

National Human Genome Research Institute

CONGRESSIONAL JUSTIFICATION
FY 2027

Department of Health and Human Services
National Institutes of Health

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DEPARTMENT OF HEALTH AND HUMAN SERVICES

NATIONAL INSTITUTES OF HEALTH

National Human Genome Research Institute (NHGRI)

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General Notes

1. FY 2026 Enacted levels cited in this document include the effects of the FY 2026 HIV/AIDS transfer.
2. Estimates assume reauthorization of the SBIR/STTR program in FY 2026 and FY 2027.
3. Detail in this document may not sum to the subtotals and totals due to rounding.

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National Human Genome Research Institute Overview

While the completion of the Human Genome Project in April 2003 is one of the greatest scientific accomplishments in history, it was only the beginning of a longer, ongoing journey translating new genomic knowledge to acquire a deeper understanding of human biology and improve the practice of medicine. Created to carry out the Human Genome Project, the National Human Genome Research Institute (NHGRI) continues to build on its foundational contributions to that project as it works to improve the health of all humans through advances in genomics research. NHGRI plays a central role in conceptualizing, organizing, and funding the biological discoveries, advances in technology development, and clinical applications that will lead to more widespread integration of genomics into almost all areas of biomedical research.

To maximize the utility of the ever-increasing amounts of genomic data, NHGRI supports research in computational biology and data science, including artificial intelligence (AI) and machine learning (ML) tools for analyzing genomic and related data in basic, translational and clinical settings. For example, the NHGRI ML/AI Tools to Advance Genomic Translational Research (MAGen) Program develops, refines and applies ML/AI technologies for analysis of multiple data types at once (such as genomic, other ‘omic, phenotypic, electronic health record, mobile health sensor and other data) to predict how genomic variants influence genome function or potentially increase risk for a disease. These efforts promise to shed new light on the interplay between genomic and non-genomic factors in health and disease.

As the applications of genomics in medicine continue to expand, genomic information about individual patients must be effectively integrated into mainstream clinical care. To facilitate this, NHGRI is leading research efforts to understand how health care professionals can incorporate the use of genomic information in their routine work. For example, the institute is supporting the Genomics-enabled Learning Health Systems (gLHS) Network, in collaboration with the National Cancer Institute (NCI). This network of health centers enables the rapid translation of new genomic knowledge into improvements in clinical care. By requiring the use of common data standards and fostering interoperability, the resulting findings should benefit patients outside the network, including those at rural hospitals and other health care settings.

To meet the challenges of a changing landscape in genomics and health care, NHGRI is committed to developing a robust genomics workforce that can effectively integrate genomics in the research, health care, and commercial sectors – both now and in the future. The institute is also committed to leading efforts to increase the number of individuals from institutions that receive low levels of NIH funding in science who acquire the necessary training to pursue careers in genomics.

Major Changes in the Budget Request

Major changes by budget mechanism and/or budget activity detail are briefly described below. Note these highlights may not sum to the total change for the FY 2027 President's Budget request for the National Human Genome Research Institute (NHGRI) of \$619.5 million, which is a decrease of \$40.2 million, or 6.1 percent compared with the FY 2026 Enacted level. The FY 2027 President's Budget reflects the Administration's fiscal policy goals for the Federal Government. All extramural grant mechanisms reflect the Administration's policy to limit indirect costs for research grants to a maximum of 15 percent of direct cost. Within this request level, NHGRI will pursue its highest research priorities through strategic investments and careful stewardship of appropriated funds.

Research Project Grants (RPGs) (-\$3.7 million, total \$294.4 million):

Noncompeting Research Project Grants (RPGs) assume a default decrease of 10.0 percent from the committed levels. The FY 2027 request will implement the NIH policy to fully fund all outyear commitments as part of the initial grant award for competing RPGs. Overall, the RPG budget will decrease 1.2 percent relative to the FY 2026 Enacted level.

Research Centers (-\$2.0 million, total \$6.7 million):

Similar to RPGs, noncompeting Research Center awards are reduced 10.0 percent from the committed levels. The funding amount, which is a decrease of 23.4 percent below the FY 2026 Enacted level, represents FY 2027 commitments to competing awards made in FY 2025 and prior fiscal years.

Other Research (-\$11.6 million, total \$120.3 million):

Consistent with the RPGs, noncompeting awards in Other Research will be reduced 10.0 percent from the committed levels except for the awards within the Research Careers budget mechanism. Research Career Awards represent a small but highly significant investment in the future of genomics. These programs are extremely impactful for developing early-career investigators. Overall, the Other Research budget will decrease by 8.8 percent relative to the FY 2026 Enacted level.

Research Training (-\$1.4 million, total \$10.0 million)

The request for National Research Service Awards (NRSA) represents a 12.2 percent decrease relative to the FY 2026 Enacted level. This request funds 12 fewer slots for Full-Time Equivalent Training Positions and the stipends and benefits for predoctoral and postdoctoral trainees are frozen in FY 2027.

Intramural Research (-\$19.7 million, total \$121.2 million)

This budget requests \$121.2 million for Intramural Research, a 14.0 percent decrease relative to the FY 2026 Enacted level. This budget request aligns with the budget proposal to cap Title 42 salaries.

Research Management and Support (-\$3.5 million, total \$40.6 million)

This budget requests \$40.6 million for Research Management and Support, an 8.0 percent decrease relative to the FY 2026 Enacted level. This budget request aligns with the budget proposal to cap Title 42 salaries and supports the management of NIH and NHGRI infrastructure.

BUDGET MECHANISM TABLE

**NATIONAL INSTITUTES OF HEALTH
National Human Genome Research Institute**

Budget Mechanism *
(Dollars in Thousands)

Mechanism	FY 2025 Final		FY 2026 Enacted		FY 2027 President's Budget		FY 2027 +/- FY 2026	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Research Projects:								
Noncompeting	264	\$202,980	208	\$140,083	149	\$74,469	-59	-\$65,614
Administrative Supplements	<i>(13)</i>	<i>\$7,386</i>	<i>(37)</i>	<i>\$50,000</i>	<i>(21)</i>	<i>\$29,959</i>	<i>-(16)</i>	<i>-\$20,041</i>
Competing:								
Renewal	9	\$21,781	9	\$23,607	13	\$40,100	4	\$16,493
New	38	\$47,192	44	\$67,261	39	\$133,404	-5	\$66,143
Supplements	0	\$0	0	\$0	0	\$0	0	\$0
Subtotal, Competing	47	\$68,972	53	\$90,868	52	\$173,504	-1	\$82,636
Subtotal, RPGs	311	\$279,339	261	\$280,951	201	\$277,932	-60	-\$3,019
SBIR/STTR	22	\$16,164	22	\$17,114	22	\$16,449	0	-\$665
Research Project Grants	333	\$295,502	283	\$298,065	223	\$294,381	-60	-\$3,684
Research Centers								
Specialized/Comprehensive	2	\$5,048	3	\$5,812	2	\$4,157	-1	-\$1,655
Clinical Research	0	\$0	0	\$0	0	\$0	0	\$0
Biotechnology	1	\$2,914	1	\$2,885	1	\$2,506	0	-\$379
Comparative Medicine	0	\$0	0	\$0	0	\$0	0	\$0
Research Centers in Minority Institutions	0	\$0	0	\$0	0	\$0	0	\$0
Research Centers	3	\$7,963	4	\$8,697	3	\$6,663	-1	-\$2,034
Other Research:								
Research Careers	39	\$6,281	39	\$6,383	35	\$6,102	-4	-\$281
Cancer Education	0	\$0	0	\$0	0	\$0	0	\$0
Cooperative Clinical Research	0	\$0	0	\$0	0	\$0	0	\$0
Biomedical Research Support	0	\$0	0	\$0	0	\$0	0	\$0
Other Biomedical Research Support	0	\$120	0	\$0	0	\$0	0	\$0
Other	99	\$132,880	86	\$125,512	74	\$114,228	-12	-\$11,284
Other Research	138	\$139,281	125	\$131,895	109	\$120,330	-16	-\$11,565
Total Research Grants	474	\$442,746	412	\$438,657	335	\$421,374	-77	-\$17,283
Ruth L Kirschstein Training Awards:	FTEPs		FTEPs		FTEPs		FTEPs	
Individual Awards	15	\$815	15	\$826	13	\$726	-2	-\$100
Institutional Awards	158	\$10,475	158	\$10,621	148	\$9,323	-10	-\$1,298
Total Research Training	173	\$11,290	173	\$11,447	161	\$10,049	-12	-\$1,398
Research & Develop. Contracts	15	\$24,154	10	\$24,500	10	\$26,239	0	\$1,739
<i>SBIR/STTR (non-add)</i>	<i>(0)</i>	<i>(\$331)</i>	<i>(0)</i>	<i>(\$330)</i>	<i>(0)</i>	<i>(\$330)</i>	<i>(0)</i>	<i>(\$0)</i>
Intramural Research	214	\$138,145	195	\$140,908	195	\$121,208	0	-\$19,700
Res. Management & Support	137	\$43,351	123	\$44,174	123	\$40,644	0	-\$3,530
<i>SBIR Admin. (non-add)</i>		<i>(\$9)</i>		<i>(\$6)</i>		<i>(\$6)</i>		<i>(\$0)</i>
Construction		\$0		\$0		\$0		\$0
Buildings and Facilities		\$0		\$0		\$0		\$0
Total, NHGRI	351	\$659,686	318	\$659,686	318	\$619,514	0	-\$40,172

* All items in italics and brackets are non-add entries.

SUMMARY OF CHANGES

**NATIONAL INSTITUTES OF HEALTH
National Human Genome Research Institute**

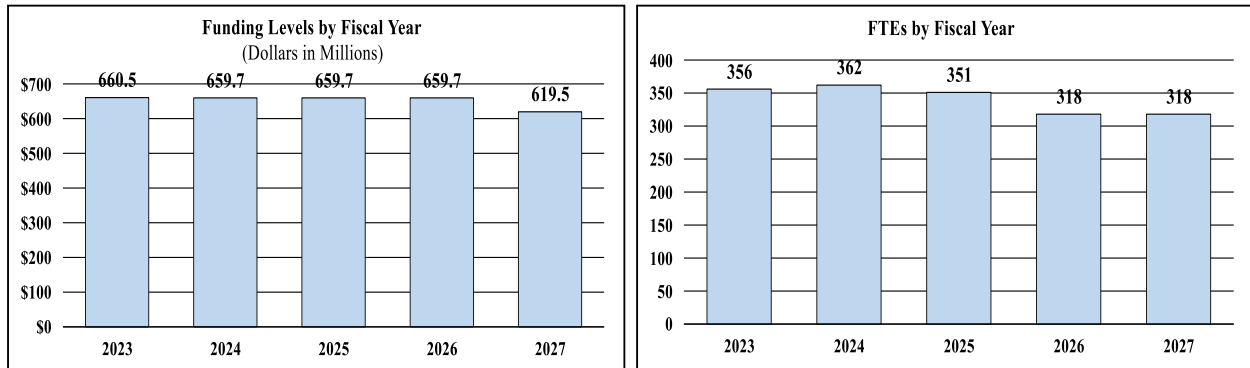
Summary of Changes

(Dollars in Thousands)

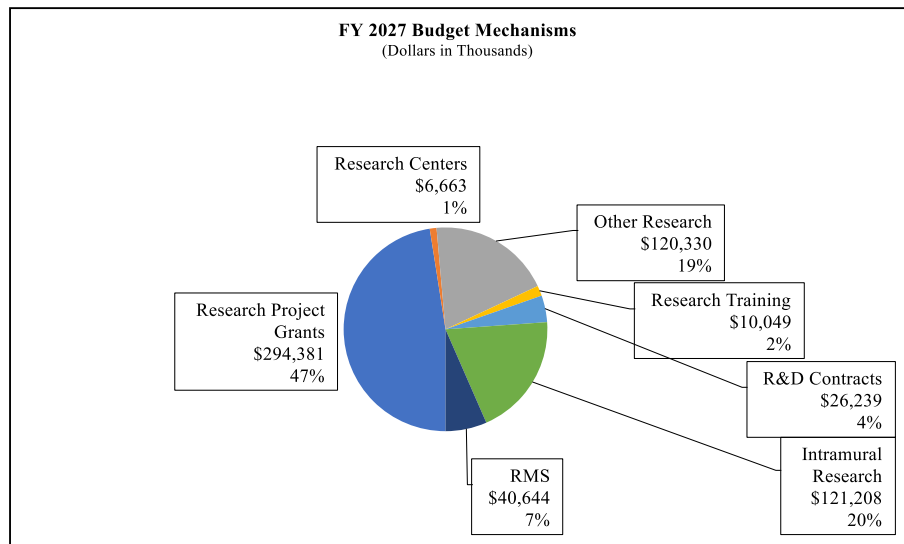
FY 2026 Enacted	\$659,686
FY 2027 President's Budget	\$619,514
Net change	-\$40,172

CHANGES	FY 2026 Enacted		FY 2027 President's Budget		Built-In Change from FY 2026 Enacted	
	FTEs	Budget Authority	FTEs	Budget Authority	FTEs	Budget Authority
A. Built-in:						
1. <u>Intramural Research:</u>						
a. Annualization of FY 2026 pay and benefits increase		\$51,902		\$48,727		\$194
b. FY 2027 pay and benefits increase		\$51,902		\$48,727		\$3
c. Paid days adjustment		\$51,902		\$48,727		\$0
d. Differences attributable to change in FTE		\$51,902		\$48,727		\$0
e. Payment for centrally furnished services		\$22,055		\$19,850		-\$2,206
f. Cost of laboratory supplies, materials, other expenses, and non-recurring costs		\$66,951		\$52,631		-\$1,945
Subtotal						-\$3,954
2. <u>Research Management and Support:</u>						
a. Annualization of FY 2026 pay and benefits increase		\$25,632		\$25,099		\$95
b. FY 2027 pay and benefits increase		\$25,632		\$25,099		-\$3
c. Paid days adjustment		\$25,632		\$25,099		\$0
d. Differences attributable to change in FTE		\$25,632		\$25,099		\$0
e. Payment for centrally furnished services		\$1,236		\$1,113		-\$124
f. Cost of laboratory supplies, materials, other expenses, and non-recurring costs		\$17,305		\$14,432		-\$374
Subtotal						-\$406
Subtotal, Built-in						-\$4,360
CHANGES	FY 2026 Enacted		FY 2027 President's Budget		Program Change from FY 2026 Enacted	
	No.	Amount	No.	Amount	No.	Amount
B. Program:						
1. <u>Research Project Grants:</u>						
a. Noncompeting	208	\$190,083	149	\$104,428	-59	-\$85,655
b. Competing	53	\$90,868	52	\$173,504	-1	\$82,636
c. SBIR/STTR	22	\$17,114	22	\$16,449	0	-\$665
Subtotal, RPGs	283	\$298,065	223	\$294,381	-60	-\$3,684
2. Research Centers	4	\$8,697	3	\$6,663	-1	-\$2,034
3. Other Research	125	\$131,895	109	\$120,330	-16	-\$11,565
4. Research Training	173	\$11,447	161	\$10,049	-12	-\$1,398
5. Research and development contracts	10	\$24,500	10	\$26,239	0	\$1,739
Subtotal, Extramural		\$474,604		\$457,662		-\$16,942
6. Intramural Research	195	\$140,908	195	\$121,208	0	-\$15,746
7. Research Management and Support	123	\$44,174	123	\$40,644	0	-\$3,124
8. Construction		\$0		\$0		\$0
9. Buildings and Facilities		\$0		\$0		\$0
Subtotal, program changes						-\$35,812
Total built-in and program changes	318	\$659,686	318	\$619,514	0	-\$40,172

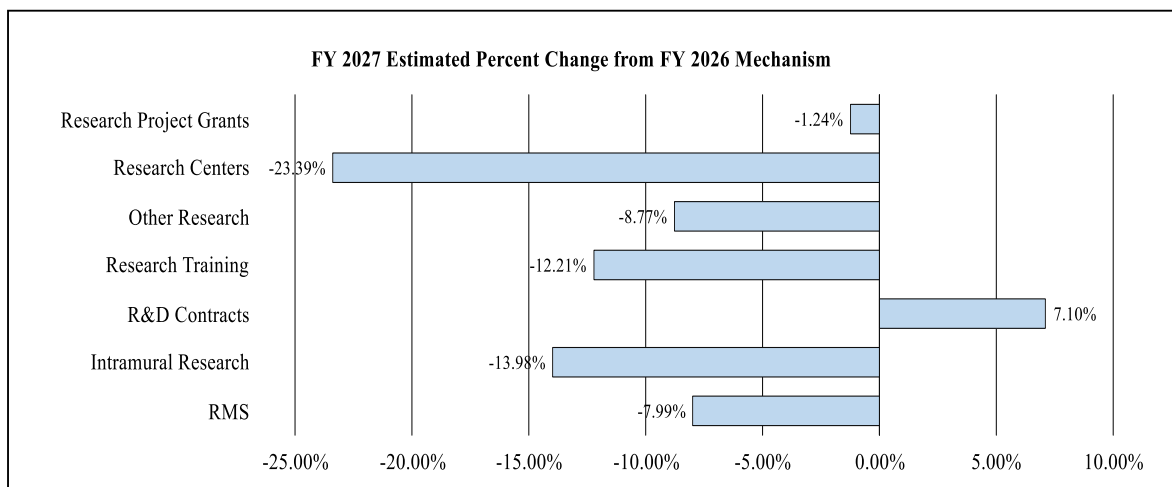
History of Budget Authority and FTEs:



Distribution by Mechanism:



Change by Selected Mechanisms:



BUDGET AUTHORITY BY ACTIVITY TABLE

**NATIONAL INSTITUTES OF HEALTH
National Human Genome Research Institute**

Budget Authority by Activity *
(Dollars in Thousands)

	FY 2025 Final		FY 2026 Enacted		FY 2027 President's Budget		FY 2027 +/- FY 2026 Enacted	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
<u>Extramural Research</u>								
<u>Detail</u>								
Genome Biology and Technology		\$194,835		**		\$184,482		**
Genomics and Disease		\$162,547		**		\$151,973		**
Genomics and Medicine		\$81,142		**		\$75,529		**
Genomic Data Science		\$117,515		**		\$110,340		**
Genomics Workforce		\$27,587		**		\$25,760		**
Genomics and Society		\$32,710		**		\$30,786		**
<i>(Extramural Research (non-add))</i>	<i>(0)</i>	<i>(\$478,190)</i>	<i>(0)</i>	**	<i>(0)</i>	<i>(\$457,661)</i>	<i>(0)</i>	**
<i>(Intramural Research (non-add))</i>	<i>(214)</i>	<i>(\$138,145)</i>	<i>(195)</i>	**	<i>(195)</i>	<i>(\$121,208)</i>	<i>(0)</i>	**
Subtotal, Program Activity ¹		\$616,335		\$615,512		\$578,870		-\$36,642
Research Management & Support	137	\$43,351	123	\$44,174	123	\$40,644	0	-\$3,530
TOTAL	351	\$659,686	318	\$659,686	318	\$619,514	0	-\$40,172

* Includes FTEs whose payroll obligations are supported by the NIH Common Fund.

** For FY 2026 Enacted, funding levels are displayed for statutory and report-directed PPAs. Amounts with an asterisk represent other PPAs as levels have not yet been determined.

¹ The detail programs listed above include both Extramural and Intramural funding.

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National Human Genome Research Institute

Budget Authority (BA):

	<u>FY 2025 Final</u>	<u>FY 2026 Enacted</u>	<u>FY 2027 President's Budget</u>	<u>FY 2027 +/- FY 2026</u>
BA	\$659,686,000	\$659,686,000	\$619,514,000	-\$40,172,000
FTE	351	318	318	0

Program funds are allocated as follows: Competitive Grants/Cooperative Agreements; Contracts; Direct Federal/Intramural and Other.

Overall Budget Policy: The FY 2027 President’s Budget request for the National Human Genome Research Institute (NHGRI) is \$619.5 million, a decrease of \$40.2 million or 6.1 percent compared with the FY 2026 Enacted level. This funding level will support cutting edge human genomics research at the Forefront of Genomics, including advances in technology development, biological insights, and clinical applications that will lead to more widespread integration of genomics into almost all areas of biomedical research, the adoption of genomics into mainstream medical and public-health practices, and an increasing relevance of genomics for everyday life.

Program Descriptions and Accomplishments

Genome Biology and Technology

Since the inception and subsequent completion of the Human Genome Project, seismic innovations in genomic technologies have facilitated significant advances in our understanding of the many intricacies of the human genome. These technologies have enabled NHGRI-supported efforts to generate a truly complete reference human genome sequence. Building on this, NHGRI is making progress towards assembling a human population-wide reference. Research highlights include:

Fueling the study of the human genome: The NHGRI Genome Technology Program has expanded from a strong focus on nucleic acid (e.g., DNA) sequencing to supporting efforts to develop other types of genomic technologies, including those for synthesizing and editing nucleic acids and sequencing proteins. NHGRI is also investing in the coordination and dissemination of our technology development portfolio. In FY 2027, NHGRI is planning its Toolkits for Dissemination of Genomic Technologies initiative to make the cutting edge, innovative genomic methods and technologies it has supported more accessible to the broader scientific community.

Characterizing human genomic variation: The Human Genome Reference Program maintains and improves available reference human genome sequences that collectively represent human genomic variation. The latest resource, which includes the genome sequence of 233 individuals, is now publicly available. A major challenge in human genomics is understanding the influence of genomic variation on genome function and potential impact in human disease. In 2025, NHGRI-funded researchers identified a set of genetic variations that have impacts on brain development and multiple different psychiatric disorders.¹ In addition to contributing to a better understanding of shared psychiatric disorder symptoms, targeting these common genetic factors could help develop treatments for multiple conditions at once.

Tracing tumor evolution: The NHGRI Centers of Excellence in Genomic Science (CEGS) support multi-investigator, interdisciplinary research teams that are developing innovative genomic approaches featuring a high degree of novelty and with very high potential impact to address a particular biomedical problem. For example, in FY 2025, one group of investigators developed an engineered lineage tracing system that can track a single cell's descendants and determine where each cell ends up within a tissue. When applied to an *in vivo* mouse model of cancer metastasis, the growth of individually seeded tumors provided insights into tumor evolution.²

Budget Policy: The FY 2027 President's Budget request for Genome Biology and Technology is \$184.5 million.

Genomics and Disease

NHGRI supports the development of improved methods, approaches, and tools to analyze complex genomic data and uncover the role that the genome plays in human health and disease. The path to realizing the promise of genomic medicine requires an ever-growing understanding of how genomic variation influences biological function and how these effects contribute to human disease.

Cataloguing gene function: A powerful way to understand the function of a gene is to study what happens when it is inactivated — or “knocked out.” The Molecular Phenotypes of Null Alleles in Cells (MorPhiC) Consortium aims to use this approach to develop a catalog of molecular and cellular phenotypes that result from inactivating each human gene in *in vitro* cell culture models that mimic human tissues. Currently in its first five-year phase, MorPhiC's Data Production Research and Development Centers, Data Analysis and Validation Centers, and Data Resource and Administrative Coordinating Center are working together to optimize available methods to develop common data formats, establish use cases, and determine which assays can be scaled up to the genome-wide level.

Generating data on rare diseases: The Genomics Research to Elucidate the Genetics of Rare Diseases (GREGoR) Consortium aims to increase the proportion of disorders with an identified genomic cause. It is developing new approaches for situations where whole-exome sequencing, which only samples the very small portion of the human genome that codes for proteins, did not identify an underlying genetic cause. The consortium has generated a robust dataset from over

¹ [sciencedirect.com/science/article/pii/S0092867424014351](https://www.sciencedirect.com/science/article/pii/S0092867424014351)

² [science.org/doi/10.1126/science.adx3800](https://doi.org/10.1126/science.adx3800)

3,000 families. A second phase of the program is planned to spur the development and uptake of innovative molecular and computational approaches for identifying the causal genes and variants underlying rare human genetic diseases.

Emphasizing genomic ancestries in research: An NHGRI intramural researcher investigated the genetic variation in participants in the NIH *All of Us* research program and examined how that genetic variation compared to self-identified race and ethnicity. Findings published in 2025 show that participants within all self-identified race and ethnicity groups exhibit gradients of genetic variation rather than discrete clusters.³ Continental and subcontinental ancestries showed considerable variation within race and ethnicity, emphasizing the importance of assessing genomic ancestries in research studies.

Budget Policy: The FY 2027 President’s Budget request for Genomics and Disease is \$152.0 million.

Genomics and Medicine

Many challenges remain in applying genomics to medical science and clinical care and making genomics mainstream in medicine. NHGRI continues to be the world leader supporting genomic medicine implementation research, which broadly aims to integrate genomics into the complex and heterogeneous health care ecosystem. Research highlights in this area include:

Investigating antimicrobial resistance: NIH intramural researchers are integrating genomic microbiome data and clinical microbiology to investigate the risk of antimicrobial resistance in nursing homes. Through DNA sequencing of several potentially life-threatening microbes, researchers found that over half of nursing home residents tested had multiple pathogens present on their skin.⁴ Further testing demonstrated that these pathogens were being spread undetected between residents. Other nursing homes showed similar spread, indicating a need for improved testing and infection control measures to protect people in vulnerable settings.

Combining genetic data with electronic medical records: NHGRI’s flagship Electronic Medical Records and Genomics (eMERGE) Network, develops, disseminates, and applies research approaches that combine genetic data with electronic medical record (EMR) systems for discovery and implementation research. In its fourth phase, the eMERGE Network is focused on several areas. These include developing EMR-based methods for communicating genomic risk profiles for clinical management and employing EMR-based evaluations to measure the adoption of risk-reduction strategies and their impact on clinical outcomes. As an example of a project carried out through this network, researchers analyzed 10-year follow up data of the eMERGE-based Myocardial Infarction Genes (MI-GENES) clinical trial.⁵ Participants at intermediate risk of coronary heart disease who were given a personalized risk score that included genetic risk were more likely than those who received a conventional risk measure to be on statin therapy in the first four years after start of the trial. This was associated with a reduction in major adverse cardiovascular events after 10 years.

³ [cell.com/ajhg/fulltext/S0002-9297\(25\)00173-9](https://cell.com/ajhg/fulltext/S0002-9297(25)00173-9)

⁴ nature.com/articles/s41586-025-08608-9

⁵ ahajournals.org/doi/10.1161/CIRCGEN.124.004968

Budget Policy: The FY 2027 President’s Budget request for Genomics and Medicine is \$75.5 million.

Genomic Data Science

NHGRI’s Office of Genomic Data Science (OGDS) has become the epicenter for genomic data science at the institute, with numerous collaborations, projects and activities. OGDS is facilitating the development of computational-based analysis tools, creating and maintaining accessible resources, and supporting workforce development. Examples of priorities in this area include:

Sharing genomic data with the research community: OGDS has led the expansion of NHGRI’s AnVIL program, a cloud-based genomics platform that helps researchers integrate and analyze large genomic datasets generated by NHGRI-funded projects. AnVIL makes it easier for scientists to share and reuse genomic data, empowering analyses into the genetic basis of major diseases, as well as generating a deeper understanding of human genetic diversity. AnVIL continues to provide external researchers at non-NIH institutions who may not have access to cloud resources the ability to conduct cloud-based genomics research on the AnVIL platform, significantly lowering the barrier for new users. AnVIL has released over 5 petabytes (i.e., over 5,000 terabytes) of genomic and other relevant data from over 287,000 research participants across a wide range of studies.

Ensuring ethical data use: AnVIL’s technical capabilities have helped streamline the use of controlled-access data while still fulfilling the NIH policy requirements to ensure that all data use is in accordance with participant consent. NHGRI leverages standards from the Global Alliance for Genomics and Health to document participant consent limitations, thereby supporting interoperability. NHGRI continues to play a leading role in current cross-NIH activities aimed at facilitating interoperability among the cloud platforms supported by NIH.

Budget Policy: The FY 2027 President’s Budget request for Genomic Data Science is \$110.3 million.

Genomics Workforce

Operating at the forefront of genomics requires supporting the training of the next generation of innovators in genomics and a robust and well-qualified genomics workforce. NHGRI supports several programs and training opportunities aimed at enhancing the genomics research capacity at institutions receiving low amounts of NIH funding. For example, in FY 2027, NHGRI plans to continue the Genomics Research Centers Program at lower resourced biomedical research institutions. In this program, interdisciplinary teams develop interrelated, innovative genomic research projects. The Centers also focus on community engagement, training, and collaboration.

Budget Policy: The FY 2027 President’s Budget request for Genomics Workforce is \$25.8 million.

Genomics and Society

NHGRI is Congressionally mandated to dedicate at least five percent of its research budget to Ethical, Legal and Social Implications (ELSI) research. This area of research includes a large

portfolio of studies that examine the intersection of genomics, law, ethics, philosophy and society. The program funds research, training, and workshops in four broad areas: (1) genomics and sociocultural structures and values; (2) genomics at the institutional and system level; (3) genomic research design and implementation; and (4) genomic health care. The program has supported several grants focusing on issues related to genomic data privacy and is strengthening partnerships with other NIH Institutes, Centers, and Offices to address these goals and to better coordinate ELSI research across NIH. Looking forward, a key area of focus will involve interacting with academic disciplines and research organizations that are underrepresented in ELSI research. The new Building Partnerships and Broadening Perspectives to Advance Ethical, Legal and Social Implications Research (BBAER) Program supports cross-disciplinary ELSI research conducted by teams that include community experts affected by the research.

Budget Policy: The FY 2027 President's Budget request for Genomics and Society is \$30.8 million.

Research Management and Support

NHGRI's research management and support (RMS) encompasses administrative, budgetary, logistical, and scientific support in the review, award, and monitoring of research grants, training awards, and research contracts. RMS also supports NHGRI through a broad range of activities that include strategic planning and program evaluation; portfolio analysis; regulatory compliance; patient and community engagement activities about genomics and its translation to health and society; and liaising with other agencies and the public.

Budget Policy: The FY 2027 President's Budget request for Research Management and Support is \$40.6 million, a decrease of \$3.5 million or 8.0 percent compared with the FY 2026 Enacted level.

**NATIONAL INSTITUTES OF HEALTH
National Human Genome Research Institute**

Appropriations History

Fiscal Year	Budget Estimate to Congress ¹	House Allowance ²	Senate Allowance	Appropriation
2018	\$399,622,000	\$536,774,000	\$546,934,000	\$556,881,000
Rescission				\$0
2019	\$512,979,000	\$563,531,000	\$575,882,000	\$575,579,000
Rescission				\$0
2020	\$495,448,000	\$603,710,000	\$607,999,000	\$606,349,000
Rescission				\$0
2021	\$550,116,000	\$611,564,000	\$623,862,000	\$615,780,000
Rescission				\$0
2022	\$632,973,000	\$646,295,000	\$634,598,000	\$639,062,000
Rescission				\$0
2023	\$629,154,000	\$659,233,000	\$658,873,000	\$663,200,000
Rescission				\$0
2024	\$660,510,000	\$663,200,000	\$663,200,000	\$663,200,000
Rescission				\$0
2025	\$663,660,000		\$663,200,000	\$663,200,000
Rescission				\$0
2026		\$663,200,000	\$663,200,000	\$663,200,000
Rescission				\$0
2027	\$619,514,000			

¹ The FY 2026 President’s Budget proposed consolidating the 27 NIH Institutes and Centers into an 8-Institute structure, while maintaining the Office of the Director and the Building and Facilities account.

² The FY 2025 House bill proposed consolidating the 27 NIH Institutes and Centers into a 12-Institute structure, while maintaining the Office of the Director and the Building and Facilities account.

BUDGET AUTHORITY BY OBJECT CLASS

**NATIONAL INSTITUTES OF HEALTH
National Human Genome Research Institute**

Budget Authority by Object Class ¹
(Dollars in Thousands)

	FY 2026 Enacted	FY 2027 President's Budget	FY 2027 +/- FY 2026
Total compensable workyears:			
Full-time equivalent	318	318	0
Full-time equivalent of overtime and holiday hours	0	0	0
Average ES salary	\$228	\$228	\$0
Average GM/GS grade	13.0	13.0	0.0
Average GM/GS salary	\$148	\$148	\$0
Average salary, Commissioned Corps (42 U.S.C. 207)	\$178	\$184	\$6
Average salary of ungraded positions	\$188	\$188	\$0
OBJECT CLASSES	FY 2026 Enacted	FY 2027 President's Budget	FY 2027 +/- FY 2026
Personnel Compensation			
11.1 Full-Time Permanent	\$28,822	\$28,142	-\$680
11.3 Other Than Full-Time Permanent	\$19,998	\$19,283	-\$715
11.5 Other Personnel Compensation	\$1,891	\$1,896	\$5
11.7 Military Personnel	\$239	\$248	\$9
11.8 Special Personnel Services Payments	\$6,846	\$5,363	-\$1,483
11.9 Subtotal Personnel Compensation	\$57,796	\$54,932	-\$2,864
12.1 Civilian Personnel Benefits	\$19,272	\$18,784	-\$488
12.2 Military Personnel Benefits	\$107	\$111	\$4
13.0 Benefits to Former Personnel	\$359	\$0	-\$359
Subtotal Pay Costs	\$77,534	\$73,827	-\$3,707
21.0 Travel & Transportation of Persons	\$1,205	\$875	-\$329
22.0 Transportation of Things	\$191	\$135	-\$56
23.1 Rental Payments to GSA	\$0	\$0	\$0
23.2 Rental Payments to Others	\$0	\$0	\$0
23.3 Communications, Utilities & Misc. Charges	\$38	\$27	-\$11
24.0 Printing & Reproduction	\$10	\$7	-\$3
25.1 Consulting Services	\$25,788	\$22,780	-\$3,008
25.2 Other Services	\$21,894	\$20,108	-\$1,786
25.3 Purchase of Goods and Services from Government Accounts	\$67,717	\$59,208	-\$8,509
25.4 Operation & Maintenance of Facilities	\$2,115	\$1,491	-\$624
25.5 R&D Contracts	\$947	\$934	-\$12
25.6 Medical Care	\$847	\$607	-\$240
25.7 Operation & Maintenance of Equipment	\$2,285	\$1,653	-\$632
25.8 Subsistence & Support of Persons	\$0	\$0	\$0
25.0 Subtotal Other Contractual Services	\$121,593	\$106,782	-\$14,811
26.0 Supplies & Materials	\$4,840	\$3,438	-\$1,402
31.0 Equipment	\$4,093	\$2,920	-\$1,173
32.0 Land and Structures	\$73	\$74	\$2
33.0 Investments & Loans	\$0	\$0	\$0
41.0 Grants, Subsidies & Contributions	\$450,104	\$431,423	-\$18,681
42.0 Insurance Claims & Indemnities	\$0	\$0	\$0
43.0 Interest & Dividends	\$5	\$5	\$0
44.0 Refunds	\$0	\$0	\$0
94.0 Financial Transfers	\$0	\$0	\$0
Subtotal Non-Pay Costs	\$582,152	\$545,687	-\$36,465
Total Budget Authority by Object Class	\$659,686	\$619,514	-\$40,172

¹ Includes FTEs whose payroll obligations are supported by the NIH Common Fund.

DETAIL OF FULL-TIME EQUIVALENT EMPLOYMENT (FTE)

**NATIONAL INSTITUTES OF HEALTH
National Human Genome Research Institute**

Detail of Full-Time Equivalent Employment (FTE)

Office	FY 2025 Final			FY 2026 Enacted			FY 2027 President's		
	Civilian	Military	Total	Civilian	Military	Total	Civilian	Military	Total
Division of Intramural Research									
Direct:	185	1	186	168	1	169	168	1	169
Reimbursable:	27	1	28	25	1	26	25	1	26
Total:	212	2	214	193	2	195	193	2	195
Office of the Director									
Direct:	22	-	22	20	-	20	20	-	20
Reimbursable:	-	-	-	-	-	-	-	-	-
Total:	22	-	22	20	-	20	20	-	20
Division of Management									
Direct:	50	-	50	44	-	44	44	-	44
Total:	50	-	50	44	-	44	44	-	44
Division of Genome Sciences									
Direct:	14	-	14	13	-	13	13	-	13
Reimbursable:	-	-	-	-	-	-	-	-	-
Total:	14	-	14	13	-	13	13	-	13
Division of Genomic Medicine									
Direct:	17	-	17	17	-	17	17	-	17
Reimbursable:	-	-	-	-	-	-	-	-	-
Total:	17	-	17	17	-	17	17	-	17
Division of Genomics and Society									
Direct:	12	-	12	9	-	9	9	-	9
Total:	12	-	12	9	-	9	9	-	9
Division of Extramural Operations									
Direct:	22	-	22	20	-	20	20	-	20
Reimbursable:	-	-	-	-	-	-	-	-	-
Total:	22	-	22	20	-	20	20	-	20
Total	349	2	351	316	2	318	316	2	318
Includes FTEs whose payroll obligations are supported by the NIH Common Fund.									
FTEs supported by funds from Cooperative Research and Development Agreements.	0	0	0	0	0	0	0	0	0

DETAIL OF POSITIONS

NATIONAL INSTITUTES OF HEALTH
National Human Genome Research Institute

Detail of Positions ¹

GRADE	FY 2025 Final	FY 2026 Enacted	FY 2027 President's Budget
Total, ES Positions	1	1	1
Total, ES Salary	\$225,700	\$227,957	\$227,957
General Schedule			
GM/GS-15	36	39	39
GM/GS-14	32	36	36
GM/GS-13	67	75	74
GS-12	28	31	31
GS-11	14	16	16
GS-10	0	0	0
GS-9	11	11	11
GS-8	0	0	0
GS-7	1	1	1
GS-6	0	0	0
GS-5	0	0	0
GS-4	0	0	0
GS-3	0	0	0
GS-2	0	0	0
GS-1	0	0	0
Subtotal	189	209	208
Commissioned Corps (42 U.S.C. 207)			
Assistant Surgeon General	0	0	0
Director Grade	2	2	2
Senior Grade	0	0	0
Full Grade	0	0	0
Senior Assistant Grade	0	0	0
Assistant Grade	0	0	0
Junior Assistant	0	0	0
Subtotal	2	2	2
Ungraded	114	127	127
Total permanent positions	227	253	251
Total positions, end of year	306	339	338
Total full-time equivalent (FTE) employment, end of year	351	318	318
Average ES salary	\$225,700	\$227,957	\$227,957
Average GM/GS grade	13.0	13.0	13.0
Average GM/GS salary	\$146,629	\$148,095	\$148,122

¹ Includes FTEs whose payroll obligations are supported by the NIH Common Fund.