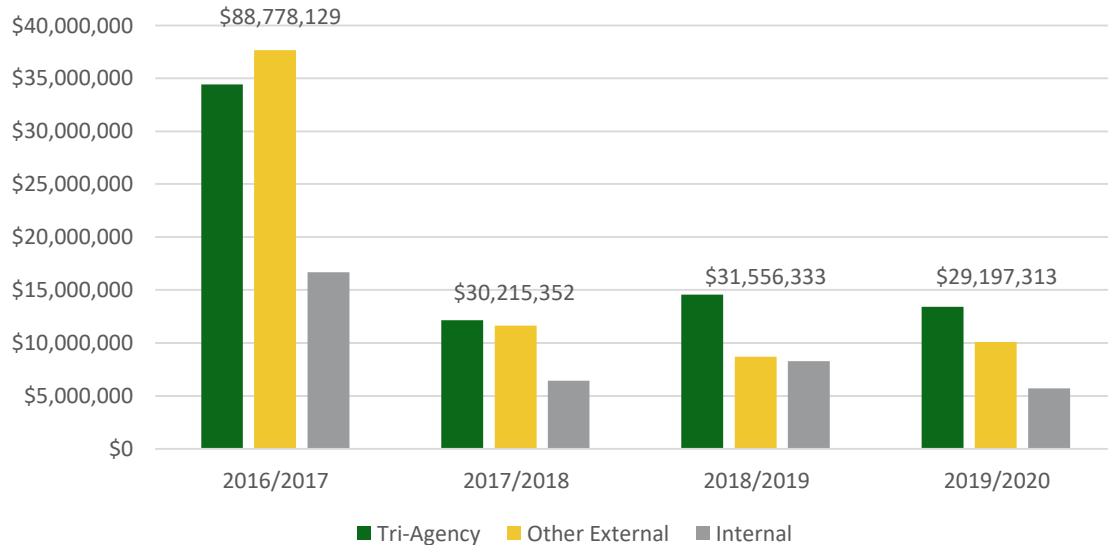
The [Hirsh index \(h-index\)](#) is an author-level metric that measures the impact of a researcher, rather than the scientific journal in which they are publishing. Both the productivity and citation impact of the publications of a particular scholar are taken into account to reach the h-index, and it is based on the set of the scientist's most cited published articles in congruency with the number of citations received by that researcher on other publications. For more information about h-index, please access the [University Library Research Guides](#).

1. College of Medicine

1.1 Research Funding

In the 2019/2020 fiscal year, researchers in the College of Medicine (CoM) received awards totaling **\$29,197,313.18**. Included in this total are **\$13,407,432** in Tri-Agency funding, **\$10,086,557** in other external funding and **\$5,703,324** in internal funding.

Figure 1.1: College of Medicine Awarded Research Funding

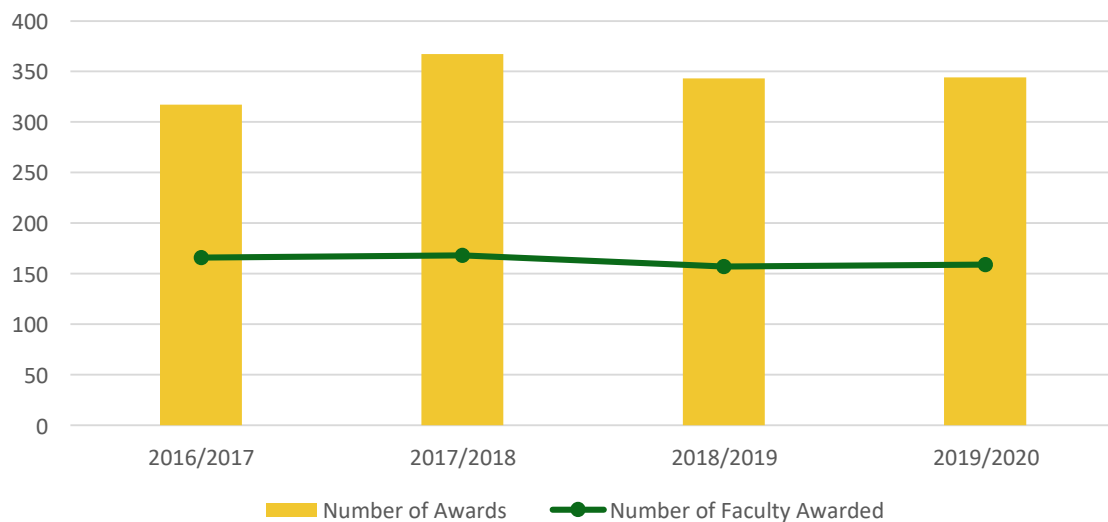


The significant increase in funding in 2016/2017 is a result of two significant awards:

- 1) Dr. Nazeem Muhajarine was the recipient of a \$16.6M grant from Global Affairs Canada to support research focused on decreasing maternal and newborn deaths in childbirth and improving access to health care for Mozambican women.
- 2) The CoM received \$29M in Saskatchewan Centre for Patient-Oriented Research (SCPOR) funding, a joint initiative from the Federal and Provincial Ministries of Health.

1.2 Research Projects Awarded

Figure 1.2: College of Medicine Research Projects Awarded

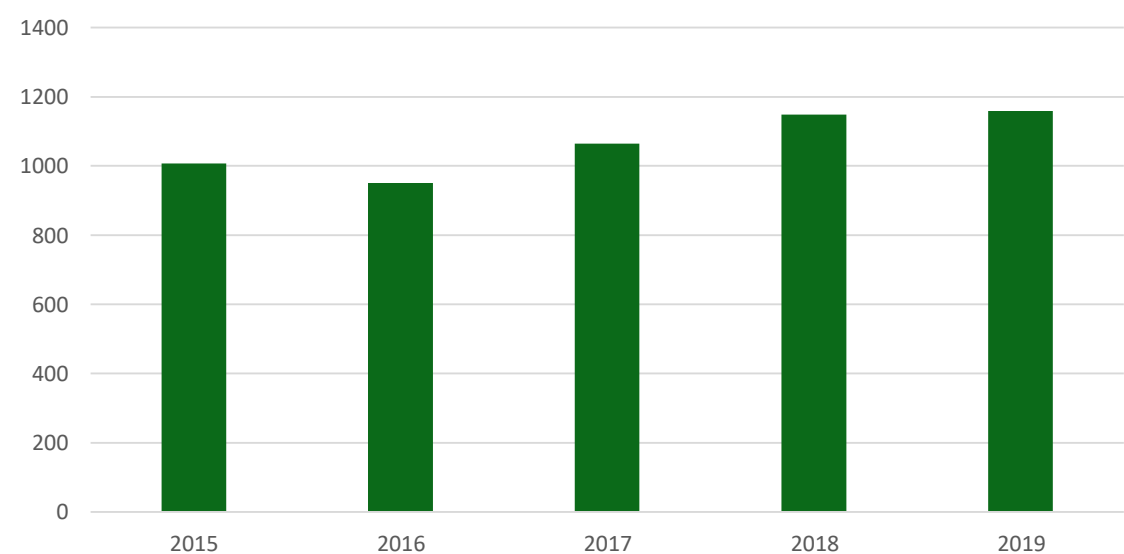


Over the past four fiscal years College of Medicine researchers have maintained a relatively consistent number of awards. In the 2019/2020 fiscal year **158** unique CoM researchers received **344** awards.

1.3 Publications, Citations & H-index

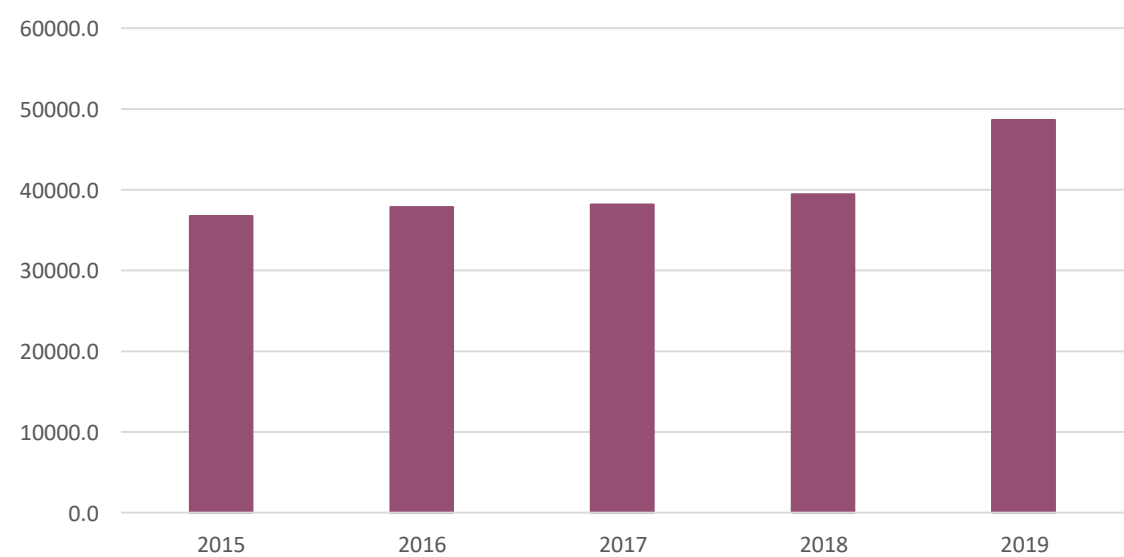
The College of Medicine produced **1159** publications in 2019. This is 10 more than in 2018, and 152 more than 2015. The CoM averaged **2.65** publications per research-active faculty in 2019 compared with 2.3 in 2015.

Figure 1.3: College of Medicine Annual Publication Count



College of Medicine research works were cited **48,952** times in 2019. Figure 1.4 shows strong year-over-year ascending citation counts, however, the 2019 data exceeded the 2018 count by 9537 citations. The average citation count per research-active faculty in the College of Medicine is **111.80**.

Figure 1.4: College of Medicine Annual Citation Count



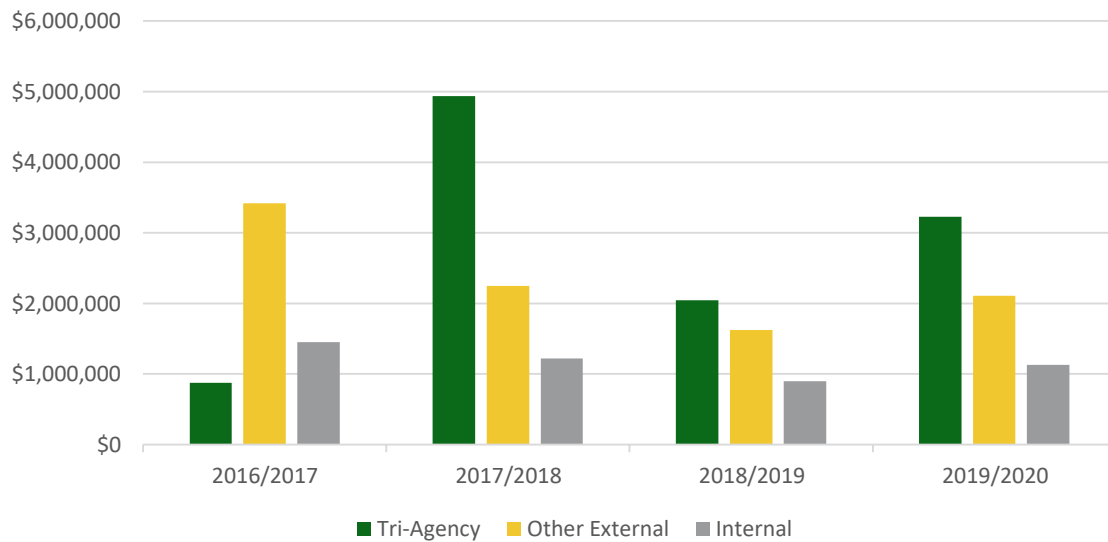
In 2019, the College of Medicine’s **438** research-active faculty achieved a combined 5-year total h-index of **4804**. The average 5-year total h-index per research-active faculty is **7.4**.

2. Department of Medicine

2.1 Research Funding

In the 2019/2020 fiscal year, Department of Medicine researchers were awarded a total of **\$6,457,276.32**, an increase from \$5,740,595.26 in 2016/2017.

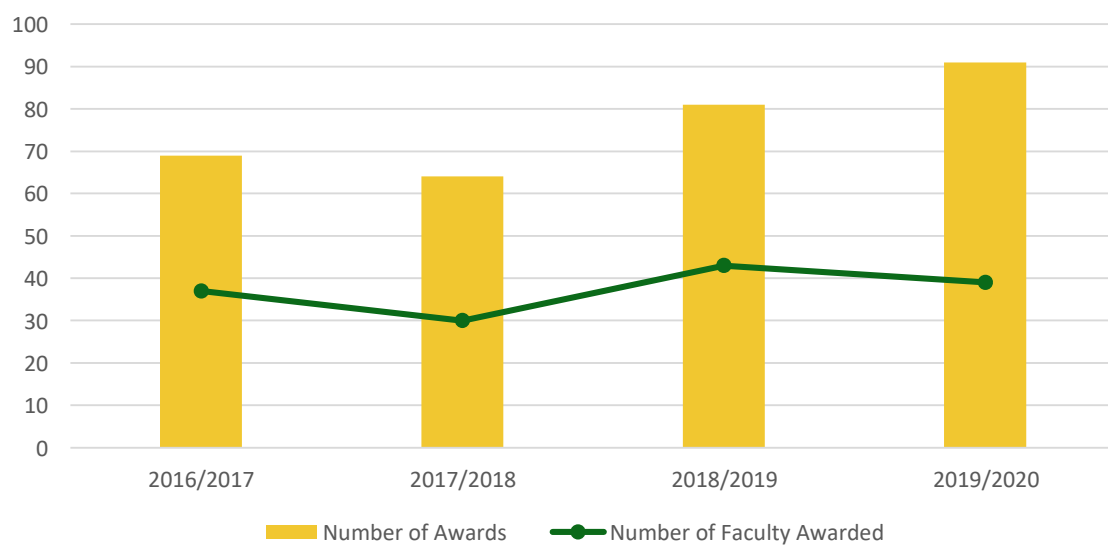
Figure 2.1: Department of Medicine Research Funding



2.2 Research Projects Awarded

Over the past four fiscal years Department of Medicine researchers increased the total number of awards received, from 69 in 2016/2017 to **91** in 2019/2020. The number of unique faculty award recipients rose from 37 in 2016/2017 to **39** in 2019/2020.

Figure 2.2: Department of Medicine Research Projects Awarded



2.3 Publications, Citations and H-index

The department produced **328** publications in 2019, with an average of **3.86** publications per research-active faculty.

Figure 2.3: Department of Medicine Annual Publication Count

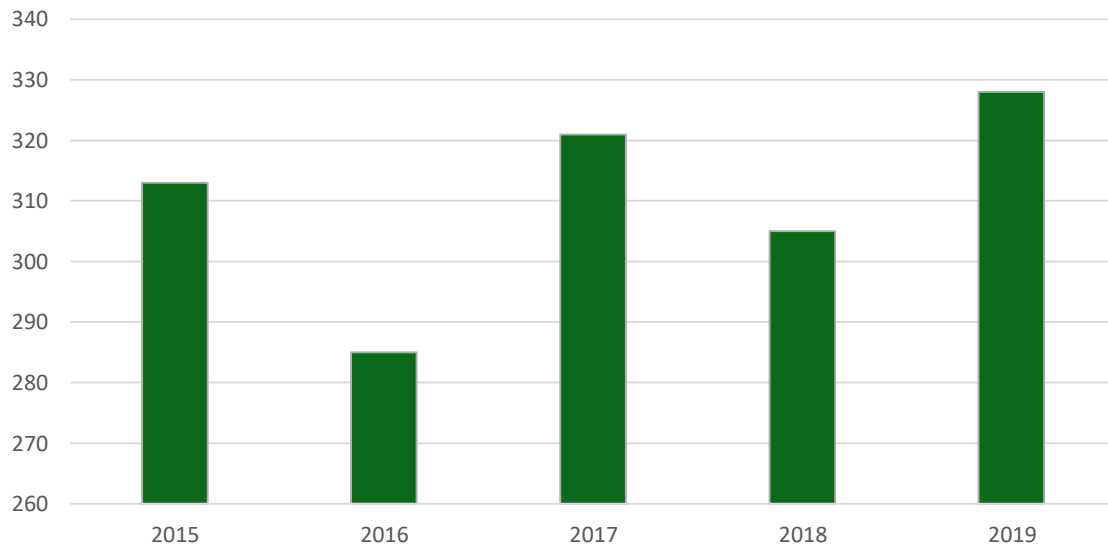
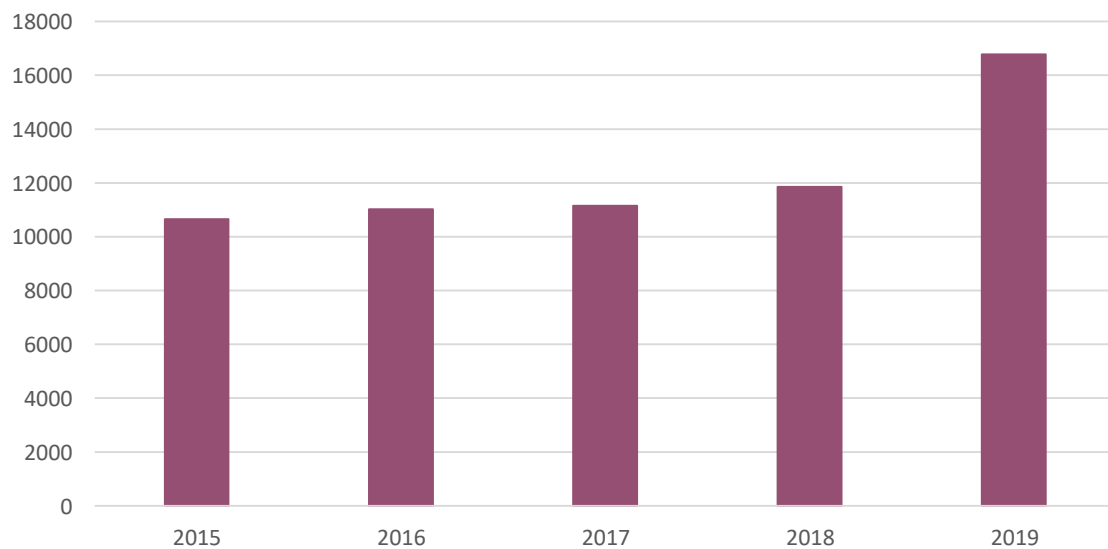


Figure 2.4 shows year-over-year ascending citation counts for Department of Medicine faculty. Researchers received **16,772** citations in 2019, and an average citation count per research-active faculty of **197.32**.

Figure 2.4: Department of Medicine Annual Citation Count



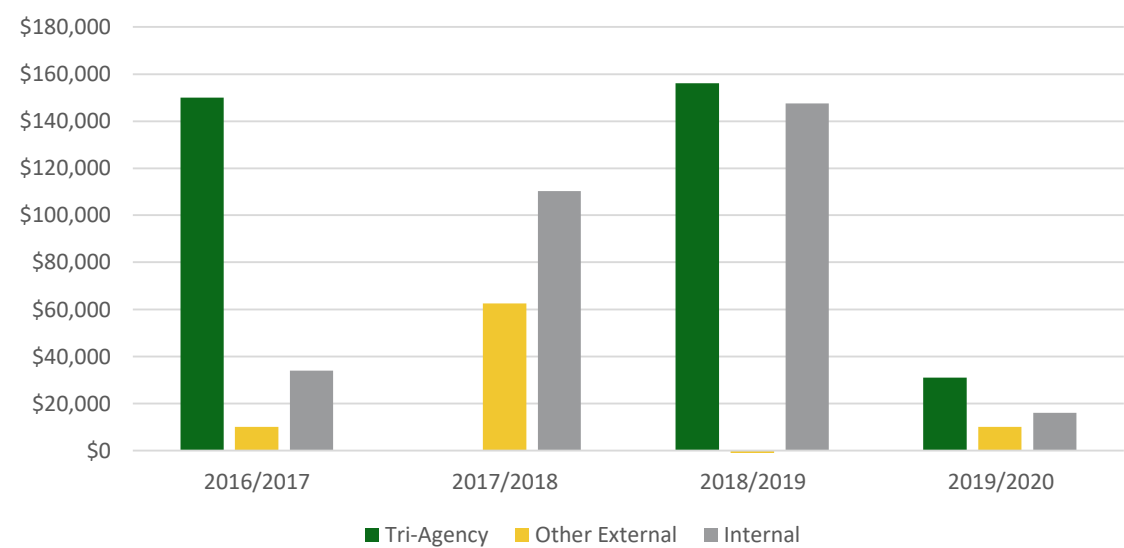
In 2019, the Department of Medicine's **85** research-active faculty achieved a combined 5-year total h-index of **716**. The average 5-year total h-index per research-active faculty is **8.4**.

3. Department of Academic Family Medicine

3.1 Research Funding

In the 2019/2020 fiscal year, Department of Academic Family Medicine researchers were awarded a total of \$56,975.00.

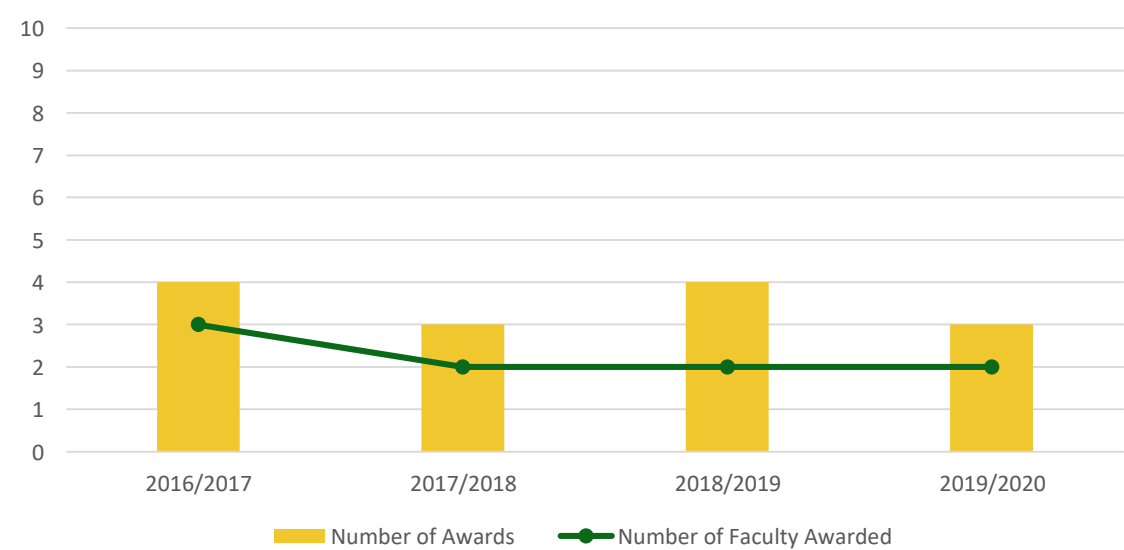
Figure 3.1: Department of Academic Family Medicine Research Funding



3.2 Research Projects Awarded

Over the past four fiscal years Department of Academic Family Medicine researchers have maintained both the number of awards received (3-4), and the number of unique faculty award recipients (2 unique award recipients in 2017/2018, 2018/2019, and 2019/2020).

Figure 3.2: Department of Academic Family Medicine Research Projects Awarded



3.3 Publications, Citations and H-index

The department produced **30** publications in 2019, with an average of **0.77** publications per research-active faculty.

Figure 3.3: Department of Academic Family Medicine Annual Publication Count

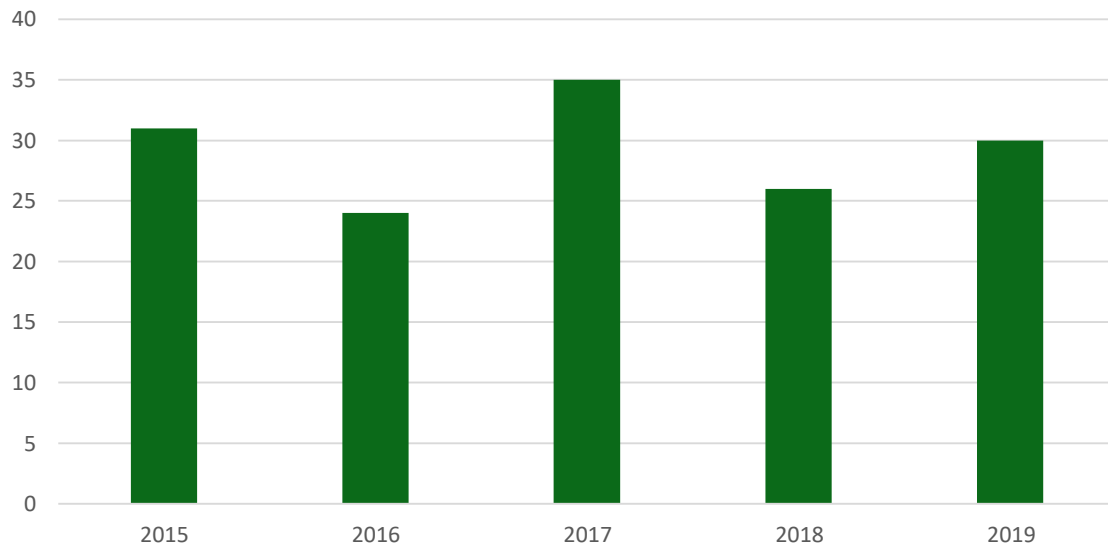
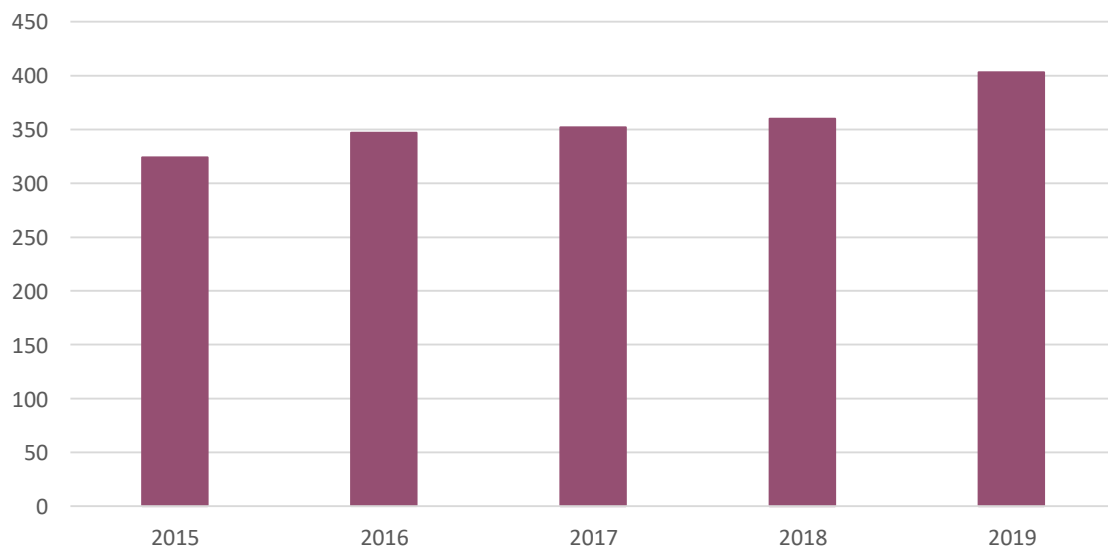


Figure 3.4 shows year-over-year ascending citations for Department of Academic Family Medicine faculty. Researchers received **403** citations in 2019, and an average citation count per research-active faculty of **10.33**.

3.4: Department of Academic Family Medicine Annual Citation Count



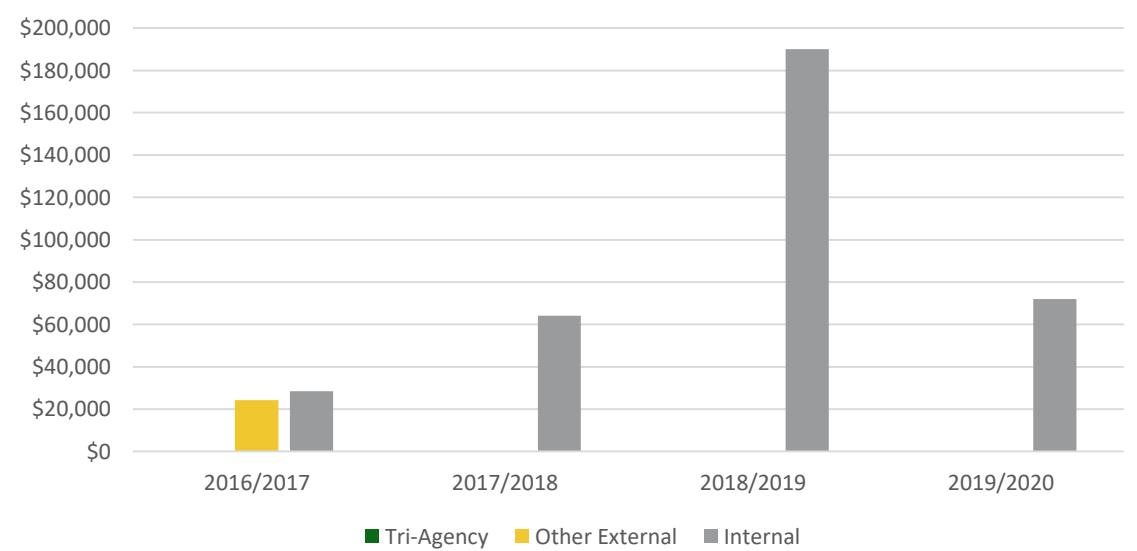
In 2019, Department of Academic Family Medicine's **39** research-active faculty achieved a combined 5-year total h-index of **102**. The average 5-year total h-index per research-active faculty is **2.6**.

4. Department of Anesthesiology, Perioperative Medicine and Pain Management

4.1 Research Funding

In the 2019/2020 fiscal year, Department of Anesthesiology, Perioperative Medicine and Pain Management researchers were awarded a total of **\$72,009.43**.

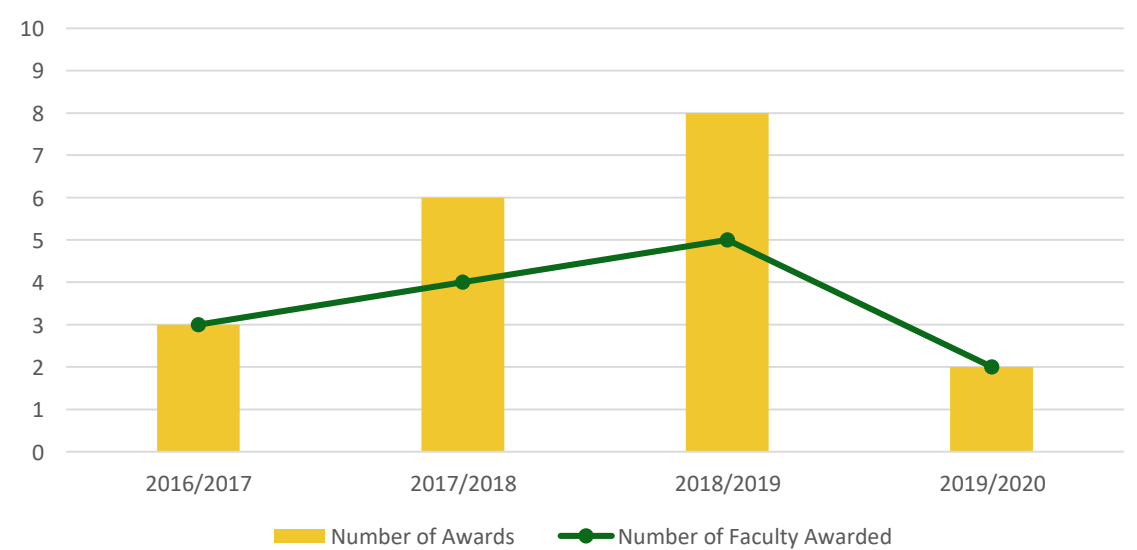
Figure 4.1: Department of Anesthesiology, Perioperative Medicine and Pain Management Research Funding



4.2 Research Projects Awarded

In 2019/2020 faculty received 2 awards, received by 2 unique award recipients.

Figure 4.2: Department of Anesthesiology, Perioperative Medicine and Pain Management Research Projects Awarded



4.3 Publications, Citations and H-index

The department produced **5** publications in 2019, with an average of **0.15** publications per research-active faculty.

Figure 4.3: Department of Anesthesiology, Perioperative Medicine and Pain Management Annual Publication Count

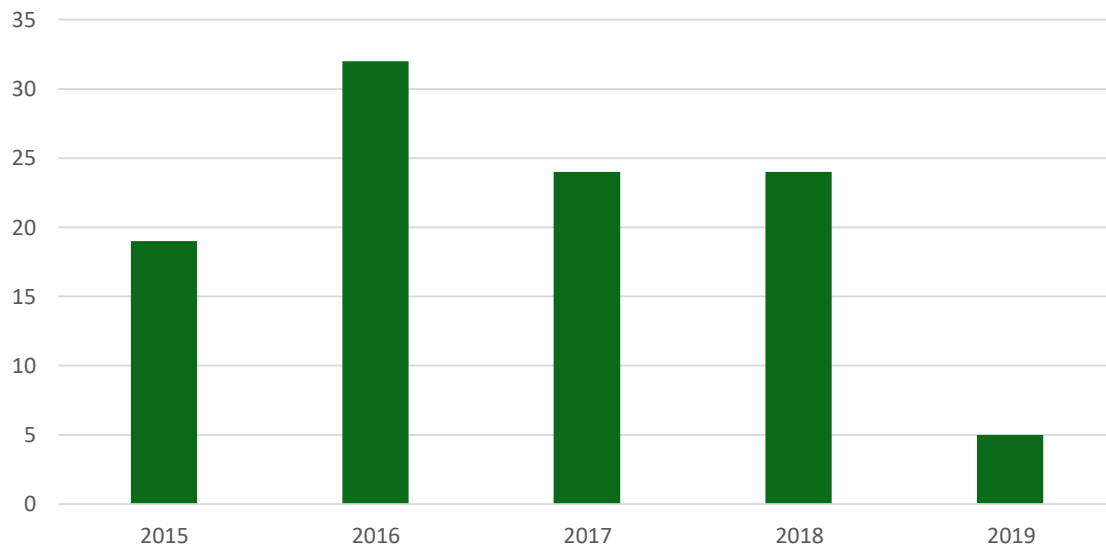
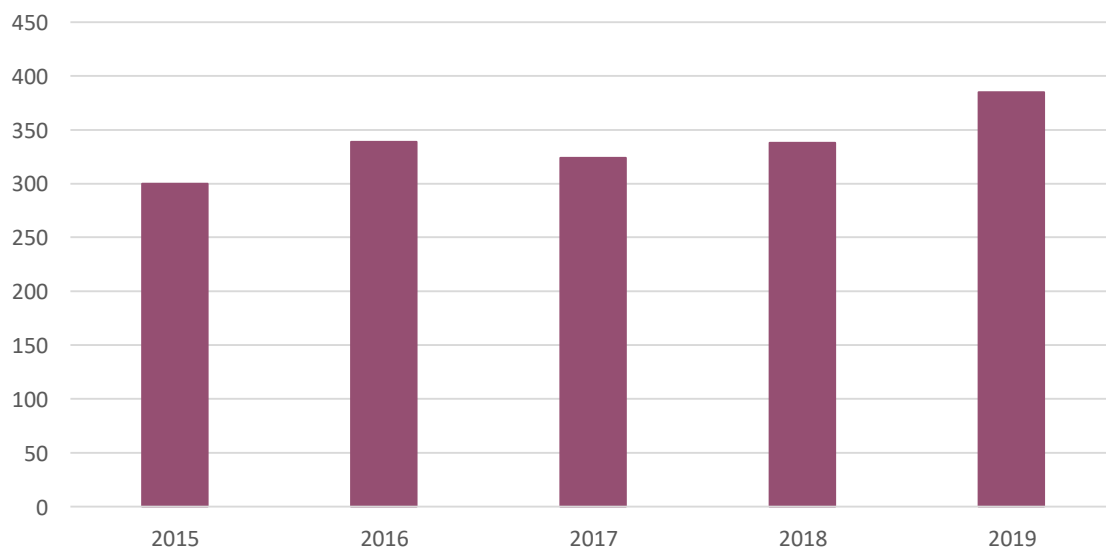


Figure 4.4 shows increasing citation counts for Anesthesiology, Perioperative Medicine and Pain Management faculty. Researchers received **385** citations in 2019, and an average citation count per research-active faculty of **11.3**.

Figure 4.4 Department of Anesthesiology, Perioperative Medicine and Pain Management Annual Citation Count



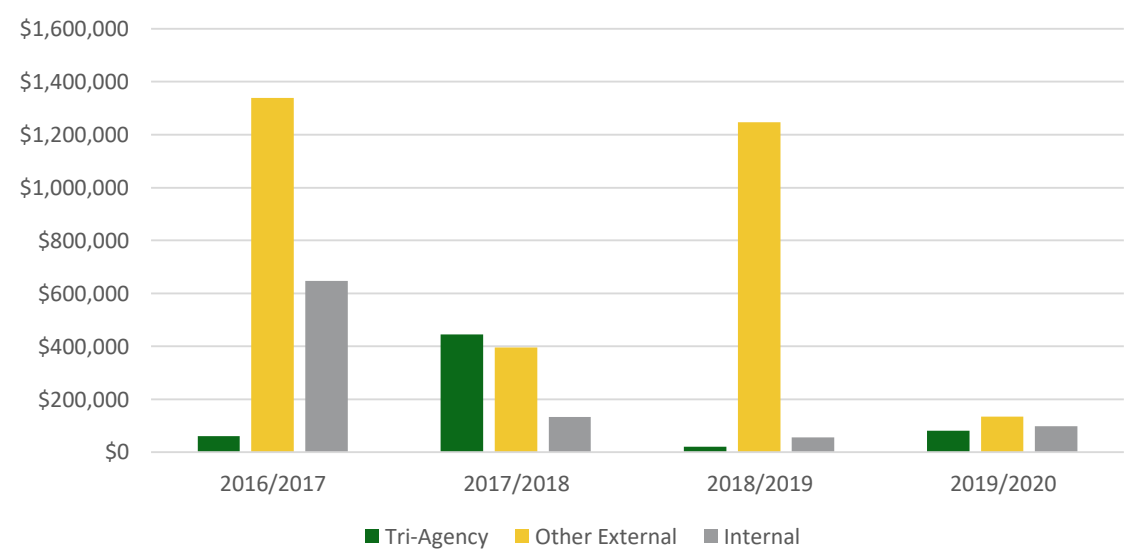
In 2019, the Department of Anesthesiology, Perioperative Medicine and Pain Management's **34** research-active faculty achieved a combined 5-year total h-index of **66**. The average 5-year total h-index per research-active faculty is **1.9**.

5. Department of Pediatrics

5.1 Research Funding

In the 2019/2020 fiscal year, Department of Pediatrics researchers were awarded a total of \$313,061.75.

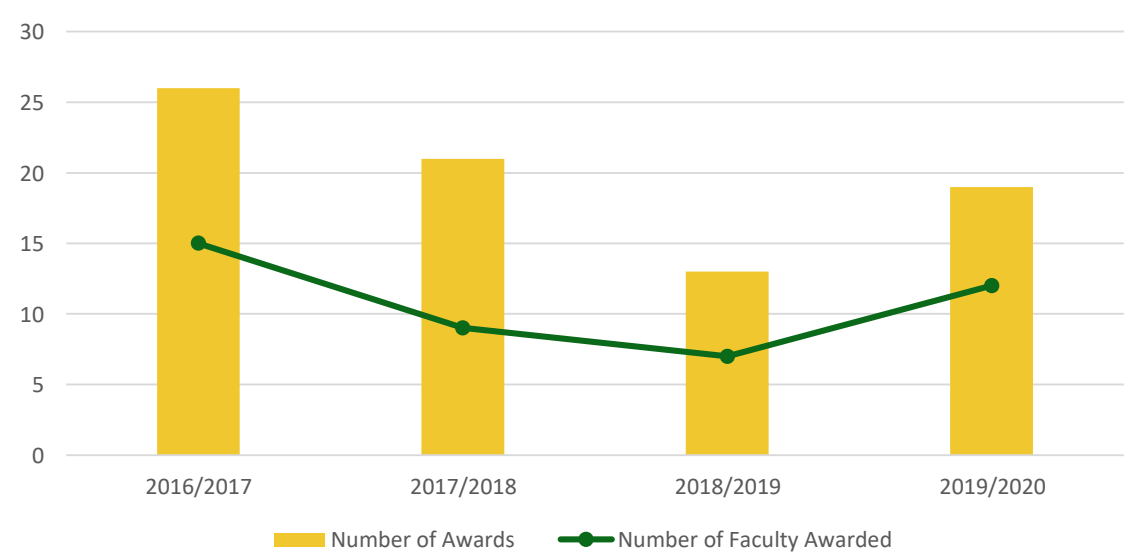
Figure 5.1: Department of Pediatrics Research Funding



5.2 Research Projects Awarded

In 2019/2020 faculty received 19 awards, received by 12 unique award recipients.

Figure 5.2: Department of Pediatrics Research Projects Awarded



5.3 Publications, Citations and H-index

The department produced **60** publications in 2019, with an average of **1.8** publications per research-active faculty.

Figure 5.3: Department of Pediatrics Annual Publication Count

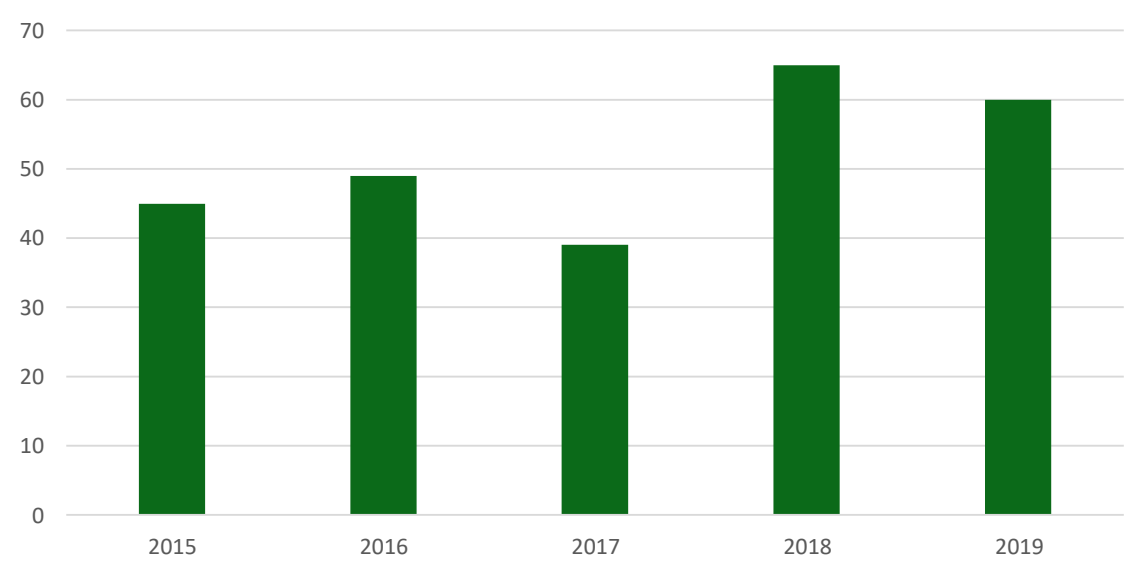
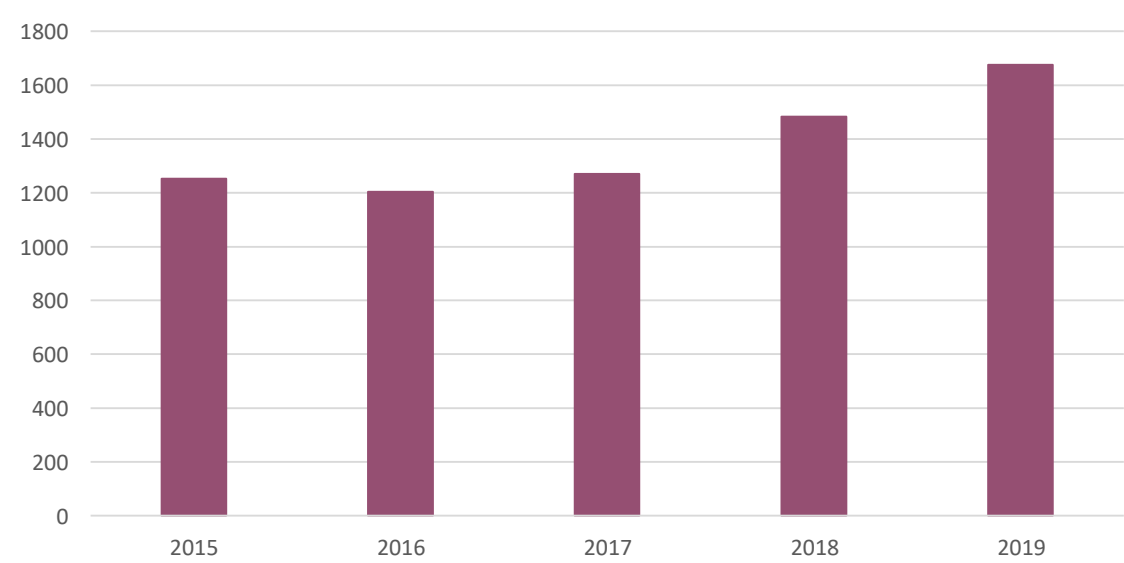


Figure 5.4 shows year-over-year ascending citation counts for Department of Pediatrics faculty. Researchers received **1,676** citations in 2019, and an average citation count per research-active faculty of **50.8**.

Figure 5.4: Department of Pediatrics Annual Citation Count



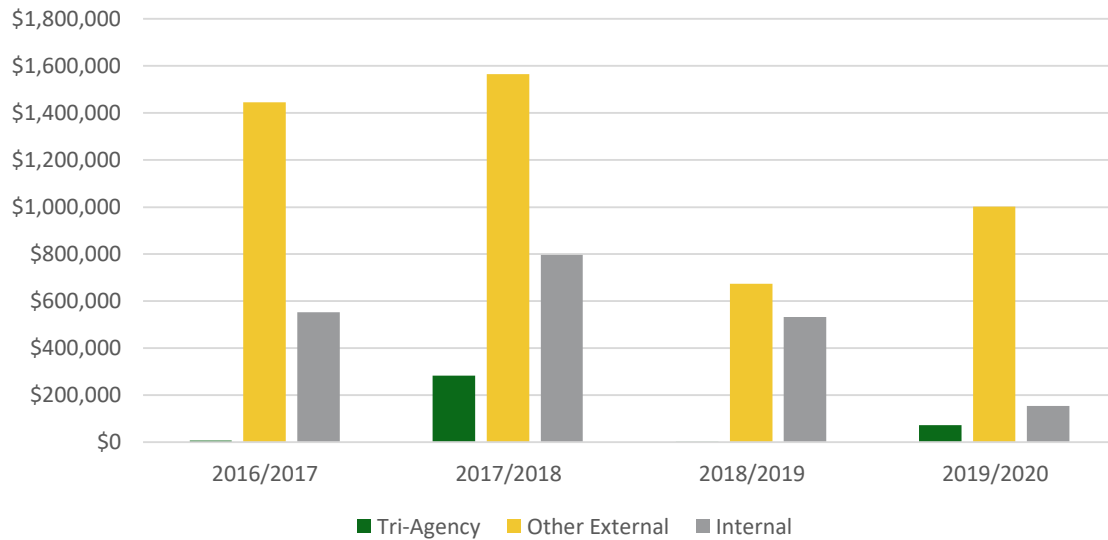
In 2019, the Department of Pediatrics’ **33** research-active faculty achieved a combined 5-year total h-index of **155**. The average 5-year total h-index per research-active faculty is **4.7**.

6. Department of Surgery

6.1 Research Funding

In the 2019/2020 fiscal year, Department of Surgery researchers were awarded a total of **\$1,229,693.19**.

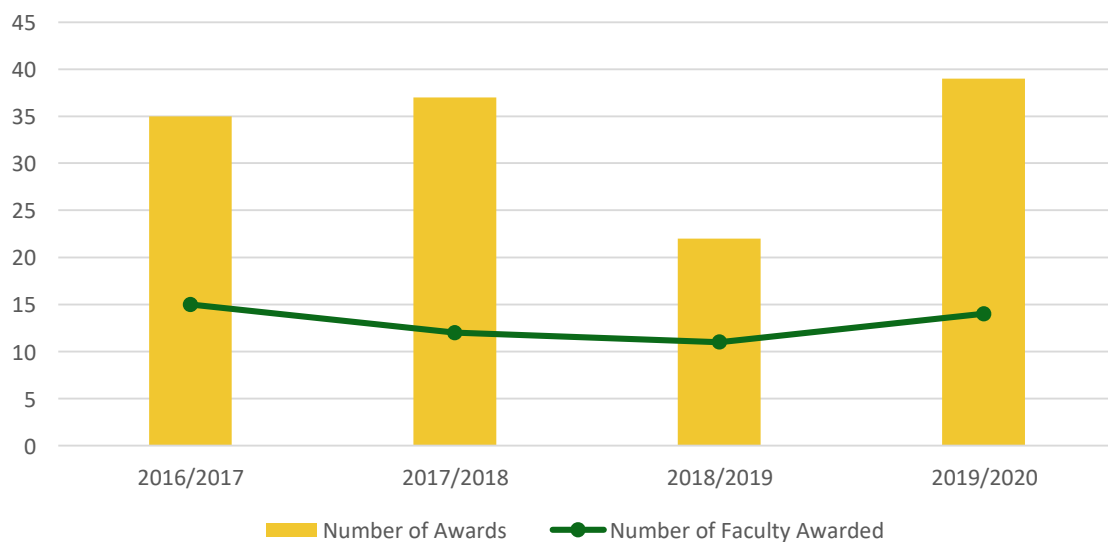
Figure 6.1: Department of Surgery Research Funding



6.2 Research Projects Awarded

Over the past four fiscal years Department of Surgery researchers have seen an increase in the total number of awards received, from 35 in 2016/2017 to **39** in 2019/2020. The number of unique faculty award recipients was maintained through this period, with 15 unique awardees in 2016/2017 and **14** in 2019/2020.

Figure 6.2: Department of Surgery Research Projects Awarded



6.3 Publications, Citations and H-index

The department produced **111** publications in 2019, with an average of **3.5** publications per research-active faculty.

Figure 6.3: Department of Surgery Annual Publication Count

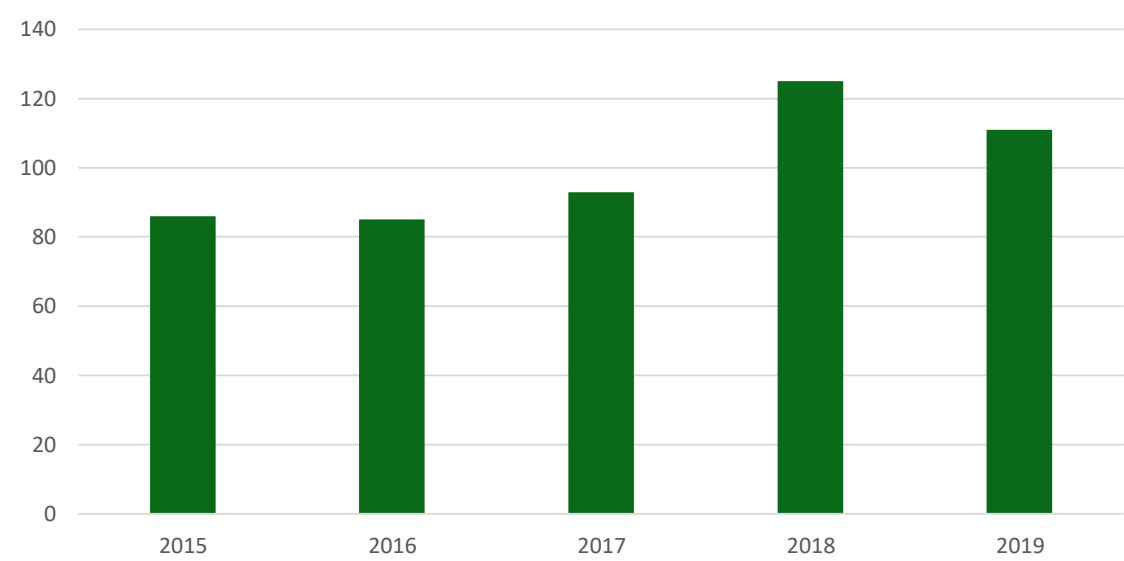
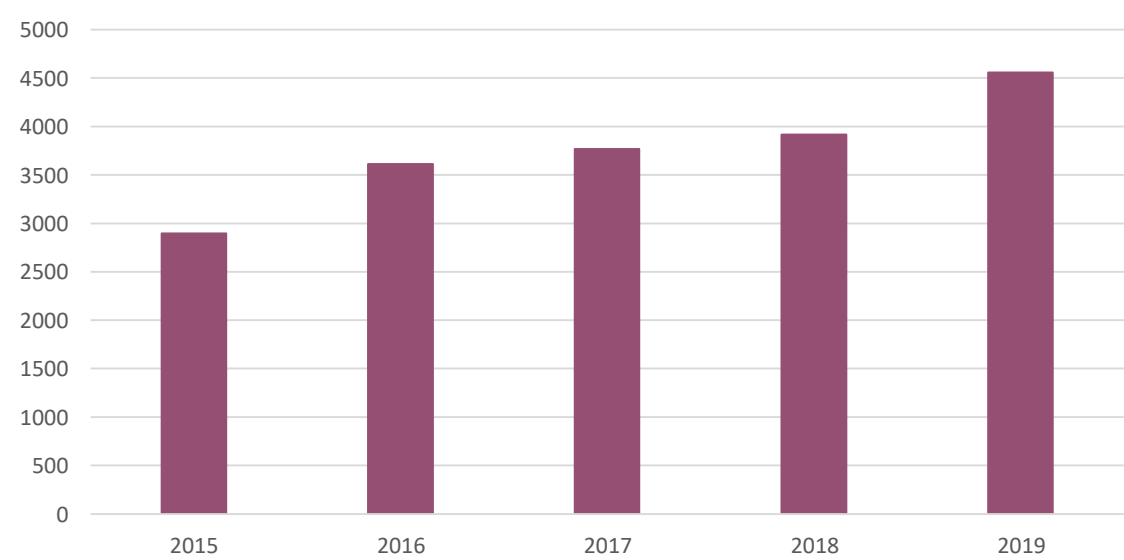


Figure 6.4 shows year-over-year ascending citation counts for Department of Surgery faculty. Researchers received **4,557** citations in 2019, and an average citation count per research-active faculty of **142.4**.

Figure 6.4: Department of Surgery Annual Citation Count



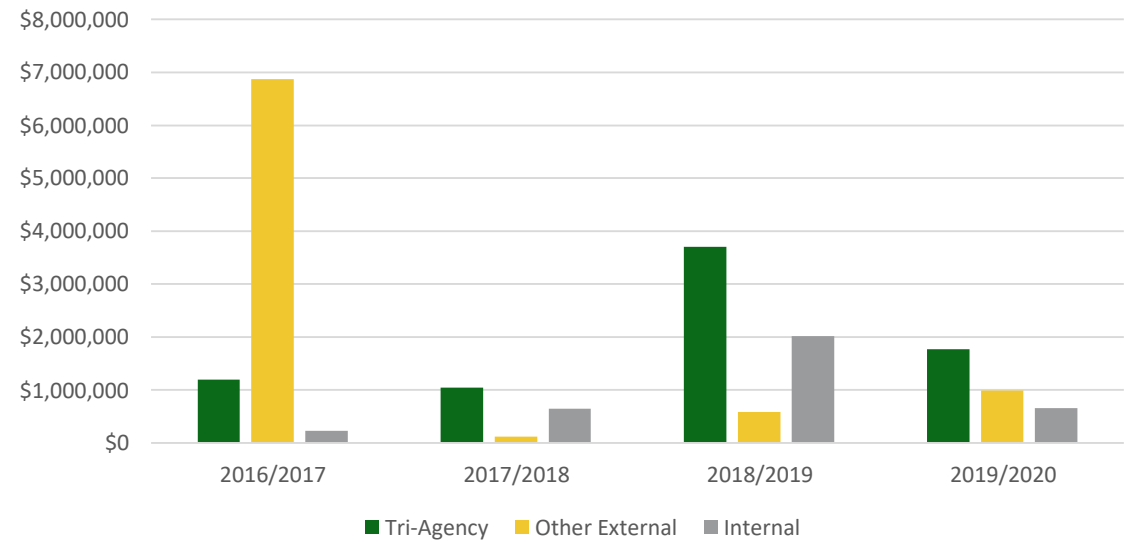
In 2019, the Department of Surgery’s **32** research-active faculty achieved a combined 5-year total h-index of **290**. The average 5-year total h-index per research-active faculty is **9.1**.

7. Department of Biochemistry, Microbiology and Immunology

7.1 Research Funding

In the 2019/2020 fiscal year, Department of Biochemistry, Microbiology and Immunology researchers were awarded a total of \$3,414,304.92.

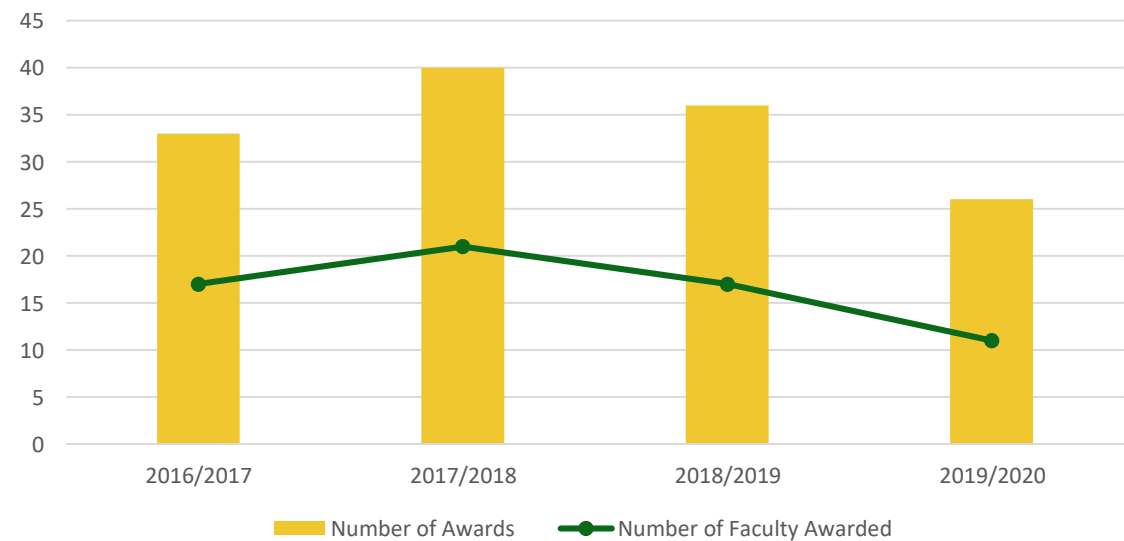
Figure 7.1: Department of Biochemistry, Microbiology and Immunology Research Funding



7.2 Research Projects Awarded

In 2019/2020 faculty received 26 awards, received by 11 unique award recipients.

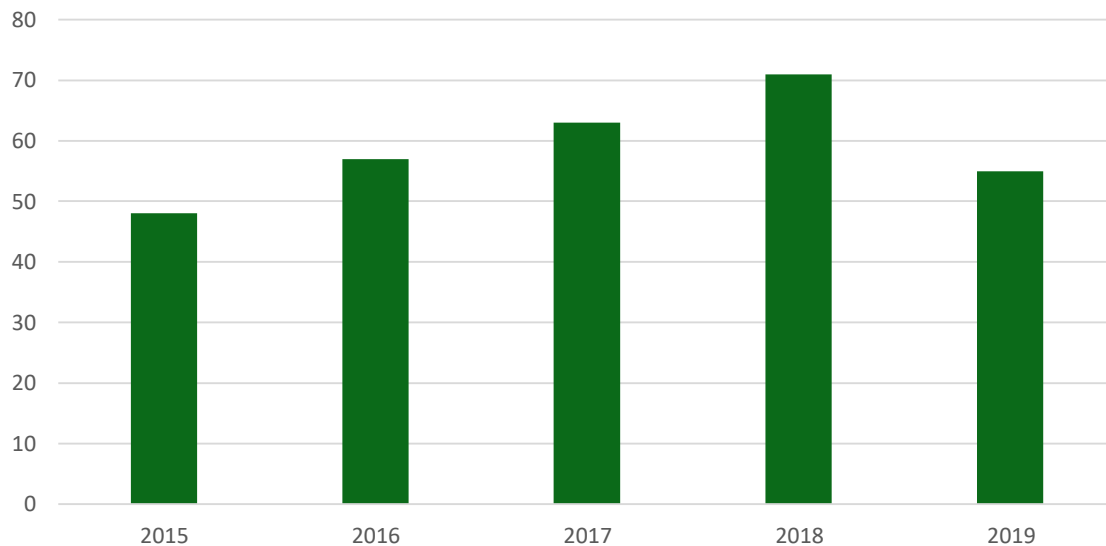
Figure 7.2: Department of Biochemistry, Microbiology and Immunology Research Projects Awarded



7.3 Publications, Citations and H-index

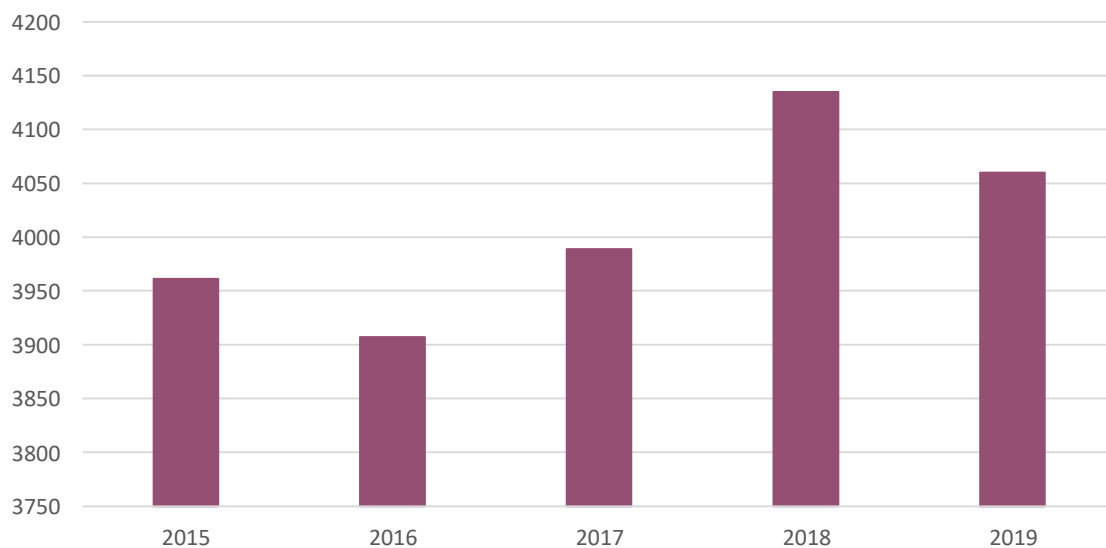
The department produced **55** publications in 2019, with an average of **1.9** publications per research-active faculty.

Figure 7.3: Department of Biochemistry, Microbiology and Immunology Annual Publication Count



Department of Biochemistry, Microbiology and Immunology researchers received **4,060** citations in 2019, with an average citation count per research-active faculty of **140.0**.

Figure 7.4: Department of Biochemistry, Microbiology and Immunology Annual Citation Count



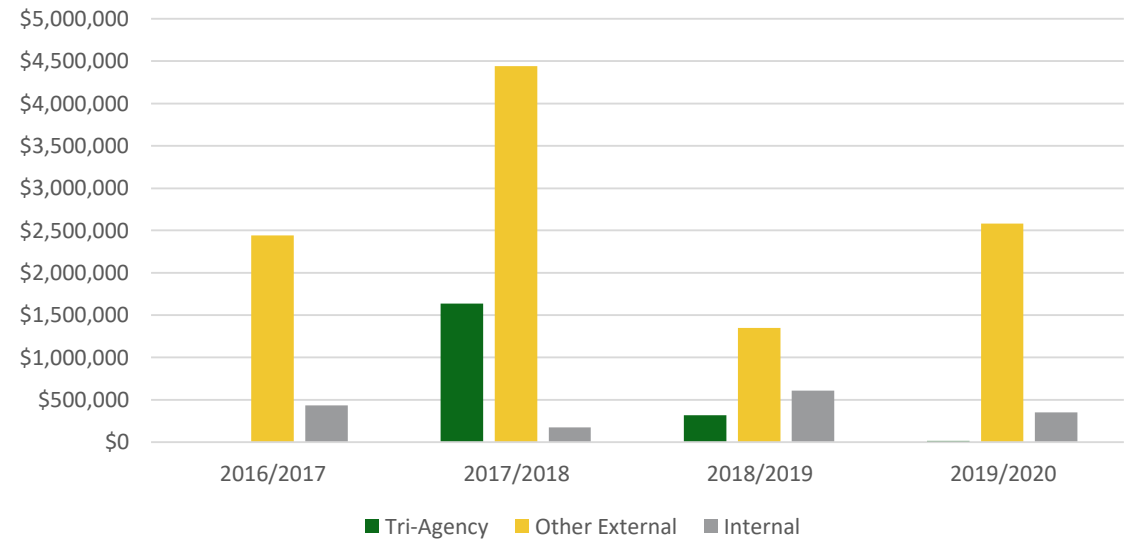
In 2019, the Department of Biochemistry, Microbiology and Immunology's **29** research-active faculty achieved a combined 5-year total h-index of **353**. The average 5-year total h-index per research-active faculty is **12.2**.

8. Division of Oncology

8.1 Research Funding

In the 2019/2020 fiscal year, Division of Oncology researchers were awarded a total of **\$2,949,350.79**.

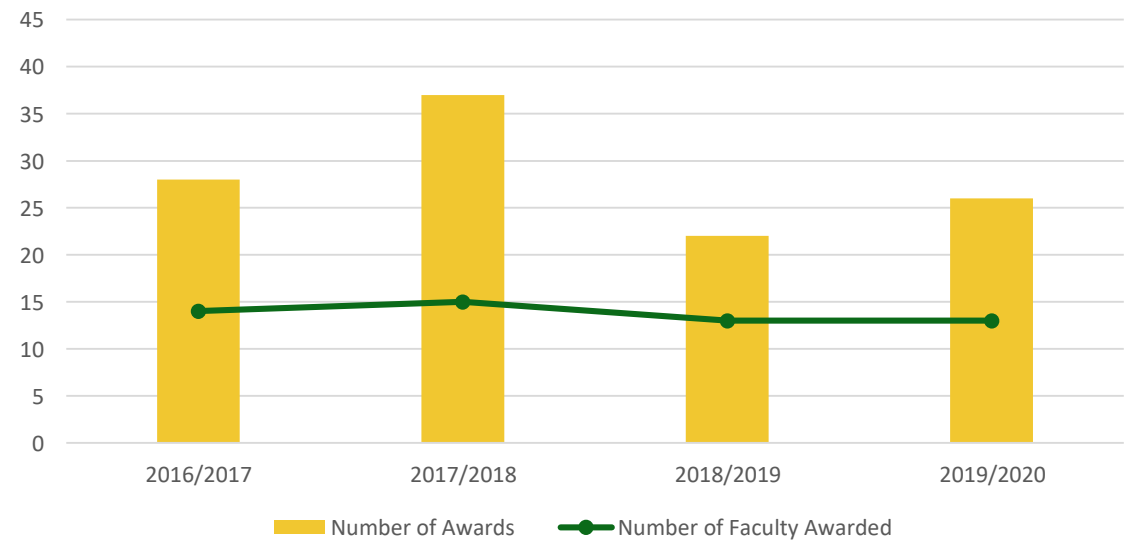
Figure 8.1: Division of Oncology Research Funding



8.2 Research Projects Awarded

In 2019/2020 Division of Oncology faculty received **26** awards in 2019/2020. The number of unique faculty award recipients was maintained through this period, with 28 unique awardees in 2016/2017 and **26** in 2019/2020.

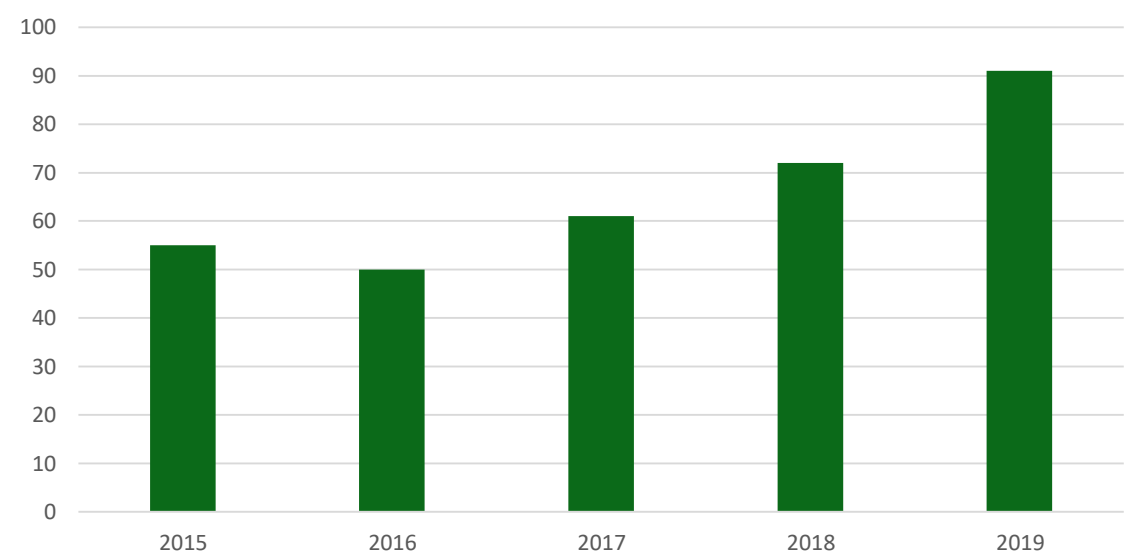
Figure 8.2: Division of Oncology Research Projects Awarded



8.3 Publications, Citations and H-index

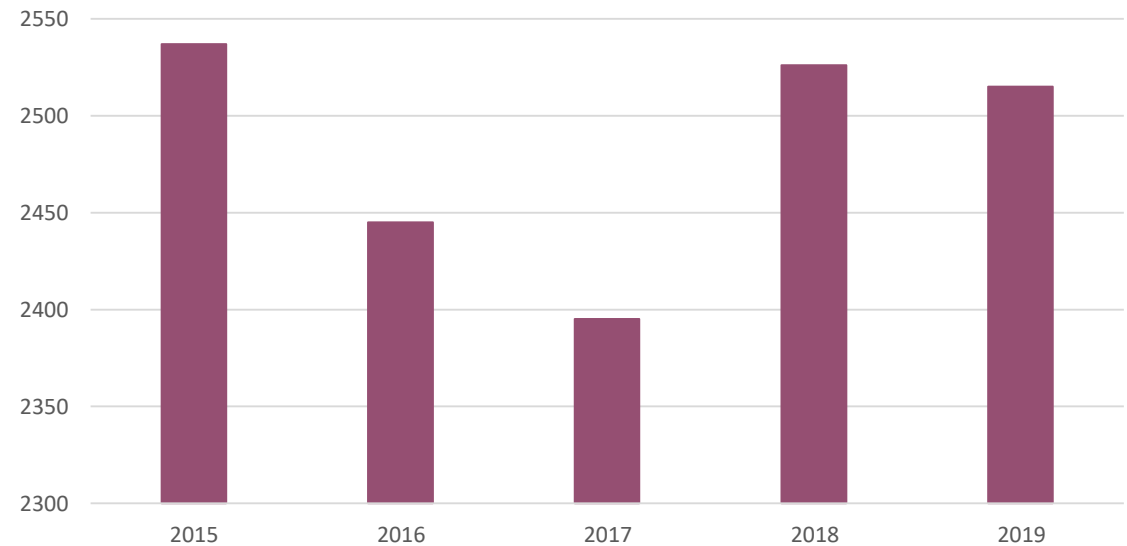
The division produced **91** publications in 2019, with an average of **3.1** publications per research-active faculty.

Figure 8.3: Division of Oncology Annual Publication Count



Researchers received **2,515** citations in 2019, with an average citation count per research-active faculty of **86.7**.

Figure 8.4: Division of Oncology Annual Citation Count



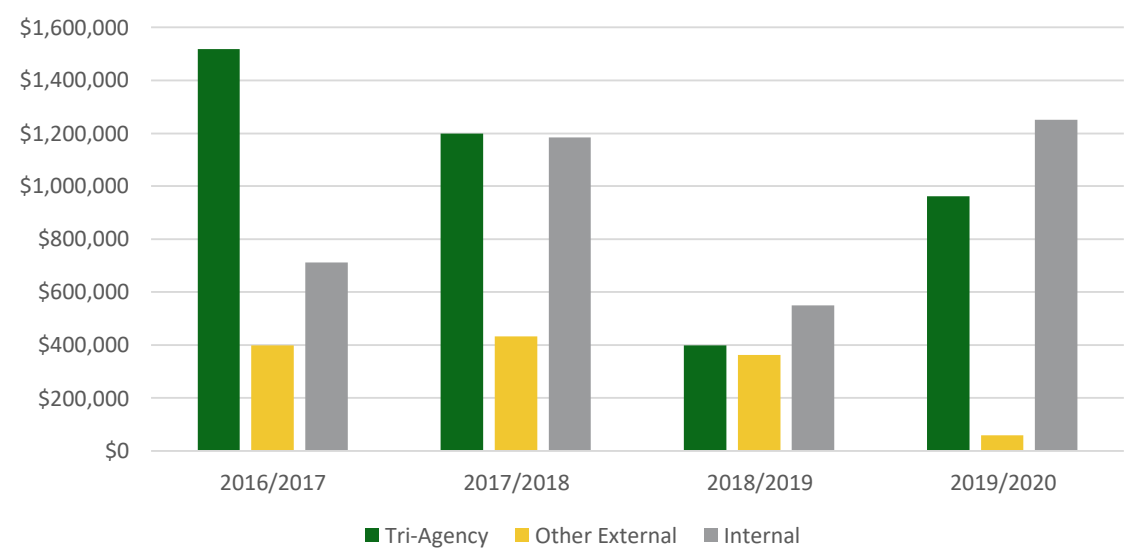
In 2019, the Division of Oncology’s **29** research-active faculty achieved a combined 5-year total h-index of **171**. The average 5-year total h-index per research-active faculty is **5.9**.

9. Department of Anatomy, Physiology and Pharmacology

9.1 Research Funding

In the 2019/2020 fiscal year, Department of Anatomy, Physiology and Pharmacology researchers were awarded a total of \$2,272,593.29.

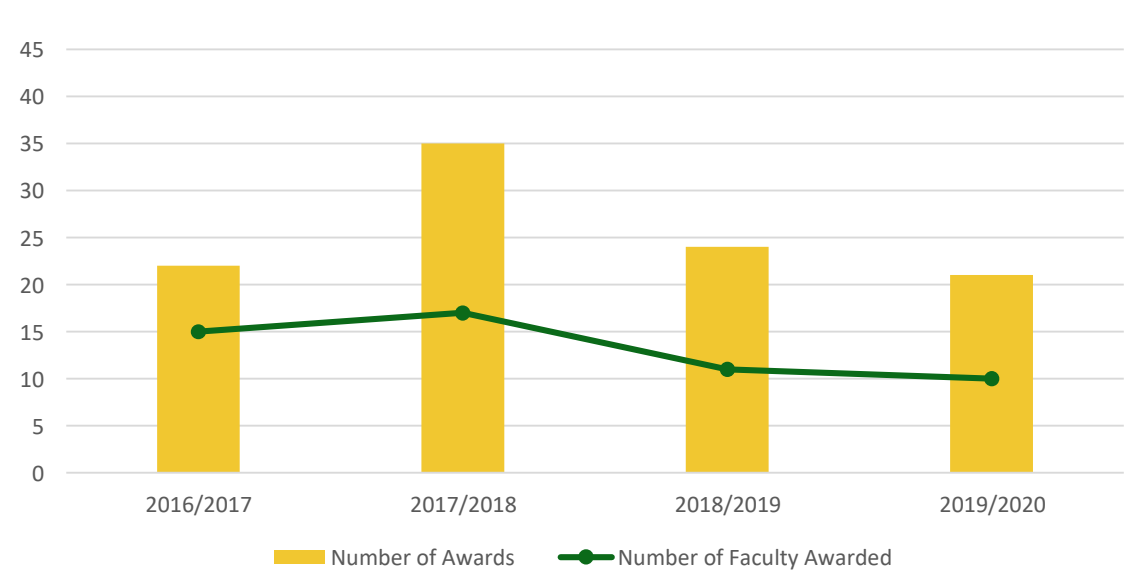
Figure 9.1: Department of Anatomy, Physiology and Pharmacology Research Funding



9.2 Research Projects Awarded

In 2019/2020 faculty received 21 awards, received by 10 unique award recipients.

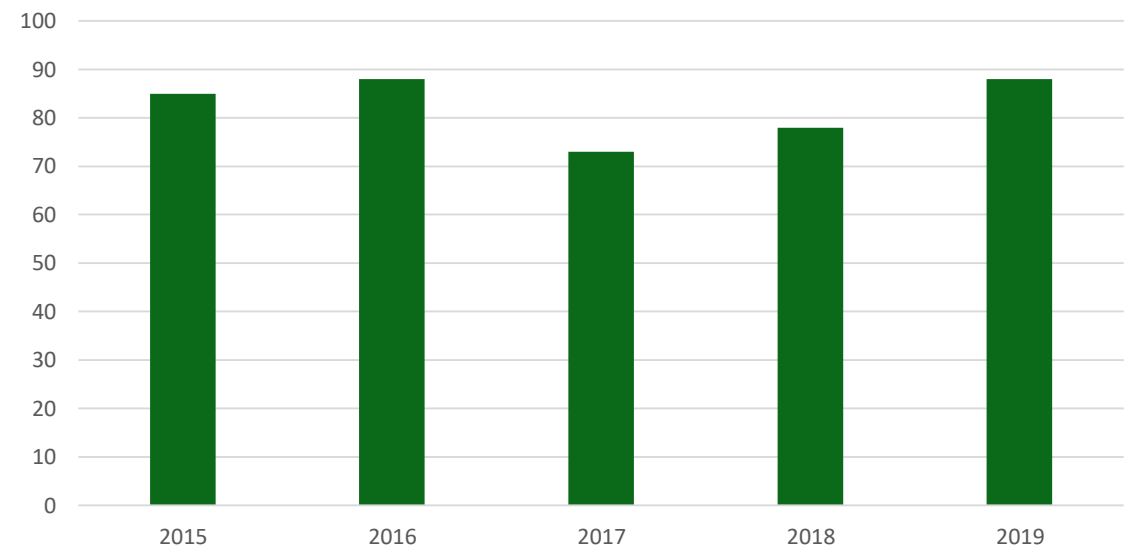
Figure 9.2: Department of Anatomy, Physiology and Pharmacology Research Projects



9.3 Publications, Citations and H-index

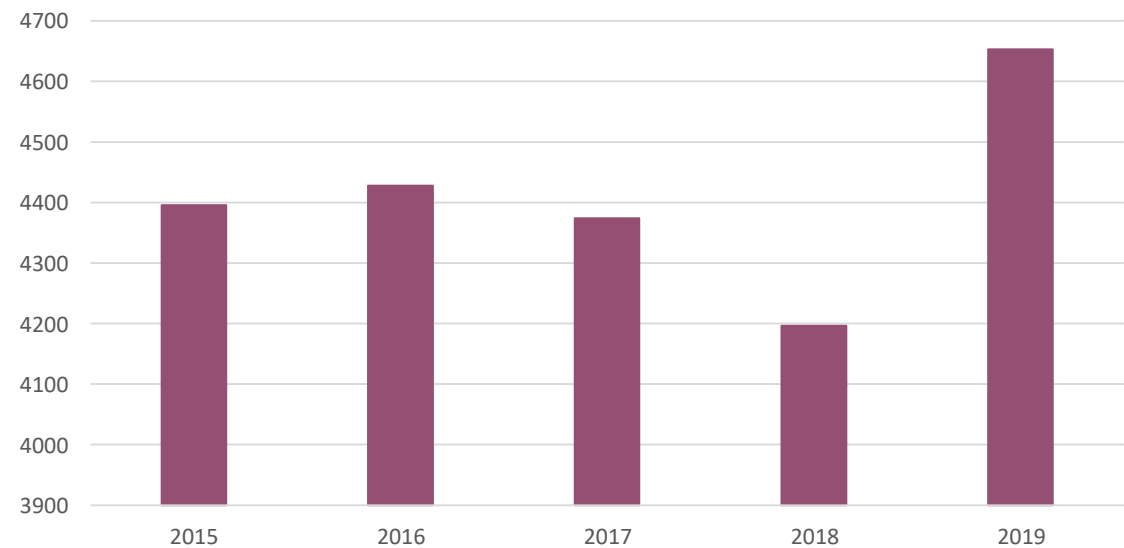
The department produced **88** publications in 2019, with an average of **3.4** publications per research-active faculty.

Figure 9.3: Department of Anatomy, Physiology and Pharmacology Annual Publication Count



Researchers received **4,653** citations in 2019, and an average citation count per research-active faculty of **179.0**.

Figure 9.4: Department of Anatomy, Physiology and Pharmacology Annual Citation Count



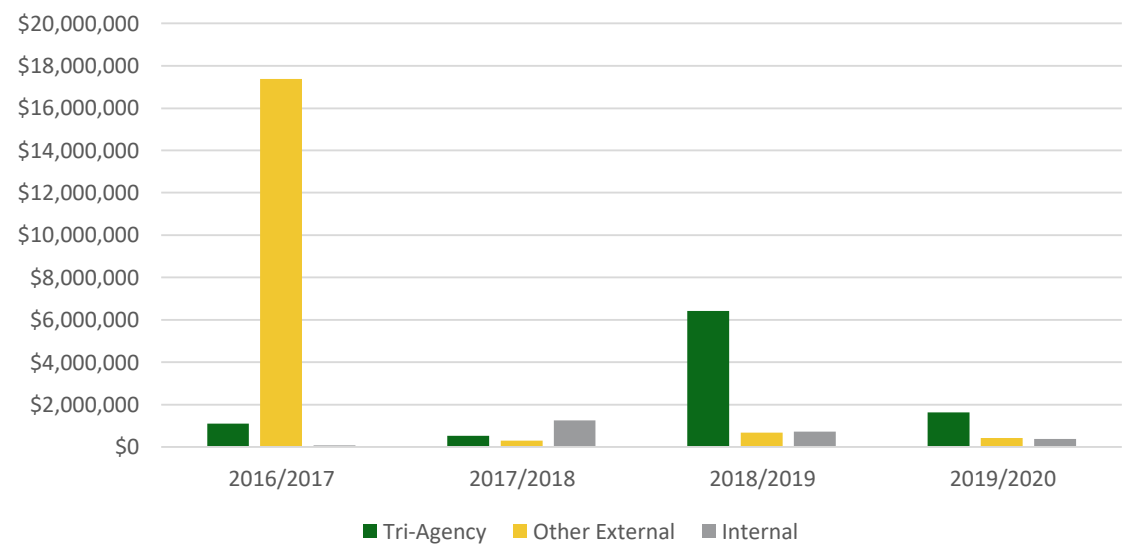
In 2019, the Department of Anatomy, Physiology and Pharmacology’s **26** research-active faculty achieved a combined 5-year total h-index of **386**. The average 5-year total h-index per research-active faculty is **14.8**.

10. Department of Community Health and Epidemiology

10.1 Research Funding

In the 2019/2020 fiscal year, Department of Community Health and Epidemiology researchers were awarded a total of \$2,429,454.41.

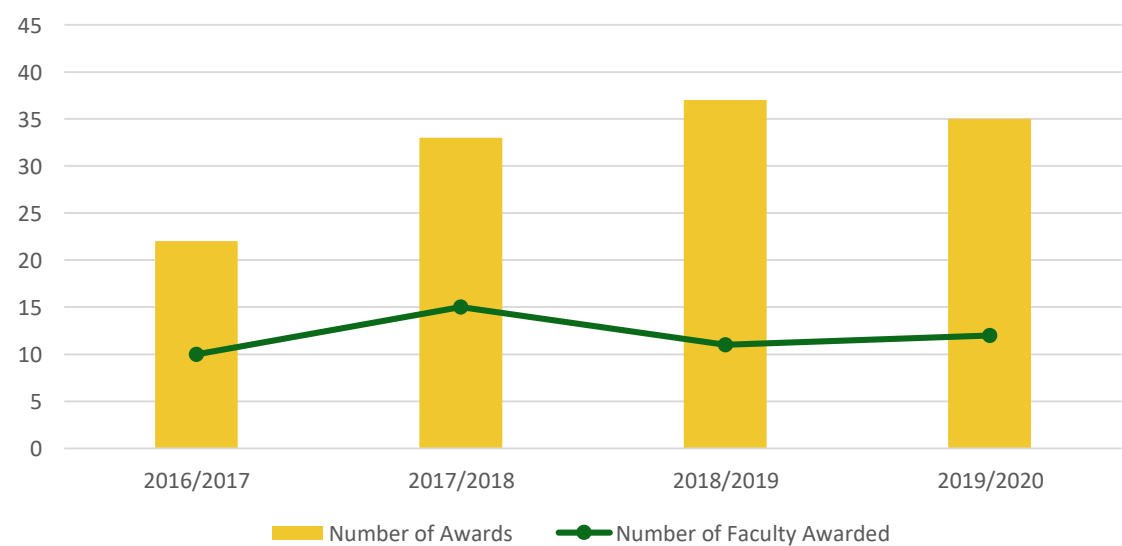
Figure 10.1: Department of Community Health and Epidemiology Research Funding



10.2 Research Projects Awarded

Researchers in the Department of Community Health and Epidemiology have increased the total number of awards from 22 to 35 between 2016/2017 and 2019/2020. The number of unique faculty award recipients was maintained through this period, with 10 unique awardees in 2016/2017 and 12 in 2019/2020.

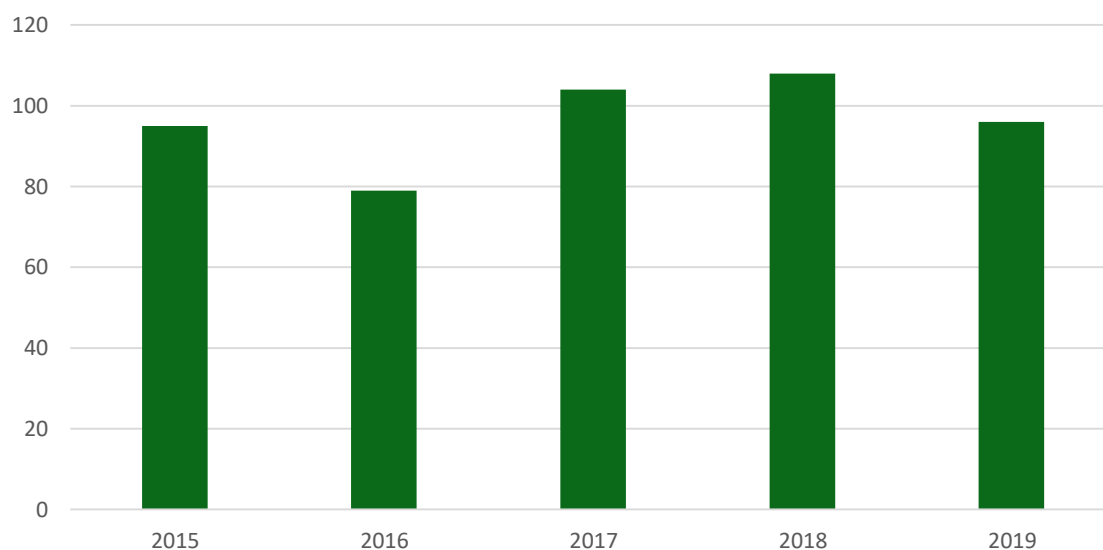
Figure 10.2: Department of Community Health and Epidemiology Research Projects Awarded



10.3 Publications, Citations and H-index

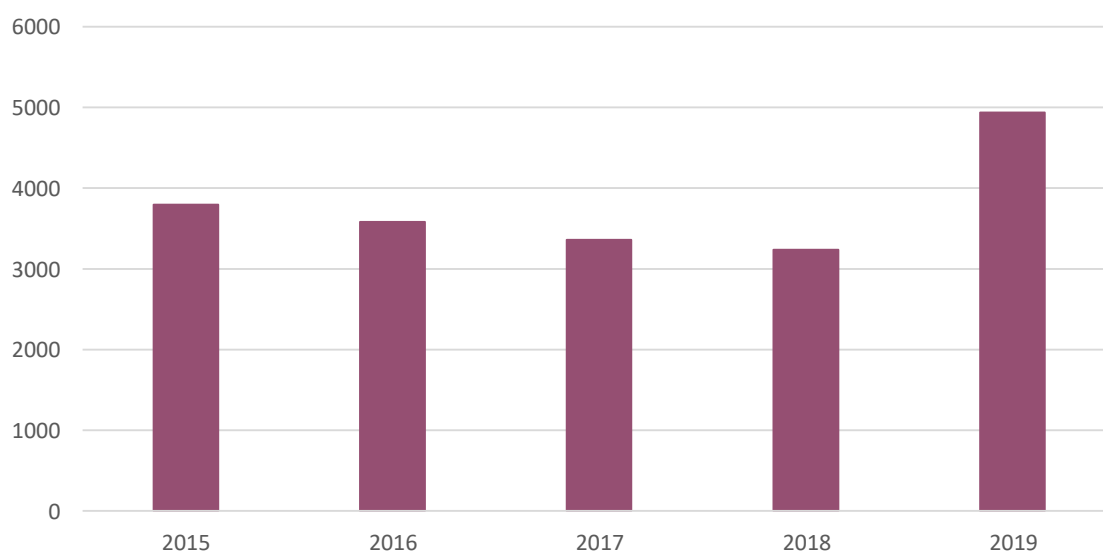
The department produced **96** publications in 2019, with an average of **4.0** publications per research-active faculty.

Figure 10.3: Department of Community Health and Epidemiology Annual Publication Count



Researchers received **4,937** citations in 2019, and an average citation count per research-active faculty of **205.7**.

Figure 10.4: Department of Community Health and Epidemiology Annual Citation Count



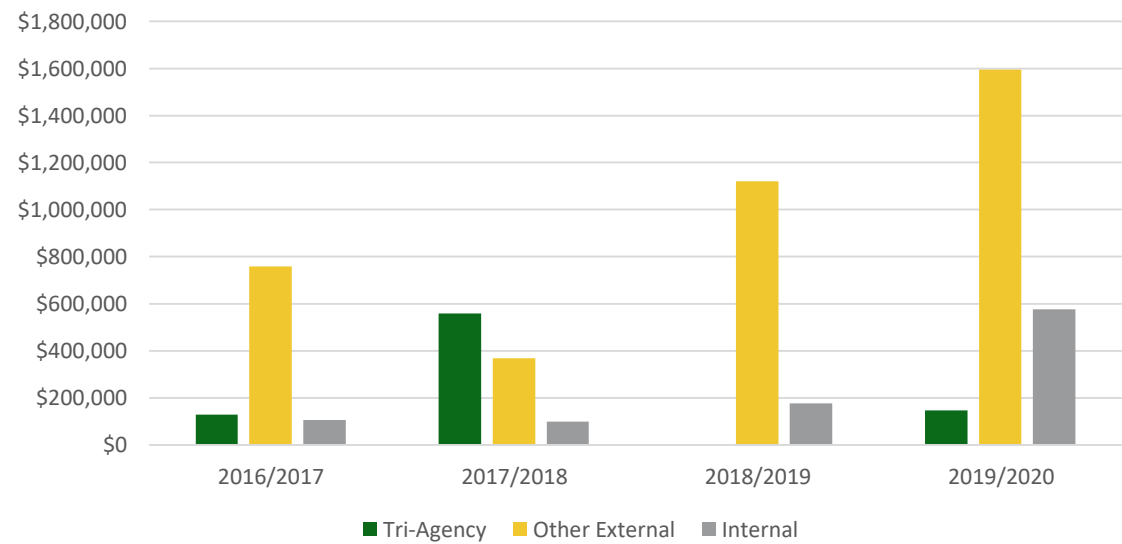
In 2019, the Department of Community Health and Epidemiology's **24** research-active faculty achieved a combined 5-year total h-index of **240**. The average 5-year total h-index per research-active faculty is **10.0**.

11. Department of Pathology and Laboratory Medicine

11.1 Research Funding

In the 2019/2020 fiscal year, Department of Pathology and Laboratory Medicine researchers were awarded a total of **\$2,318,143.00**, an increase from \$993,698.73 in 2016/2017.

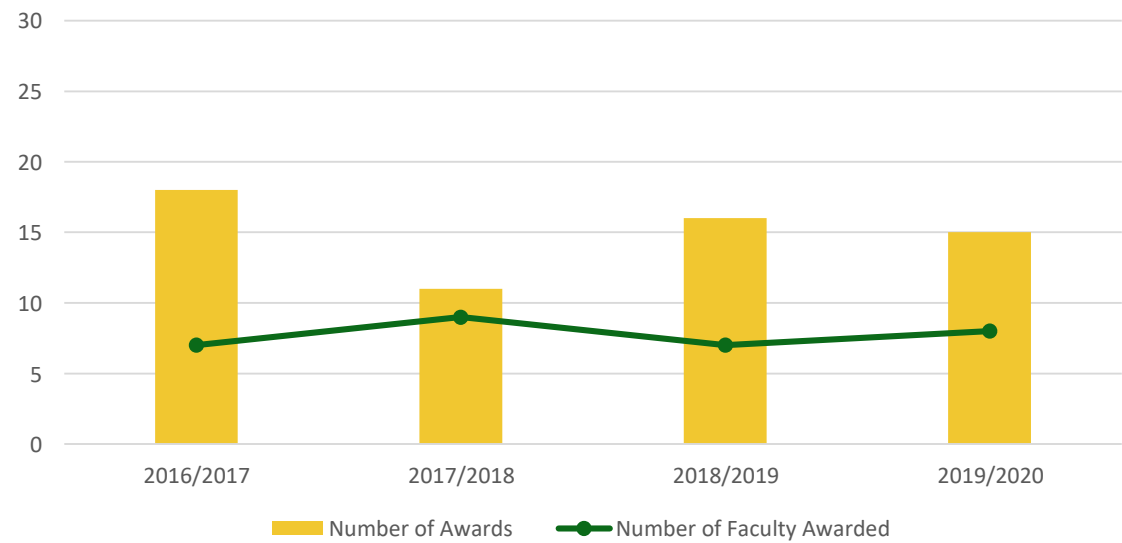
Figure 11.1: Pathology and Laboratory Medicine Research Funding



11.2 Research Projects Awarded

In 2019/2020 Department of Pathology and Laboratory Medicine faculty received **15** awards, received by **8** unique award recipients.

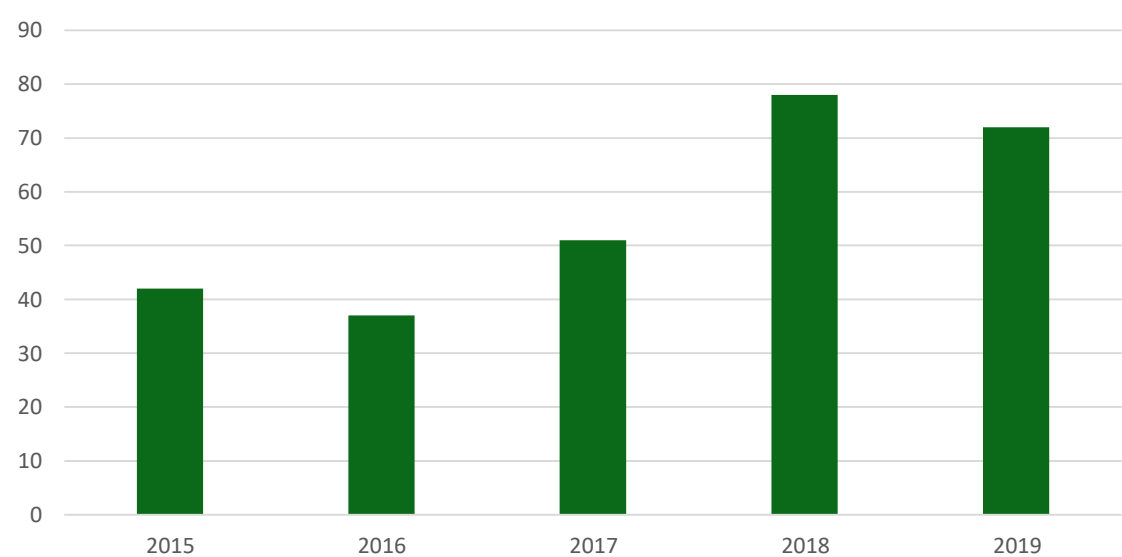
Figure 11.2: Department of Pathology and Laboratory Medicine Research Projects Awarded



11.3 Publications, Citations and H-index

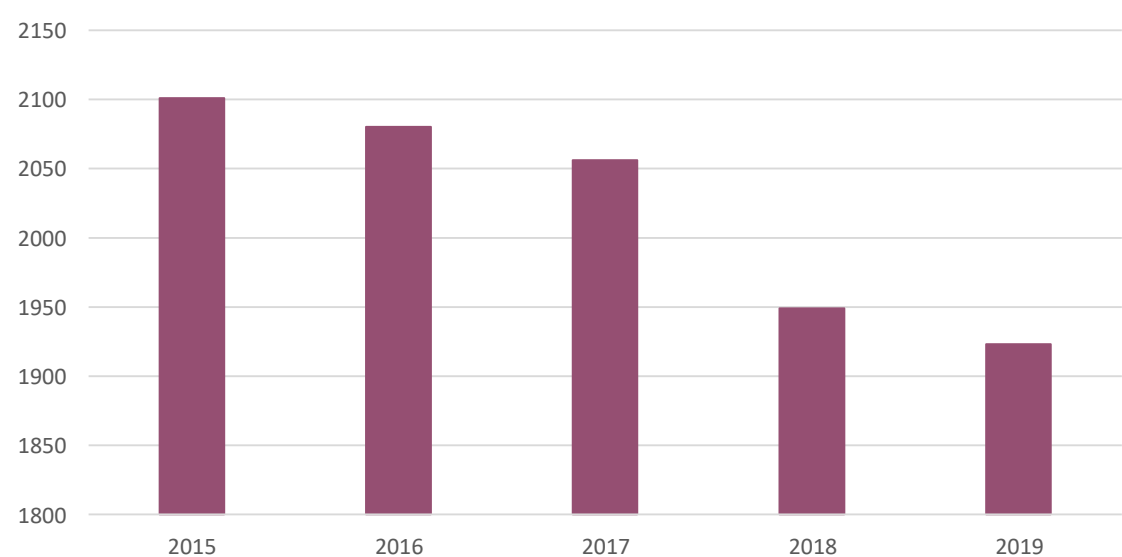
The department produced **72** publications in 2019, with an average of **3.3** publications per research-active faculty.

Figure 11.3: Department of Pathology and Laboratory Medicine Annual Publication Count



Researchers received **1,923** citations in 2019, and an average citation count per research-active faculty of **87.4**.

Figure 11.4: Department of Pathology and Laboratory Medicine Annual Citation Count



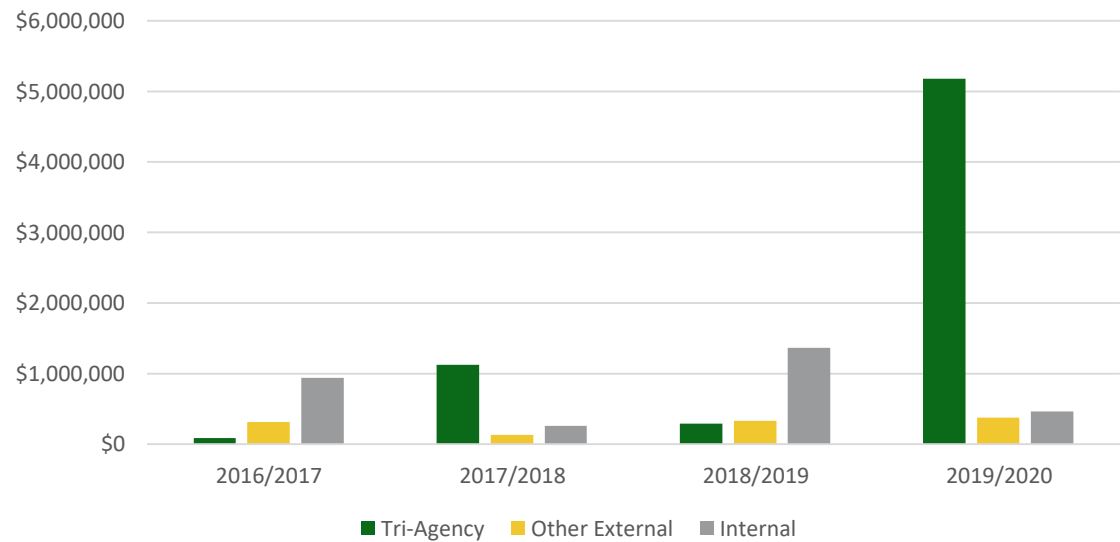
In 2019, the Department of Pathology and Laboratory Medicine’s **22** research-active faculty achieved a combined 5-year total h-index of **218**. The average 5-year total h-index per research-active faculty is **9.9**.

12. Department of Psychiatry

12.1 Research Funding

In the 2019/2020 fiscal year, Department of Psychiatry researchers were awarded a total of **\$6,021,359.88**, an increase from \$1,339,746.57 in 2016/2017.

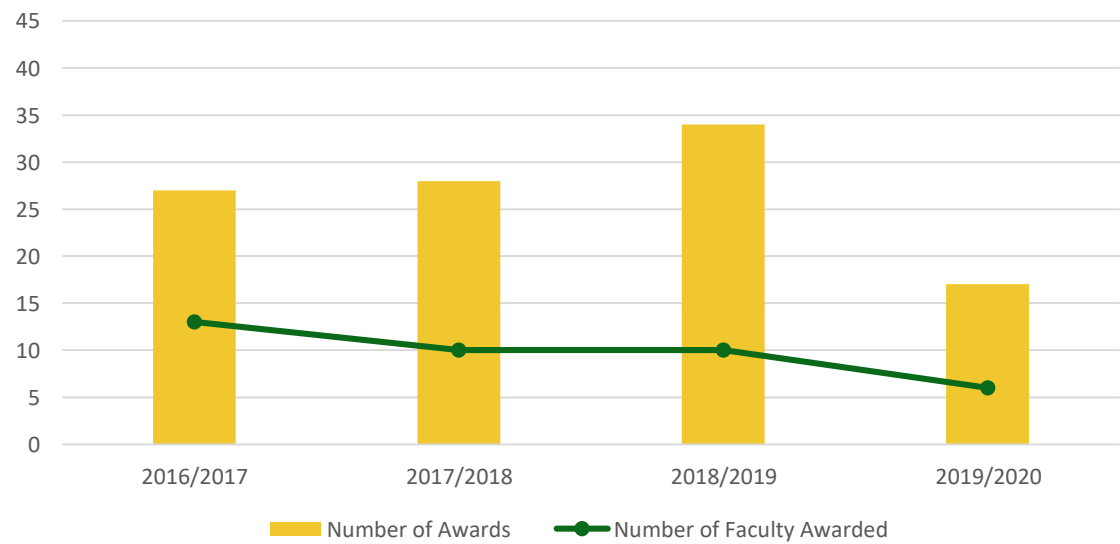
Figure 12.1: Department of Psychiatry Research Funding



12.2 Research Projects Awarded

In 2019/2020 Department of Psychiatry faculty received **17** awards, received by **6** unique award recipients.

Figure 13.2: Department of Psychiatry Research Projects Awarded



12.3 Publications, Citations and H-index

The department produced **47** publications in 2019, with an average of **2.5** publications per research-active faculty.

Figure 12.3: Department of Psychiatry Annual Publication Count

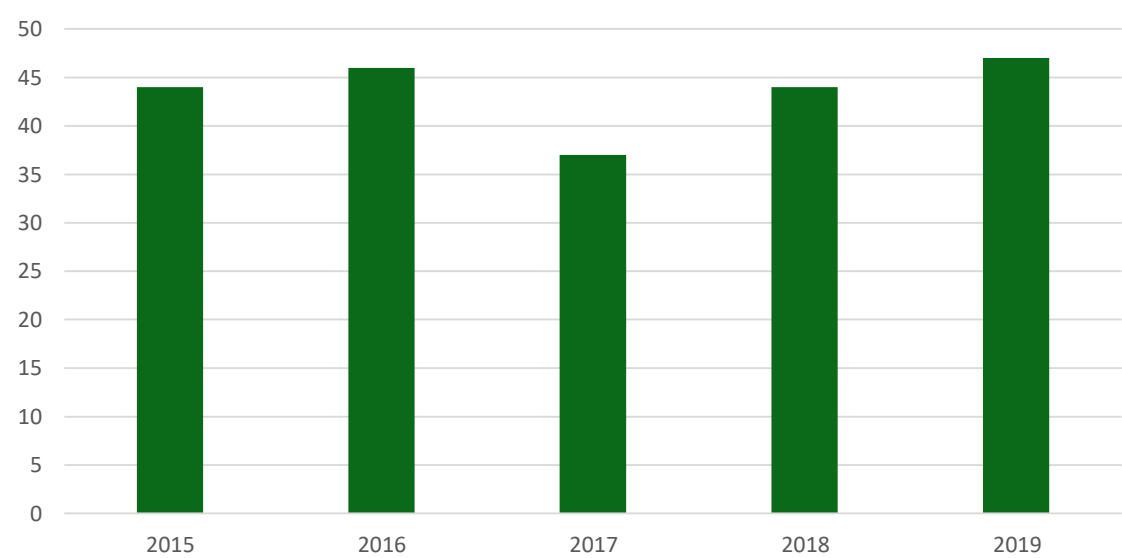
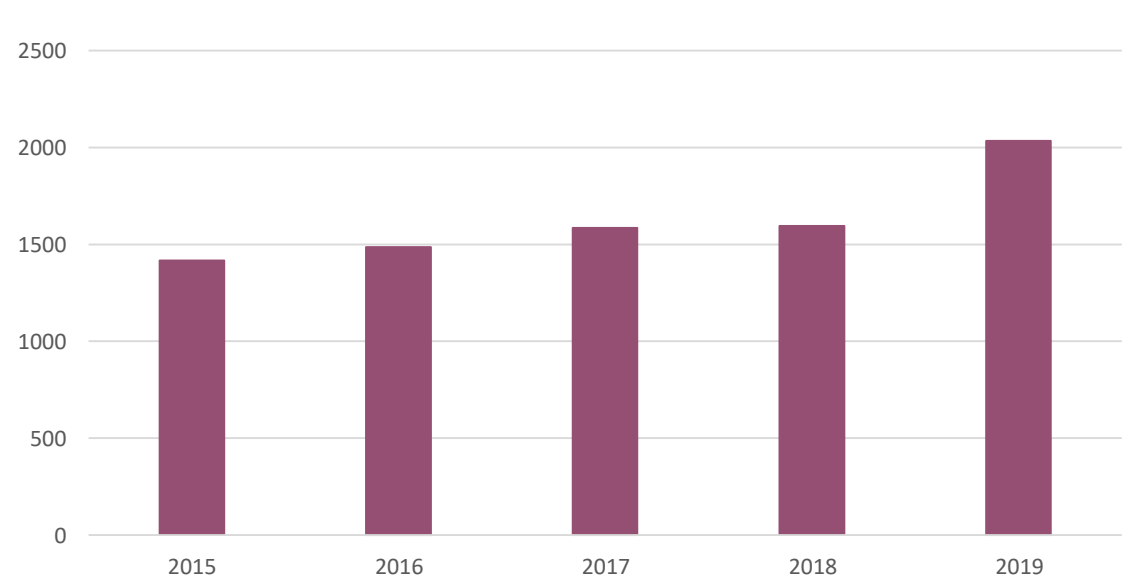


Figure 12.4 shows year-over-year ascending citation counts for Department of Psychiatry researchers. Researchers received **2,034** citations in 2019, and an average citation count per research-active faculty of **107.1**.

Figure 12.4: Department of Psychiatry Annual Citation Count



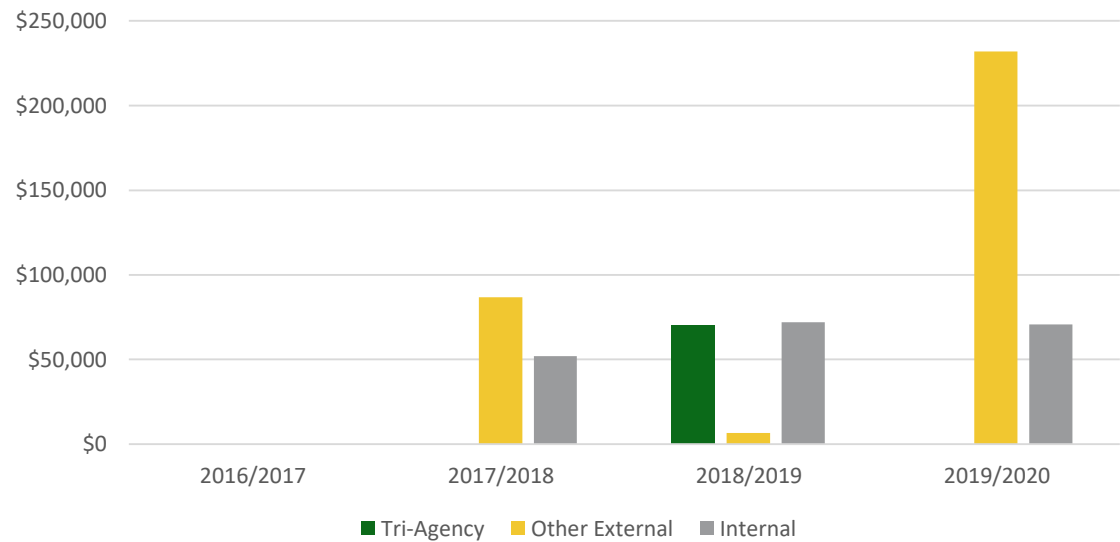
In 2019, the Department of Psychiatry’s **19** research-active faculty achieved a combined 5-year total h-index of **166**. The average 5-year total h-index per research-active faculty is **8.7**.

13. Department of Emergency Medicine

13.1 Research Funding

In the 2019/2020 fiscal year, Department of Emergency Medicine researchers were awarded a total of **\$302,470.00**, an increase from \$0 in 2016/2017.

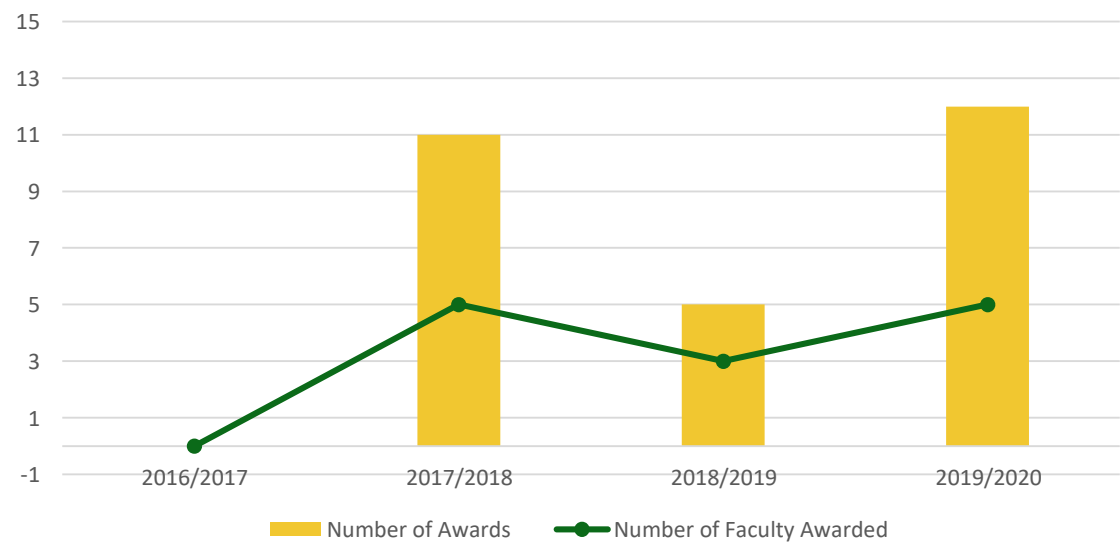
Figure 13.1: Department of Emergency Medicine Research Funding



13.2 Research Projects Awarded

Over the past four fiscal years Department of Emergency Medicine researchers have seen an increase in the total number of awards received, from 0 in 2016/2017 to **12** in 2019/2020. The number of unique faculty award recipients rose from 0 in 2016/2017 to **5** in 2019/2020.

Figure 13.2: Department of Emergency Medicine Research Projects Awarded



13.3 Publications, Citations and H-index

The department produced **63** publications in 2019, with an average of **4.2** publications per research-active faculty.

Figure 13.3: Department of Emergency Medicine Annual Publication Count

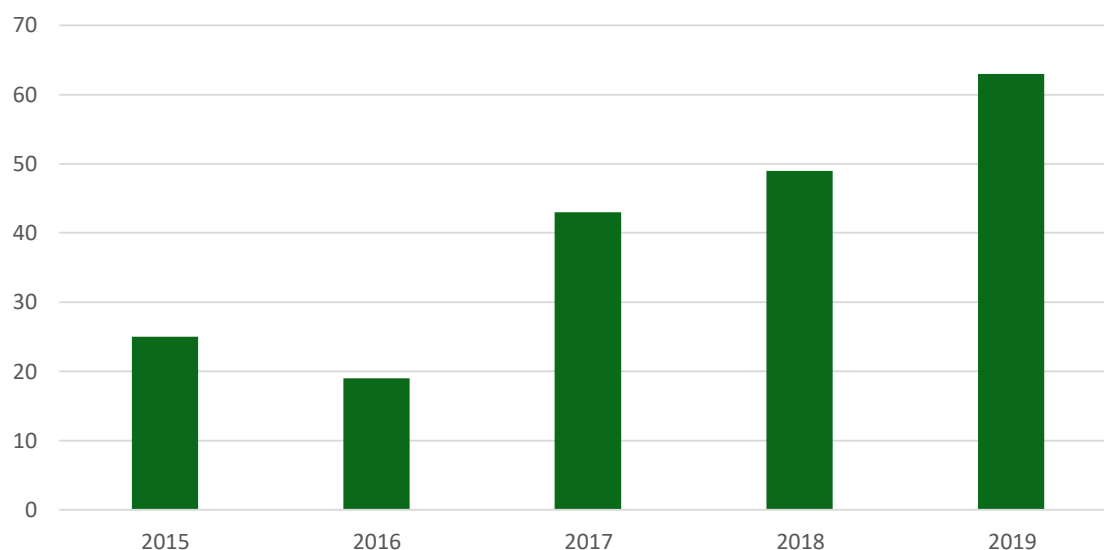
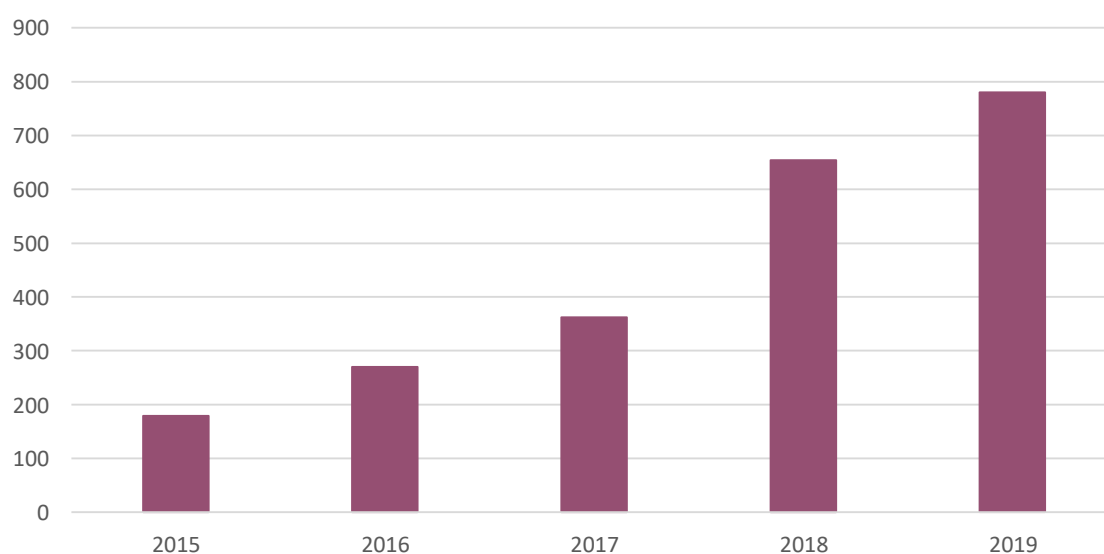


Figure 13.4 shows year-over-year ascending citation counts for Department of Emergency Medicine faculty. Researchers received **780** citations in 2019, and an average citation count per research-active faculty of **52.0**.

Figure 13.4: Department of Emergency Medicine Annual Citation Count



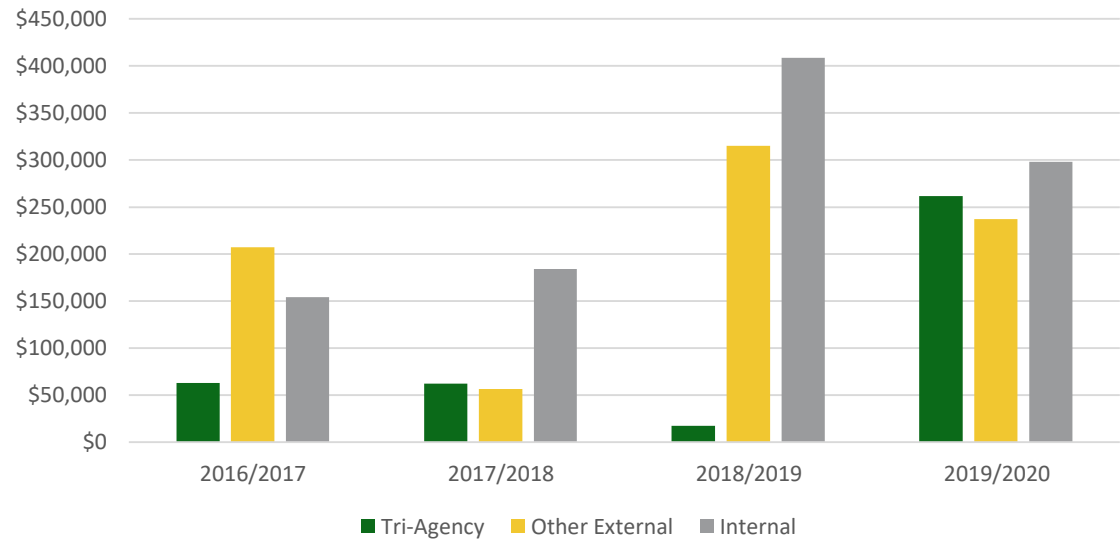
In 2019, the Department of Emergency Medicine's **15** research-active faculty achieved a combined 5-year total h-index of **70**. The average 5-year total h-index per research-active faculty is **4.7**.

14. School of Rehabilitation Science

14.1 Research Funding

In the 2019/2020 fiscal year, School of Rehabilitation Science researchers were awarded a total of **\$796,838.48**, an increase from \$424,195.00 in 2016/2017.

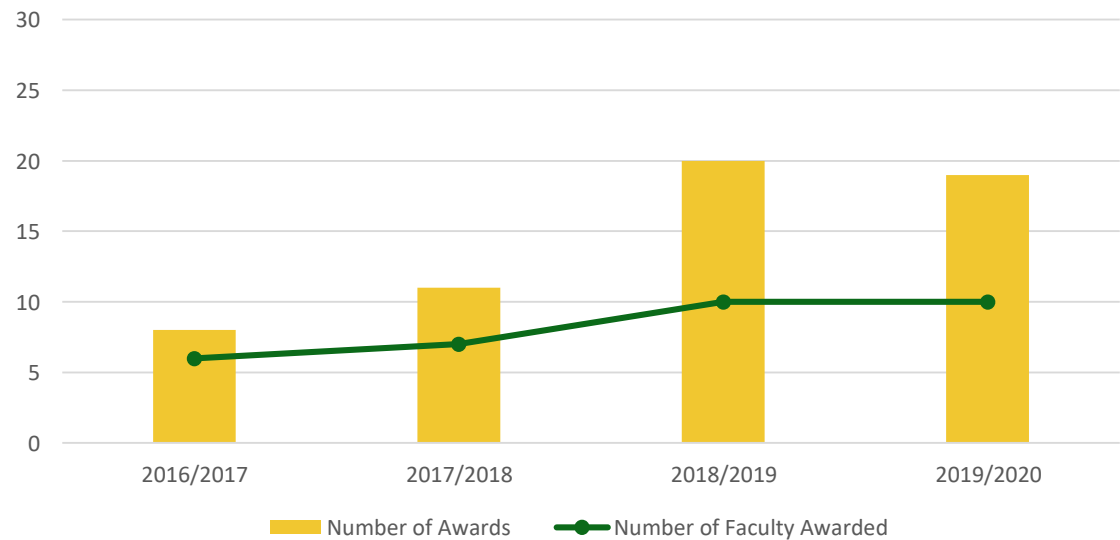
Figure 14.1: School of Rehabilitation Science Research Funding



14.2 Research Projects Awarded

Over the past four fiscal years School of Rehabilitation Science researchers have seen an increase in the total number of awards received, from 8 in 2016/2017 to **19** in 2019/2020. The number of unique faculty award recipients rose from 6 in 2016/2017 to **10** in 2019/2020.

Figure 14.2: School of Rehabilitation Science Research Projects Awarded



14.3 Publications, Citations and H-index

The school produced **61** publications in 2019, with an average of **4.1** publications per research-active faculty.

14.3: School of Rehabilitation Science Annual Publication Count

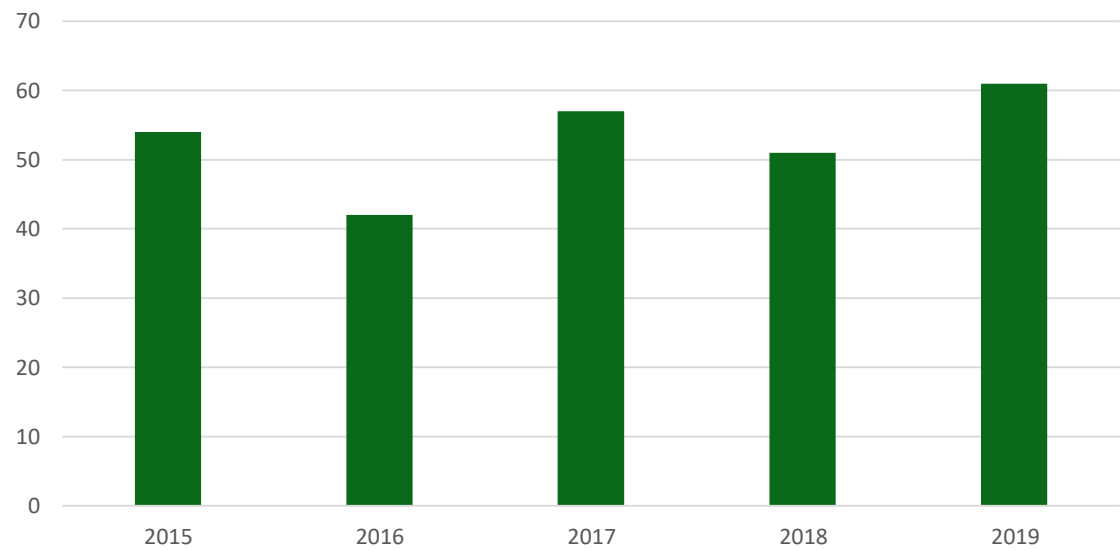
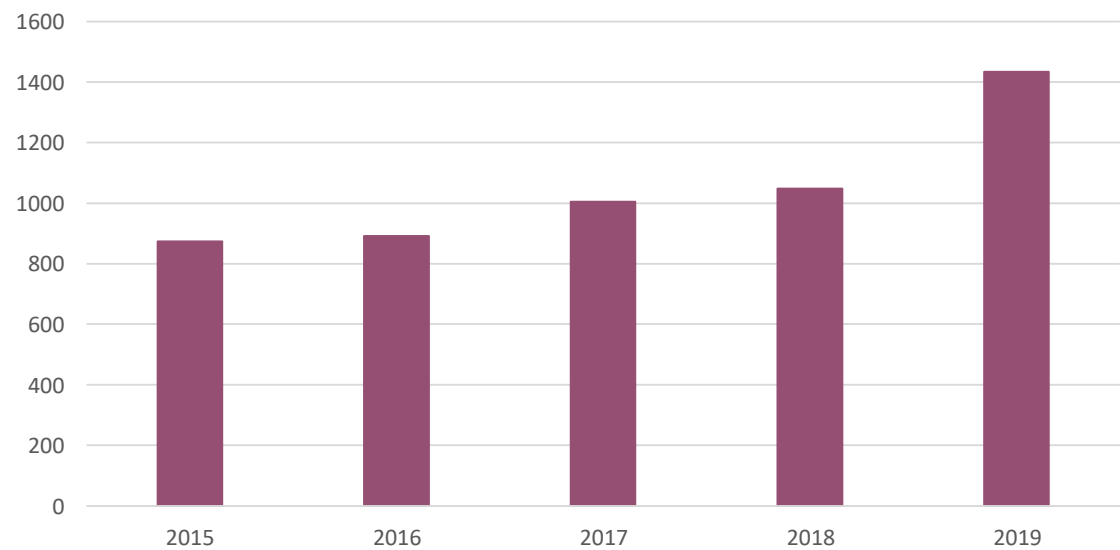


Figure 14.4 shows year-over-year ascending citation counts for School of Rehabilitation Science faculty. Researchers received **1,434** citations in 2019, and an average citation count per research-active faculty of **95.6**.

Figure 14.4: School of Rehabilitation Science Annual Citation Count



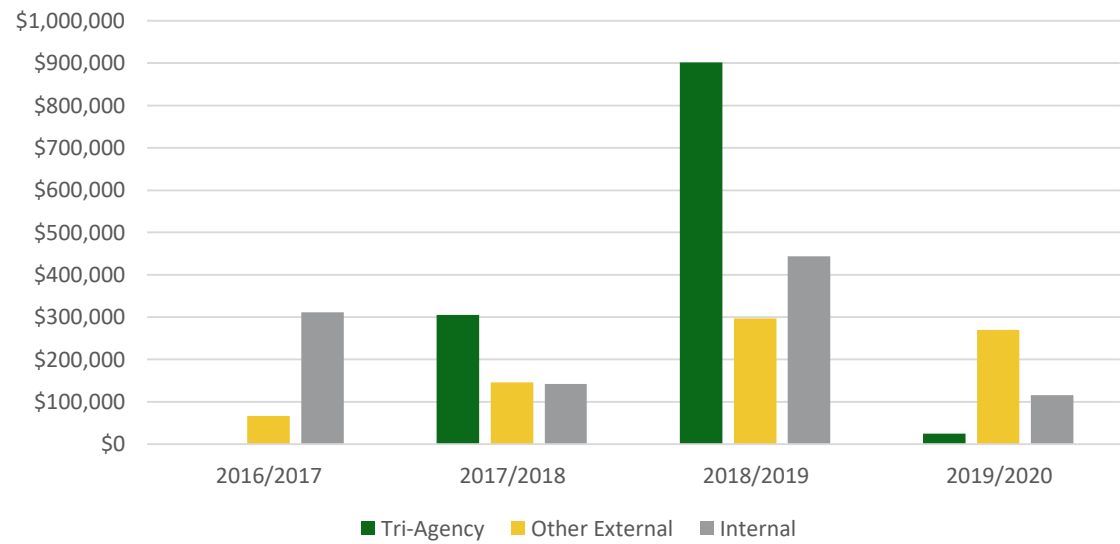
In 2019, the School of Rehabilitation Science’s **15** research-active faculty achieved a combined 5-year total h-index of **130**. The average 5-year total h-index per research-active faculty is **8.7**.

15. Department of Medical Imaging

15.1 Research Funding

In the 2019/2020 fiscal year, Department of Medical Imaging researchers were awarded a total of \$410,625.00.

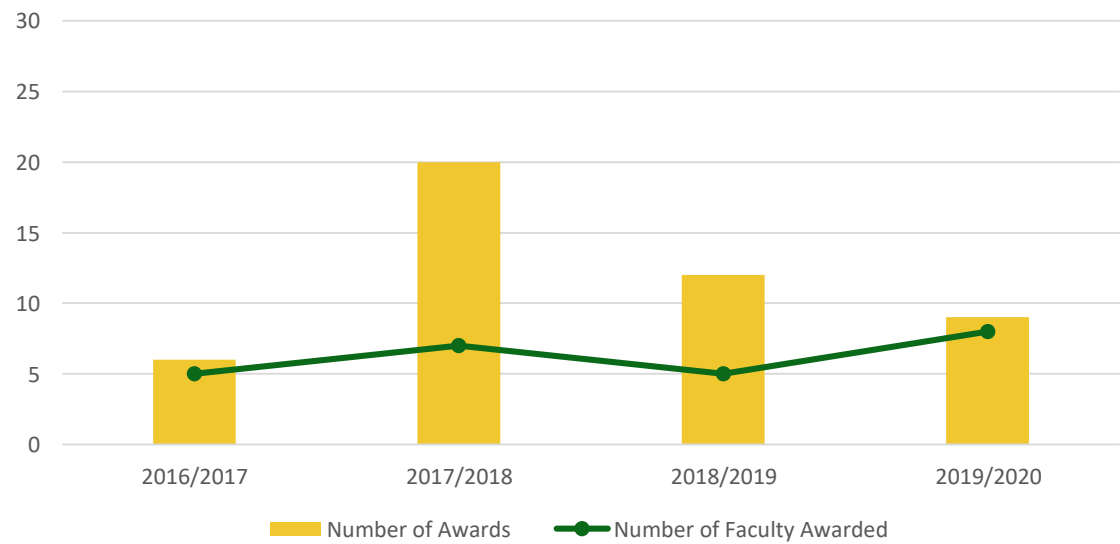
Figure 15.1: Department of Medical Imaging Research Funding



15.2 Research Projects Awarded

In 2019/2020 Department of Medical Imaging faculty received 9 awards, received by 8 unique award recipients.

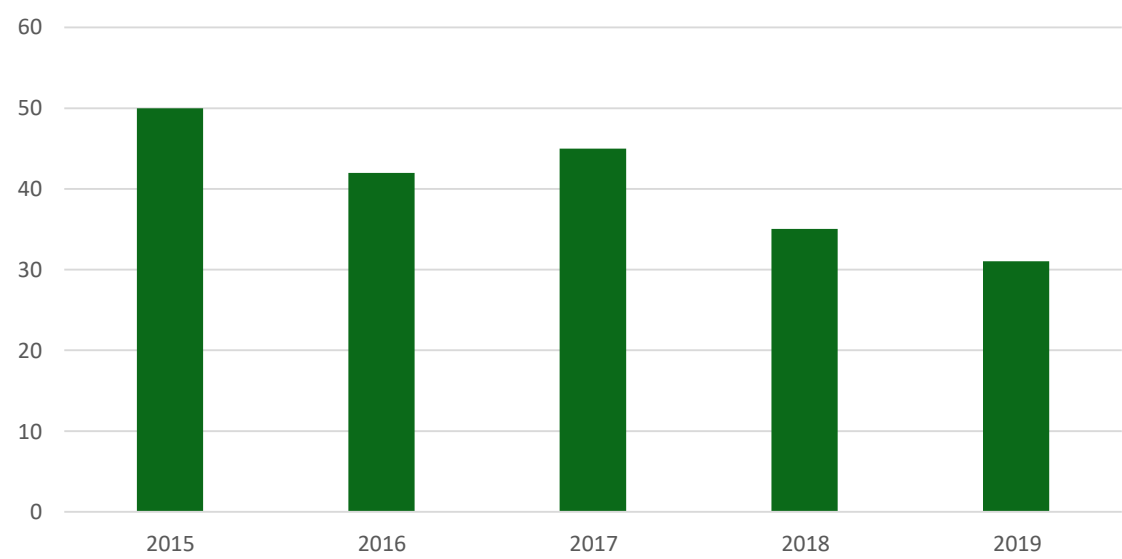
Figure 15.2: Department of Medical Imaging Research Projects Awarded



15.3 Publications, Citations and H-index

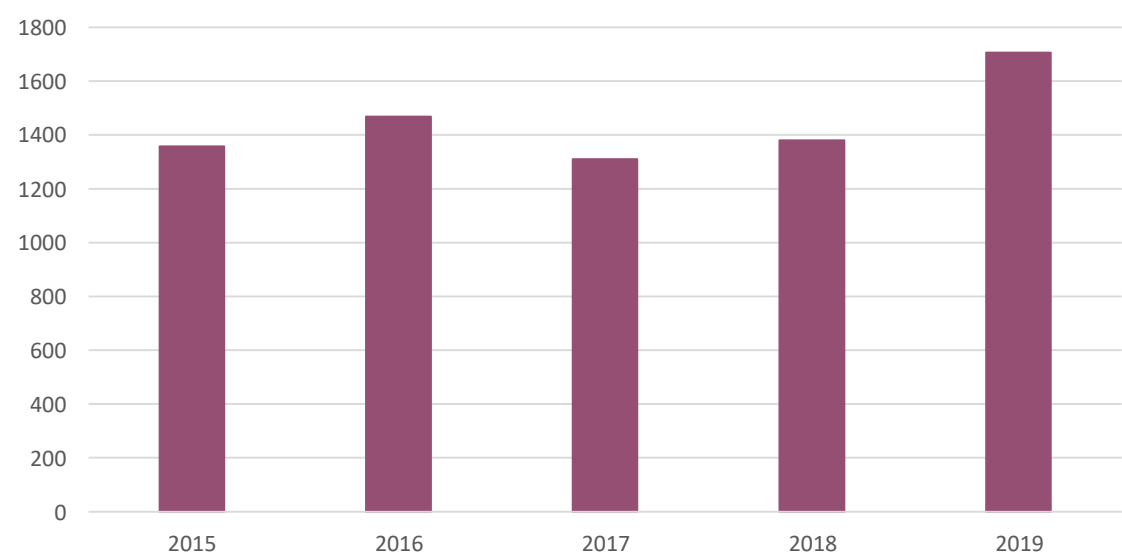
The department produced **31** publications in 2019, with an average of **2.2** publications per research-active faculty.

Figure 15.3: Department of Medical Imaging Annual Publication Count



Researchers received **1,706** citations in 2019, and an average citation count per research-active faculty of **121.9**.

Figure 15.4: Department of Medical Imaging Annual Citation Count



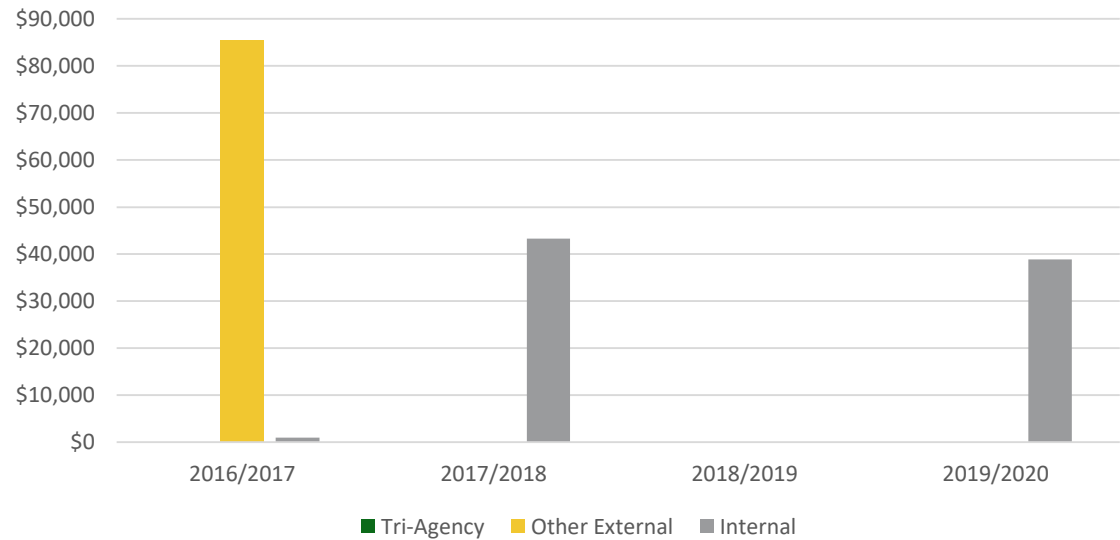
In 2019, the Department of Medical Imaging’s **14** research-active faculty achieved a combined 5-year total h-index of **111**. The average 5-year total h-index per research-active faculty is **7.9**.

16. Department of Obstetrics and Gynecology

16.1 Research Funding

In the 2019/2020 fiscal year, Department of Obstetrics and Gynecology researchers were awarded a total of **\$38,850.00**.

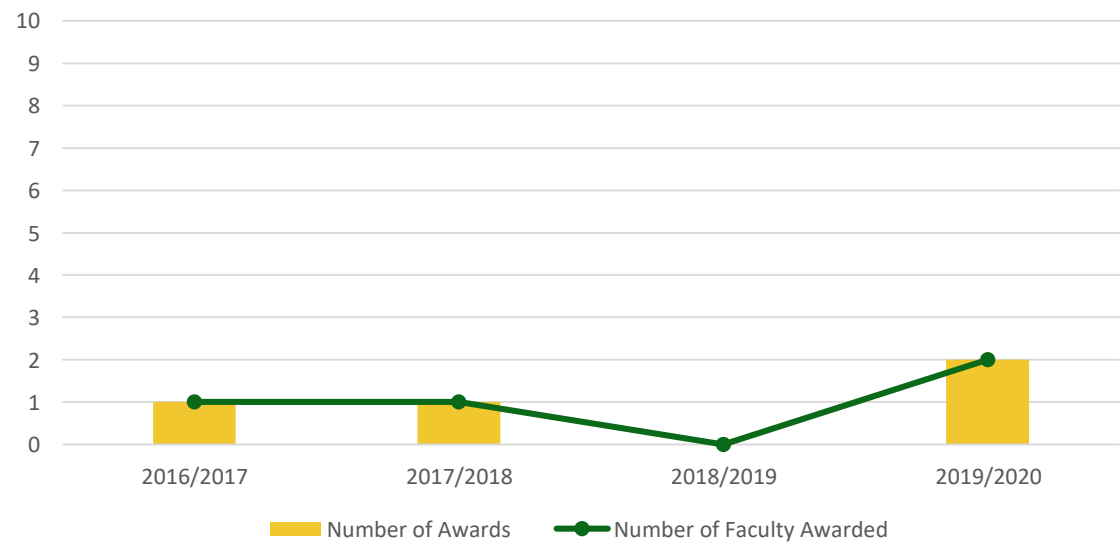
Figure 16.1: Department of Obstetrics and Gynecology Research Funding



16.2 Research Projects Awarded

In 2019/2020 Department of Obstetrics and Gynecology faculty received **2** awards, received by **2** unique award recipients.

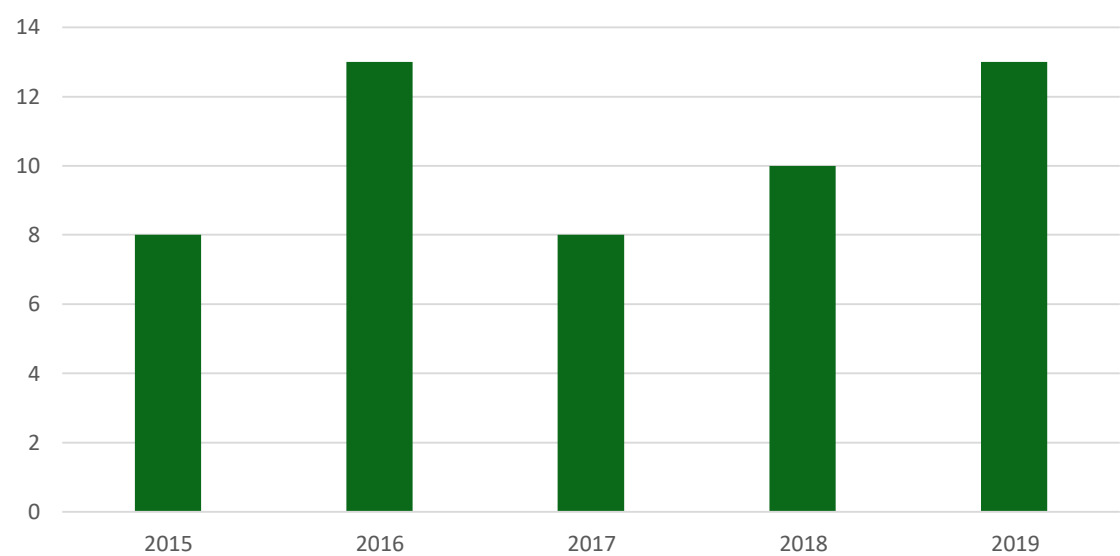
Figure 16.2: Department of Obstetrics and Gynecology Research Projects Awarded



16.3 Publications, Citations and H-index

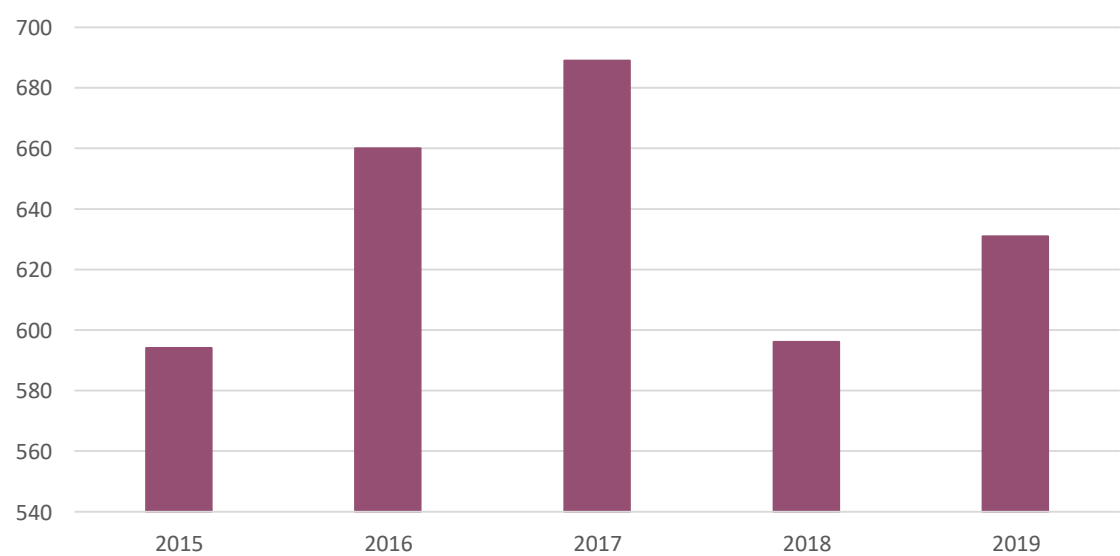
The department produced **13** publications in 2019, with an average of **1.0** publications per research-active faculty.

Figure 16.3: Department of Obstetrics and Gynecology Annual Publication Count



Researchers received **631** citations in 2019, and an average citation count per research-active faculty of **48.5**.

Figure 16.4: Department of Obstetrics and Gynecology Annual Citation Count



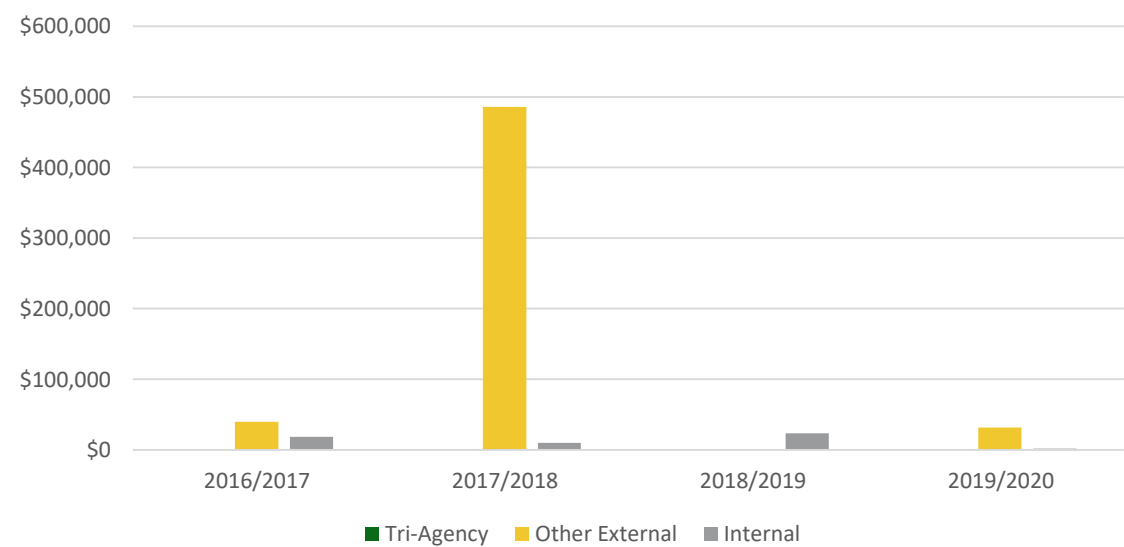
In 2019, the Department of Obstetrics and Gynecology’s **13** research-active faculty achieved a combined 5-year total h-index of **40**. The average 5-year total h-index per research-active faculty is **3.1**.

17. Department of Physical Medicine and Rehabilitation

17.1 Research Funding

In the 2019/2020 fiscal year, Department of Physical Medicine and Rehabilitation researchers were awarded a total of **\$32,974.72**.

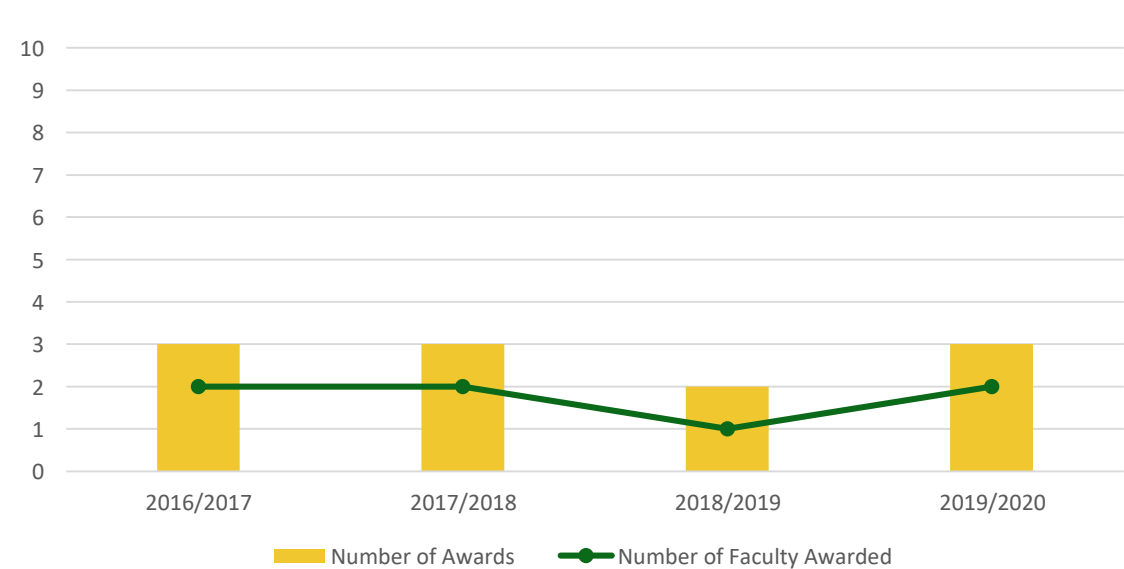
Figure 17.1: Department of Physical Medicine and Rehabilitation Research Funding



17.2 Research Projects Awarded

In 2019/2020 Department of Physical Medicine and Rehabilitation faculty received **3** awards, received by **2** award recipients.

Figure 17.2: Department of Physical Medicine and Rehabilitation Research Projects Awarded



17.3 Publications, Citations and H-index

The department produced **8** publications in 2019, with an average of **1.3** publications per research-active faculty.

Figure 17.3: Department of Physical Medicine and Rehabilitation Annual Publication Count

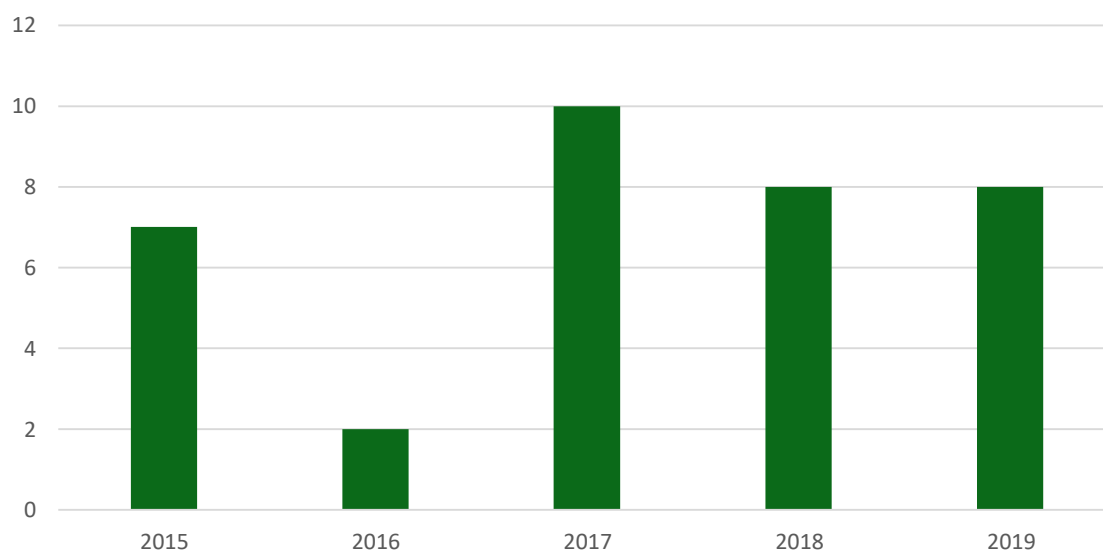
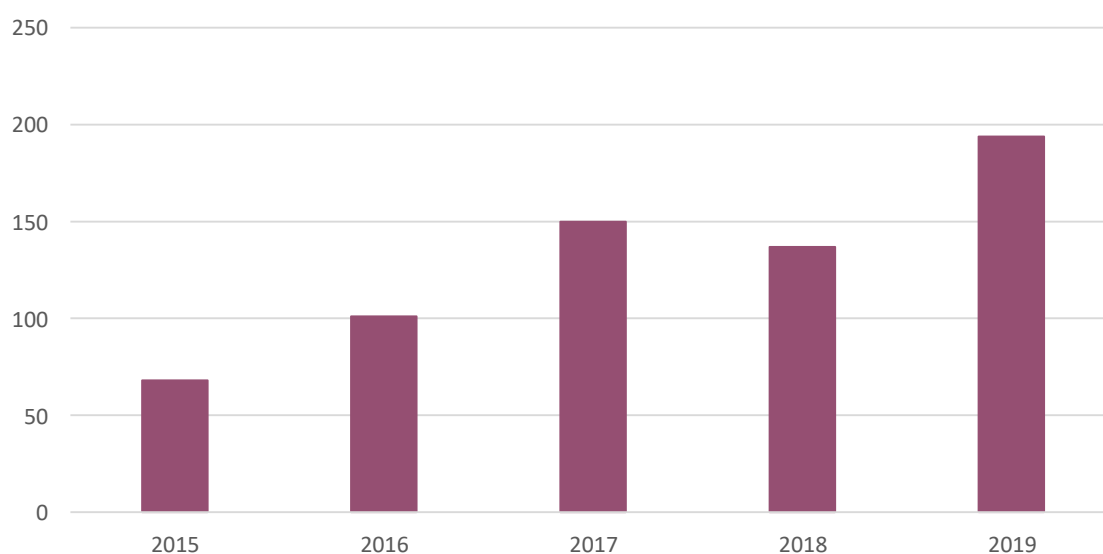


Figure 17.4 shows year-over-year ascending citation counts for Department of Physical Medicine and Rehabilitation faculty. Researchers received **194** citations in 2019, and an average citation count per research-active faculty of **32.3**.

Figure 17.4: Department of Physical Medicine and Rehabilitation Annual Citation Count



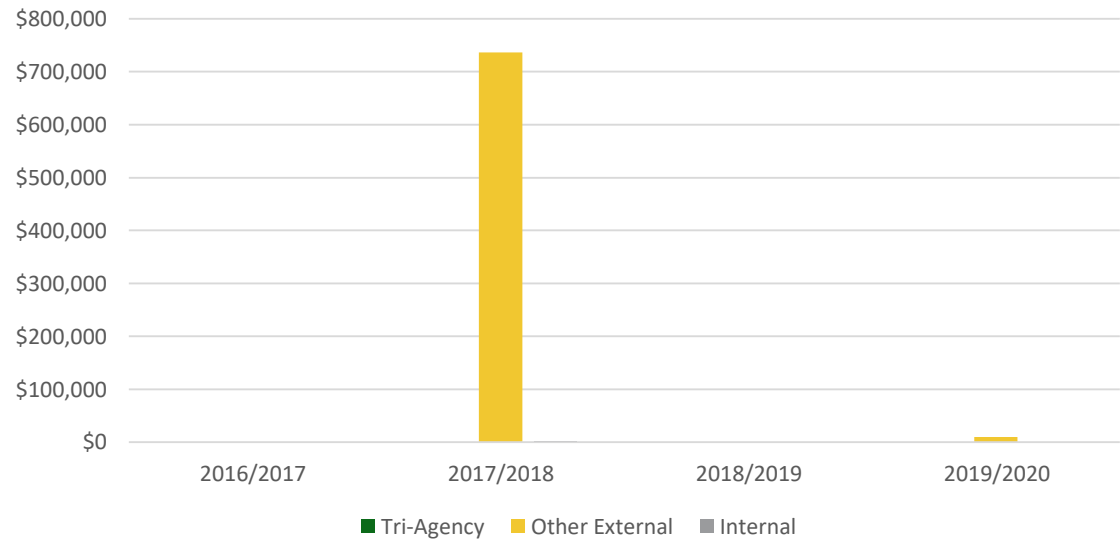
In 2019, the Department of Physical Medicine and Rehabilitation's **6** research-active faculty achieved a combined 5-year total h-index of **21**. The average 5-year total h-index per research-active faculty is **3.5**.

18. Department of Ophthalmology

18.1 Research Funding

In the 2019/2020 fiscal year, Department of Ophthalmology researchers were awarded a total of \$10,000.00.

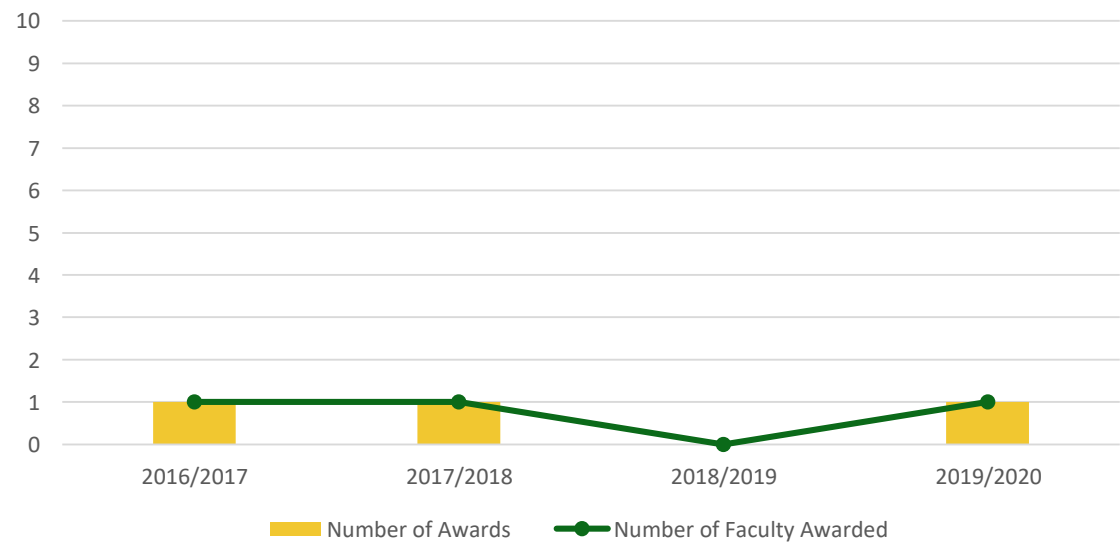
Figure 18.1: Department of Ophthalmology Research Funding



18.2 Research Projects Awarded

Over the past four fiscal years Department of Ophthalmology researchers maintained both the number of awards received (1), and the number of faculty award recipients (1).

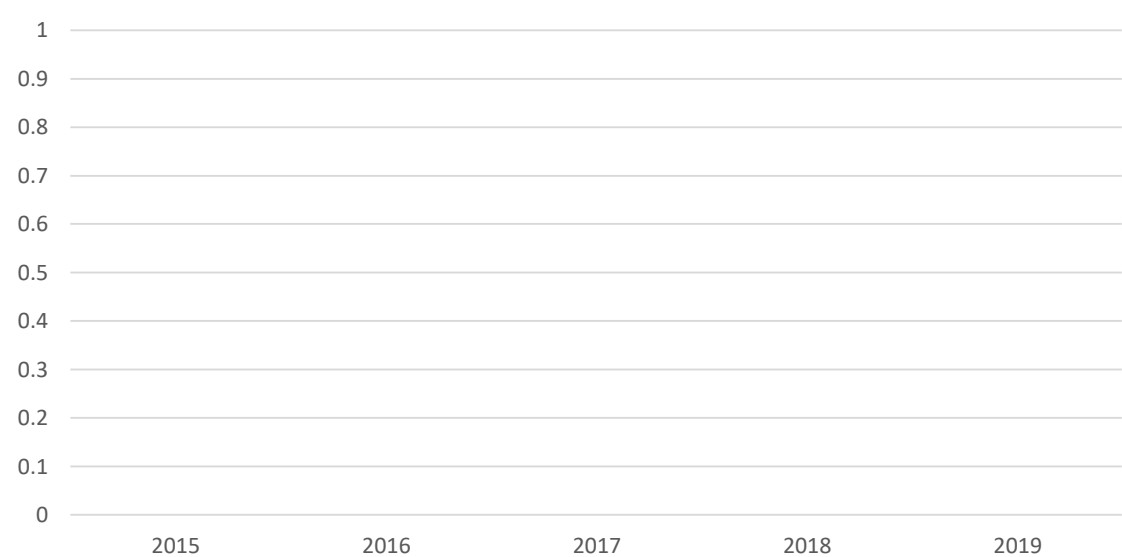
Figure 18.2: Department of Ophthalmology Research Projects Awarded



18.3 Publications, Citations and H-index

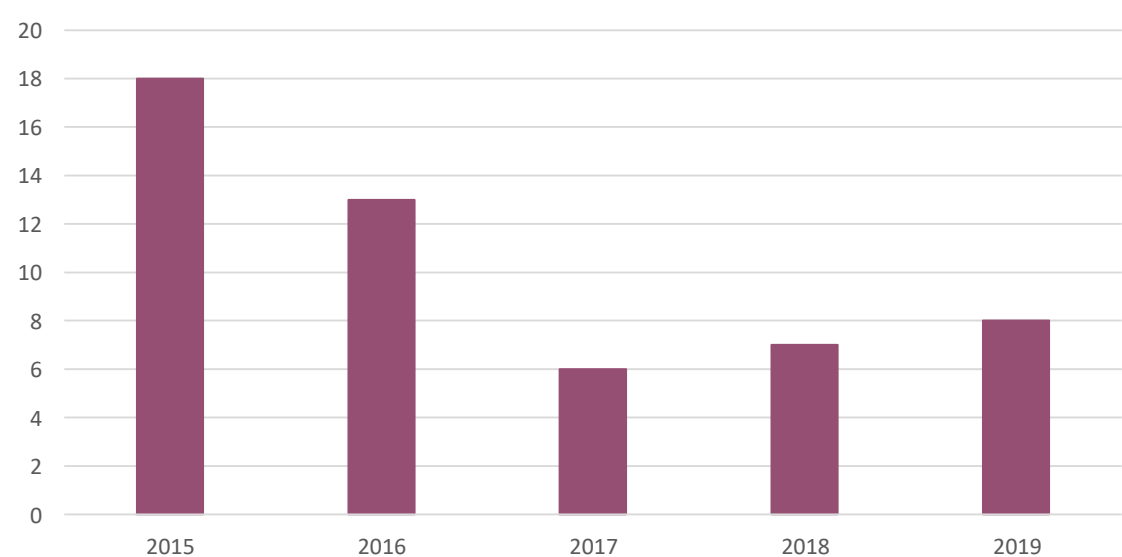
The department produced **0** publications in 2019, with an average of **0.0** publications per research-active faculty.

Figure 18.3: Department of Ophthalmology Annual Publication Count




Researchers received **8** citations in 2019, and an average citation count per research-active faculty of **2.7**.

Figure 18.4: Department of Ophthalmology Annual Citation Count



In 2019, the Department of Ophthalmology’s **3** research-active faculty achieved a combined 5-year total h-index of **5**. The average 5-year total h-index per research-active faculty is **1.7**.



What now?

Conclusion and Looking Forward

The current report documents the on-going strong performance of our research-active faculty.

In a follow-up report to be published later this year, the OVDR will seek to identify and document other important research metrics and accomplishments of our faculty that are not captured with these traditional research metrics.

Of note, at the time this report is being published (August 2020), our academic community has been working for the last several months under severe limitations imposed by the COVID-19 pandemic. Due to the lag from grant application to results, and the nature of research reporting in general, the true impact of these limitations is likely to be more apparent in 2021.

COVER ART

Helen Tang, 3rd Year UGME Student. *Biking at Sunrise*. 2020.



MEDICINE.USASK.CA/RESEARCH/OVDR.PHP



OVDR@USASK.CA



[@USASK_OVDR](https://twitter.com/USASK_OVDR)