

This report summarizes the overall trends in grant and contract activity across all three campuses of the University of Michigan through the fourth month of fiscal year 2019, which ended October 31, 2018.

Figure 1 shows that total research expenditures through the first four months of FY 2019 are ahead of the previous year by 2.4 percent. It is important to note that total research expenditures for FY 2018, which closed on June 30, 2018, reached a record high of \$1.55 billion.

The number of research submissions through October was down 0.8 percent when compared to last year, as shown in Figure 2. Figure 3, however, shows the value of those submissions is up 6.7 percent when compared to FY 2018.

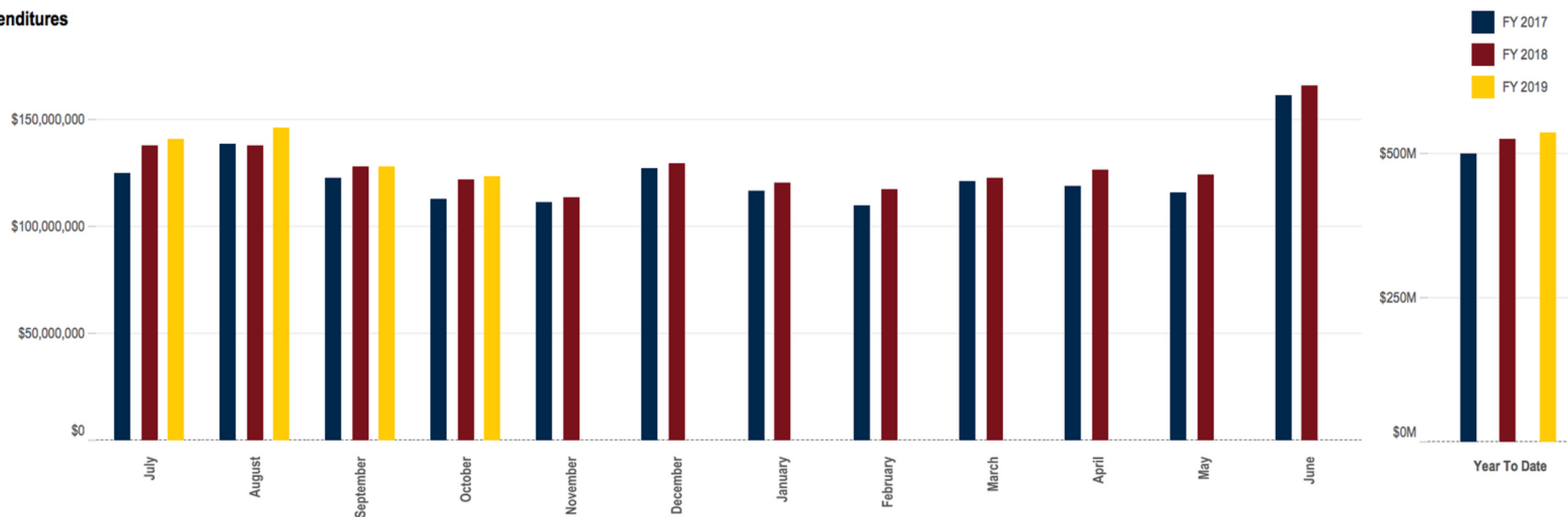
Figures 4 and 5 show the number of new research awards from external sponsors are up 0.7 percent, and their value increased by 30.6 percent when compared to the previous fiscal year—led in October by a five-year, \$10.7 million award to support the Michigan Retirement and Disability Research Center.

S. Jack Hu, Vice President for Research

Craig Reynolds, Executive Director, Office of Research and Sponsored Projects

Figure 1

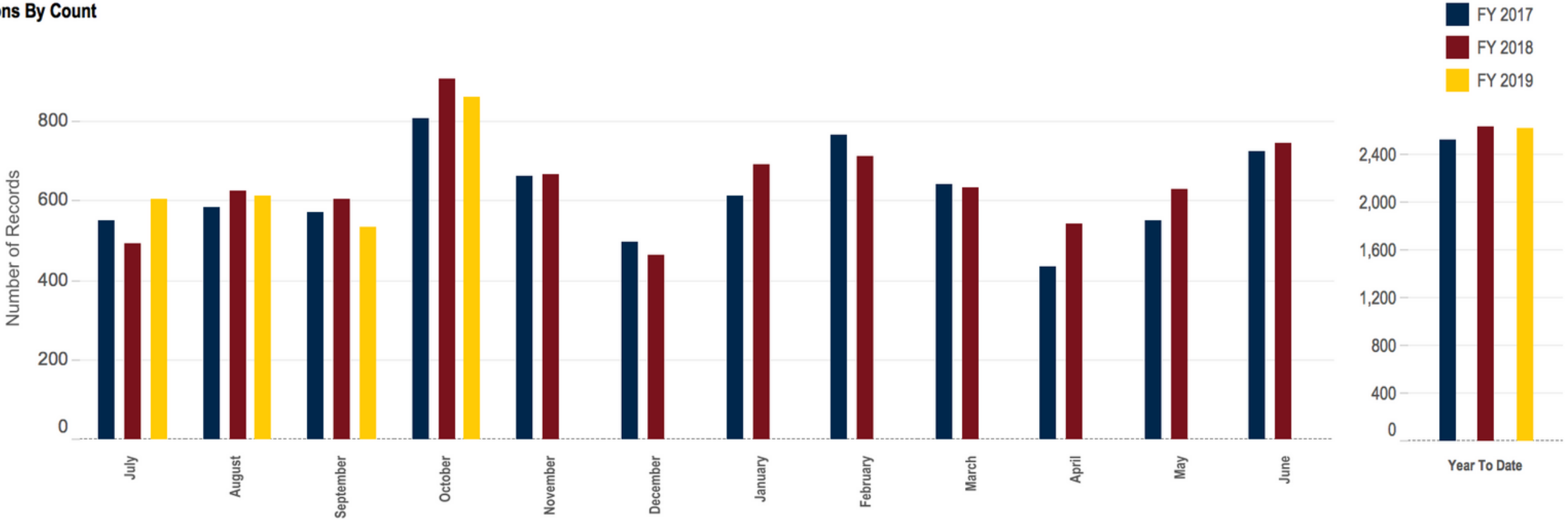
Expenditures



FY 2017: \$499,981,007
 FY 2018: \$526,406,407
 FY 2019: \$539,072,347

Figure 2

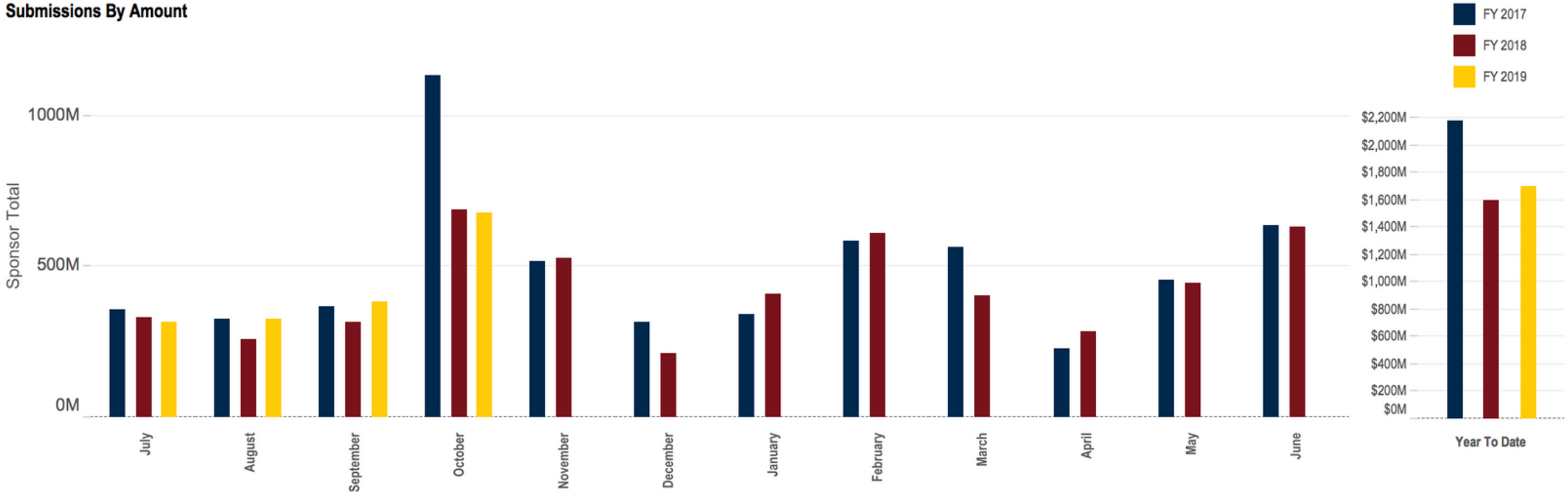
Submissions By Count



FY 2017: 2,525
 FY 2018: 2,639
 FY 2019: 2,618

Figure 3

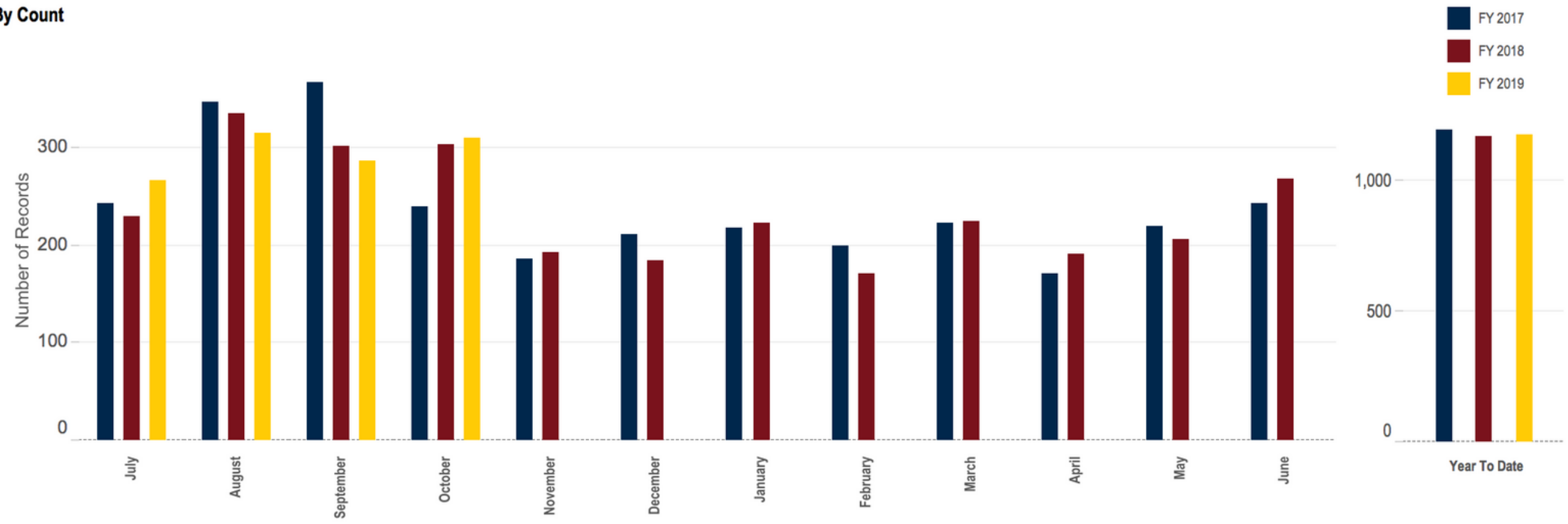
Submissions By Amount



FY 2017: \$2,182,731,508
 FY 2018: \$1,592,863,689
 FY 2019: \$1,699,888,569

Figure 4

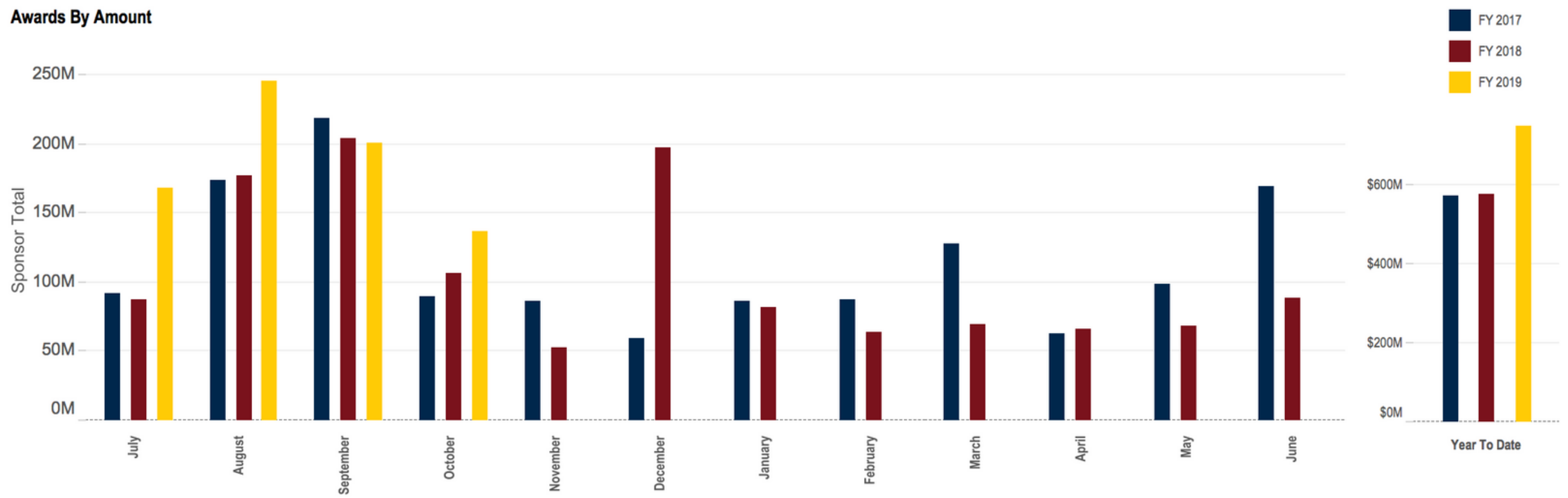
Awards By Count



FY 2016: 1,193
 FY 2017: 1,167
 FY 2018: 1,175

Figure 5

Awards By Amount



FY 2016: \$575,622,288
 FY 2017: \$575,945,004
 FY 2018: \$752,321,417

Figure 6

20 Largest Project Awards: October 2018

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Laitner, John	SRC - Life-Cycle Economics	Michigan Retirement and Disability Research Center	Social Security Administration	\$10,757,620	5.0
Chinnaiyan, Arul	Ctr fr Translational Pathology	Exploring Precision Oncology: From Gene Fusions to lncRNAs	Health and Human Services, Department of-National Institutes of Health	\$6,500,557	7.0
Reed, Matthew	UMTRI-Biosciences	Child Strength Testing	Consumer Product Safety Commission	\$5,000,000	1.0
He, Zhong	Nuclear Eng & Radiological Sci	High Performance 3-D CdZnTe neutron-sensitive gamma-ray imaging spectrometers for field deployment	Defense, Department of-Defense Threat Reduction Agency	\$4,016,404	3.0
Ajrouch, Kristine	SRC-Life Course Development	Alzheimer's Disease Risk and Ethnic Factors: The Case of Arab Americans	Health and Human Services, Department of-National Institutes of Health	\$3,898,076	4.7
Chestek, Cynthia	Biomedical Engineering	Optimization and distribution of high density cellular scale carbon and silicon arrays	Health and Human Services, Department of-National Institutes of Health	\$3,433,739	3.0
Lok, Anna	Int Med-Gastroenterology	NOVEL STRATEGIES TO IMPROVE LIVER CANCER SURVEILLANCE UPTAKE AND EARLY DETECTION	Health and Human Services, Department of-National Institutes of Health	\$3,380,798	5.0
Noll, Douglas	Biomedical Engineering	High SNR Functional Brain Imaging using Oscillating Steady State MRI	Health and Human Services, Department of-National Institutes of Health	\$2,799,709	4.8
Pandey, Aditya	Neurosurgery	Novel Ultrasonic Technique for the Treatment of Hemorrhagic Stroke	Health and Human Services, Department of-National Institutes of Health	\$2,571,008	4.8
Koschmann, Elizabeth	Psychiatry-ASAP	University of Michigan 3-Tiered School Wellness Collaborative	Education, Department of	\$2,463,909	5.0
Ball, Deborah	School of Education	Communicating and Relating Mathematically Across Difference	National Science Foundation	\$2,457,364	5.0
Gates, Deanna	School of Kinesiology	A Comparative Assessment of Conventional and Adjustable Transfemoral Prosthetic Sockets	Defense, Department of-Army, Department of the	\$2,398,239	4.0
Nagrath, Deepak	Biomedical Engineering	Targeting Stromal Influences on Glutamine Addiction in Ovarian Cancer	Health and Human Services, Department of-National Institutes of Health	\$2,373,137	5.0
Branford, Greta	Medicare MAPCP Demo Project	State Innovation Model Patient Centered Medial Home Initiative	Michigan, State of, Health and Human Services, Department of	\$2,287,167	1.0
Morrow, Jonathan	Psych Substance Abuse	Individual Differences in Epigenetic Regulation of Emotional Learning	Health and Human Services, Department of-National Institutes of Health	\$2,281,207	4.8
Warschausky, Seth	Physical Medicine & Rehab Dept	PediaTrac: Web-based Measure to Screen and Track Early Developmental Trajectories	Health and Human Services, Department of-National Institutes of Health-Subcontracts	\$2,273,928	4.9
Hammer, Gary	Metabolism, Endo & Diabetes	Mechanisms of Adrenal Differentiation	Health and Human Services, Department of-National Institutes of Health	\$1,941,776	3.8
Dimick, Justin	GSA - Minimally Invasive (MIS)	Using Video Analysis to Improve Outcomes of Laparoscopic Colectomy	Health and Human Services, Department of-Agency for Healthcare Research and Quality	\$1,844,290	4.9
Schuetz, Sonja	Neurology Department	Research Agreement Between Apple and Institution Project Attachment #2 - Evaluation of an In-bed Sensor to Track Sleep Physiology (The SHEEP Project)	Apple, Inc.	\$1,712,439	1.0
Batterman, Stuart	Environmental Health Sciences	The University of Michigan Education and Research Center	Health and Human Services, Department of-Centers for Disease Control and Prevention	\$1,686,040	5.0

