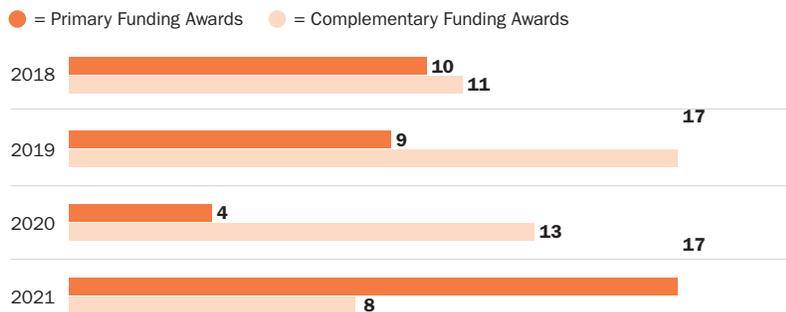


BROADLY REPRESENTATIVE

One of the four 4-VA initiatives, Collaborative Research Grants are intended to bolster research competitiveness within the Commonwealth by providing funding for faculty teams to engage in pilot research that could be used as a springboard for subsequent external funding. With access to funding via a Collaborative Research Grant, faculty teams can build evidence to show that their projects will make valuable, impactful contributions to their fields, thereby increasing their chances of winning larger external grants. The collaborative nature of these grants leverages faculty expertise and resources at participating 4-VA institutions to increase competitiveness and capacity.

There are two funding mechanisms in the 4-VA at UVA Collaborative Research Grants program: primary funding is awarded to a UVA faculty member who is the lead Principal Investigator (PI) on a project and complementary funding is awarded to a UVA faculty member who is a Co-PI on a project funded by another 4-VA institution. Between 2018-2021, the 4-VA at UVA Collaborative Research Grants program supported projects involving 89 UVA faculty members, representing academic departments across the University and collaborations with six other 4-VA institutions.

FUNDING AWARDS 2018-21



\$25,271 Average Primary Funding Award

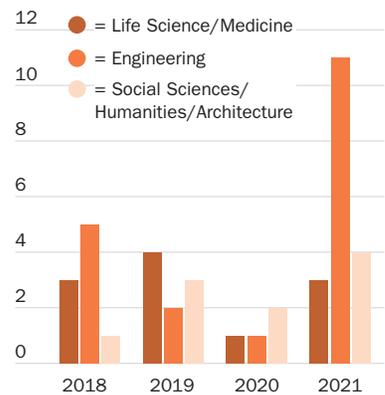
\$1,008,808 Total Primary Funding

\$614,815 Total Complementary Funding

Disciplines Represented in Primary Funding Awards

Receipt of 4-VA at UVA Collaborative Research Grant primary funding is broadly representative of faculty from across the University.

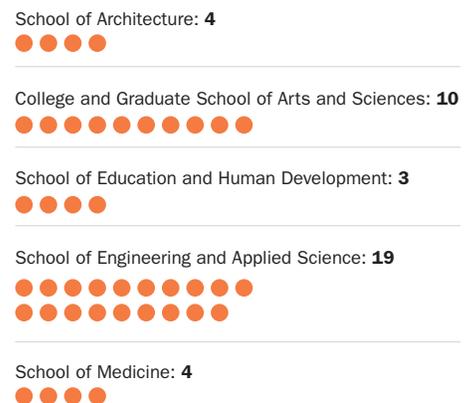
DISCIPLINE CATEGORY BY YEAR



DISCIPLINE CATEGORY 2018-21



NUMBER OF CRG AWARDS BY SCHOOL



COLLABORATION

4

-VA at UVA Collaborative Research Grants promote scholarship across the Commonwealth.

PRIMARY FUNDING AWARD COLLABORATIONS BY INSTITUTION

George Mason University: 4



James Madison University: 8



Old Dominion University: 6



VCU: 11



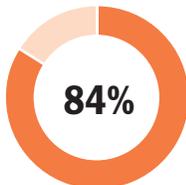
Virginia Tech: 21



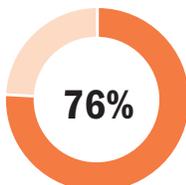
FROM A SAMPLE OF 25 CRG STUDIES:



Studies that involved multiple UVA faculty members



Indicated that their non-UVA Co-PI was a new professional connection with whom they had not previously worked



Respondents that reported that their CRG study led to subsequent studies with their 4-VA collaborators



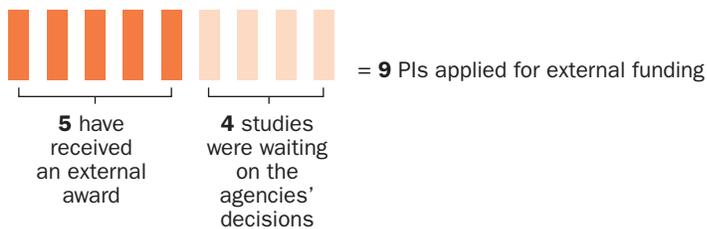
IMPACT

With access to funding via a Collaborative Research Grant, teams can build evidence to show that their projects will make valuable, impactful contributions to their fields, thereby increasing their chances of winning larger external grants.

To better understand the impact of the Collaborative Research Grants program, 4-VA at UVA surveyed the forty faculty members who received primary funding between 2018-2021¹.

¹Twenty-five faculty responded to the survey, representing a 61% response rate.

FUNDING OUTCOMES



CRG-supported projects have been awarded funding by the National Science Foundation, the Department of Education, and the Department of Energy, with external awards ranging from \$10,000 to \$8 million. These data underscore that the 4-VA Collaborative Research Grants program is an effective tool for leveraging strengths and resources across the Commonwealth.

Research Dissemination

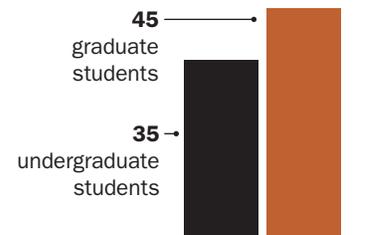
Collaborative Research Grant recipients were asked to report their successes in disseminating the findings from the studies supported by 4-VA at UVA, specifically whether UVA PIs pursued journal publications and conference presentations.

Of respondents, seven studies (29%) resulted in articles published in 14 different peer reviewed academic journals (see page 25 for a full list of references). An additional ten UVA CRG PIs are in the process of submitting articles for review.

Of respondents, sixteen UVA PIs have been invited to present the findings of their studies at twenty-eight different professional conferences. Furthermore, one study's findings (see page 12) has led to in UVA hosting the 7th International Conference on Advanced Nanoparticle Generation and Excitation by Lasers in Liquids (ANGEL) in 2024.

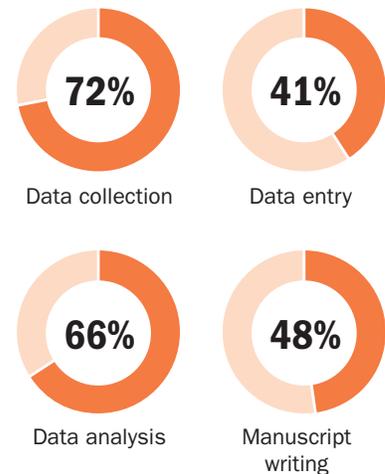
Student Engagement

Student engagement is an important element of the Collaborative Research Grant program, and UVA faculty CRG recipients have demonstrated an excellent record of involving students



STUDENT CONTRIBUTIONS

Students are supporting:



Respondents also reported that students are themselves pursuing academic and professional investigations because of their participation in 4-VA at UVA CRG funded studies. Respondents reported that eleven undergraduate projects, one master's thesis, eight doctoral dissertations, and seven poster presentations have been supported in part by a 4-VA at UVA CRG.