



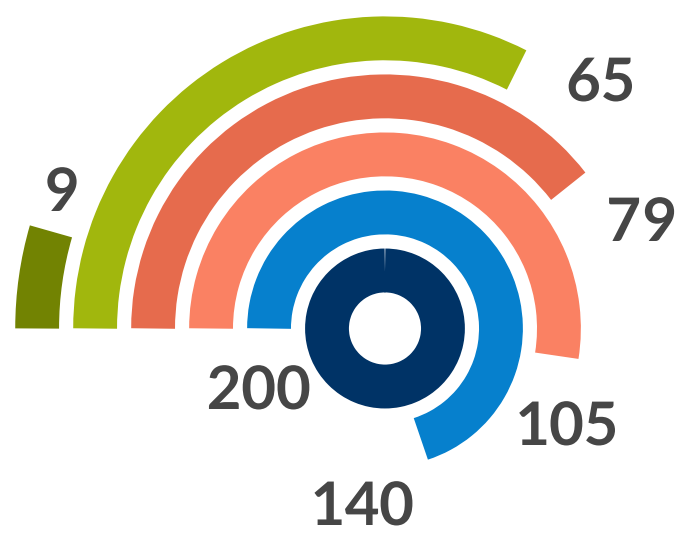
RESEARCH DATA SECURITY TEAM

Activities



Researchers supported

#1

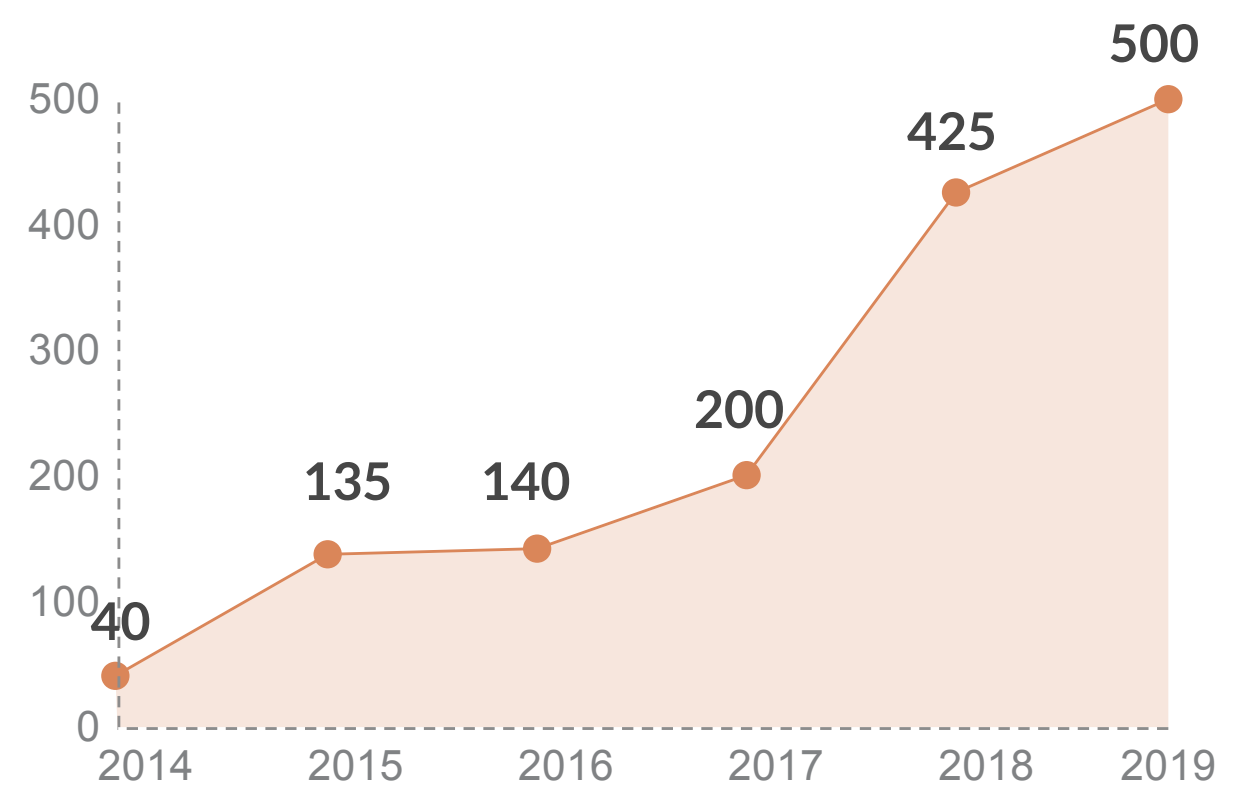


At the end of 2017, PRDN technical resources included 70 TB of storage, 2 GPUS and 500+ cores across 35 research VMs, and we're provisioning 15 new VMs for Fuqua's MQM program. We've worked with 77 data providers, some of them on multiple projects.

■ 2014
 ■ 2015
 ■ 2016
 ■ 2017
 ■ 2018
 ■ 2019
 8 month projected projected

#2

Research projects supported



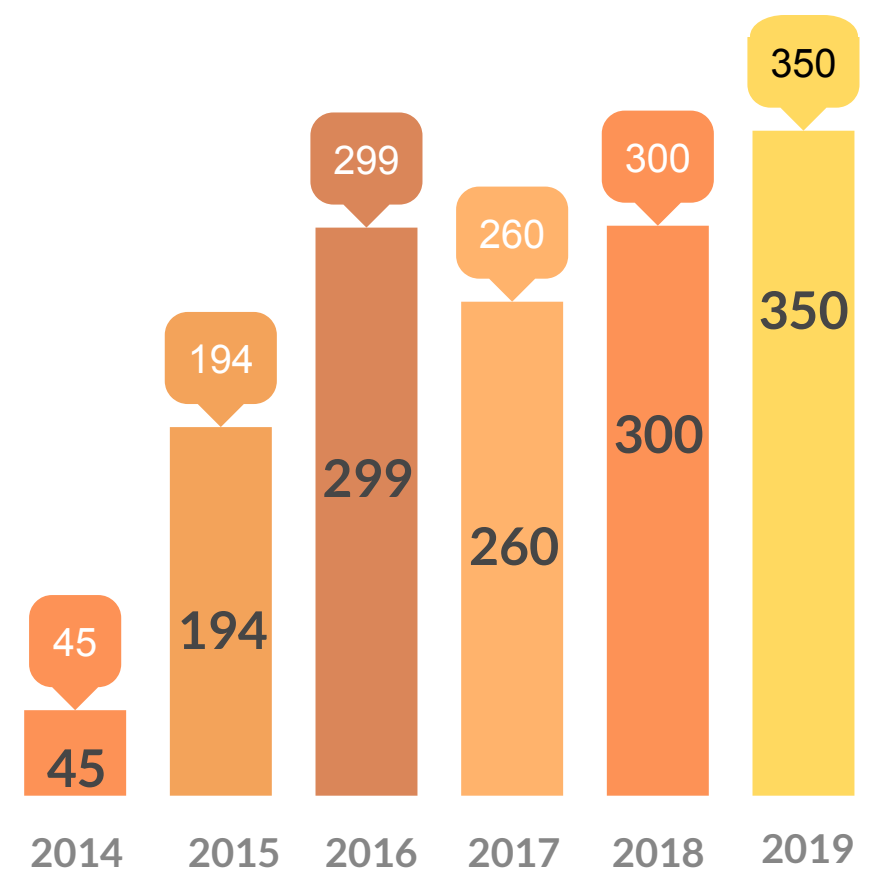
Compliance requirements supported

#3



#4

Research IRBs and DUAs supported



Academic projects supported

#5

2014: 0

2015: 1 Data+ teams, 2 Bass Connections teams, 1 undergraduate honors thesis

2016: 3 Data+ teams, 2 Bass Connections teams, 2 undergraduate honors theses

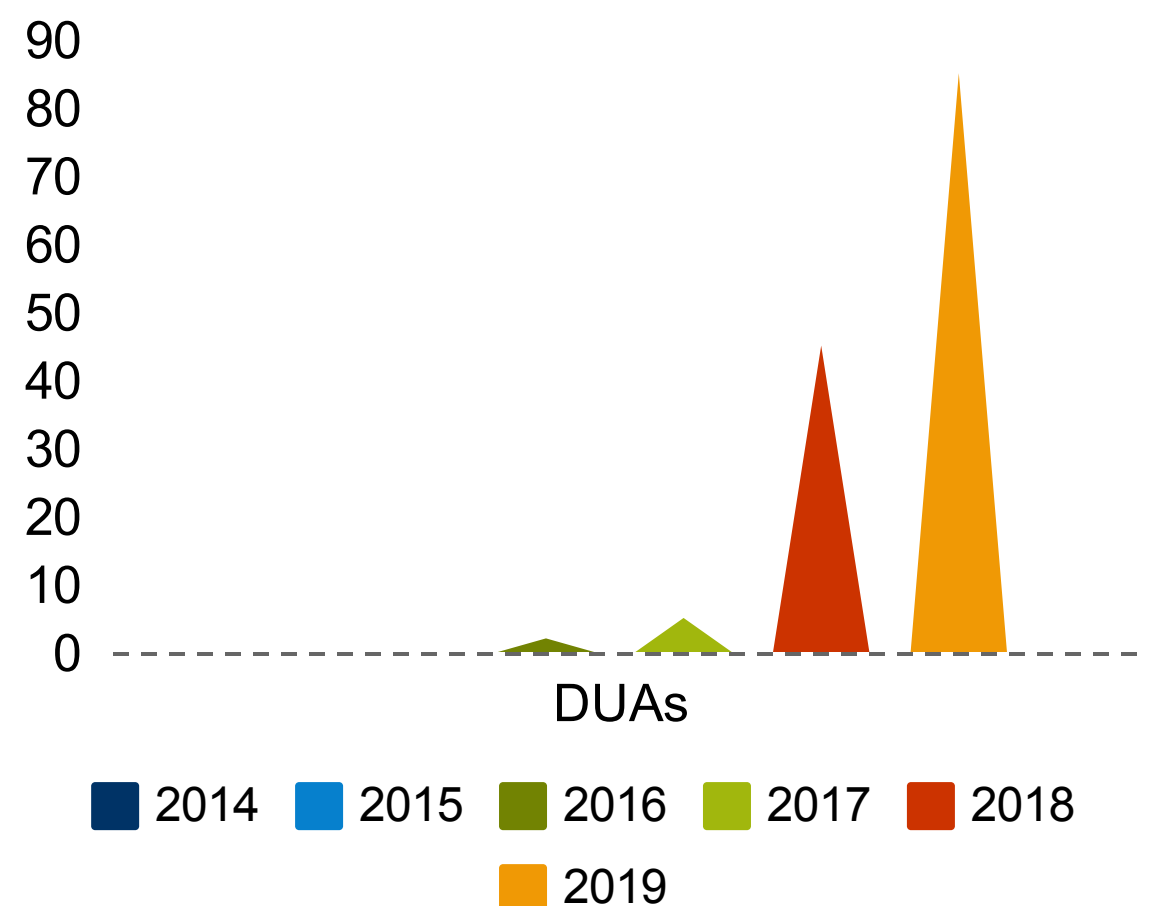
2017: 8 Data+ teams, 2 Bass Connections teams, 1 undergraduate independent study, 2 MQM class projects

2018: 6 Data+ teams, 2 Bass Connections teams, 2 undergraduate honors theses, 25 - 30 MQM capstone teams

2019: 8 Data+ teams, 2 Bass Connections teams, 35 - 40 MQM capstone teams, 40 MIDS capstone projects

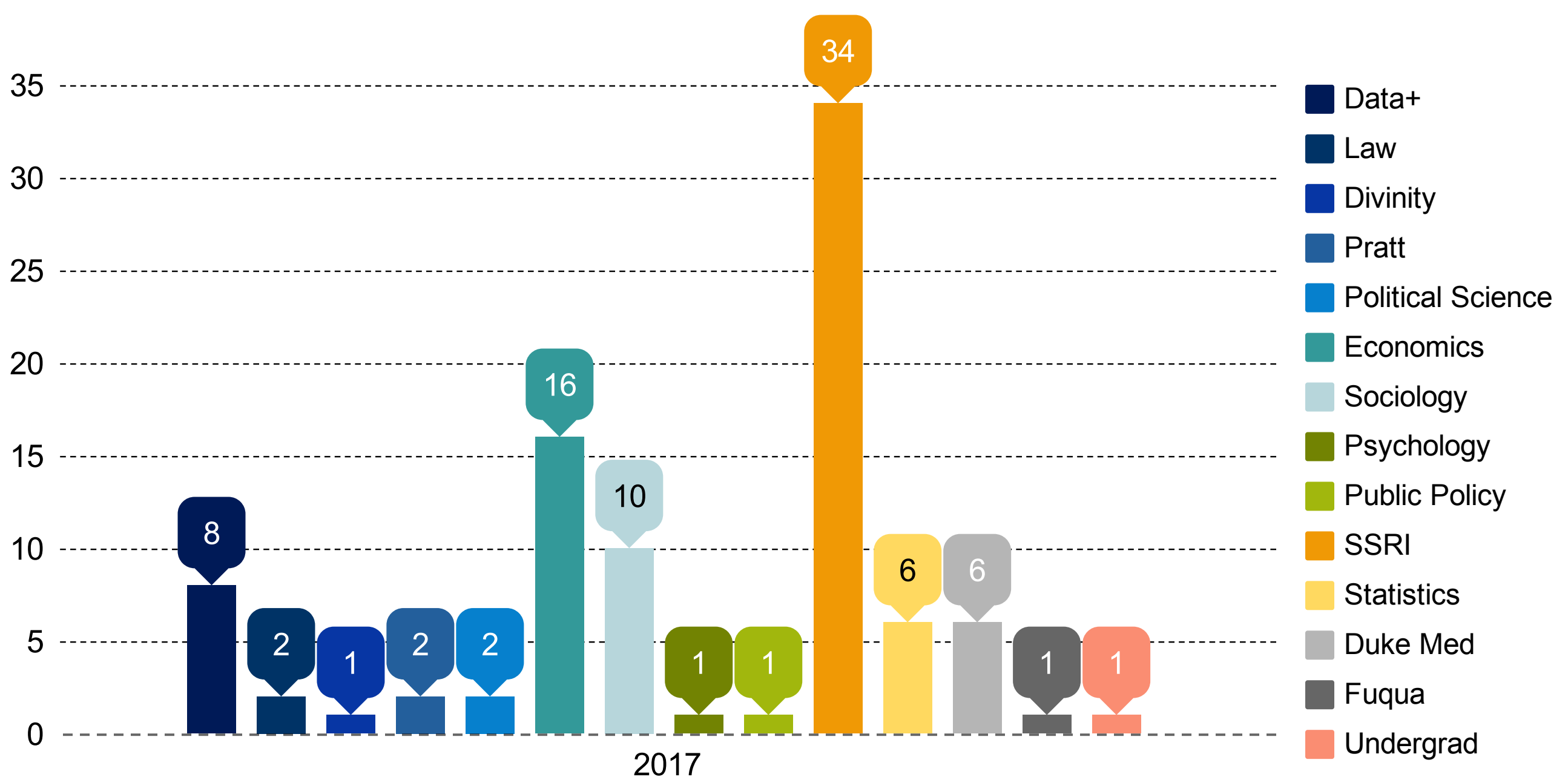
#6

Academic DUAs



PI Affiliations (active projects, as of Dec 2017)

PRDN Projects



2017: A Brief Review

This has been a very busy year for the RDS team, and all indications are that we will be even busier in 2018. Some of our work:

- Completed an audit process with Duke Internal Audit which determined that the PRDN is compliant with NIST 800-66 (HIPAA), but not yet with 800-171 (coming in 2018). It is not clear whether the University will invest in creating an 800-171 compliant environment for research, but SSRI will have an implementation plan if needed.
- Academic program support doubled this year and will grow more next year: We supported 8 Data+ project teams, began scaling operations to support 30 Fuqua MQM capstone project teams in early 2018, and began planning to support SSRI MIDS capstone projects in 2018.
- Worked with University Counsel to revise the PRDN Terms of Use agreement and statement of researchers' responsibilities.
- Formalized agreements and support for small data repositories in the PRDN.
- Participated extensively in planning and process development for PACE in DHE and assisting University researchers with obtaining access to PACE and DHE data.
- Continued to support the research needs of SSRI's affiliated centers and researchers, with all types of research data, whether or not they use SSRI resources.
- Assisted researchers in obtaining access to protected data in enclaves at UMichigan and UChicago (ISR, Chicago Booth & NORC).
- Participated in ImPact and Big Data hub grant operations.
- Planning the creation of an SSRI Social Determinants of Health data for collaboration with EHR providers – first phase is a 2018 Data+ project with MURDOCK and Cabarrus county.