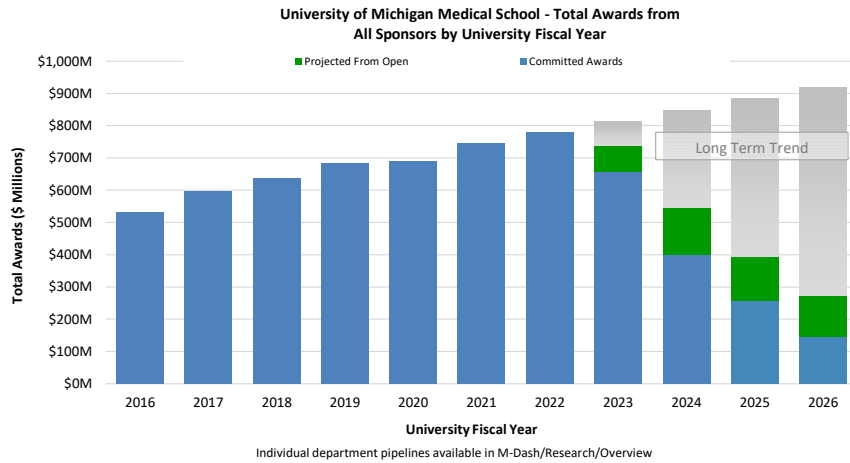


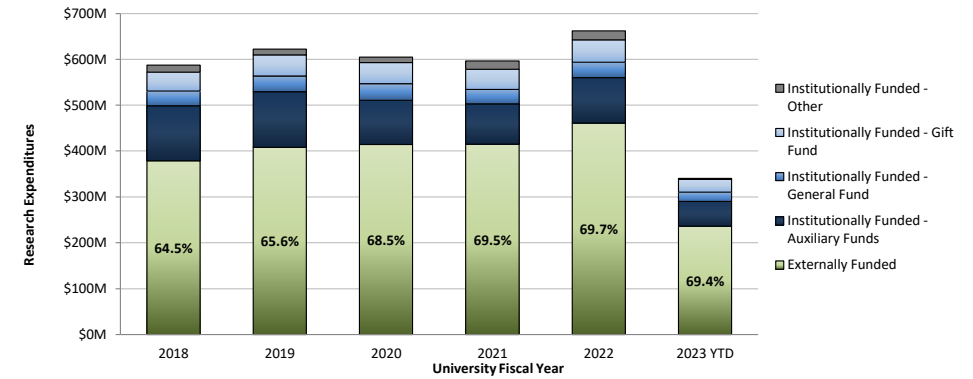
State of Research

UMMS Externally Funded Awards & Pipeline (1/16/2023)



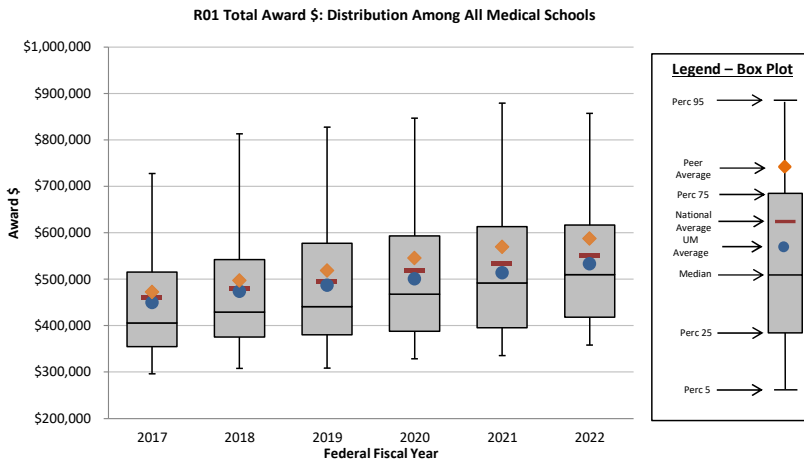
Additional metrics for the Office of Research units available at: <http://www.med.umich.edu/u/medschool/research/state-of-research>
 Looking for aggregate department metrics? Log on to M-Dash: <https://www.umms.med.umich.edu/mdash/login-display.do>
 Looking for detailed metrics by department & individual? Log on to M-Stat: <https://www.umms.med.umich.edu/mstat/start.htm>

UMMS Direct Research Expenditures (excluding Transfers & Distributions Expenditures; 12/31/2022)



*Externally Sponsored Research Expenditures defined by all expenditures made in fund codes 20000 & 25000
 **Institutionally Funded Research Expenditures defined by expenditures made in class codes: 21000, 22000, 22100, 22200, & 31200 and all fund codes not equal to 20000 & 25000.
 ***Institutionally Funded - Other Expenditures include expenditures made in : Designated, Consolidated, Department Equipment, and Agency Funds.

External Benchmarking (12/22/2022)



*Peer institutions are determined by FFY 2021 rank bands based on total award \$ (excluding contracts).

Success Rates and Submissions (1/16/2023)

	2018	2019	2020	2021	2022	2023 YTD
Submissions to Start in Univ. FY	2,819	2,904	2,751	2,964	2,991	2,293
Submissions (All Sponsors)	2,819	2,904	2,751	2,964	2,991	2,293
Success Rate (All Sponsors)	43%	44%	43%	44%	44%	24%
NIH Submissions (All Activity)	907	897	868	975	988	864
NIH Success Rate (All Activity)	27%	27%	28%	28%	29%	17%
R01 Submissions	450	451	464	471	520	451
R01 Success Rate	23%	21%	21%	21%	24%	12%

*Submissions are sorted into University Fiscal Year by proposed project start date.

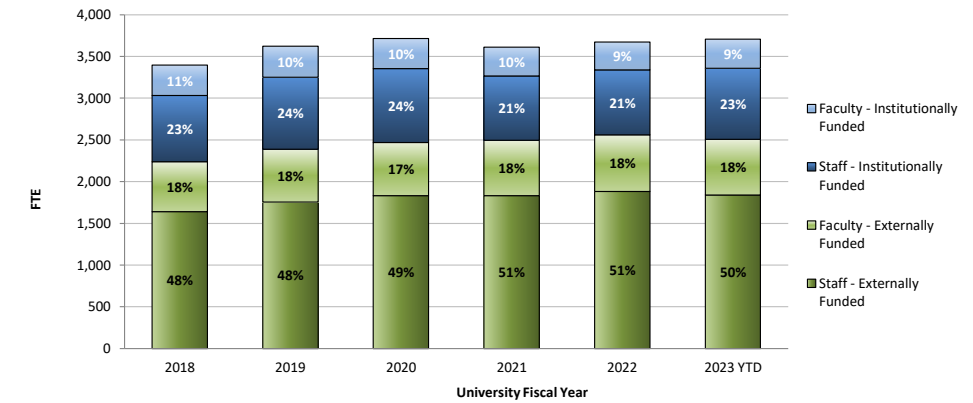
Output, Influence, and Recognition

Publications (Michigan Research Experts; 1/19/2023)

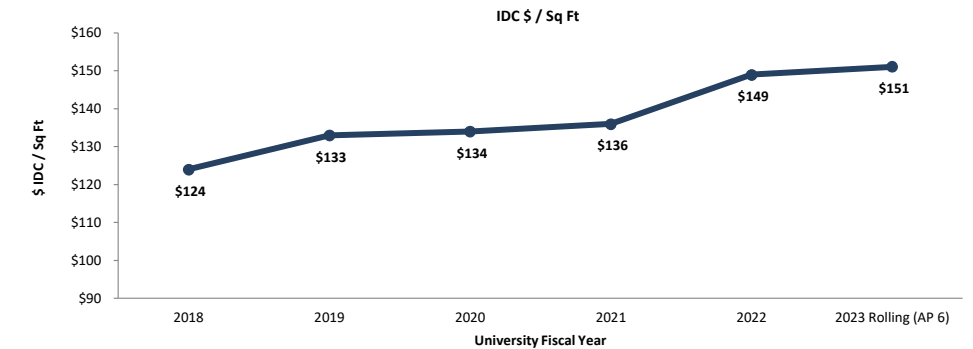
Calendar Year	2017	2018	2019	2020	2021	2022 YTD
Publications	5,876	6,577	6,923	8,951	11,192	11,013

Publication counts do not truly "finalize" due to authors joining/leaving institutions. For this metric, previous calendar years are considered "final" in May of the following calendar year as this is when the amount of new publications attributed to a year drops sharply.

UMMS Research Mission FTEs (12/31/2022)



UMMS Space Productivity (12/31/2022)



	2018	2019	2020	2021	2022	2023 Rolling (AP 6)
IDC Expenditure \$ in Research Space	\$114,525,308	\$123,138,581	\$124,140,683	\$126,451,949	\$140,074,150	\$142,660,760
12-Month Avg Sq Ft (Research Space)	927,019	928,679	925,625	929,311	941,439	942,028

State of Research - View by Department

Output, Influence, and Recognition

Basic Science Departments	Publications (Scopus Count)			
	2020	2021	2022 CYTD	2017-2021
Biological Chemistry	137	126	129	
Biomedical Engineering - MS	429	424	431	
Cell and Developmental Biology	217	246	225	
DCMB	421	466	363	
Department of Learning Health	229	284	255	
Human Genetics	220	235	191	
Microbiology and Immunology	300	307	291	
Molec & Integrative Physiology	441	428	371	
Pharmacology	415	279	282	
Clinical Departments				
Anesthesiology	306	432	481	
Cardiac Surgery	222	330	355	
Dermatology	167	209	313	
Emergency Medicine	308	392	369	
Family Medicine	179	272	253	
Internal Medicine	3257	3989	3946	
Neurology	490	638	593	
Neurosurgery	278	336	315	
Obstetrics/Gynecology	451	551	545	
Ophthalmology	209	349	326	
Orthopaedics	294	332	341	
Otolaryngology	244	397	318	
Pathology	629	762	688	
Pediatrics	837	976	1029	
Physical Medicine and Rehab	124	241	262	
Psychiatry	657	830	833	
Radiation Oncology	346	476	461	
Radiology	666	848	746	
Surgery	878	1102	1091	
Urology	444	507	495	
Other Med School Departments				
Cancer Center*	2887	2501	2603	
Eisenberg Family Depression Ctr	0	0	0	
IHPI	3831	4625	4500	
MNI*	77	82	88	
Research Oversight Units				
BRCF Roll-Up	0	0	0	
Food Allergy Center	37	53	39	
MI Nanotechnology Institute	0	0	0	
MICHR Roll-up	0	0	0	
ULAM	44	54	41	
Med. Sch. Total (Incl. MSA, Other)	8951	11192	11013	

Notes: *Count of unique publications are attributed only to a faculty member's current administrative appointment as defined in M-Pathways HR Records; Department publication totals do not reflect publications by faculty with secondary appointments; Department totals do not add up to the School total due to co-authorships counting in multiple departments; Source: Michigan Research Experts (2018 and later); Effective 1/19/23.

Leading Indicators of Financial Performance

Awards (\$ Millions)			
2021	2022	2023 YTD	2018-2022
9.3	12.0	6.8	
5.5	7.2	4.4	
12.0	11.8	10.8	
12.1	11.1	8.1	
2.1	3.2	2.5	
10.4	8.7	6.4	
20.4	28.1	21.1	
19.7	21.3	15.1	
15.8	15.0	13.0	
Clinical Departments			
26.7	25.9	28.0	
5.5	6.5	6.7	
8.2	8.5	7.8	
26.2	20.8	15.4	
4.2	3.5	2.2	
242.0	269.2	222.8	
42.8	32.4	26.4	
4.3	5.5	3.5	
7.5	7.3	7.2	
17.0	19.0	17.6	
3.6	4.6	4.9	
7.4	6.5	5.6	
33.9	29.4	26.6	
34.0	42.1	35.9	
4.9	6.1	7.5	
46.1	42.8	38.2	
7.3	9.2	7.6	
17.7	19.6	12.0	
37.2	47.2	48.5	
10.9	11.3	10.5	
Other Med School Departments			
9.4	8.8	2.1	
0.1	0.0	0.0	
0.4	0.4	0.4	
11.7	10.1	10.1	
Research Oversight Units			
3.1	5.9	2.7	
2.5	1.9	0.6	
0.0	0.8	0.7	
14.8	5.0	6.4	
0.2	0.3	1.9	
746.5	780.1	657.3	

Lagging Indicators of Financial Performance

Space Productivity (IDC \$/Sq Ft)			
2021	2022	2023 R	2018-2023 R
88	112	107	
83	126	136	
131	131	121	
218	203	229	
310	327	382	
96	107	102	
123	147	154	
117	125	129	
102	102	100	
Clinical Departments			
343	368	369	
145	150	155	
162	187	209	
405	268	354	
494	464	570	
180	212	214	
201	249	252	
134	164	159	
204	259	321	
112	123	128	
101	127	131	
70	85	78	
154	168	151	
191	211	214	
959	563	731	
774	925	1008	
115	102	87	
115	135	138	
145	148	171	
208	227	229	
Other Med School Departments			
343	486	442	
3085	-239	31	
27	-1	16	
68	72	67	
Research Oversight Units			
27	39	36	
143	139	125	
13	0	4	
418	422	380	
10	7	7	
136	149	151	

Department space productivity available in M-Dash/Space/Productivity

Publication counts do not truly "finalize" due to authors joining/leaving institutions. For this metric, previous calendar years are considered "final" in May of the following calendar year as this is when the amount of new publications attributed to a year drops sharply.