FY2020 and FY2021
Academy NIH Data Collection Guidelines for
Funding to Diagnostic Radiology Project

The NIH funding to diagnostic radiology departments has been reported annually since the project was initiated in the early 90s by Stanley Baum, MD. This information is tracked annually for each fiscal year (FY) and shared by the Academy to show the amount of Federal funding from the NIH that goes to diagnostic radiology, as well as how that funding is allocated across radiology departments. Shown below is a chart depicting the history of this funding between 1985 and 2021 (note the outlying increase in 2010 as a result of the American Recovery and Reinvestment Act).
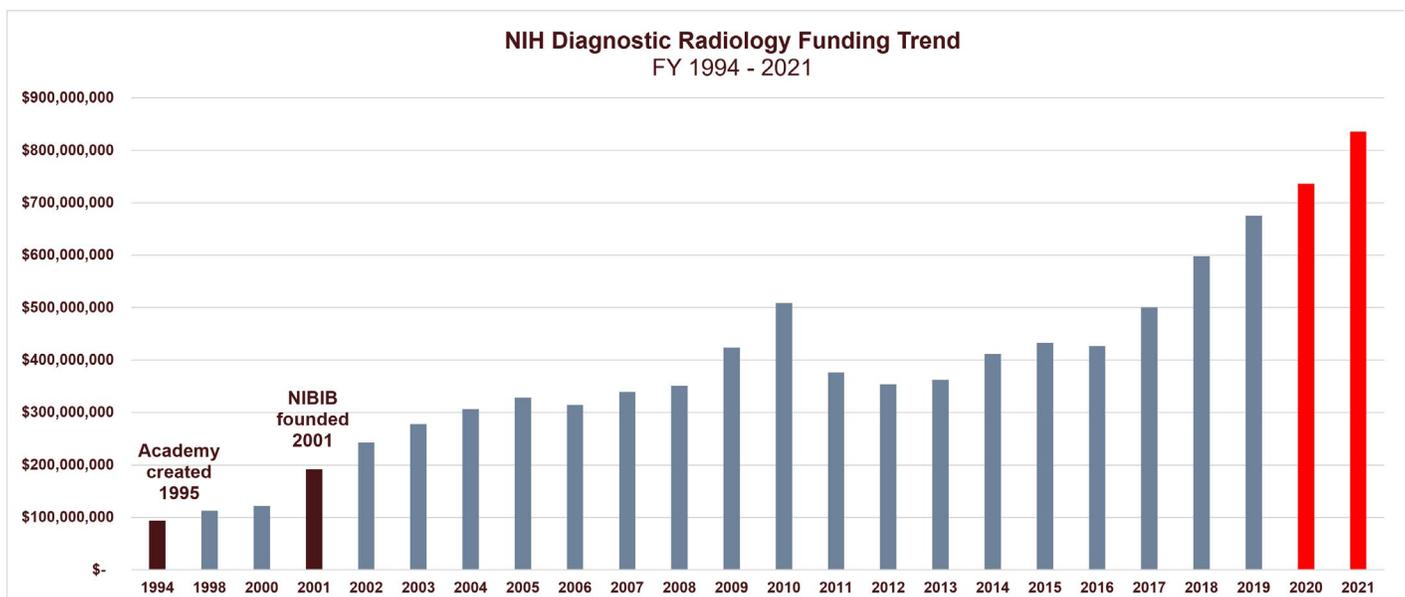
The Academy leverages these data as a strong advocacy tool on behalf of our community. In addition, we realize that many academic radiology leaders use these data for benchmarking their programs and advocating for their departments. The Academy's goal has been to employ a transparent way to disseminate the data to empower departments while reflecting the Academy's role in the dissemination. The growth in multi-investigator collaborative research has led to challenges in apportioning credit in a formal ranking system, so in 2019, after much discussion about how this project intersects with the Academy's mission and its overall value to our membership, the Executive Committee voted to disseminate the data in a new, more dynamic format. The Academy now distributes an ALPHABETICAL list, as opposed to a ranked order. You will find more details in the nine-step instructional guide below.

Additionally, each year the project normally begins with the submission of a request to the Freedom of Information Act (FOIA) Office as well as the Office of Extramural Research (OER) within the NIH for the research and training grants awarded to departments of radiology at U.S. medical schools. **This year, due to the major delays of these requests for FY2020 and FY2021 arising from COVID-19, the Academy decided to ask member departments, research hospitals, and non-member departments (included in the FY19 data collection) to submit their own data. Through the use of NIH Reporter Academy staff vetted each grant individually before adding to a department's final totals, departments were even given the chance to review the Academy's changes and offer more evidence for inclusion. Through this process the Academy was able to transparently collect and collate two years of NIH funding to diagnostic radiology.**

The following pages contain the steps used to complete this year's data collection project. They also include details provided to departments on how to vet and submit their data so that they can be included in the Academy's NIH Data Collection Project for FY2020 and FY2021.

For more information about the Academy's NIH Data Collection Project please visit:

http://www.acadrad.org/nih-datacollection-project/

This table reflects the overall increases in funds to Diagnostic Radiology since 1994. The red lines indicate the year's data collection figures.

Processing of Submitted Data and Academy Next Steps
Please review the below guidelines carefully. Should you have any questions please do not hesitate to reach out to Academy staff, Casey Cappelletti, ccappelletti@acadrad.org.

1 **Grants to Non-Radiology departments should not be included**

Grants from the following departments will not be counted in the Academy's data collection project:

- Radiation Medicine
- Radiation Medicine and Applied Sciences
- Radiation and Cellular Oncology
- Radiation Oncology
- Radiation Oncology and Molecular Sciences

Grants from the following departments will be counted in the Academy's data collection project:

- Center for Magnetic Resonance Research
- Center for Radiological Research
- Diagnostic Radiology
- Diagnostic Radiology and Nuclear Medicine
- Institute of Radiology
- Medical Imaging
- Radiological Sciences
- Radiology
- Radiology and Biomedical Imaging
- Radiology and Imaging
- Radiology and Imaging Sciences
- Radiology and Radiological Science
- Therapeutic Radiology
- RADIATION-DIAGNOSTIC/ONCOLOGY (All reported grants in this category are vetted thoroughly, but are included in the NIH reporting system under the overall category of Radiology grants.)

2 **Clarified MPI awards**

A grant may have a Contact Principal Investigator (Contact PI) and Multiple Principal Investigators (MPIs) in separate departments. In prior years, to ensure we didn't allocate an award to more than one institution we credited the total award to a single PI—typically the Contact PI. In instances where the Contact PI was not in a Radiology department, but an MPI was, the total grant amount was credited to the department of the MPI. While this situation was very infrequent, it did mean that the total funding to our field was slightly over-estimated because a total grant award was being allocated to a Radiology department even though it only received a portion of the total award.

For this reason, a modified process was followed for FY2020 and FY2021. Departments were asked to subdivide awards where appropriate (see categories in step 7). In this way, the total amount allocated for these MPI grants is a true reflection of the dollars granted to radiology.

3 **Vetted all collected data from Academy member departments & invited non-member departments from FY19's collection**

Once we received individual lists from departments for FY2020 and FY2021, we created individual master spreadsheets and totaled all applicable awards, paying attention to the items below:

- Ensured grants were entered in the appropriate format on the Excel template.
- Checked that institution lists did not include sub-awards.
- Made sure all the award amounts submitted were what they received in that fiscal year, not spent that year.
- Cross checked all grants included on these lists with NIH Reporter and, if needed, scheduled calls with the departments to discuss the eligibility of those grants.
- Removed duplicate grants that had already been reported in previous years or by other institutions included in the project.

4 **Separating out ECOG-ACRIN**

ECOG-ACRIN is a broad-based effort involving many centers and supports research at a large number of institutions in this data collection. To be equitable to the many centers involved, funding will not be attributed to any academic department. We recognize the strong leadership of these institutions in this effort and encourage departments to submit those grants in the indicated tab on the Excel spreadsheet. However, for clarity we will only attribute the ECOG-ACRIN dollars to ACRIN, thereby contributing to the total radiology funding amount for FY2020 and FY2021 but not to the funding totals for institutions.

5 **Contacted all Academy members and non-members present in the FY19 data collection, to cross check their vetted data sheets**

Once the data had been collected, the Academy staff vetted each submitted grant in NIH Reporter to ensure its consistency with the inclusion guidelines. The revised individual grant sheets were sent back to each submitting department for review so that they could dispute certain changes if appropriate by providing more evidence for their eligibility.

If departments did not submit changes by our requested deadline all amendments were made, and totals finalized.

6 **Conducted NIH Reporter Research for departments who did NOT answer our request for FY20 and FY21 data**

Once the deadline for submission of data passed, Academy staff conducted individual searches within NIH Reporter for all members, non-members, and research hospitals who did not respond to our data request. Staff searched for grants within the correct fiscal year that fell under the category of RADIATION-DIAGNOSTIC/ONCOLOGY, as that is the over-arching category covering most imaging and radiology-related grant funding within the NIH Reporter system.

Staff then vetted all results to ensure grants generated fell within the guidelines for inclusion. These totals only appear in one of the categories, Contact PI on Grant to Primary Organization.

7 **Create a breakdown of all data into four categories in an Excel spreadsheet**

- Contact PI on a grant to the Primary Organization
- One of Multiple PIs on a grant to the Primary Organization
- Contact PI on a grant awarded to Another Organizations
- One of Multiple PIs on a grant awarded to Another Organization

8 **Send "early release" to all Academy member departments**

All Academy member departments will receive access to the final data before they are published publicly.

9 **Post the data collection materials on the Academy website & disseminate broadly via social media and Academy web resources**