



UNIVERSITY OF TORONTO
FACULTY OF MEDICINE

SYNOPSIS OF RESEARCH ACTIVITIES

**IN THE FACULTY OF MEDICINE
UNIVERSITY OF TORONTO
AND ITS AFFILIATED
TEACHING HOSPITALS**

April 1, 2018 - March 31, 2019

<http://medicine.utoronto.ca/research/research-resources>

Based on RIS data snapshot : December 13, 2019 at 0950 hrs
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About this Report

In 2012 the Faculty of Medicine Research Office (Office of the Vice-Dean for Research, Faculty of Medicine) ceased its publication the hardcopy version of the Synopsis of Research Activities of the Faculty of Medicine and Affiliated Hospitals. In its place, is this abbreviated report – available online – consisting of only the most requested Tables and Graphs.

This report's introductory pages have been reformatted to be screen-friendly (landscape orientation) but the tables and graphs have been retained in pdf format for ease of printing for those who desire a paper copy.

As always we would like to acknowledge the support of Departmental Chairs, Research Directors and UofT/Hospital Research Administrators for providing information on research activities.

We would like to thank collectively the numerous individuals who have contributed in one way or another to producing this report. We look forward to your continued support for next year's report.

TERMS OF REFERENCE

Research funding is summarized in the Synopsis by department and by research location of the principal investigator.*

The following guidelines are used to collect research funding information and assign funds in the research database:

- Research funding information is collected from administration offices located on the University of Toronto campus and at the affiliated teaching hospitals for grants and awards received during the period **April 1, 2018- March 31, 2019**.
- Information is collected on investigators who hold a Faculty of Medicine appointment.
- These data are assigned to a principal investigator as identified by the grant application.
- An investigator's research funding information is linked to their primary departmental affiliation and to a primary research location as identified on the grant application.
- Under exceptional conditions, funds may be assigned to a department in which a principal investigator holds a cross appointment.
- This summary includes only research grants captured in the University's Research Information System (RIS) and starting with the 2016-17 report, CFI/ORF awards are represented as a separate source category (column).
- Research funding that remains unexpended during a given report period is not carried forward to subsequent reports.
- The data used to generate this report (unless otherwise indicated) was **based on an RIS 'by-Location' Report download (data snapshot) initiated at 0950hrs of December 13, 2019..**
- All calculations were done using validated programs in SAS statistical Software version 9.4

* In practice, research funds are administered through the departments of all investigators, both principal and co-investigator, involved in a research project. The resource allocation contained in this summary may differ from departmental reports.

Table 1
FACULTY OF MEDICINE - UNIVERSITY OF TORONTO
Summary of Department Research Funding vs Sponsor in THOUSANDS of Dollars
 April 2018 - March 2019

DEPARTMENT	Total	CIHR	NSERC	NCIC	HLTH CAN	MOH	HSFO/C	SSHRC	INDUS	OTHER	CFI/ORF ¹	# of Awards
BASIC												
Donnelly Centre (f/c BBDMR)	28,634	8,811	269	0	0	0	0	0	1,633	11,041	6,881	121
Biochemistry	27,202	8,924	1,335	0	0	0	76	0	444	13,637	2,787	324
Biomat & Biomed Eng	3,306	286	149	0	0	0	32	0	106	2,679	55	42
Immunology	15,441	5,823	226	246	0	0	0	0	1,247	6,905	994	250
Medical Biophysics	69,478	17,253	1,418	292	0	0	237	0	3,531	42,018	4,728	719
Molecular Genetics	92,778	23,199	1,931	267	0	0	98	0	4,542	42,055	20,685	768
Nutritional Sciences	4,845	1,988	227	0	10	0	0	0	1,025	1,515	80	134
Pharmacology	8,050	2,692	173	0	0	209	11	0	425	4,467	74	226
Physiology	28,295	10,273	762	0	0	0	437	0	81	14,126	2,616	348
SUB-TOTAL	278,029	79,249	6,490	805	10	209	891	0	13,034	138,443	38,900	2,932
CLINICAL												
Anesthesia	9,465	1,885	0	0	0	730	8	0	1,082	5,760	0	155
Family & Community Medicine	17,603	2,233	0	0	354	8,170	0	48	125	6,673	0	144
Lab. Medicine & Pathobiology	39,096	8,506	441	241	0	0	416	0	4,267	21,714	3,511	476
Medical Imaging	7,485	459	130	16	0	0	44	0	777	6,058	1	144
Medicine	229,927	36,915	329	1,543	1,176	3,308	4,844	0	52,871	116,965	11,976	2,599
Obstetrics & Gynaecology	7,394	2,626	30	134	0	0	0	0	521	4,083	0	95
Occupational Therapy	13,035	1,101	0	0	0	0	59	388	8	11,480	0	305
Ophthalmology And Vision Sci	6,645	388	160	0	0	0	0	0	275	5,822	0	95
Otolaryngology	3,056	206	0	0	0	0	0	0	573	2,277	0	43
Paediatrics	71,378	17,160	162	0	0	89	224	0	6,948	44,829	1,966	1,028
Physical Therapy	4,548	1,608	63	0	0	89	381	53	30	2,209	115	286
Psychiatry	57,563	12,698	127	0	0	47	96	167	2,446	41,274	708	487
Radiation Oncology	61,937	1,740	117	367	0	0	0	0	1,335	47,123	11,256	275
Speech-Language Pathology	3,873	179	81	0	0	5	0	55	324	3,218	11	109
Surgery	81,990	13,969	368	398	0	887	761	0	8,531	55,608	1,468	997
SUB-TOTAL	614,995	101,673	2,008	2,699	1,530	13,325	6,833	711	80,113	375,093	31,012	7,238
Other	17,276	778	268	0	0	521	0	0	2,765	12,626	318	599
TOTAL	910,300	181,700	8,766	3,504	1,540	14,055	7,724	711	95,912	526,162	70,230	10,769
GRAND TOTAL²	910,300 (x \$1000)											10,769

¹ Starting in 2016-17, CFI and ORF funding, previously excluded from Departmental totals is now displayed as a separate sponsor category.

² Excludes \$23,770,617 from the Federal Indirect Costs Program awarded to affiliate hospitals.

Table 4
FACULTY OF MEDICINE - UNIVERSITY OF TORONTO
Summary of Location Research vs Sponsor (Funding Source) in THOUSANDS of Dollars
April 2018 - March 2019

HOSPITAL	Total	CIHR	NSERC	NCIC	HLTH CAN	MOH	HSFO/C	SSHRC	INDUS	OTHER	CFI/ORF ³	# of Awards
Baycrest Centre for Geriatric Care	4,494	786	62	0	0	0	0	0	24	3,622	0	33
Holland Bloorview	6,086	997	140	0	0	0	0	225	151	4,561	11	94
Centre for Addiction and Mental Health	47,060	8,104	102	0	274	8,350	0	84	2,286	27,151	708	266
Hospital for Sick Children	170,618	39,930	2,289	0	0	89	558	0	9,807	103,199	14,746	1,851
Sinai Health System - Mt. Sinai Hospital	65,628	16,974	431	0	0	0	100	0	5,357	30,034	12,732	455
St. Michael's Hospital	66,690	18,071	279	0	1,176	1,127	1,667	36	8,972	35,237	124	769
Sunnybrook Health Sciences Centre	91,039	16,447	800	0	0	395	2,587	0	12,943	47,208	10,659	860
University Health Network	319,137	35,533	959	3,258	0	1,425	1,547	58	49,208	207,451	19,698	2,965
Women's College Hospital	10,140	2,900	0	0	0	2,149	455	0	145	4,491	0	87
Other Hospitals / Institutions ¹	10,206	2,129	0	0	80	0	0	0	440	7,557	0	76
SUB-TOTAL	791,096	141,871	5,062	3,258	1,530	13,535	6,914	403	89,333	470,511	58,678	7,456
Other Locations ²	20	0	0	0	0	0	0	20	0	0	0	1
UofT Campus	119,183	39,828	3,704	246	10	521	808	287	6,579	55,650	11,551	3,312
TOTAL	910,299	181,699	8,766	3,504	1,540	14,056	7,722	710	95,912	526,161	70,229	10,769
GRAND TOTAL	910,299 (x \$1000)											10,769

¹ Research at other affiliated institutions: For a breakdown see Table 4.1

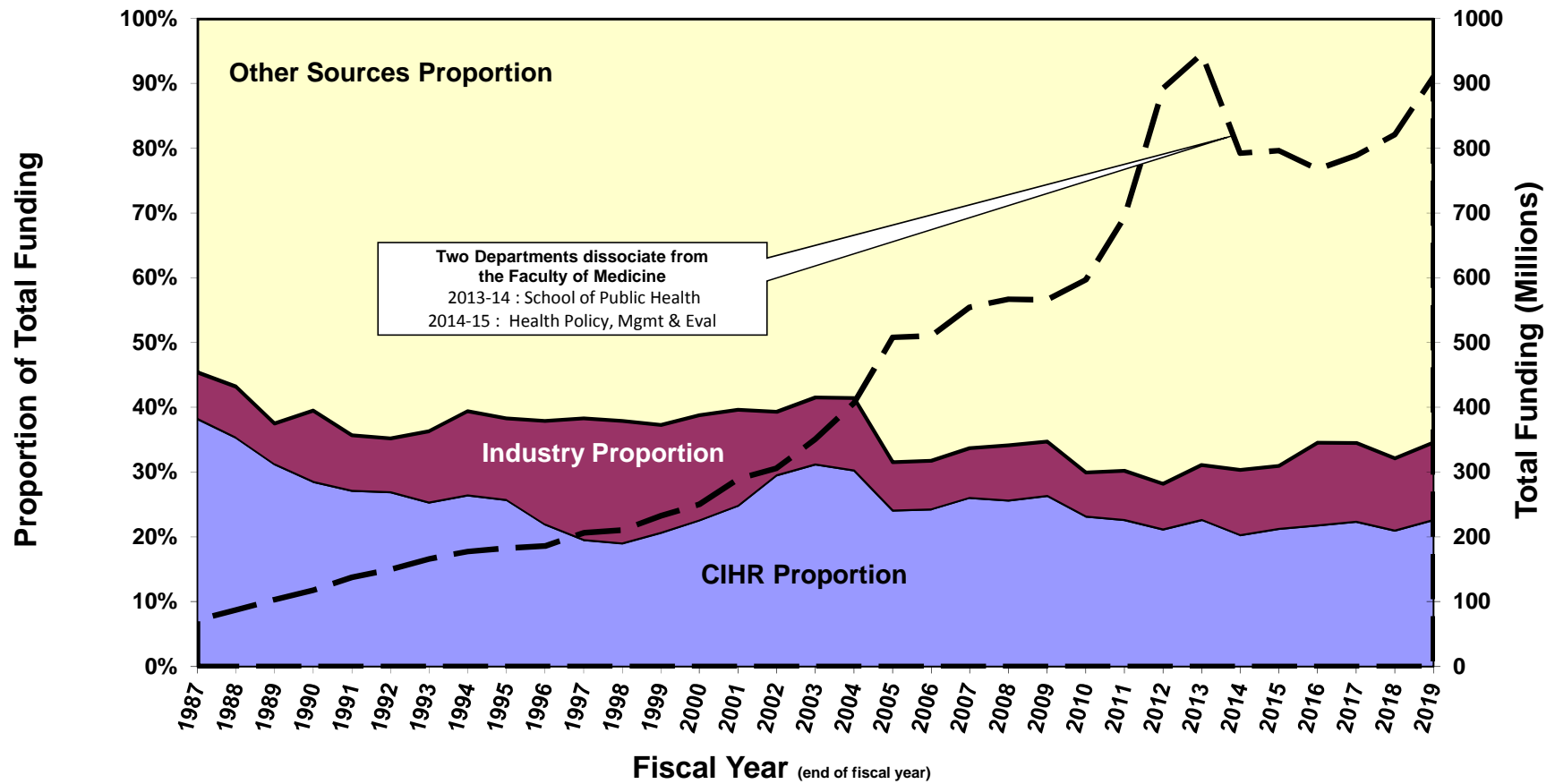
² Research at other locations other than UofT Campus and affiliates.

³ Starting in 2016-17, CFI and ORF funding, previously excluded from hospital totals is now displayed as a separate sponsor category.

Table 4.1
FACULTY OF MEDICINE - UNIVERSITY OF TORONTO
Summary of Other Hospitals / Institutes vs Sponsor (Funding Source) in THOUSANDS of Dollars
 April 2018 - March 2019

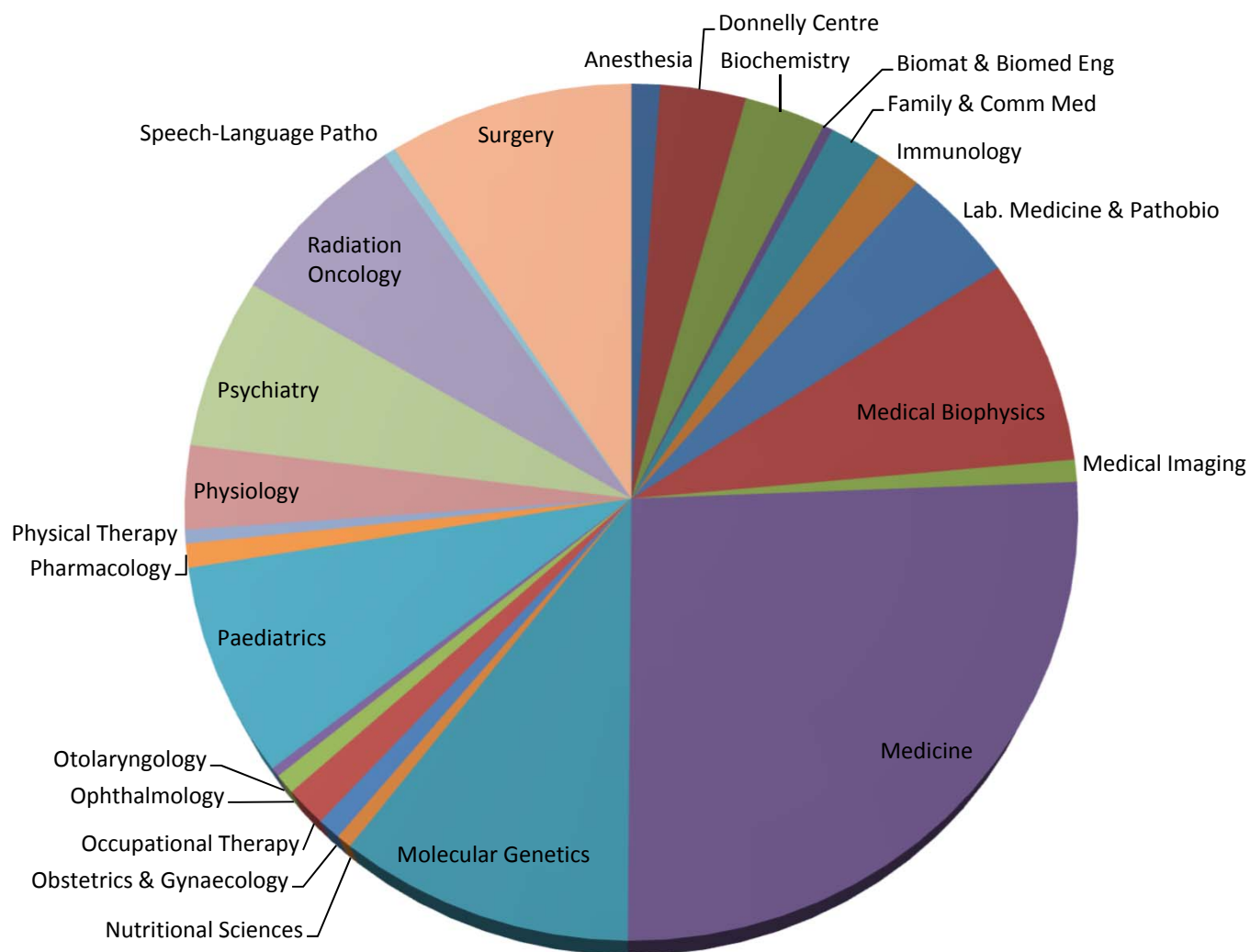
HOSPITAL	Total	CIHR	NSERC	NCIC	HLTH CAN	MOH	HSFO/C	SSHRC	INDUS	OTHER	CFI/ORF³	# of Awards
North York General Hospital	648	250	0	0	0	0	0	0	7	390	0	14
Ontario Agency For Health Protection And Promotion	852	708	0	0	80	0	0	0	0	65	0	6
Ontario Institute For Cancer Research	7,385	1,096	0	0	0	0	0	0	160	6,129	0	32
St. Joseph's Health Centre	42	0	0	0	0	0	0	0	27	15	0	3
Trillium Health Partners	1,279	75	0	0	0	0	0	0	246	958	0	21
TOTAL	10206	2129	0	0	80	0	0	0	440	7557	0	76

Figure 1
FACULTY OF MEDICINE - UNIVERSITY OF TORONTO
 Comparison of Research Funding By Sponsor Source: 1987 to 2019

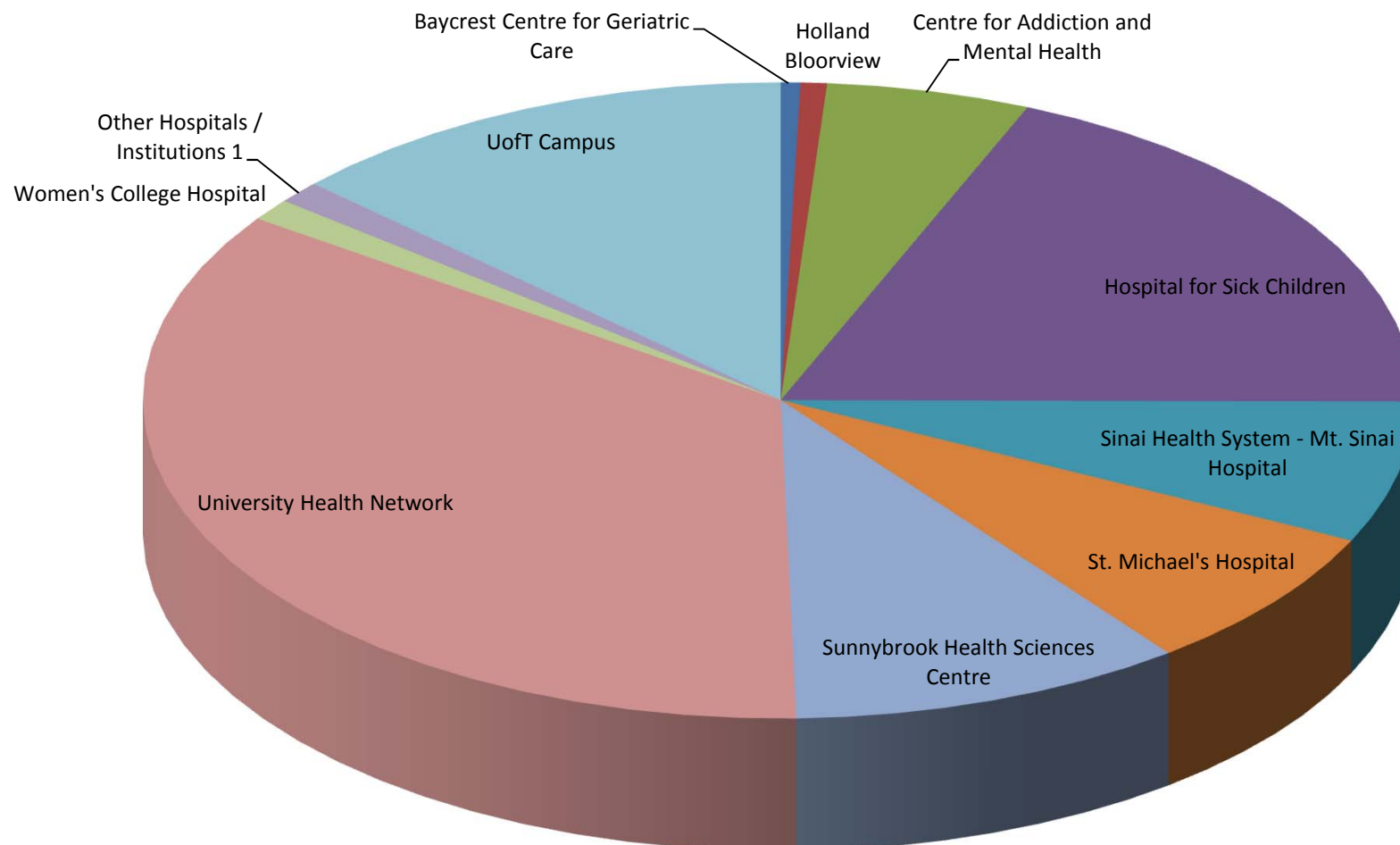


FACULTY OF MEDICINE - UNIVERSITY OF TORONTO

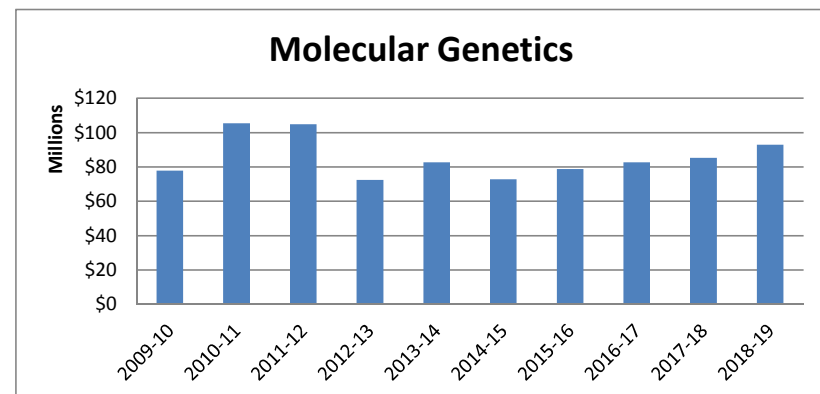
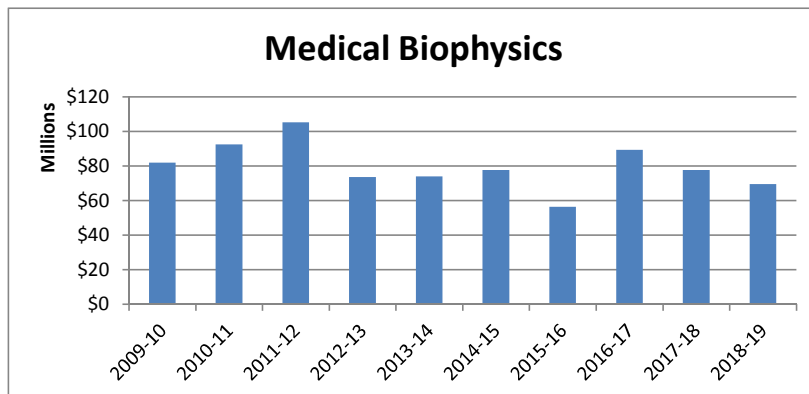
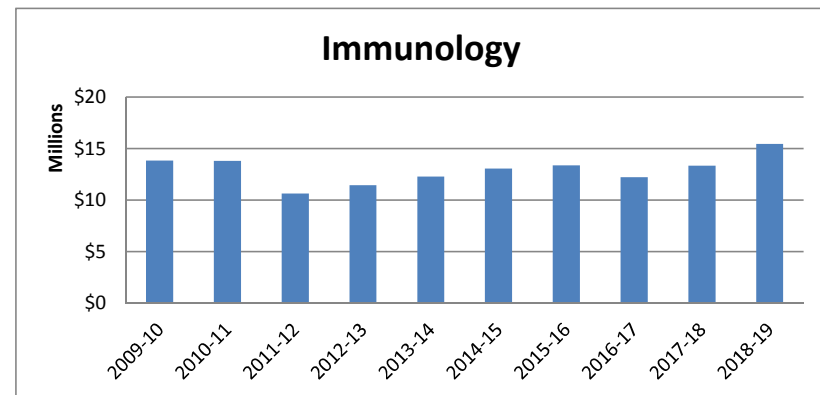
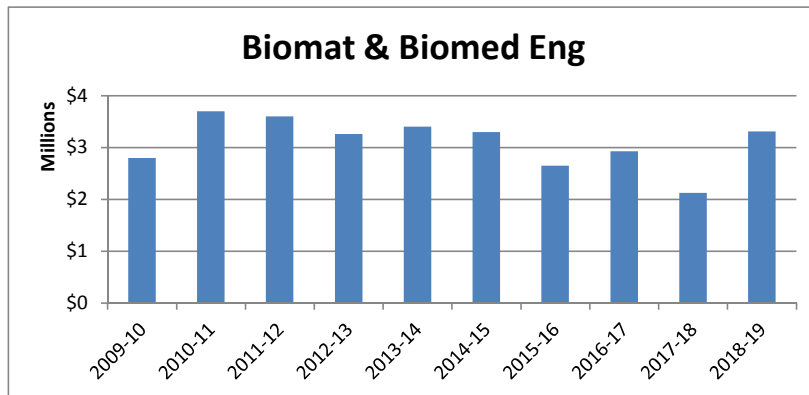
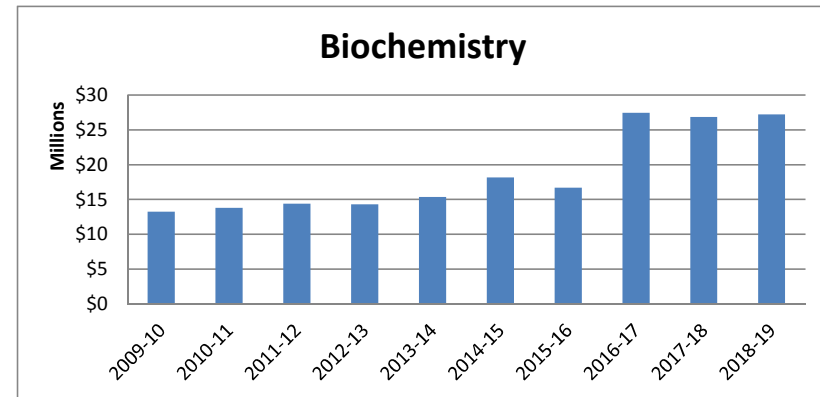
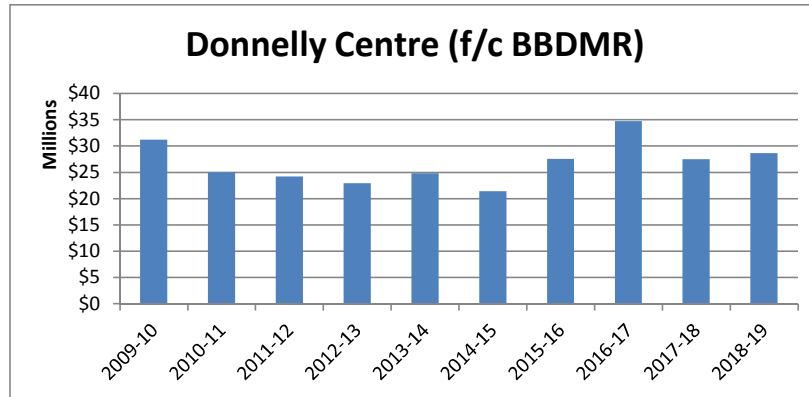
Proportion of Total 2018-19 Funding by Department

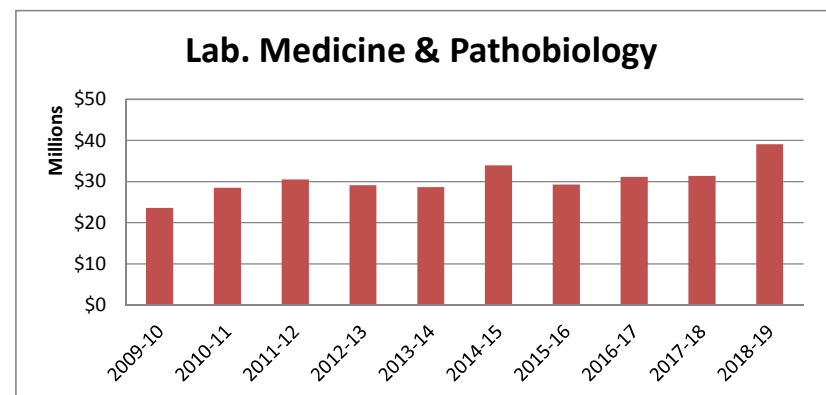
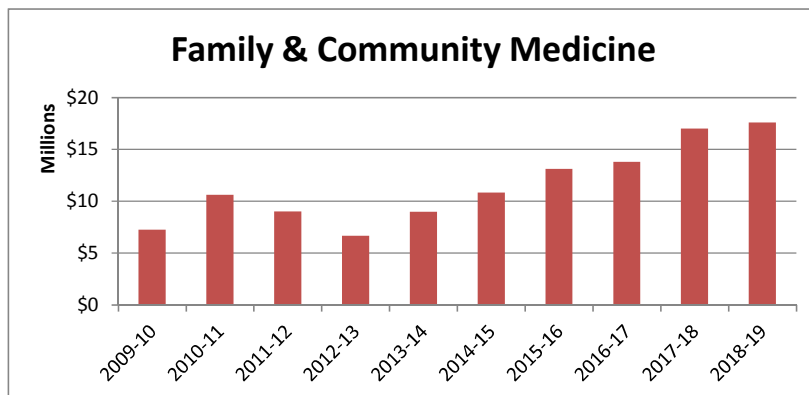
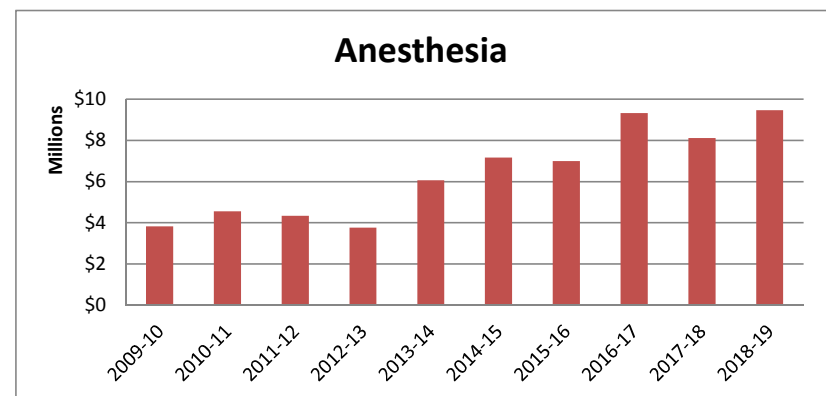
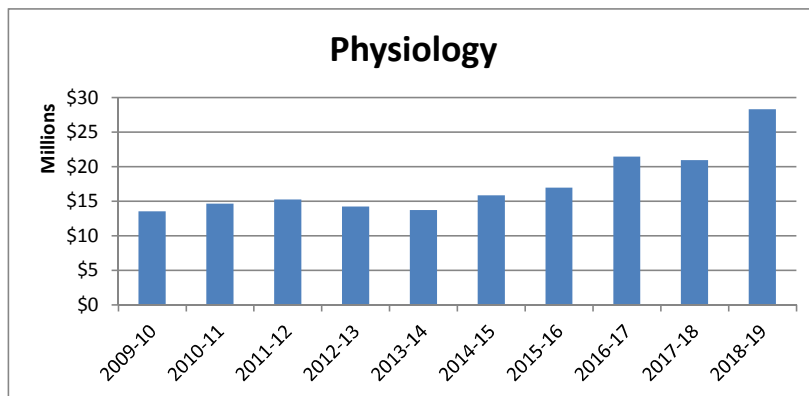
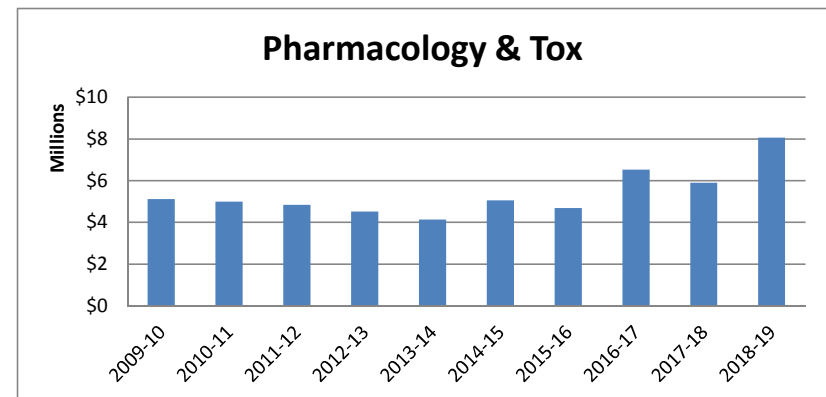
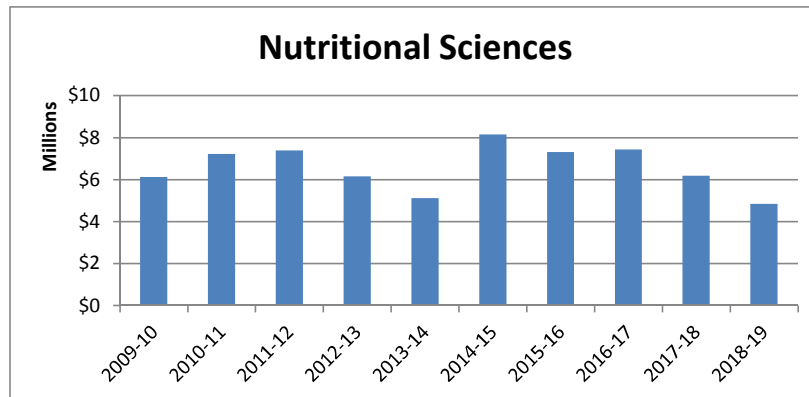


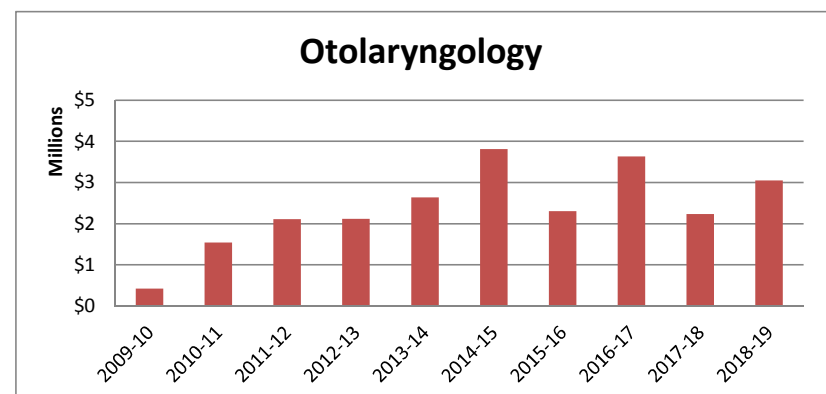
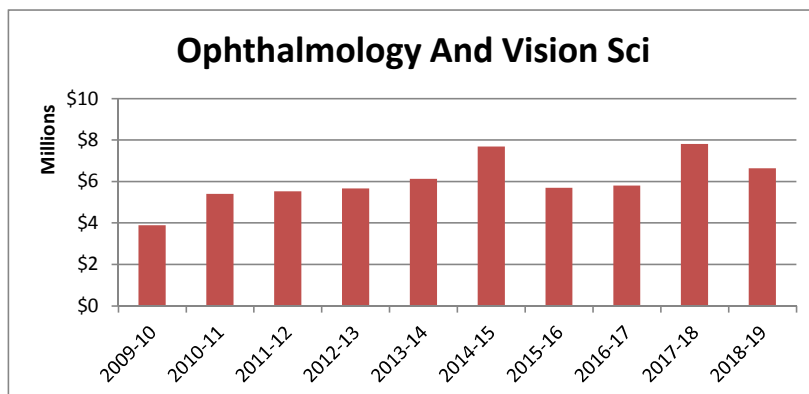
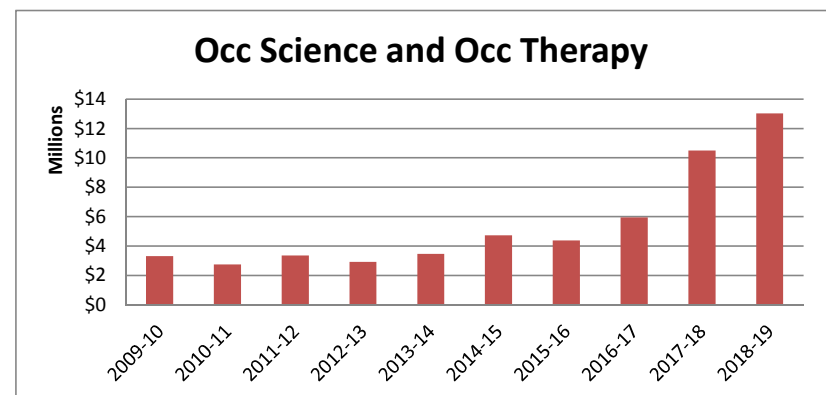
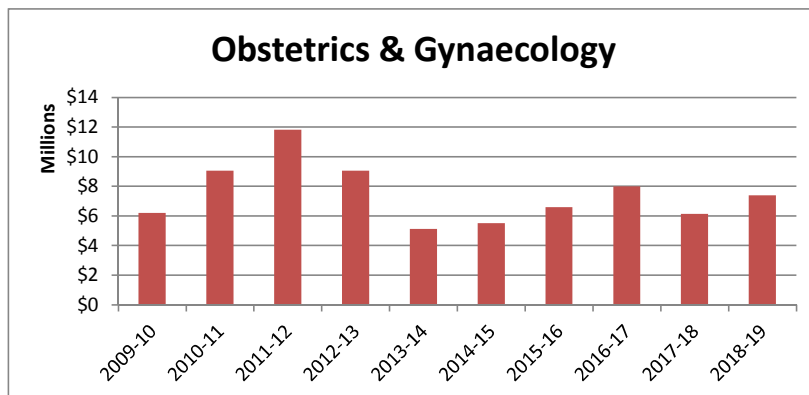
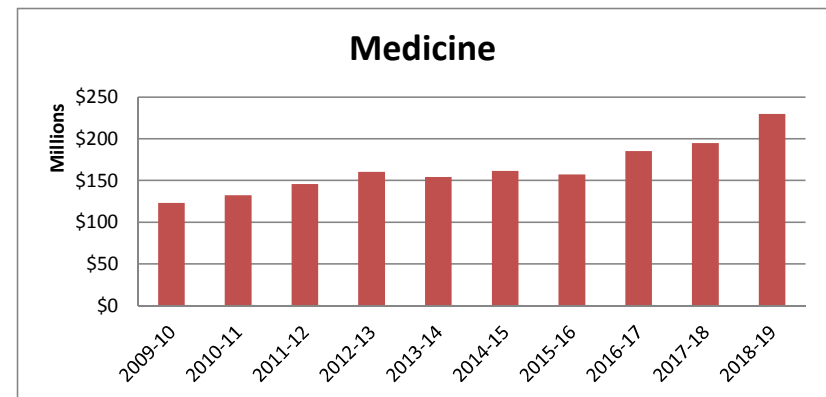
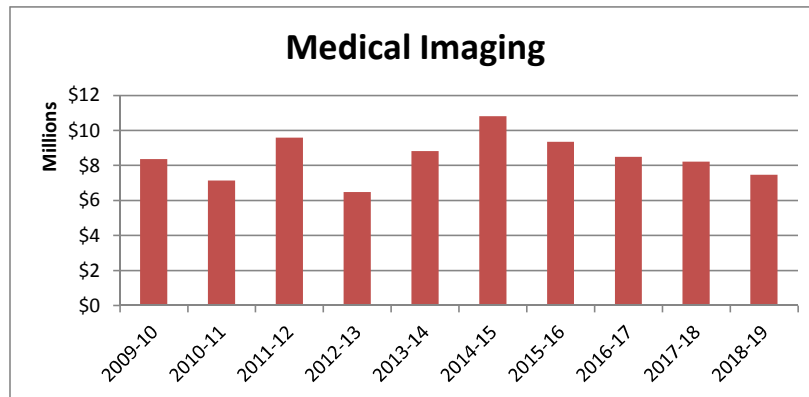
FACULTY OF MEDICINE - UNIVERSITY OF TORONTO
Total Research Dollar Distribution by Location of Research for 2018-19

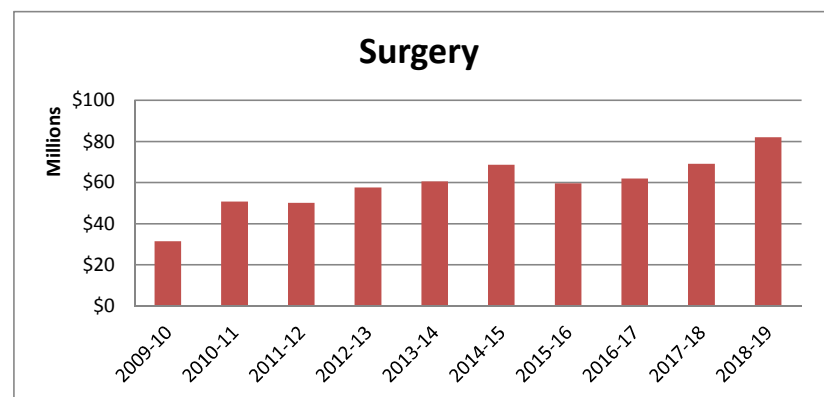
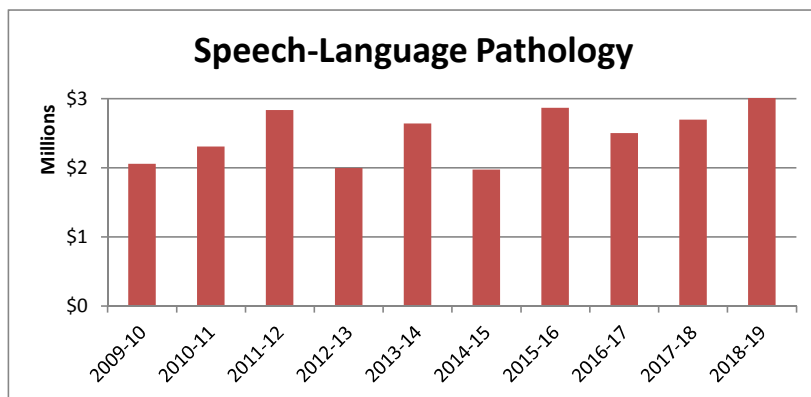
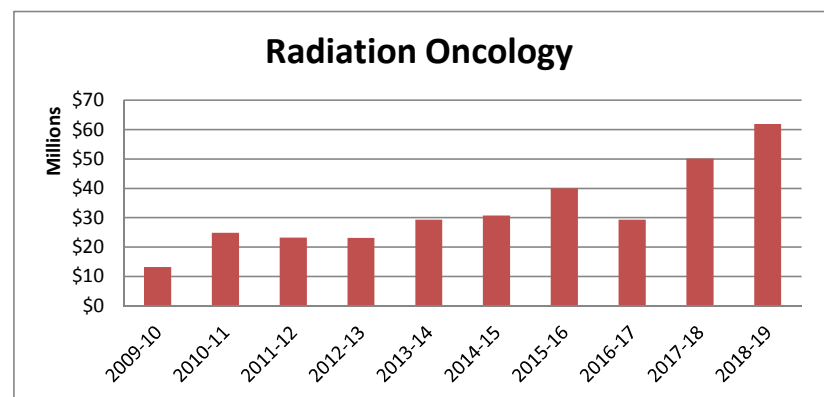
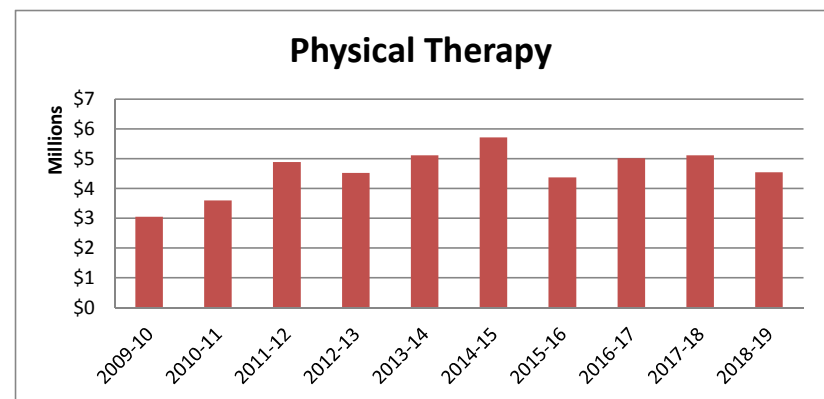
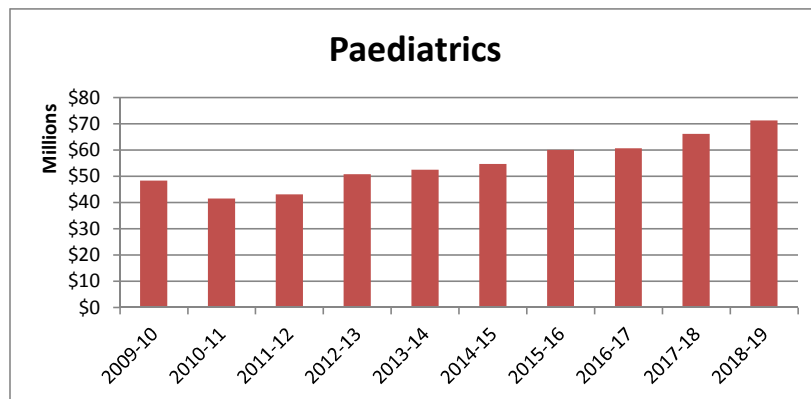


Ten-Year Trends By Department in Millions of Dollars

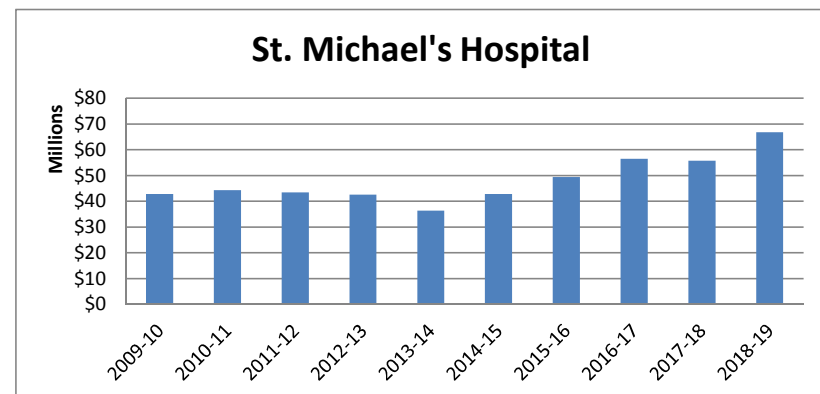
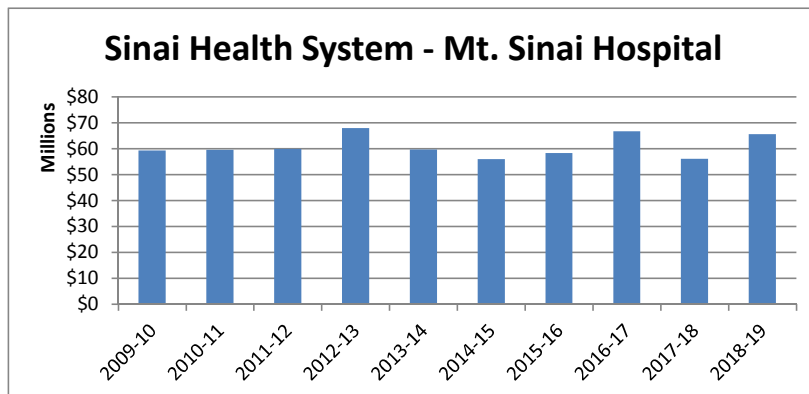
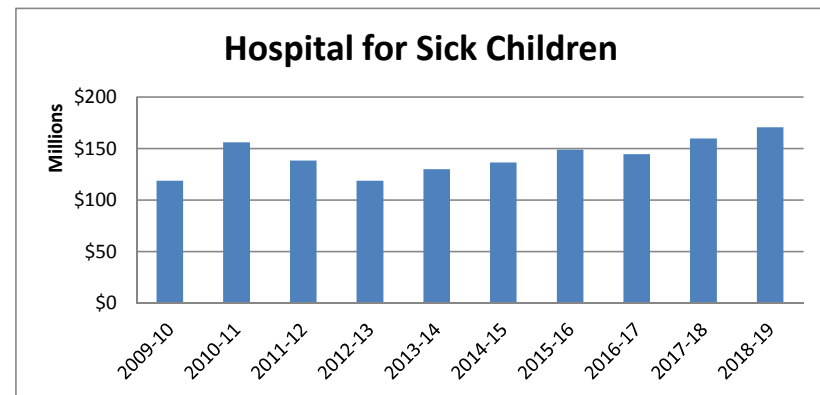
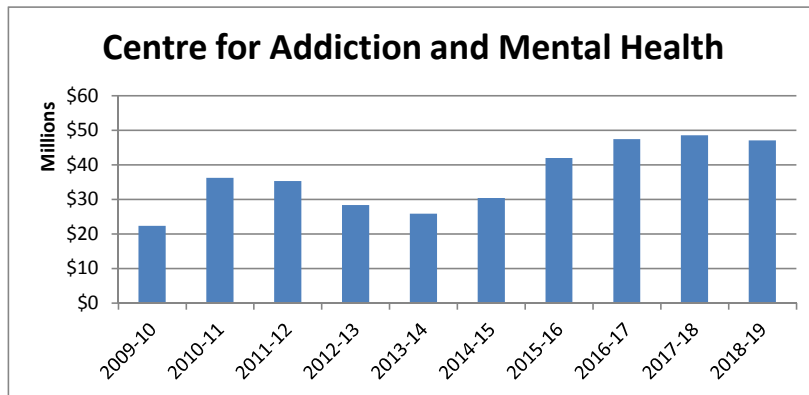
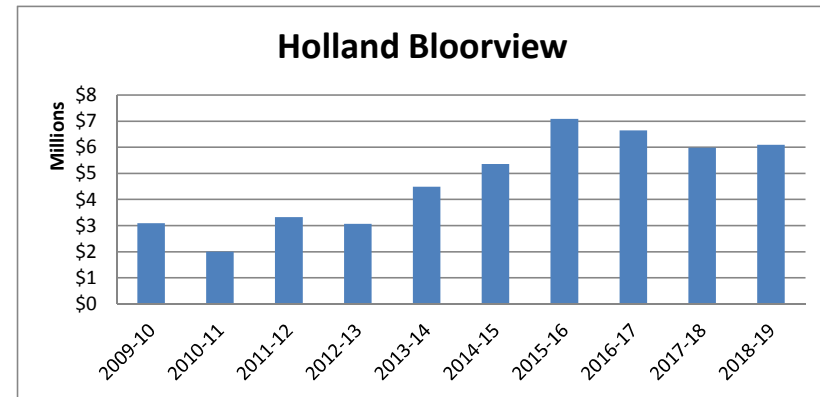
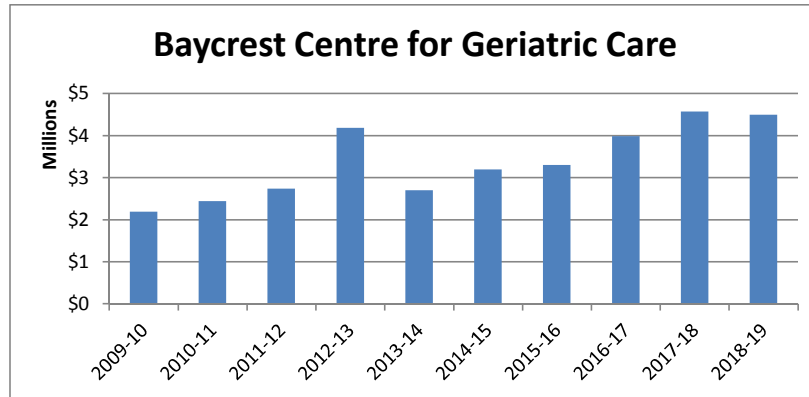


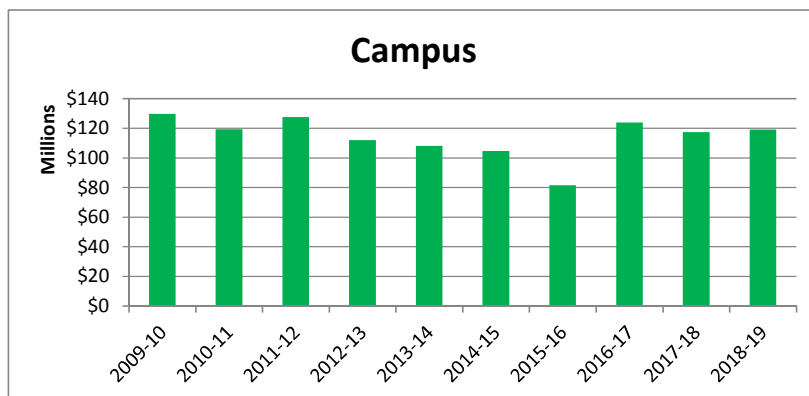
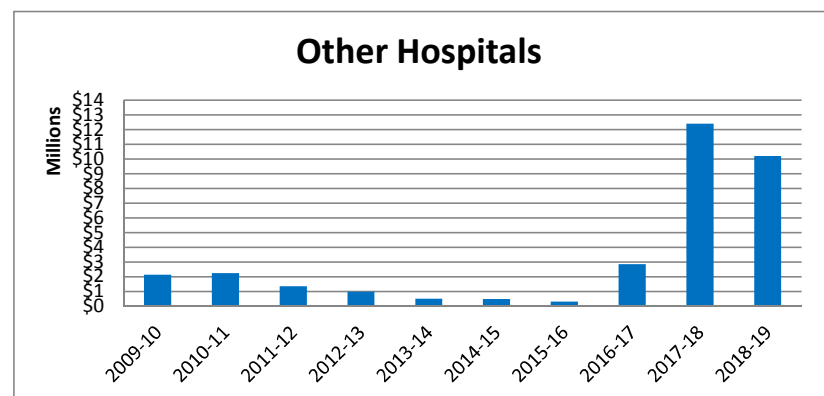
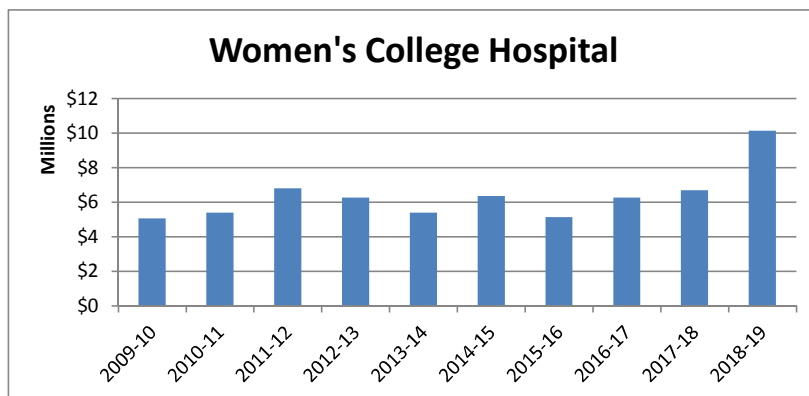
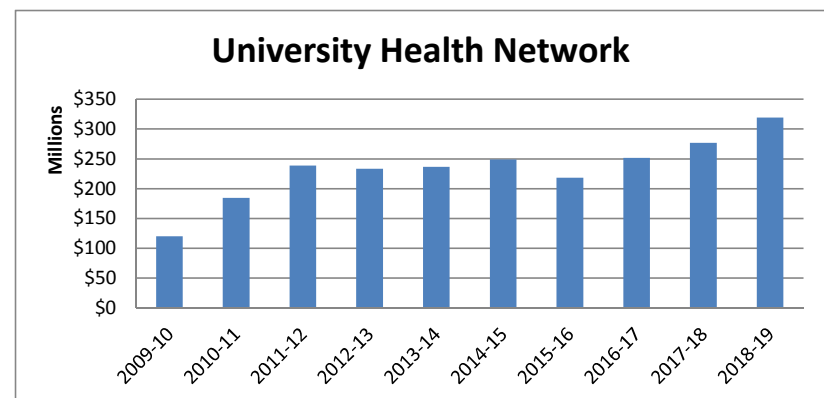
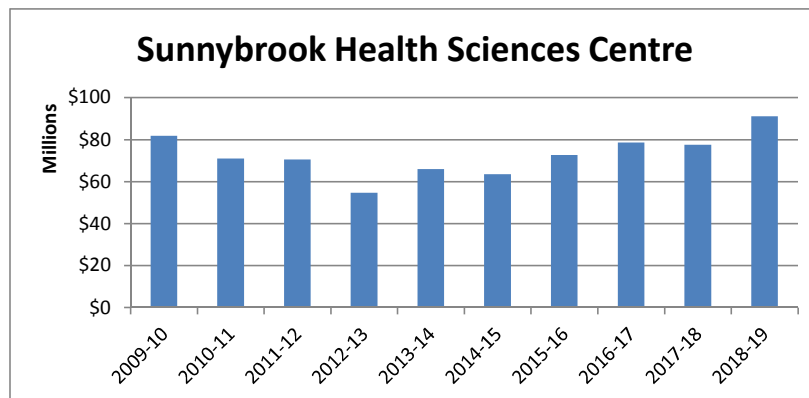






Ten-Year Trends By Location in Millions of Dollars





Research at non fully-affiliated institutions: IWH, NYG, OAHPP, OICR, THP
 2017-18 includes data collection from NYG, OICR and THP

- IWH - Institute for Work and Health
- NYG - North York General
- OAHPP - Ontario Agency for Health Protection and Promotion
- OICR - Ontario Institute for Cancer Research
- THP - Trillium Health Partners

Note that vertical axes are scaled to each individual location.