



The **ACADEMY** for Radiology & Biomedical Imaging Research

Advancing Innovation in Imaging Science

NIH Diagnostic Radiology Grant Ranking Project

The NIH funding to diagnostic radiology has been reported annually since the early 90's by Stanley Baum, MD. This information is tracked and shared by the Academy to show the amount of federal funding from the NIH that goes to diagnostic radiology as well as how much of that funding is allocated across Radiology Departments. Shown below is a chart depicting the history of this funding as reported by Dr. Baum between 1985 and 2017 (note the outlying increase in 2010 as a result of the American Recovery and Reinvestment Act). The raw data received from the NIH includes information on grants awarded to Principal Investigators (PI) with primary appointments in a Radiology Department at a US Medical School.

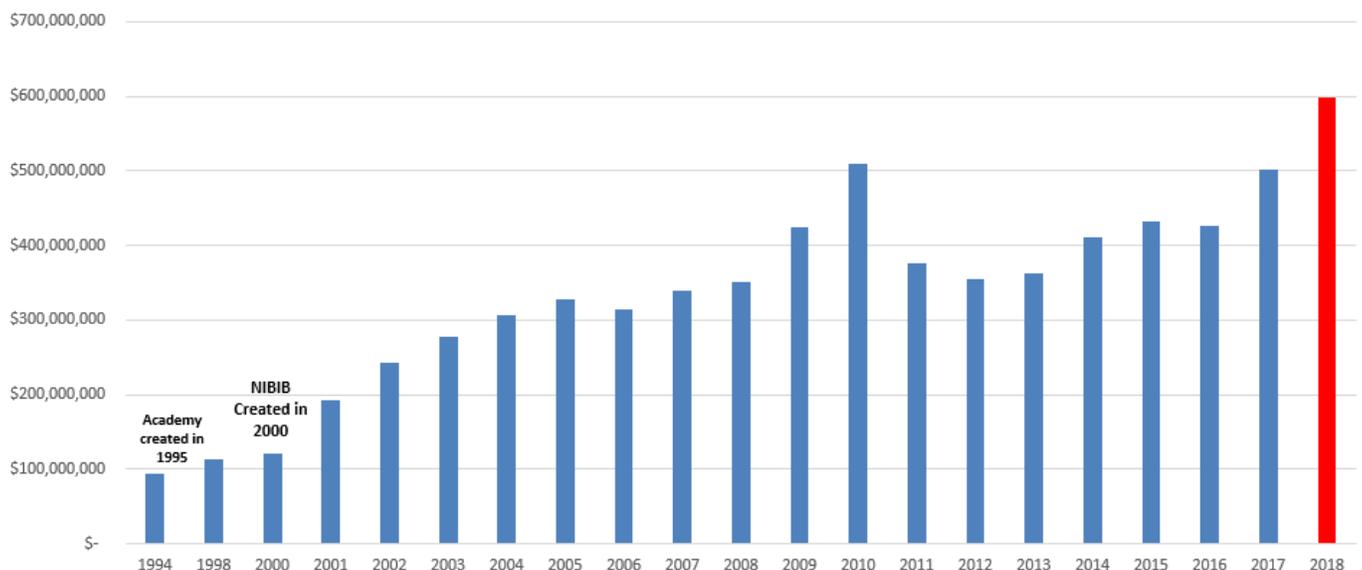
The Academy would like to recognize in appreciation Dr. Stanley Baum for his many years of commitment towards this effort. This year, Academy President Dr. Hricak convened a task force to review and refine the process for this initiative ensuring transparency and verification. Dr. Jason Lewis led this task force effort along with Dr. Pamela Woodard and Dr. Norbert Pelc. Academy staff member Casey Cappelletti collected, collated, disseminated and collectively verified all of the data used in this ranking chart. The Academy thanks the task force and Academy staff for their leadership and efforts to ensure that this valuable initiative continues to instill pride in radiology research and confidence in the Academy.

Every year, the project begins with the submission of a Freedom of Information Act (FOIA) request to the Office of Extramural Research (OER) at the NIH for the research and training grants awarded to Principal Investigators (PI's) with primary appointments in departments of radiology at U.S. medical schools. We then receive raw data from the NIH in a master Excel spreadsheet.

On the following pages are the steps on how we processed the raw data and finalized the ranking for 2018.

For more information about the Academy's NIH ranking project and the newly appointed Task Force please visit: <http://www.acadrad.org/nih-ranking-project/>

NIH Diagnostic Radiology Funding Trend



1 **Removed Non-Radiology grants from the raw data**

Grants from the following departments were not counted in the Academy's ranking:

- Center For Radiological Research
- Radiation Medicine
- Radiation Medicine And Applied Scis
- RADIATION-DIAGNOSTIC/ONCOLOGY
- Radiation And Cellular Oncology
- Radiation Oncology
- Radiation Oncology And Molecular Sciences
- Therapeutic Radiology

Grants from the following departments were counted in the Academy's ranking:

- Center For Magnetic Resonance 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

2 **Removed MPI(s)**

A grant may have a Contact Principal Investigator (Contact PI) and Multiple Principal Investigators (MPIs). We counted only one PI in each department for each grant. This step ensured that we didn't attribute a grant twice to a given medical school. If the Contact PI was in a Radiology department and the associated department claimed the full grant amount, MPIs were deleted. If the Contact PI was not in a Radiology department and an MPI was, the grant amount was credited to the department of the MPI. While this situation was very infrequent, it does mean that the total funding to our field for 2018 will be slightly over-estimated.

3 **Contacted research hospitals for their grant information**

The raw NIH data lists grants at radiology departments which are part of a university. Some NIH grants go through a hospital or foundation and therefore are not included on the initial list. The Chairs of Radiology at these institutions (i.e. MGH, BWH, Sloan Kettering) were contacted to gather their grant information independently.

On the next page is a list of institutions we contacted in 2018:

- Brigham and Women's Hospital
- Massachusetts General Hospital
- Mayo Clinic
- Memorial Sloan Kettering Cancer Center
- Michigan State University
- Moffitt Cancer Center
- Beth Israel Deaconess
- MD Anderson Cancer Center

4 Added hospital grants to the master Excel spreadsheet

Once we received individual lists from the above institutions, we added them to the master spreadsheet, paying attention to the items below:

- Ensured grants were entered in the same format as those on the master list.
- Checked that institution lists do not include sub-awards.
- Made sure all the award amounts sent to us are what they received in this fiscal year, not spent this year.
- Cross checked all grants included on these lists with NIH Reporter and, if needed, scheduled conference calls with the hospitals to discuss the eligibility of those grants.

5 Separated out ECOG-ACRIN

ECOG-ACRIN is a broad-based effort involving many centers and supporting research and an even larger number of institutions. Funding to ECOG-ACRIN is administered through the University of Pennsylvania. To be equitable to the many centers involved, it was determined not to attribute the funding to a single academic department. We recognize the strong leadership of the University of Pennsylvania in this effort; but, for clarity, we included the ECOG-ACRIN dollars attributed to only ACRIN (radiology) to the total funding amount for FY 2018.

6 Created a PivotTable to add up the total grants of all medical schools and research hospitals, and ranked them in a descending order

7 Sent individual data to all institutions included in the DRAFT ranking to ensure accuracy and transparency

All contacted institutions had one week to cross check our data and send us any grants they felt should be included. All submitted grants were subject to the same review as those sent from our FOIA request and those sent from research hospitals.

8 Posted the ranking on the Academy website homepage

Created PDF or Word files and sent out to all participating institutions, post to social media, post to Academy website.