

Department of Medicine Research Metrics Report 2024

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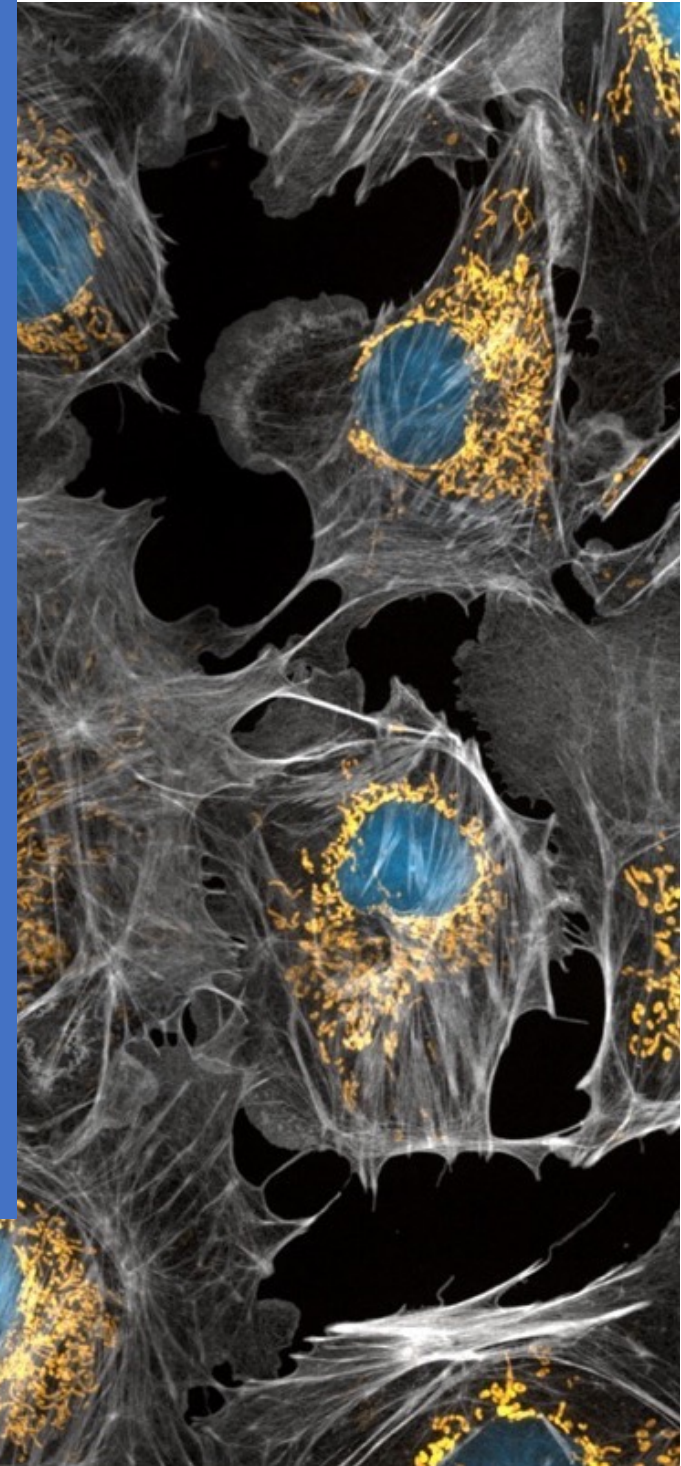


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Why Report on Research Metrics

- Provides a comprehensive overview of the department's research activity and accomplishments over the past year
- Allows us to:
 - Evaluate progress toward departmental goals
 - Identify areas for improvement
 - Allocate resources effectively
- By tracking and reporting on metrics such as gender, ethnicity, and career stage, DOM can identify any disparities or barriers to participation, and take steps to address them

Sources and Methods



Click to open	Project Status	Initiative Board	Proposal Number Award Number	Supporter Due	Project Title	Principal	Actions
	Approved	23 Office of Research 25 Office of Research 26 Office of Research 45 Office of Research 46 Office of Research 47 Office of Research 48 Office of Research 49 Office of Research 50 Office of Research	P0449366 A119695				History Forms Hide Copy Delete
	Approved	23 Office of Research 25 Office of Research 26 Office of Research 45 Office of Research 46 Office of Research 47 Office of Research 48 Office of Research 49 Office of Research	P0331729 A131467	05/24/2018 05/24/2018	Song Brown 2018 Song Brown 2018	Juban, Katherine A	History Forms Hide Copy Delete
	Draft	21 <Not Assigned> 22 <Not Assigned>	P0528189	<Not Assigned>	AI-Assisted Fall Prediction Collaboration with AstraZenca	AI-Assisted Fall Prediction	History Forms Hide Copy Delete

MyReports

Employee Appointment Report
Displays HR appointment details in a list format by Employee, Appointment Number, and Appointment Begin and End Date.

Employee Distribution Report
Displays HR distribution details in a list by Employee.

Employee Lockout Report
Displays all current HR appointment and distribution details.

HR Event Report
Displays HR Events such as Appointments and separations with the ability to filter through by Event Details. Date separator must only use a forward slash.

HR Monthly Review Report
Combines several report subgroups into a single review report with the ability to display New Hires, Separations, Appointments near end, Distributions near end, Probation period near end, Work permit end date, Limited employee hours, and Distributions greater than 100%.

Research Admin. System (RAS)

System Availability
The system is available 24x7 except for maintenance.
Between the hours of 7 p.m. and 7 a.m. unavailability or slower response time.

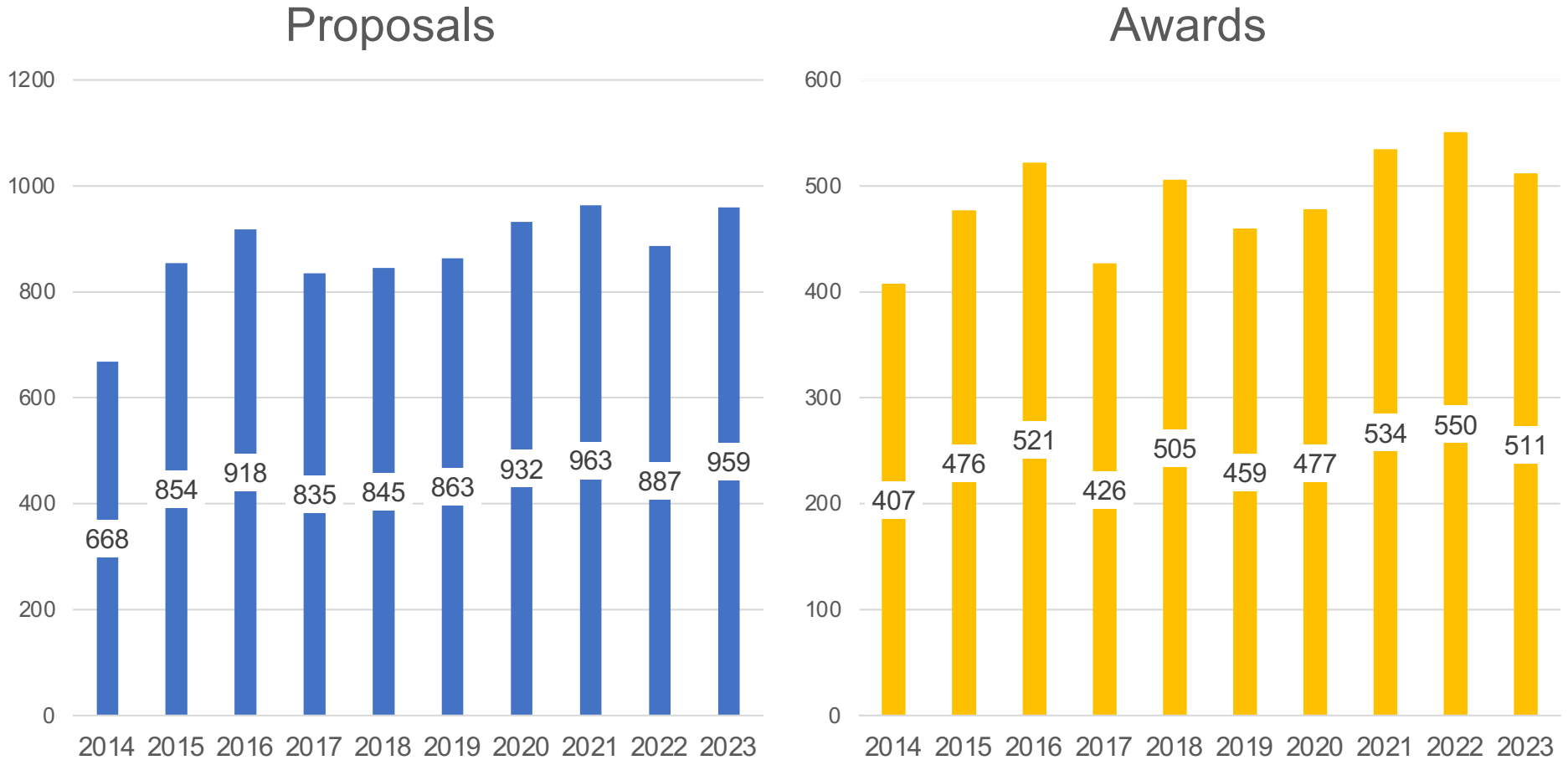
Operating Systems and Browsers
Oracle Certified Operating Systems
Windows: Internet Explorer 11; Firefox
MAC OS: Safari 10
Other operating systems/browsers may work, but some features may not render properly.

- Awards data (unless otherwise noted) attributed based on primary home department regardless of administering ORU.
- This report focuses primarily on the years 2019-2023, however in some cases we have included 10 years of data where we feel it would be helpful.

Proposals and Awards

DOM 2014-2023 Proposals & Awards

Total # of Proposals Submitted and Awards Received by Calendar Year

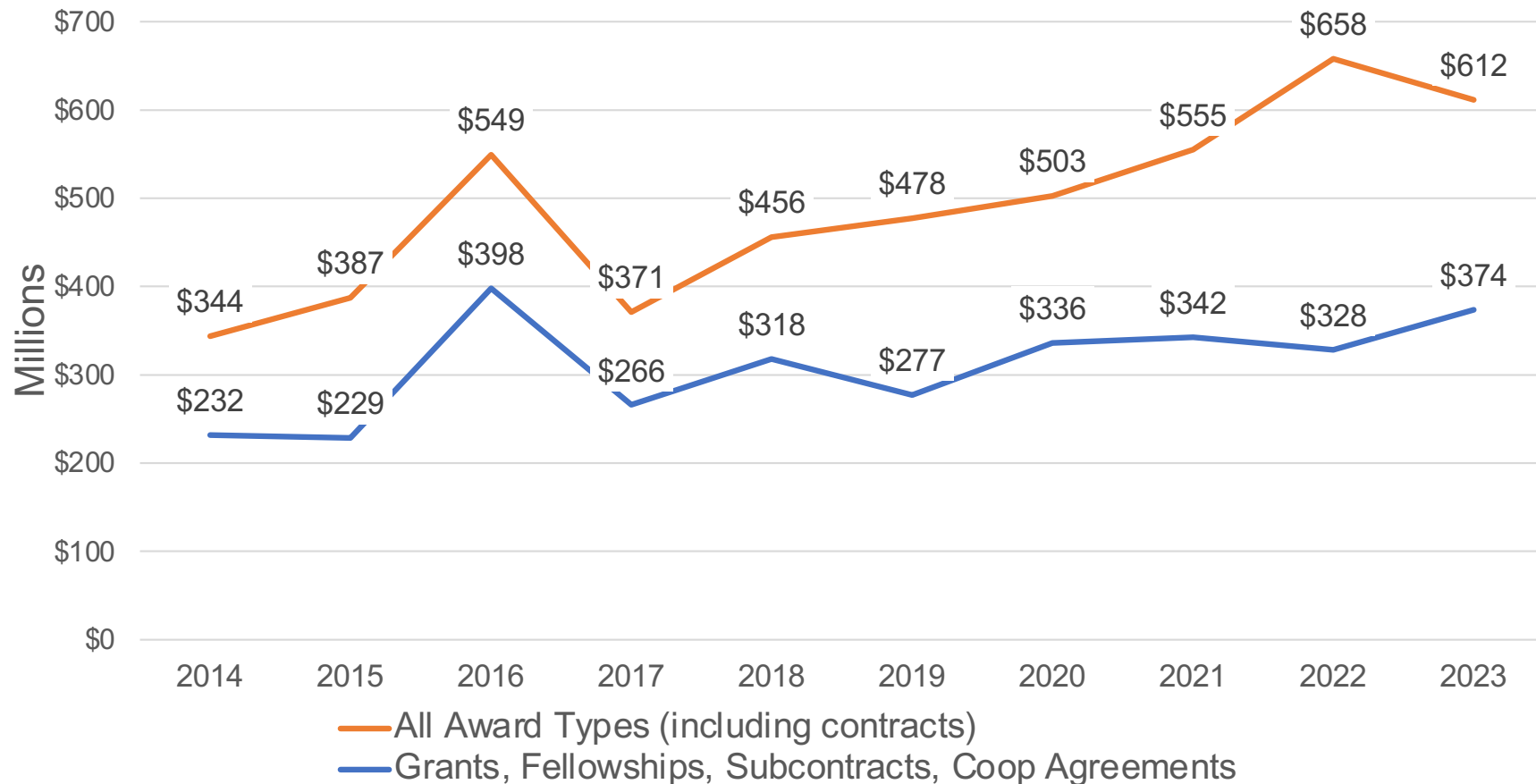


- New, competitive renewals and resubmissions only. By faculty with primary appointment in the DOM – includes awards administered in ORUs
- Excludes JPA/IPA
- Only includes DOM VAMC proposals and awards submitted through UCSF

Source: Research Administration System (RAS)

DOM Sponsored Funding

Total Dollars Awarded, Based on Year of Award Start Date

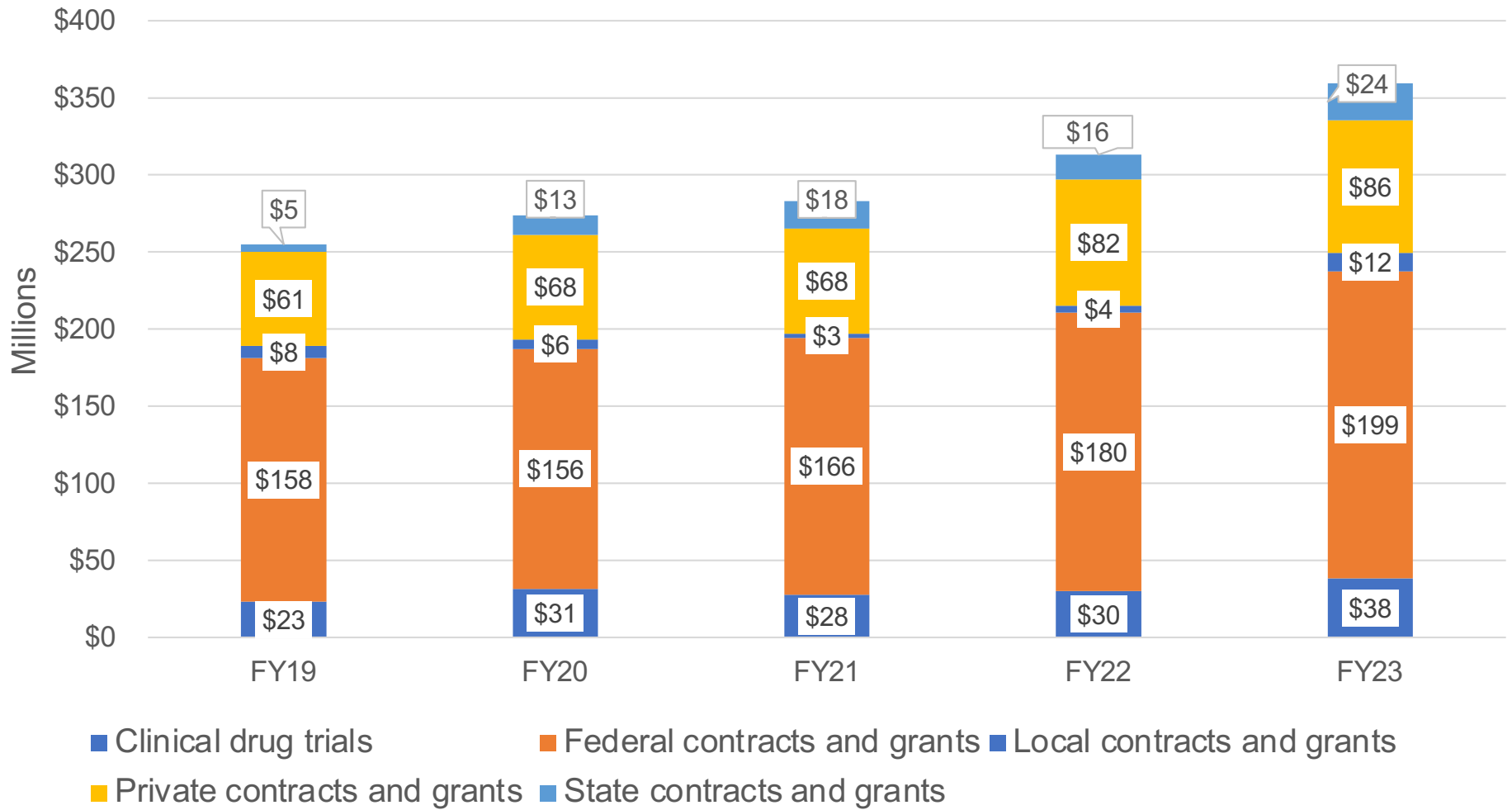


- Based on total amount awarded for all years of the project, by year of award start date
- Actual revenue from contracts, especially, may vary from what was awarded in the budget
- By PI with primary appointment in the DOM – includes awards administered in ORUs
- Only includes DOM VAMC if submitted through UCSF
- Orange line includes IPAs and JPAs which may be contracts or grants

Source: Research Administration System (RAS)

Sponsored Projects Actual Revenue

In Millions, FY19-23



- Based on revenue recorded on general ledger. Includes only activity in DOM Dept IDs
- \$359.5M in FY23, +15% from prior year

Source: General Ledger

Largest grants and California DPH contracts awarded in 2023



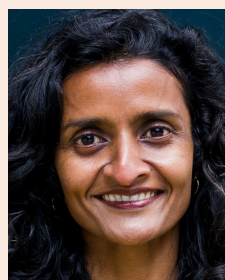
Jennifer Lai
Cognitive Impairment
After Liver
Transplant
NIH/NIA (\$7.5M)



Julia Adler-Milstein
National Center for
Diagnostic
Excellence
Moore Fdn (\$15M)



Jackie Maher
iPSCs for discovery
research in NAFLD
NIH/NIDDK (\$8.1M)



Priya Shete
Pandemic Recovery
and Readiness
California DPH
(\$3.3M)



Urmimala Sarkar
Hypertension
Remote Monitoring
Evaluation
PCORI (\$17.8M)

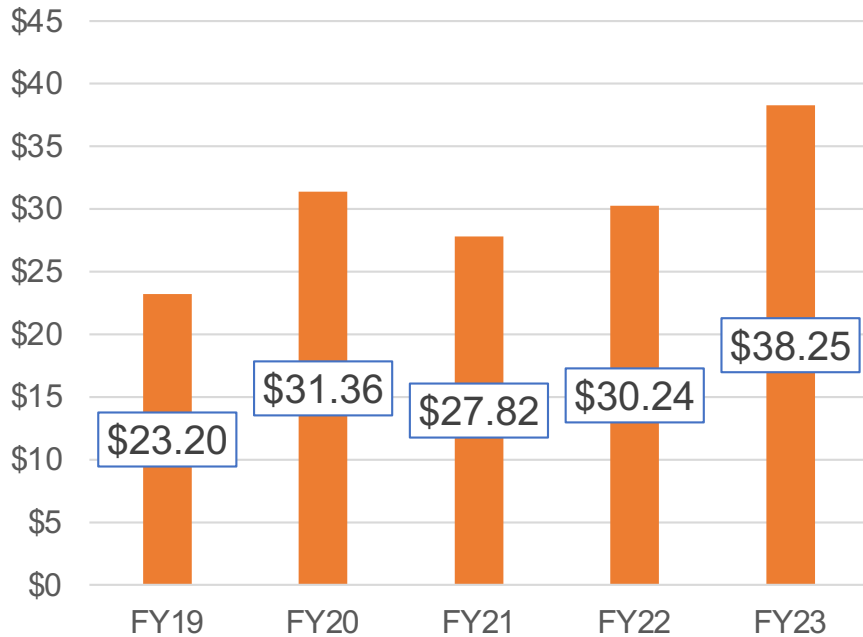


**Maya
Vijayaraghavan**
Center for Tobacco
Cessation
California DPH
(\$2.3M)

Expansion of Clinical Trials in DOM

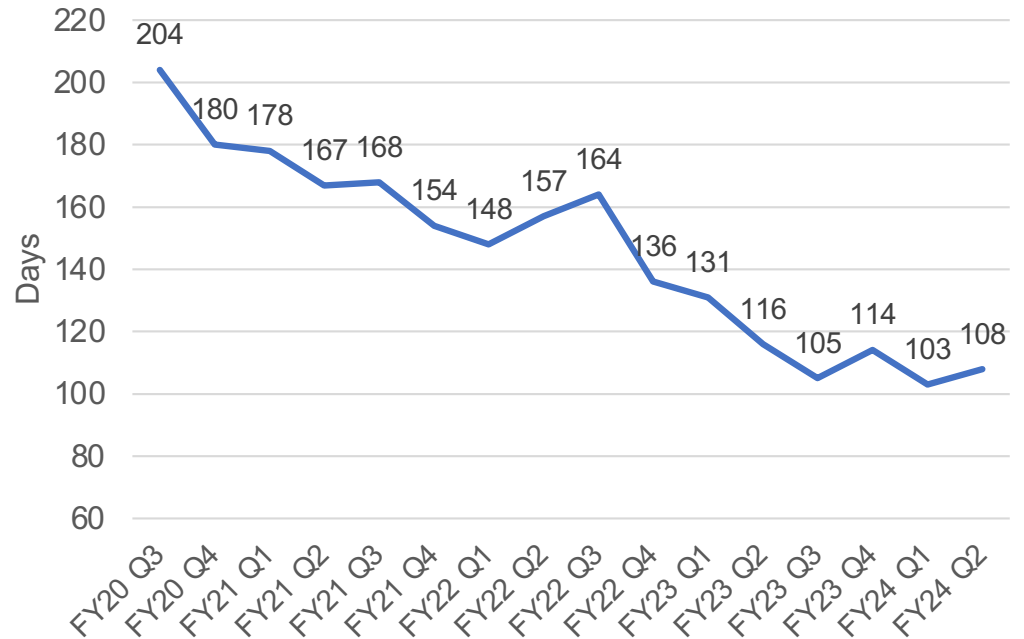
Clinical Trial Revenue to DOM by Fiscal Year

In Millions, FY19-FY23



Time to Clinical Trial Activation in DOM (less is better)

OCTA Receipt to Contract Execution

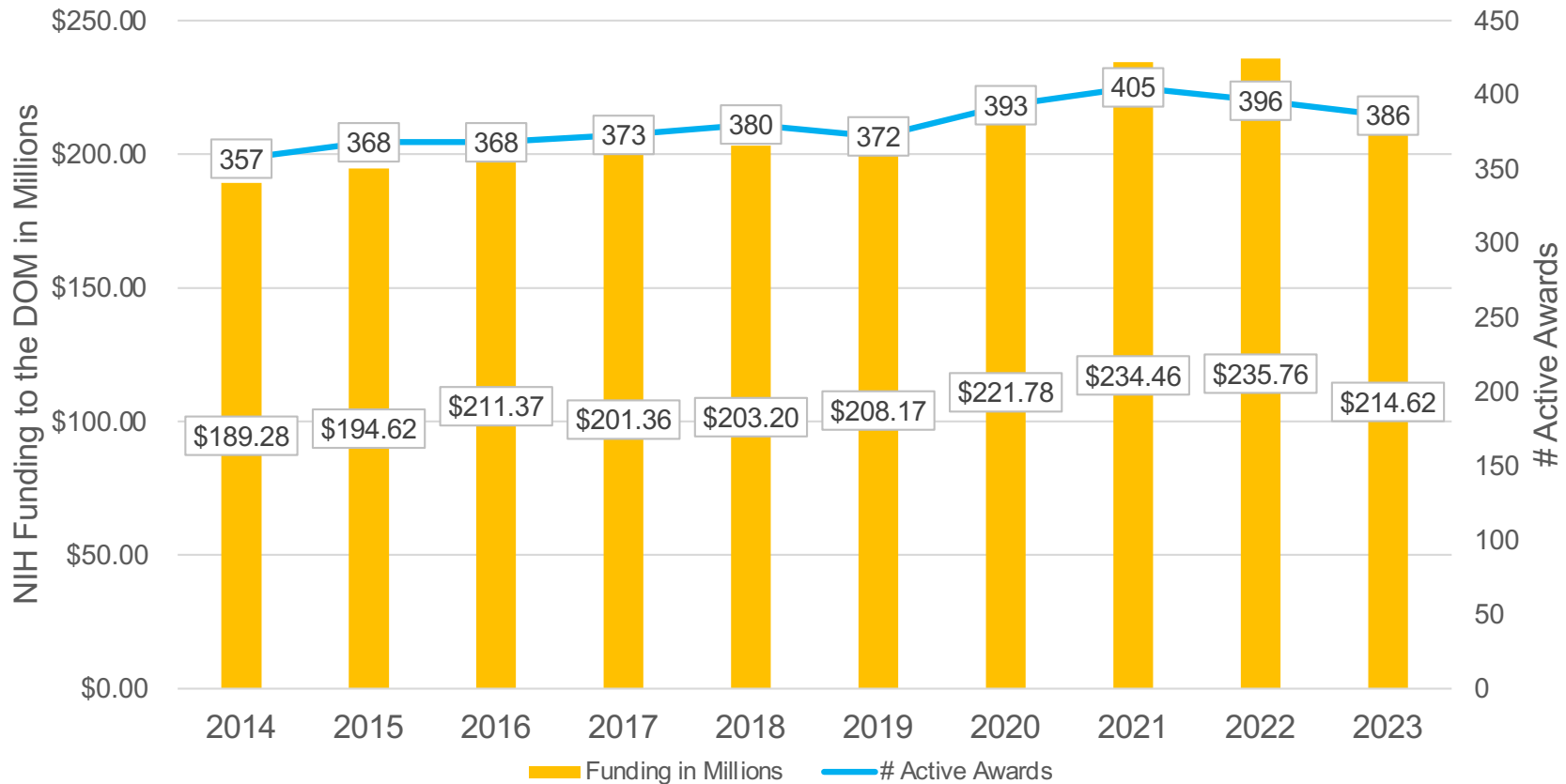


- Data for industry-sponsored clinical trials
- Revenue grew by 26% in FY23 compared to the prior year
- In terms of volume, we estimate approximately 14% increase in the number of active clinical trials in FY23 compared to FY22
- Clinical Trial activation metrics – for all of DOM for those trials that went through the Office of Clinical Trials Activation

Source: General Ledger, RAS, OCTA “ACT Dash”

NIH Funding

NIH Funding and Count of Active Awards to the DOM Last 10 NIH Fiscal Years



- Based on total costs issued to UCSF DOM during NIH FY and total # unique projects
- Only dollars funded per NIH FY – does not include future years
- In FY23, NIH funding was -9% compared to FY22 with a similar number of projects
- After inflation adjustment, UCSF DOM NIH funding has declined ~ 10% compared to 2014

Top Recipients of NIH Funding, FY23

University Rankings

Rank	University	Award Dollars
1	Johns Hopkins University	\$843M
2	University of California, San Francisco	\$789M
3	University of Pennsylvania	\$703M
4	Duke University	\$702M
5	University of Michigan at Ann Arbor	\$698M
6	Massachusetts General Hospital	\$675M
7	University of Pittsburgh	\$658M
8	Washington University	\$633M
9	Columbia University	\$633M
10	Stanford University	\$629M

Method: NIH rankings based on award notices for funding issued during NIH fiscal year 2023 only.

School of Medicine Rankings

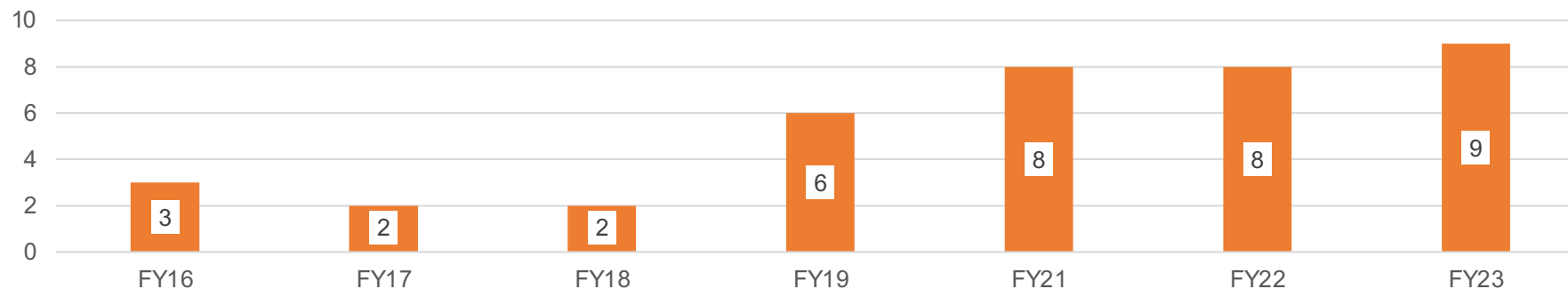
Rank	Schools of Medicine	Award Dollars
1	University of California, San Francisco	\$700M
2	Washington University	\$584M
3	University of Pennsylvania	\$580M
4	Yale University	\$571M
5	Johns Hopkins University	\$569M

Department of Medicine Rankings

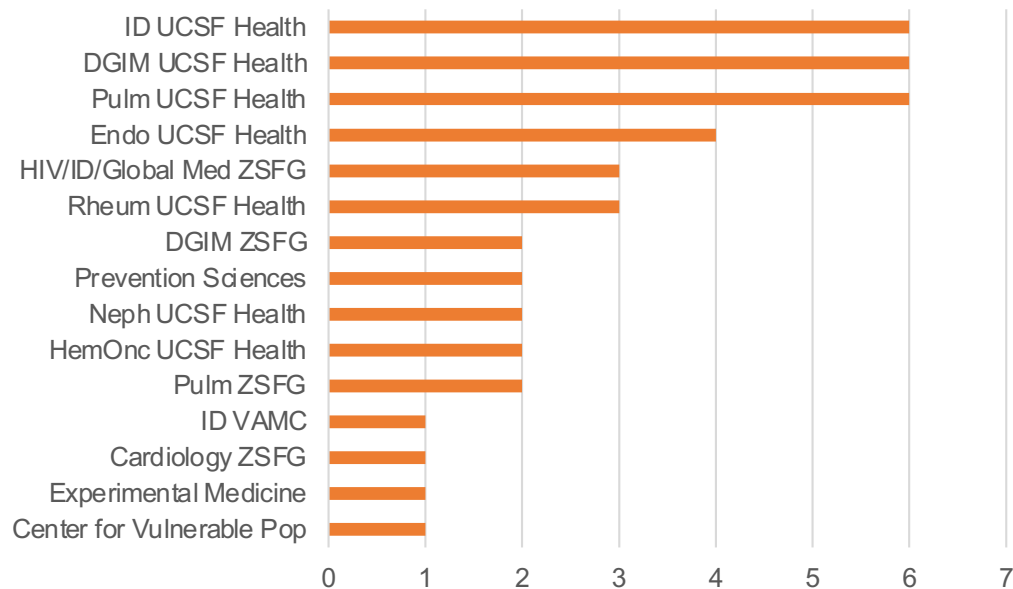
Rank	Departments of Medicine	Award Dollars
1	Vanderbilt University	\$267M
2	University of California, Los Angeles	\$234M
3	University of California, San Francisco	\$215M
4	Columbia University	\$208M
5	Johns Hopkins University	\$183M

Diversity Supplements Received by DOM Faculty FY16-FY23

Received



By Division, FY16-23

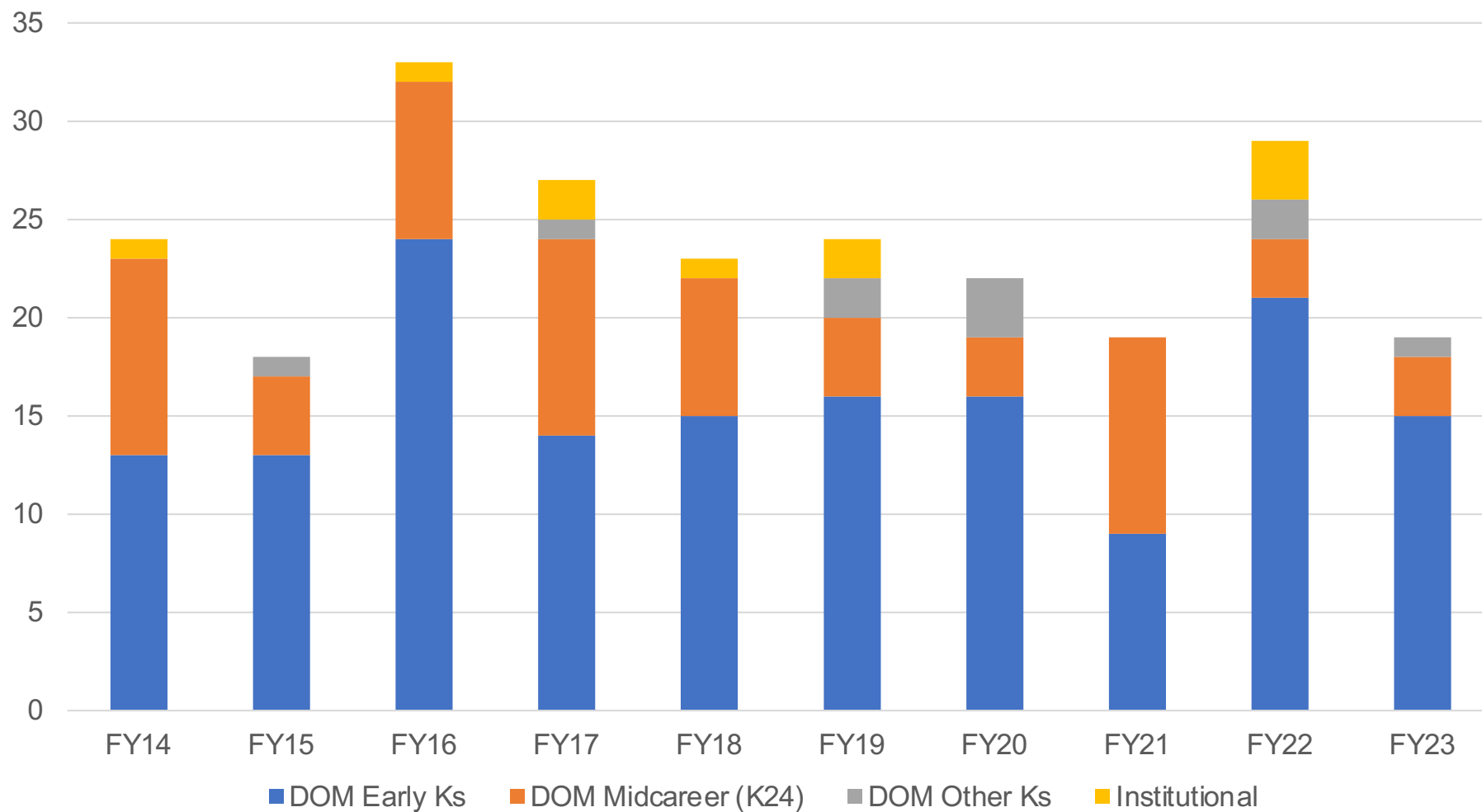


FY23 Recipients	Division
John Chorba	Cardiology ZSFG
Brian Graham	Pulm ZSFG
Laurence Huang	HIV/ID/GM ZSFG
Peter Hunt	Experimental Medicine
Pamela Ling	DGIM UCSF Health
Ross Okimoto	HemOnc UCSF Health
Joel Palefsky x2	ID UCSF Health
Arthur Weiss	Rheum UCSF Health

- By faculty with primary appointment in the DOM – includes awards administered in ORUs.
- Only includes DOM VAMC if submitted through UCSF

Source: Research Administration System (RAS) and NIH Reporter

Number of New or Renewed K Awards with DOM PIs FY14-23

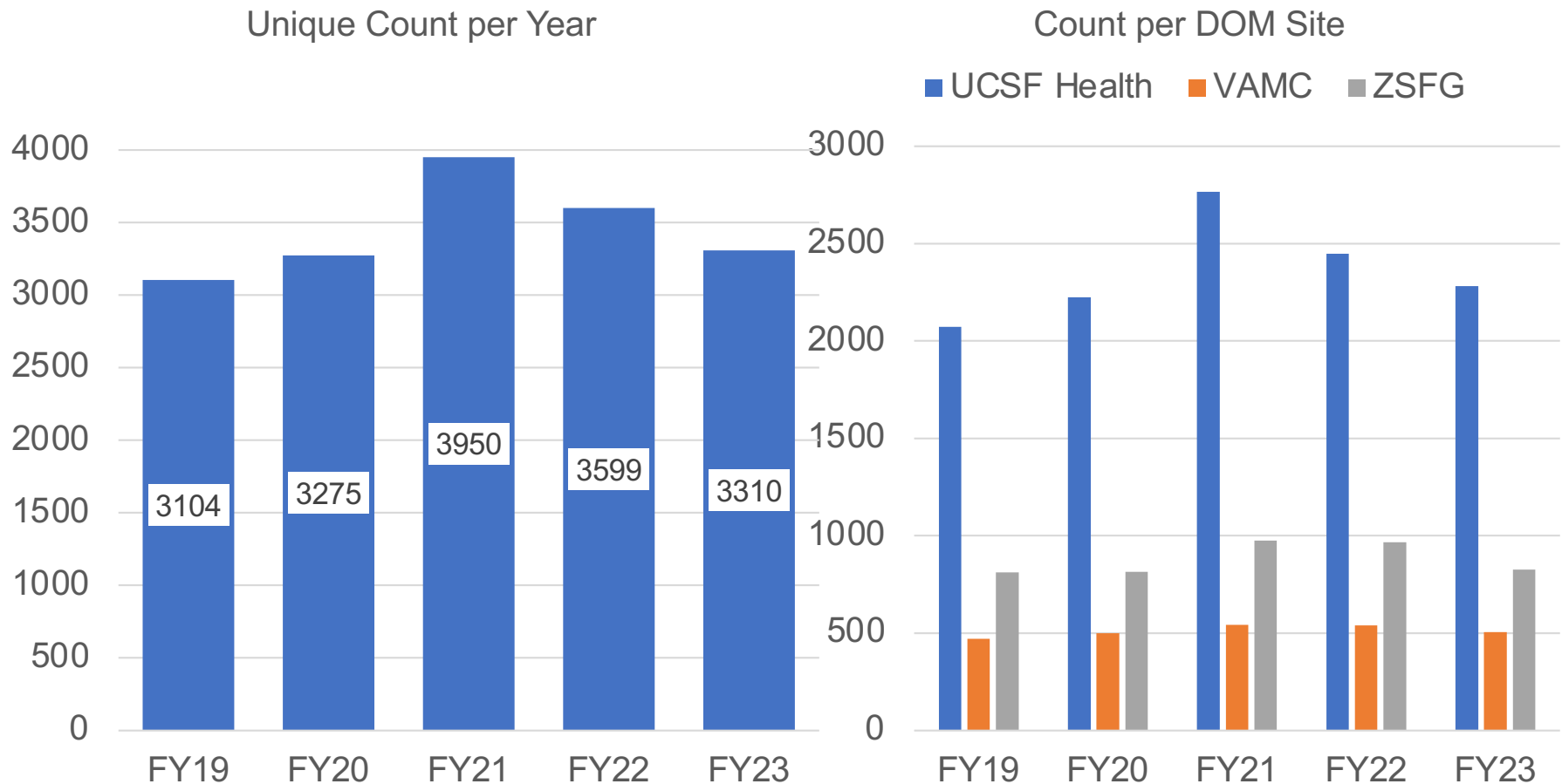


- By faculty with primary appointment in the DOM – includes awards administered in ORUs.
- Includes all new and competitively renewed K awards with PIs in the DOM.
- Only includes DOM VAMC if submitted through UCSF

Source: Research Administration System (RAS)

Publications


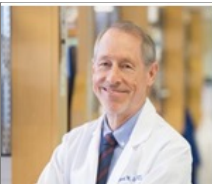






DOM Annual Publication Volume, All Journal Types by Fiscal Year



- Includes primary research and all other publications with at least one author from each unit.
- Publications may show up multiple times if they have multiple authors in the DOM, but only counted 1x per site.
- 3310 unique publications in FY23.

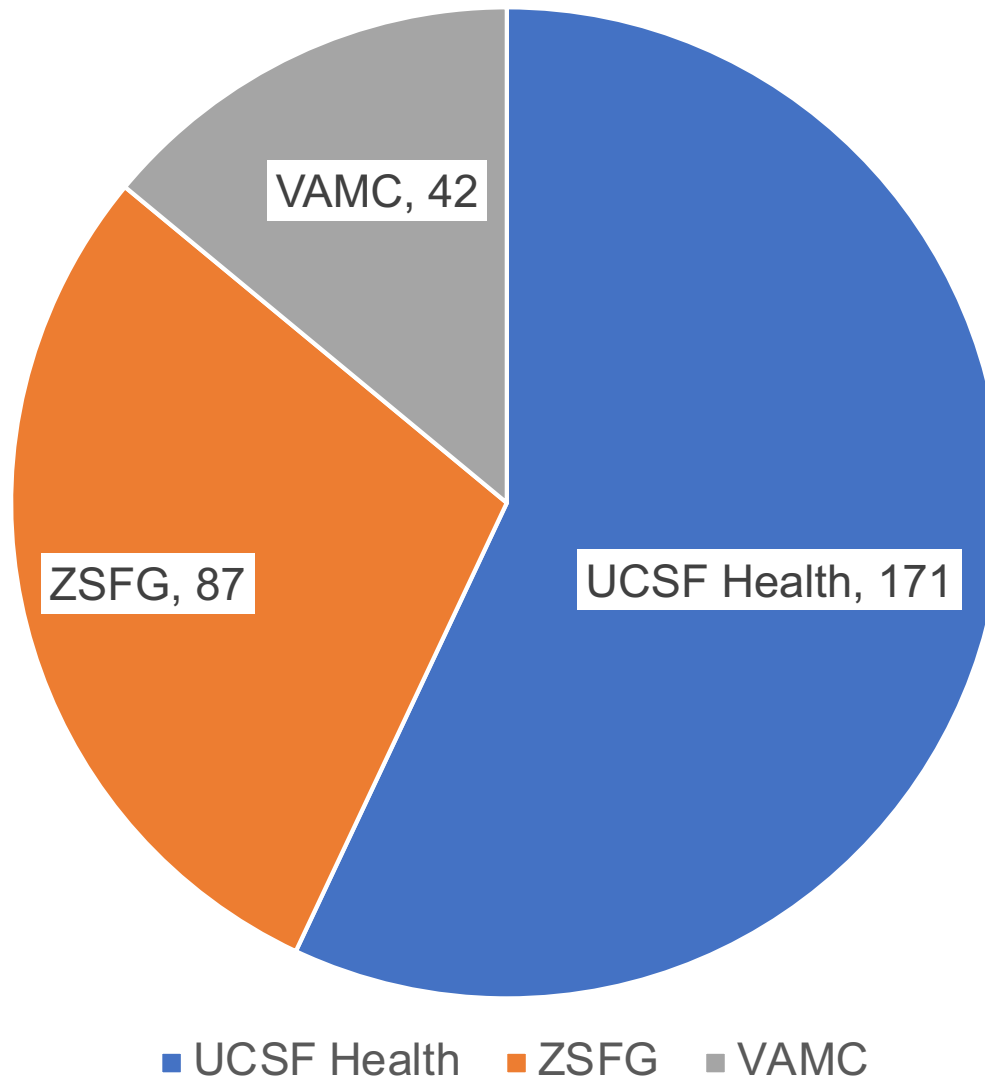
Highly Cited Department of Medicine Researchers

Eight DOM researchers were ranked in the TOP 1% for impact in their fields as judged by an analysis of their research citations.

Alan Ashworth			Richard Locksley		
Adil Daud			Susan Lynch		
Steven Deeks			Hope Rugo		
Peter Hunt			Eric Verdin		

Researcher Demographics

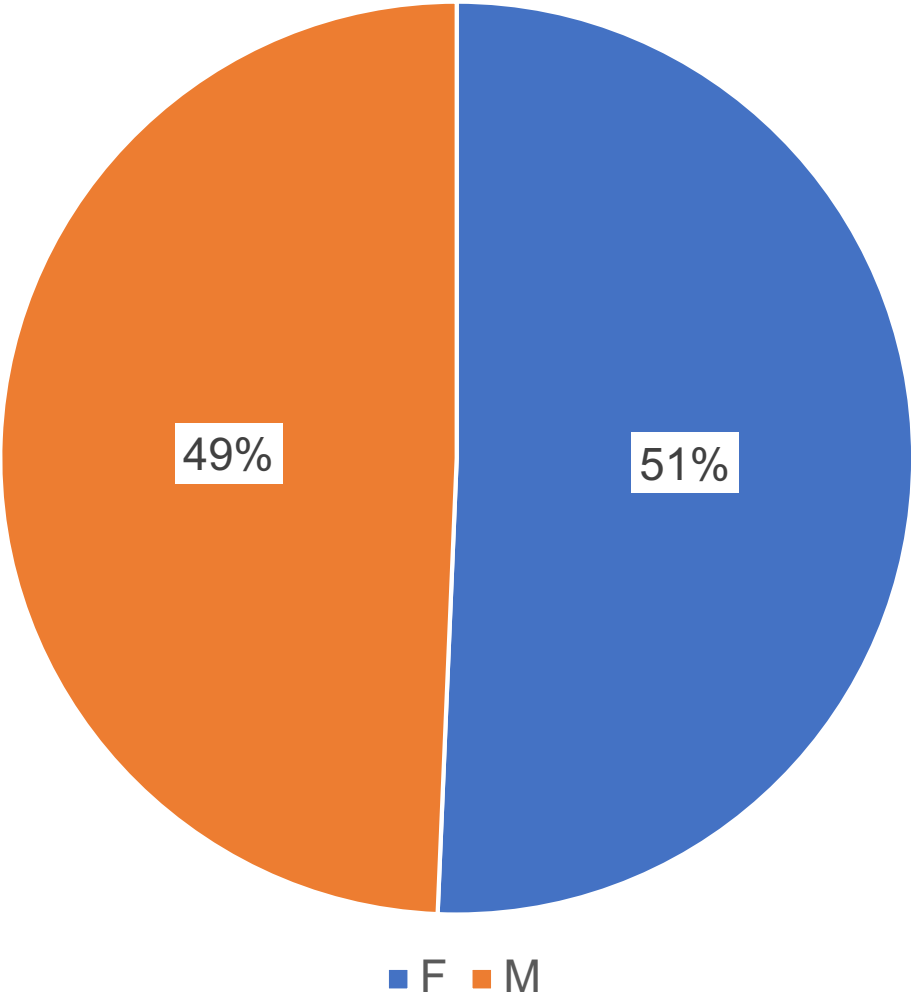
DOM Research Faculty by Site, FY23



- Faculty with $\geq 50\%$ of funding from sponsored research based on FY23 payroll distributions

Source: Payroll ledger

% of DOM Researchers by Sex Code



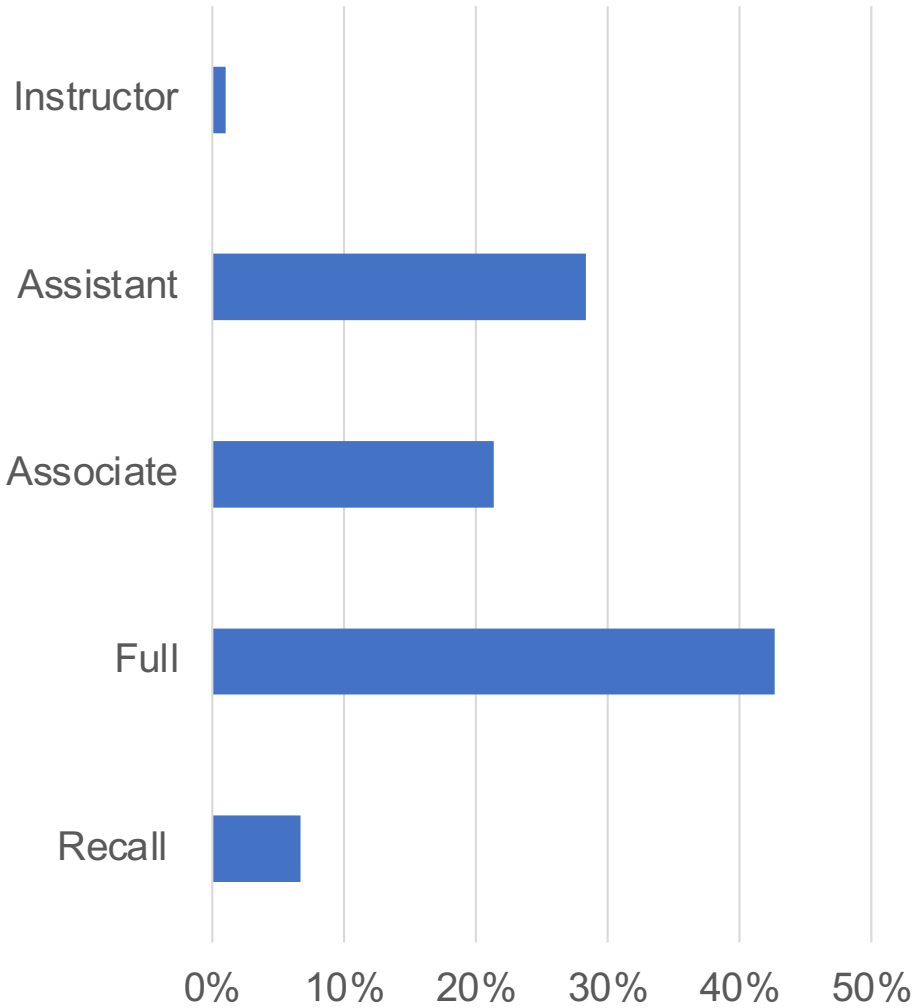
- Faculty with $\geq 50\%$ of funding from sponsored research based on FY23 payroll distributions

Source: Payroll ledger, HR Database

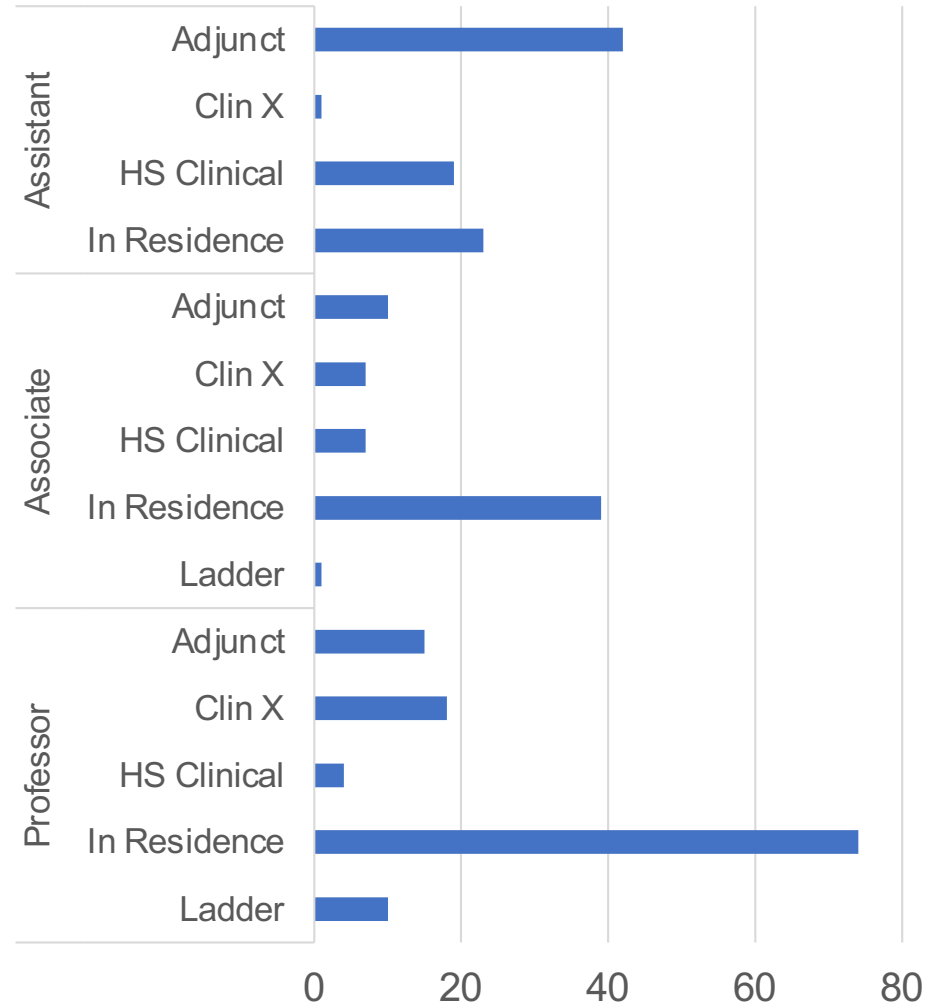
DOM Research Faculty, FY23

Breakdowns by Rank and Series

% by Rank



Count by Rank and Series

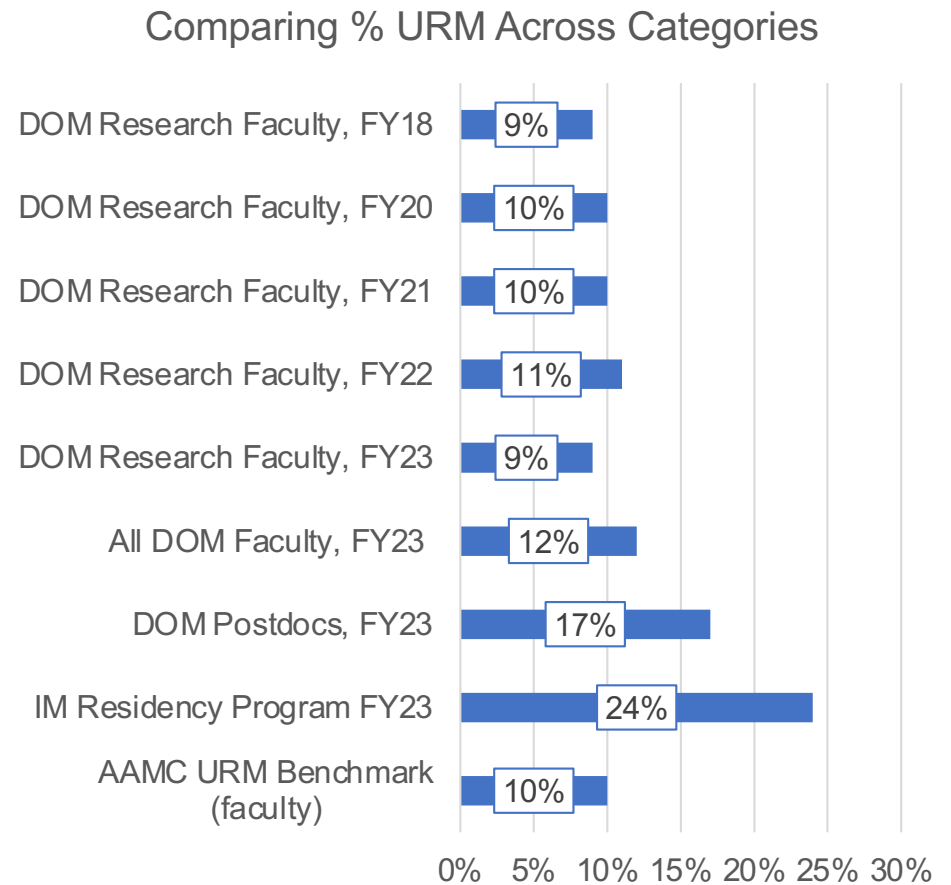
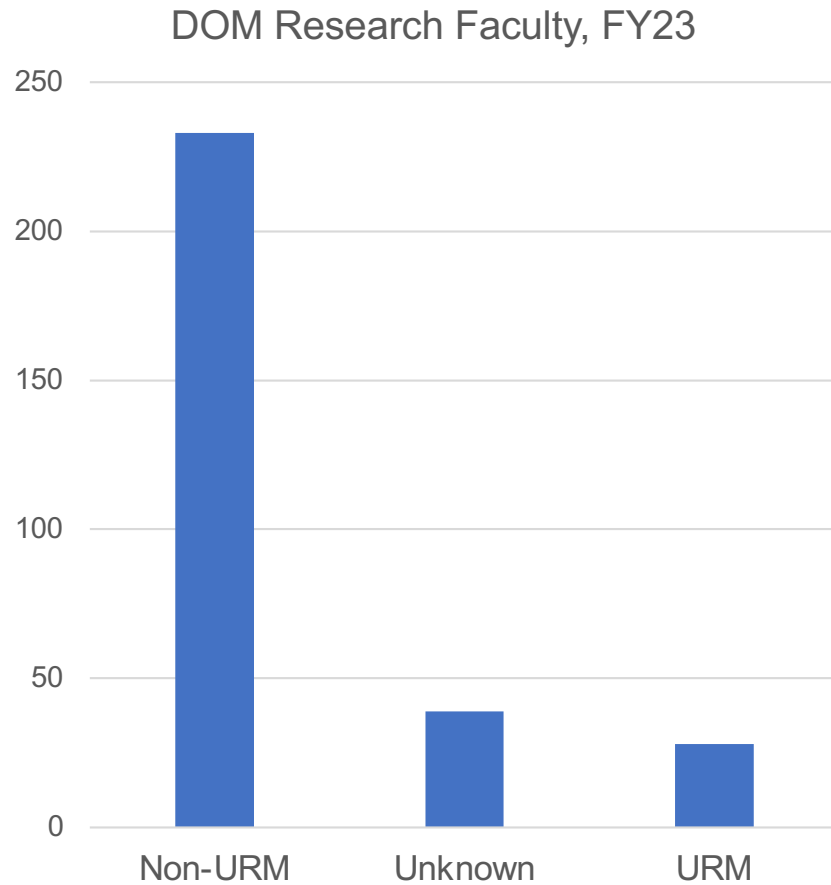


- Faculty with $\geq 50\%$ of funding from sponsored research based on FY23 payroll distributions

Source: Payroll ledger

DOM Research Faculty, FY23

URM and Non-URM All Sites



- Faculty with $\geq 50\%$ funding from sponsored research based on FY23 payroll distributions
- FY23 # of DOM URM researcher faculty stayed the same, though declined slightly as % of all DOM researchers due to methodological change
- Pipeline: Since FY20, DOM Diversity in Bench Sciences (DiBS) Program has supported 21 URM fellows on their path in basic research.

Source: HR database, SOM Balanced Scorecard

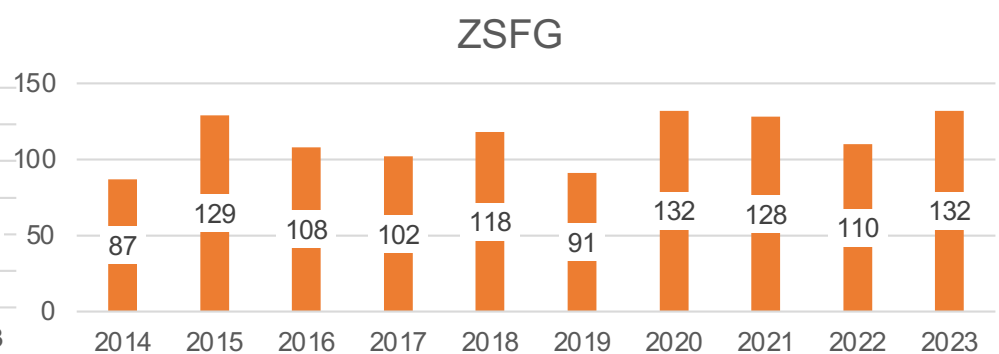
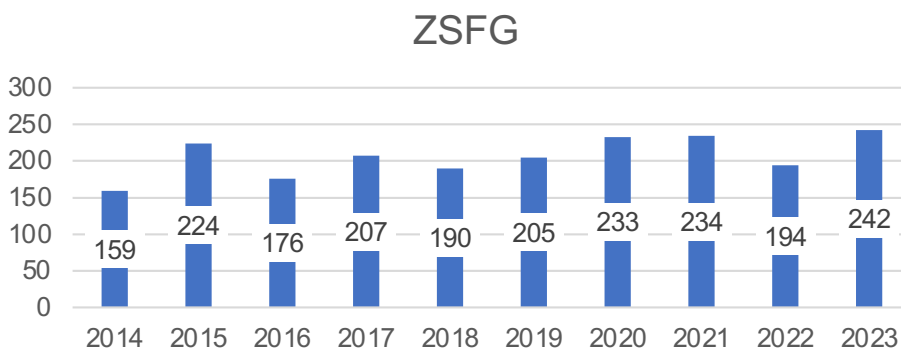
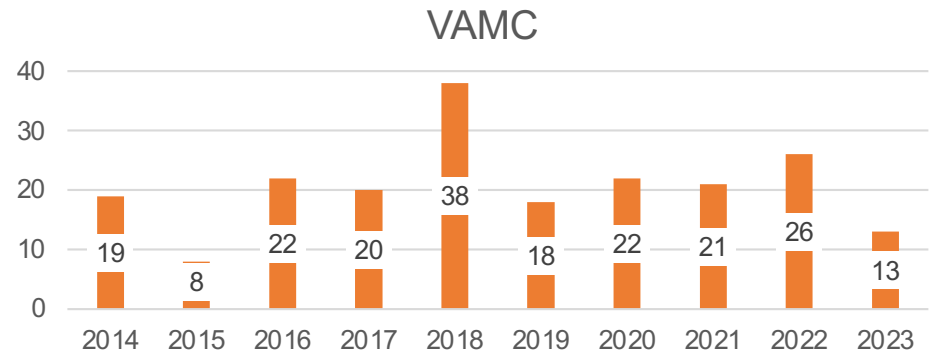
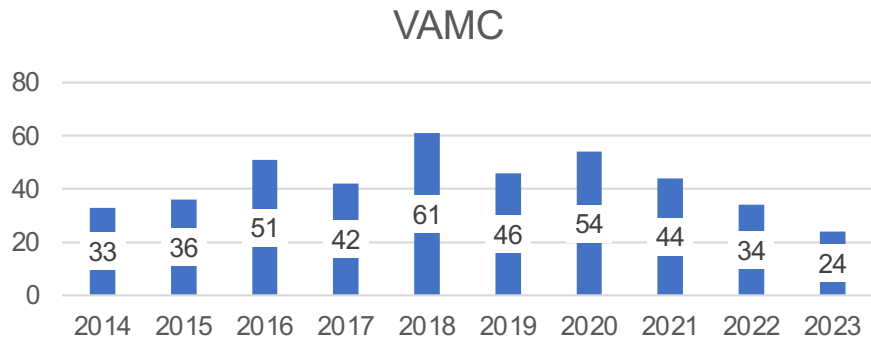
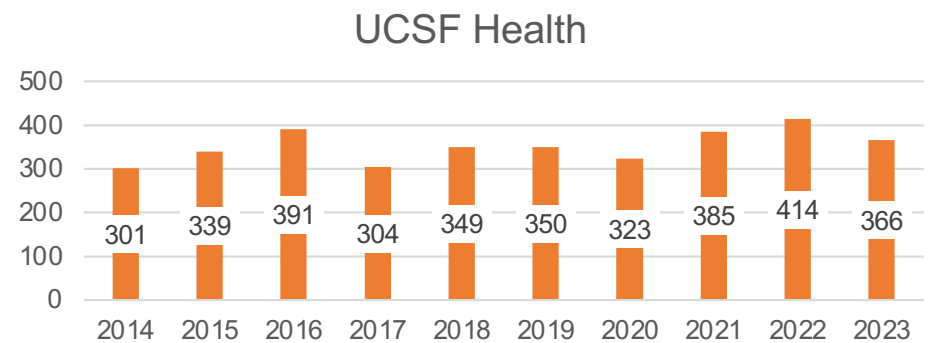
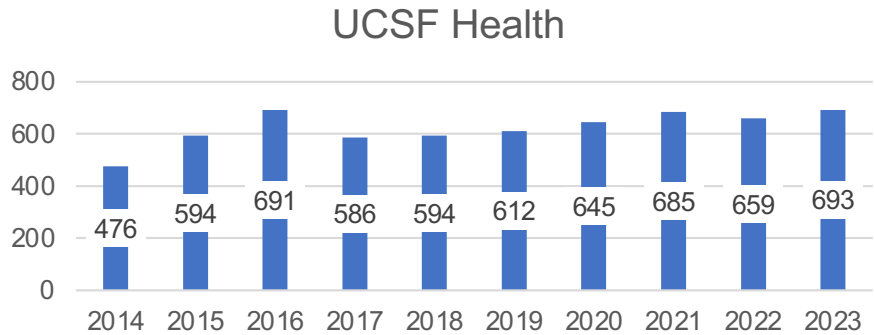
Overall Summary

- In 2023, UCSF Department of Medicine upheld a steady flow of proposal submissions and awards, showcasing our commitment to research development.
- Sponsored projects reached a new milestone with revenues of approximately \$360 million, demonstrating a healthy 15% increase from the last year.
- Clinical trials revenue saw a positive trend in fiscal year 2023, with enhanced operational efficiencies leading to shorter trial activation times.
- The department continues to be recognized by the NIH, maintaining strong standings though we are diligently working to sustain funding metrics post-inflation adjustment.
- We are working toward building a more inclusive environment and there are signs of progress in some areas, with the department securing the most diversity supplements since FY16 and supporting a significant number of early K awards for our investigators.

Appendix

DOM Proposals & Awards by Site

2014-2023

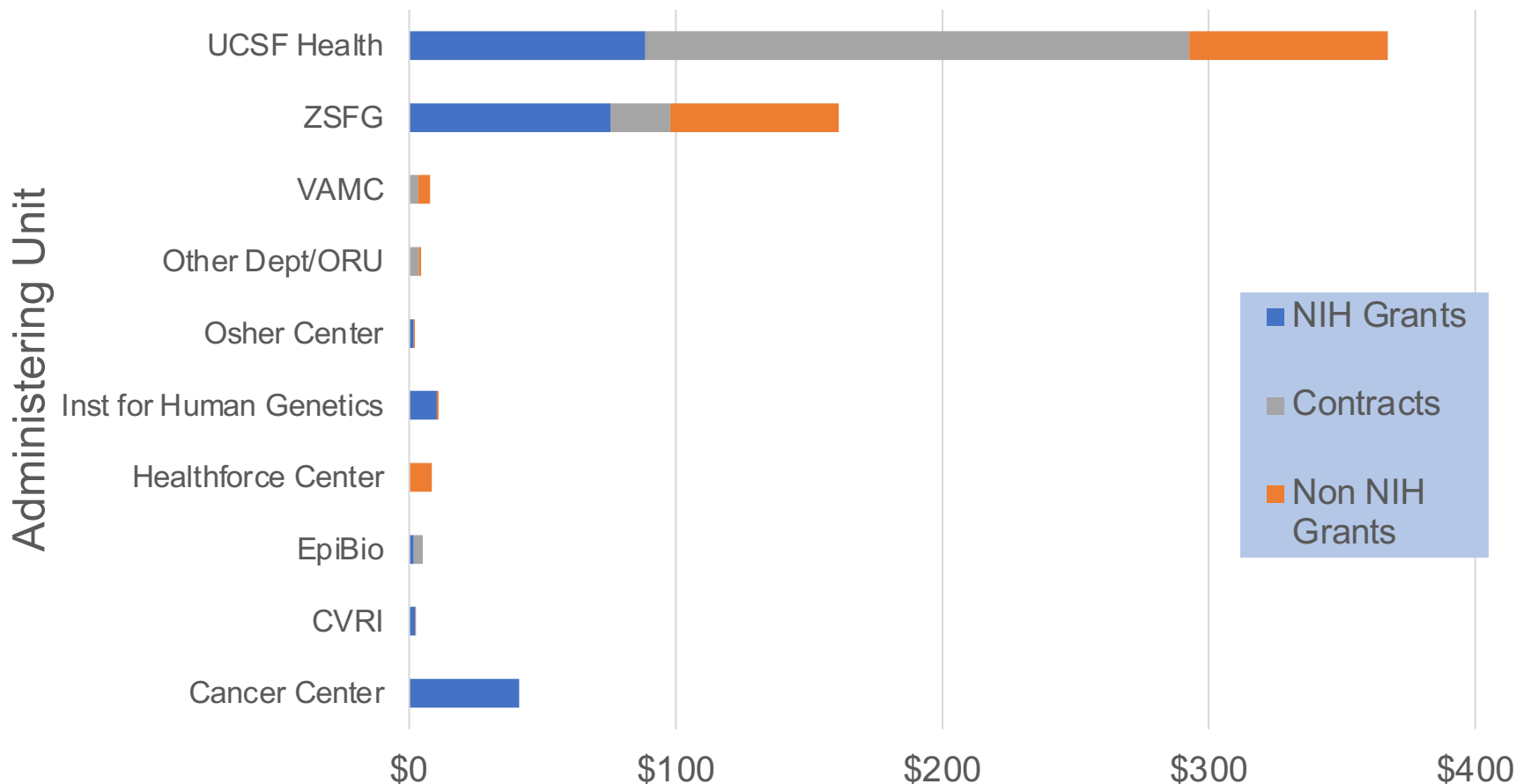


- New, competitive renewals and resubmissions only; excludes contracts
- By faculty with primary appointment in the DOM – includes awards administered in ORUs
- Only includes DOM VAMC submitted through UCSF

■ Proposals ■ Awards

Source: Research Administration System (RAS)

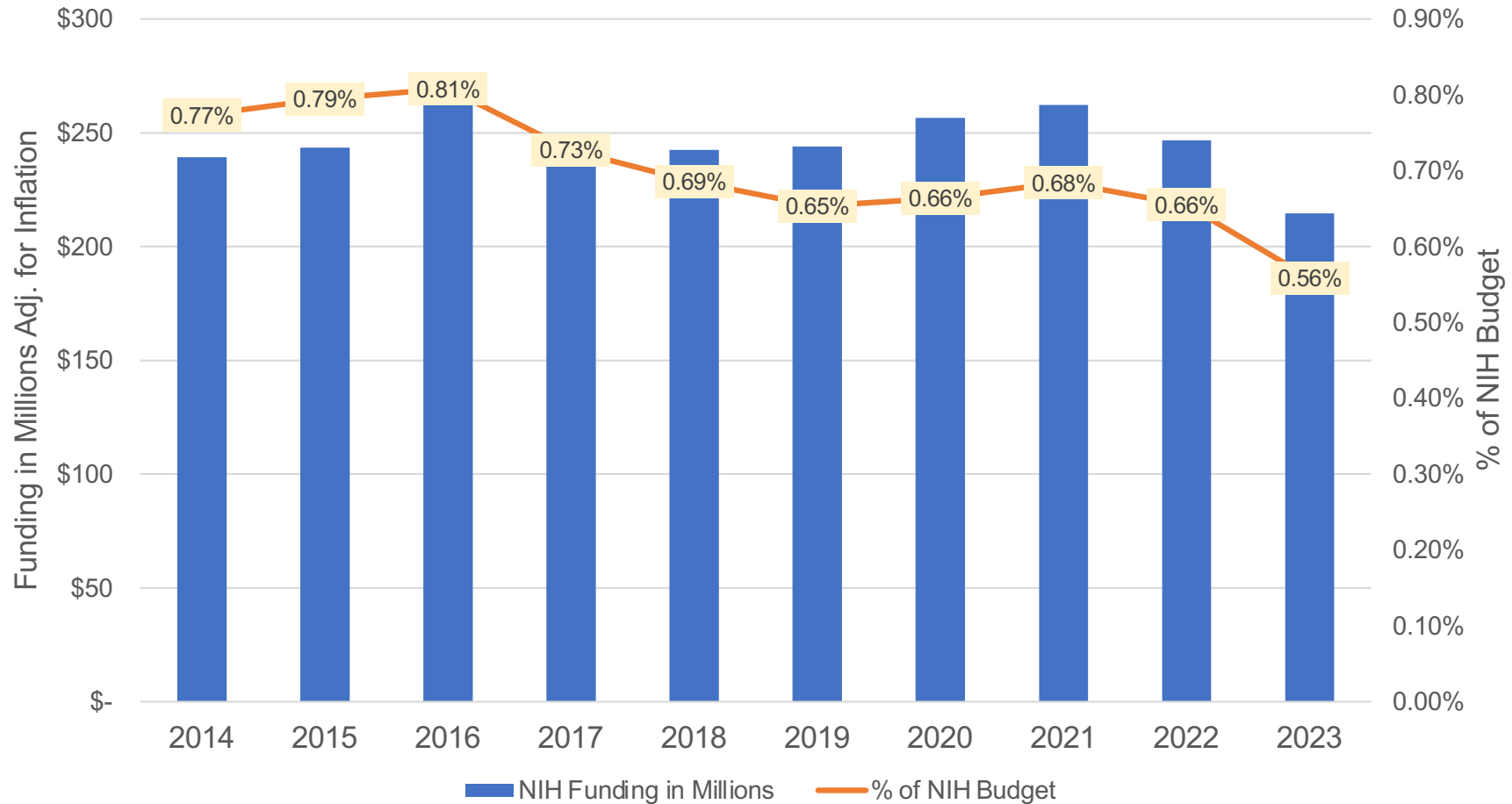
New Funding to DOM Faculty by Administering Unit Based on Dollars Awarded for New Awards in 2023, By Funding Type



- Includes total amount awarded for all years of the project, for any new awards starting in 2023
- Actual revenue from contracts, especially, may vary from what was awarded in the budget
- By faculty with primary appointment in the DOM – includes awards administered in ORUs.
- Only includes DOM VAMC if submitted through UCSF

Source: Research Administration System (RAS)

NIH Funding to the DOM, Adjusted for Inflation to 2023 Dollars and as a Proportion of NIH Budget Obligations, NIH FY 2014-23

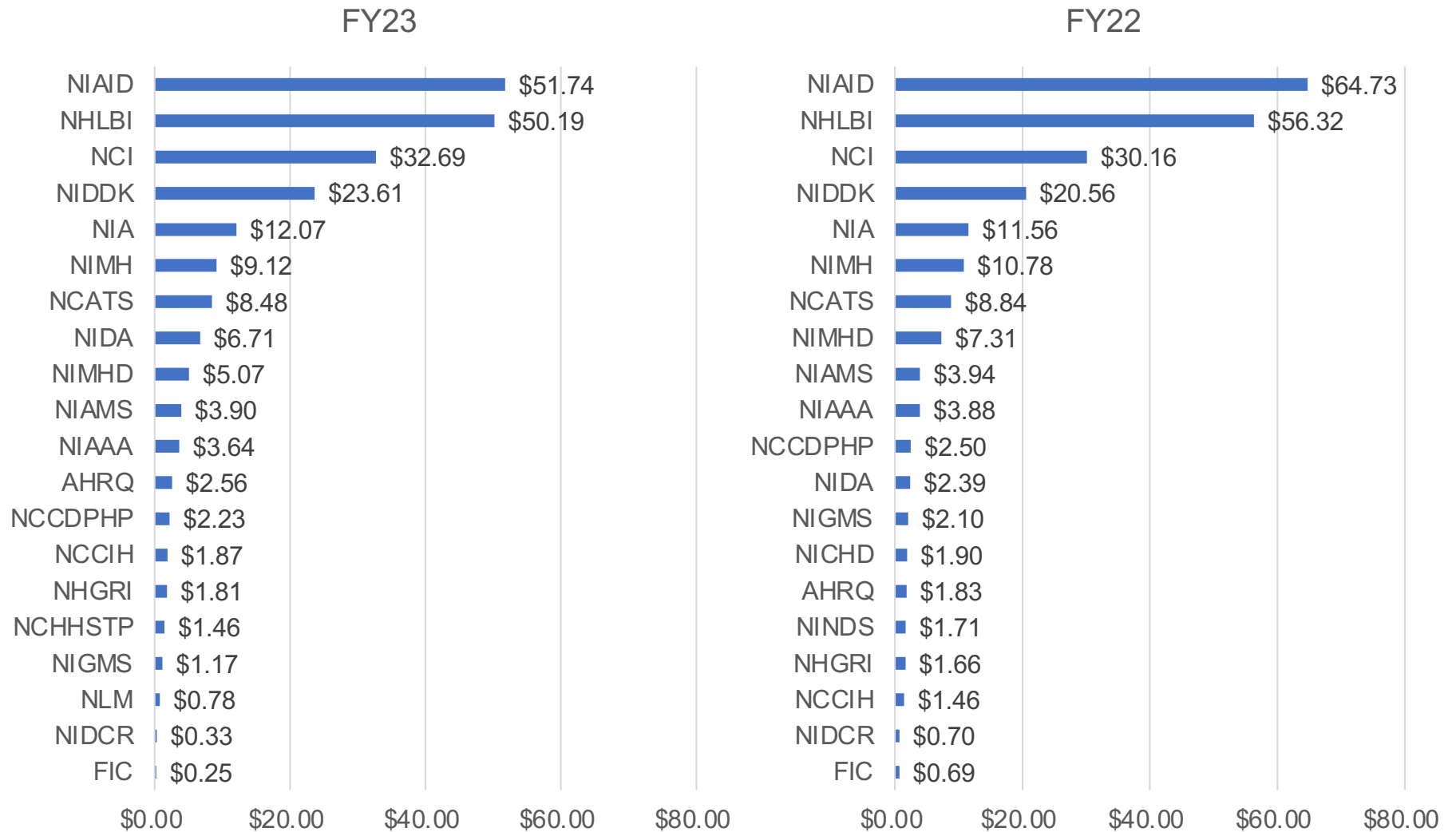


- Based on total costs issued to UCSF DOM during NIH FY, adjusted for inflation according to the Biomedical R&D Price Index.
- Only dollars funded per NIH FY – does not include future years.

Source: NIH Reporter

NIH Award Dollars to the DOM by Agency

Top 20, in Millions

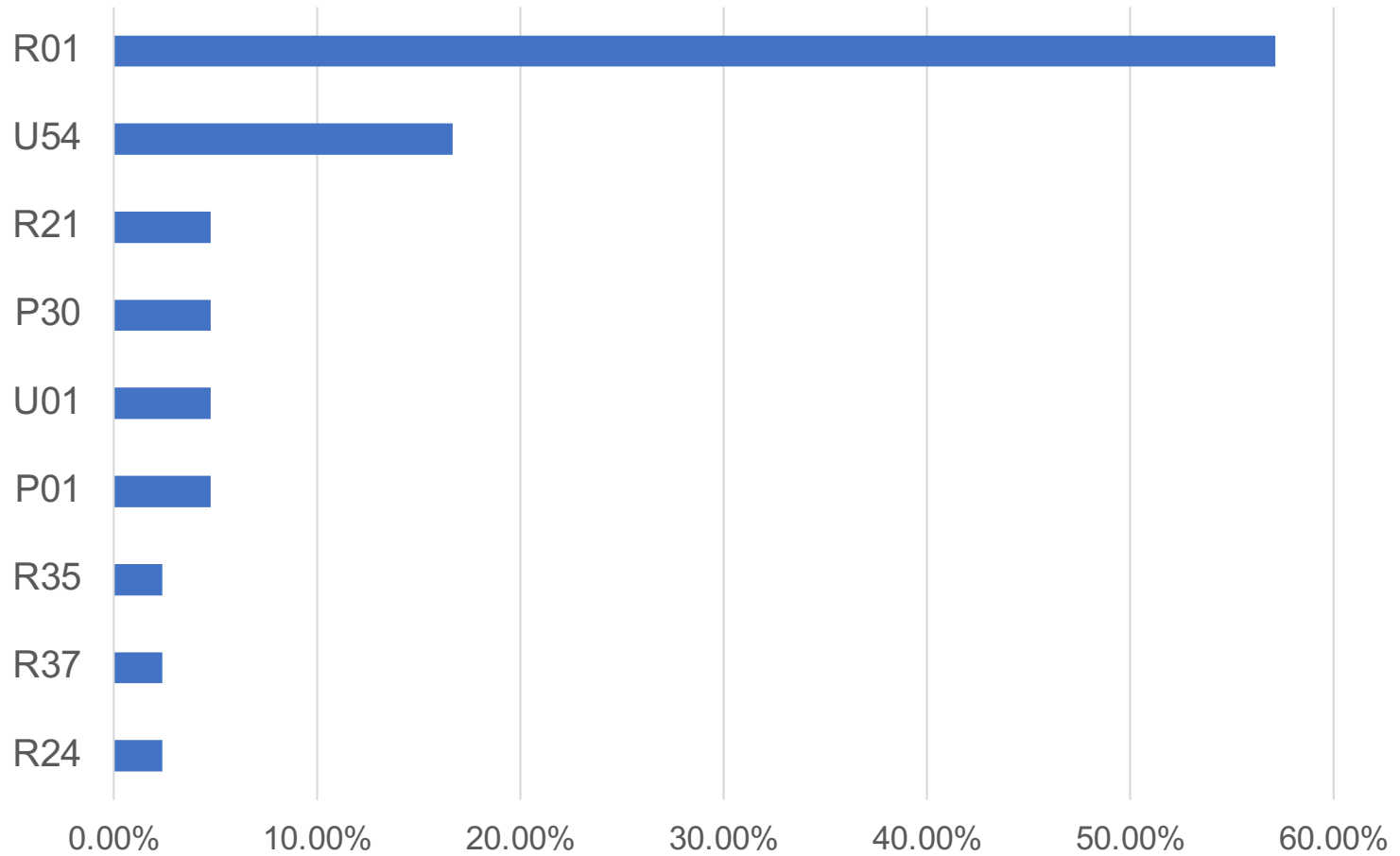


Based on actual annual funded amounts to UCSF DOM from NIH, total costs

Source: NIH Reporter

Diversity Supplements Received by DOM Faculty FY16-FY23

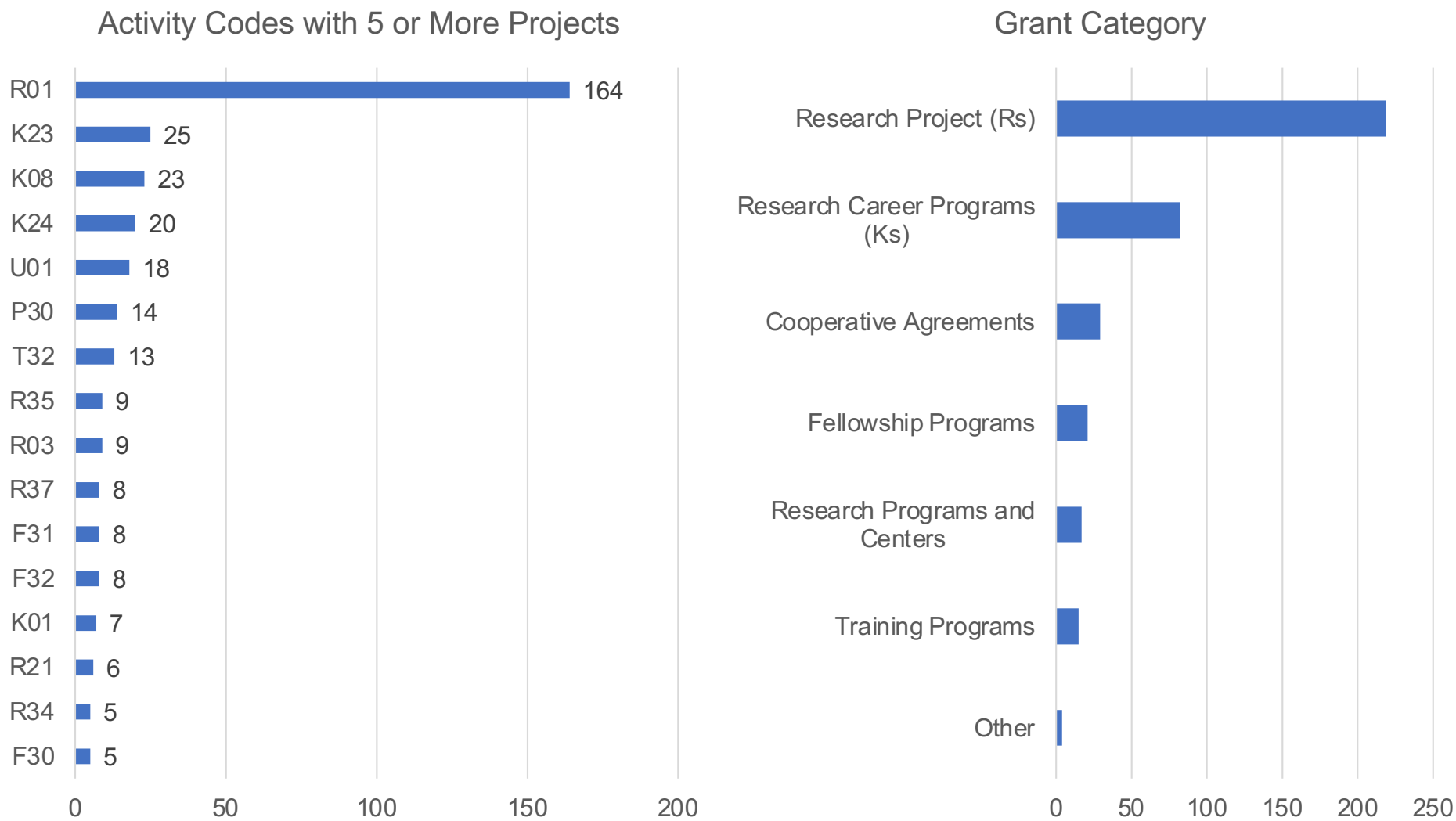
By Activity Code



- By faculty with primary appointment in the DOM – includes awards administered in ORUs.
- Only includes DOM VAMC if submitted through UCSF

NIH Award Counts by Activity Code and Grant Category

Top Activity Codes, NIH FY23

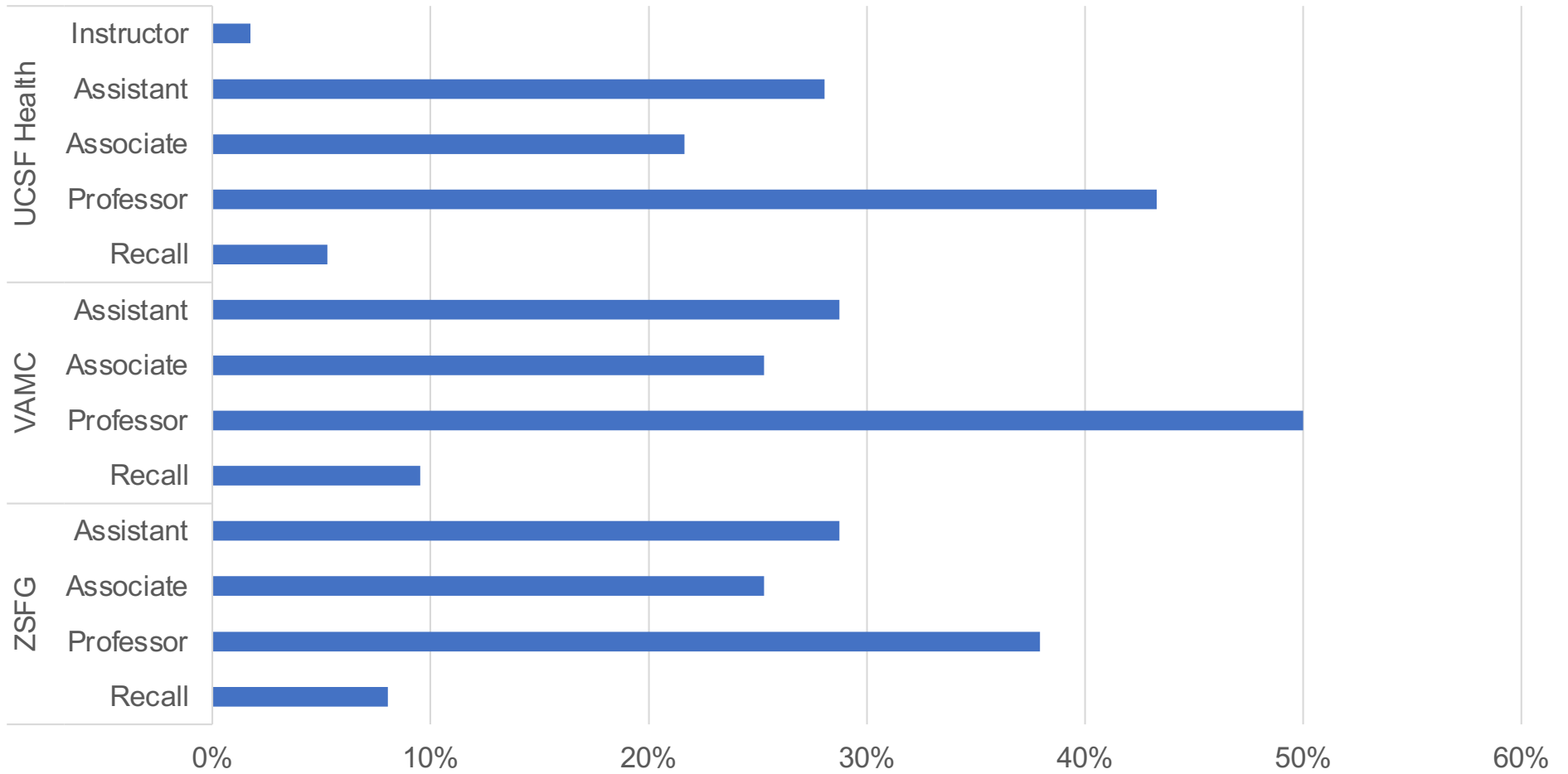


Based on funding to the department from NIH in FY23

Source: NIH Reporter

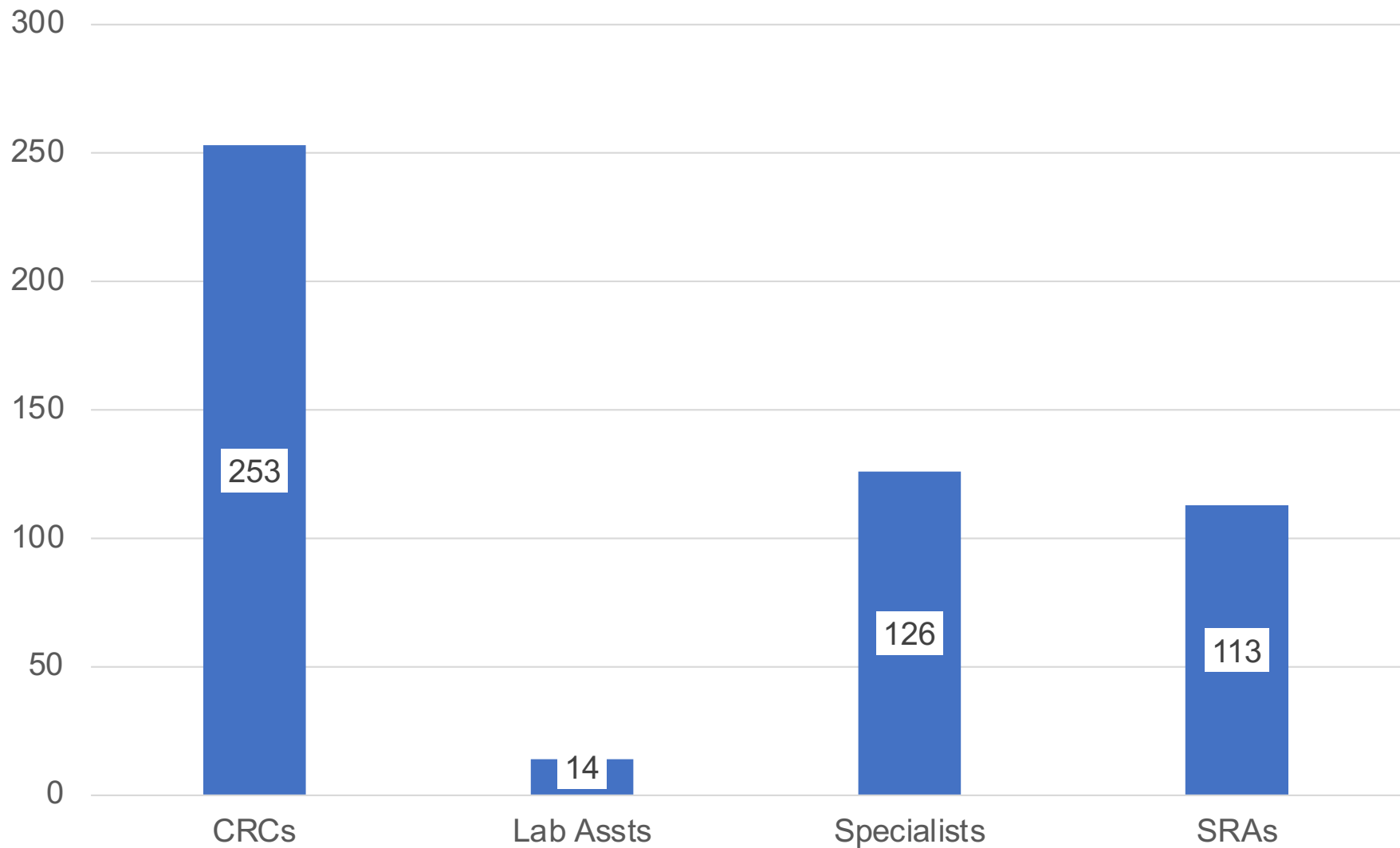
DOM Research Faculty, FY23

By Site and Rank



- Faculty with $\geq 50\%$ of funding from sponsored research based on FY23 payroll distributions

Research Personnel in the DOM as of 2024



- Not shown: Programmers and other research staff, post-award analysts