United for Medical Research

April 1, 2019

Senator Roy Blunt
Chair, Labor-HHS Subcommittee
United States Senate

Representative Rosa DeLauro
Chair, Labor-HHS Subcommittee
United States House of Representatives

Senator Patty Murray
Ranking Member, Labor-HHS Subcommittee
United States Senate

Representative Tom Cole
Ranking Member, Labor-HHS Subcommittee
United States House of Representatives

Dear Chairs Blunt and DeLauro and Ranking Members Murray and Cole:

On behalf of United for Medical Research (UMR), which represents leading scientific research institutions and industries, and health and patient advocates, we want to express our deep gratitude for your continued, steadfast support of the National Institutes of Health (NIH), and urge you to include an increase of at least $2.5 billion in NIH funding for FY 2020. UMR also strongly supports a new budget agreement that would raise the sequestration caps and avert steep cuts in non-defense discretionary spending.

Thanks to recent bipartisan and bicameral congressional support of increases to its budget, the NIH is beginning to catch up from more than a decade of underfunding and keep up with public health needs and the opportunities of biomedical research. Due to this critical funding, more life-saving and life-changing medical advances are closer to reality and are providing hope to millions of patients whose diseases and conditions await the next generation of treatments or cures. Pulling back now on this momentum would be devastating to patients and families in every state.

In addition to being a difference-maker for the lives of many children and adults is NIH's unmistakable economic impact in every state. Data released on April 1 by UMR show that increases to the NIH budget since 2015 have contributed to steady increases in jobs and economic activity over this period.

In fiscal year 2018, NIH research funding directly and indirectly supported 433,011 jobs nationwide. When cycled through the economy, the income generated by these jobs, as well as through the purchase of research-related equipment, services and materials, produced $73.909 billion in new economic activity. This represents an almost 23 percent increase in the number of jobs supported over fiscal year 2015 and a nearly 22 percent increase in economic activity.

There is no more powerful investment than one that improves the public's health, provides hope to patients and families affected by disease and fuels the economy. Again, we thank you for your continued leadership in placing NIH on a more sustainable growth path and stand ready to assist your efforts with FY 2020 funding in any way.

Sincerely,

Alex Currie
Senior Director of Federal Relations, Vanderbilt University Medical Center
President, United for Medical Research

Caroline Powers
Director, Federal Relations, American Cancer Society Cancer Action Network
Secretary, United for Medical Research

Chol Pak
Director, Federal Government Relations, Thermo Fisher Scientific
Treasurer, United for Medical Research

Danny Ly
Director, Public Policy & Government Relations, BD (Becton, Dickinson and Company)
Board Member, United for Medical Research

Christopher Austin
Associate Director, Federal Affairs, Johns Hopkins University & Medicine
Board Member, United for Medical Research



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NIH'S ROLE IN SUSTAINING THE U.S. ECONOMY

2019 STATE-BY-STATE UPDATE

Research funded by the National Institutes of Health (NIH) saves lives, improves health, and offers hope to people the world-over affected by disease. It also supports more than 433,000 jobs and nearly $74 billion in economic activity across the United States, making the NIH a research and economic powerhouse.

In fiscal year 2018, the NIH provided just over $28 billion in extramural research funding to scientists in all 50 states and the District of Columbia. These researchers are working to address some of our most urgent and chronic health problems. Their work also has a significant impact on economic growth and employment. Using the Regional Input-Output Modeling System (RIMS II) developed by the Department of Commerce, United for Medical Research calculated the impact of NIH research funding in 2018 on jobs and the economy.

As seen in the table on the next page, NIH research funding in 2018 directly and indirectly supported **433,011 jobs nationwide.** Twenty-three states have employment of 5,000 or more supported by NIH research funding, 13 states have 10,000 or more and the median state has 4,585 jobs due to NIH activity. The income generated by these jobs, as well as by the purchase of research-related equipment, services and materials, when cycled through the economy, produced **$73.909 billion in new economic activity** in 2018. Twenty-eight states experienced an economic gain of over $500 million and 20 states exceeded $1 billion in economic gain.

RECENT IMPROVEMENTS TO THE NIH BUDGET

	FY2015	FY2016	FY2017	FY2018
Total NIH research funds awarded in 50 states + DC	$22.8 billion	$24.6 billion	$26.1 billion	**$28.05 billion**
Total jobs supported nationwide	352,349 jobs	379,471 jobs	402,816 jobs	**433,011 jobs**
Total economic activity nationwide	$60.717 billion	$64.799 billion	$68.795 billion	**$73.909 billion**

After more than a decade of flat-funding, Congress increased the NIH budget by $9 billion over the last four fiscal years (FY16–19). These increases have made a difference in grants, jobs, and economic activity and, importantly, have allowed the NIH budget to begin to recover from years of under-funding and ensure that critical research continues to be funded.

433,011
TOTAL JOBS

now HIRING

23 states with 5,000+ jobs
13 states with 10,000+ jobs

$73.9 billion
TOTAL ECONOMIC ACTIVITY

28 states with $500 million+
20 states with $1 billion+

The NIH is the world's premier health research agency, fueling life-changing discovery and helping to maintain American output, employment and a globally competitive life sciences industry. The numbers in this report underscore the importance of not just providing the NIH strong funding, but of ensuring steady and sustainable growth in the NIH budget over the long term.

A note about this data: Since 2011, United for Medical Research has provided an analysis of the employment and economic activity attributable to NIH extramural research spending. We rely on the RIMS II model maintained by the Bureau of Economic Analysis, which is part of the U.S. Department of Commerce. This model was last updated by BEA in December 2016. This 2019 update, and each of the previous analyses, was conducted by Dr. Everett Ehrlich of ESC Company.

Economic Impact of NIH Research by State FY2018

State	NIH AWARDS ($M)	Jobs Created per $1M NIH Awards	Intrastate Jobs	Added Interstate Activity (%)	Interstate Jobs	TOTAL EMPLOYMENT	ECONOMIC ACTIVITY ($M)
Alabama	350.7	12.926	4,533	18.8%	850	**5,384**	**$826**
Alaska	16.4	11.796	194	110.0%	213	**406**	**$61**
Arizona	238.2	14.971	3,567	38.7%	1,381	**4,948**	**$729**
Arkansas	58.1	12.712	739	73.4%	543	**1,281**	**$178**
California	4,243.4	13.477	57,187	17.0%	9,750	**66,937**	**$11,895**
Colorado	404.4	15.194	6,145	22.0%	1,354	**7,499**	**$1,189**
Connecticut	560.9	10.160	5,699	14.2%	811	**6,510**	**$1,293**
Delaware	51.5	7.957	410	45.9%	188	**598**	**$140**
District of Columbia	229.6	2.524	580	23.8%	138	**718**	**$432**
Florida	607.7	15.946	9,690	44.8%	4,346	**14,036**	**$1,962**
Georgia	582.7	16.647	9,699	25.2%	2,440	**12,139**	**$1,725**
Hawaii	65.0	13.315	865	42.2%	365	**1,231**	**$181**
Idaho	15.0	11.761	176	164.4%	290	**466**	**$72**
Illinois	895.4	14.319	12,820	23.0%	2,948	**15,768**	**$2,713**
Indiana	276.8	12.926	3,578	39.2%	1,403	**4,981**	**$774**
Iowa	191.9	12.165	2,334	32.8%	766	**3,100**	**$452**
Kansas	114.6	11.736	1,345	43.8%	590	**1,935**	**$318**
Kentucky	207.6	12.958	2,690	30.7%	827	**3,518**	**$526**
Louisiana	153.0	13.844	2,118	49.5%	1,049	**3,167**	**$445**
Maine	99.6	13.967	1,392	20.2%	280	**1,672**	**$226**
Maryland	1,531.6	12.130	18,579	7.3%	1,362	**19,941**	**$3,582**
Massachusetts	2,887.2	11.490	33,173	5.2%	1,734	**34,907**	**$6,765**
Michigan	766.3	13.567	10,396	18.8%	1,957	**12,353**	**$1,982**
Minnesota	561.7	12.955	7,276	17.0%	1,238	**8,514**	**$1,473**
Mississippi	50.9	12.584	641	74.2%	475	**1,116**	**$157**
Missouri	605.5	12.139	7,350	14.7%	1,084	**8,434**	**$1,455**
Montana	52.0	13.536	704	31.7%	224	**928**	**$121**
Nebraska	123.4	13.125	1,620	31.7%	513	**2,133**	**$303**
Nevada	35.6	11.968	426	144.6%	616	**1,041**	**$167**
New Hampshire	107.4	10.729	1,152	23.9%	275	**1,427**	**$262**
New Jersey	261.3	12.308	3,216	61.3%	1,971	**5,187**	**$974**
New Mexico	98.0	11.774	1,154	32.2%	372	**1,526**	**$238**
New York	2,632.7	10.535	27,736	17.9%	4,971	**32,707**	**$6,508**
North Carolina	1,402.4	14.599	20,474	10.7%	2,182	**22,657**	**$3,464**
North Dakota	21.0	10.761	226	91.8%	208	**434**	**$68**
Ohio	816.9	13.548	11,067	21.9%	2,428	**13,496**	**$2,205**
Oklahoma	96.1	14.457	1,389	61.6%	856	**2,245**	**$309**
Oregon	345.9	13.698	4,738	20.2%	957	**5,695**	**$838**
Pennsylvania	1,810.2	12.439	22,517	11.3%	2,548	**25,065**	**$4,580**
Rhode Island	194.3	11.126	2,162	10.1%	217	**2,379**	**$395**
South Carolina	197.0	15.112	2,976	33.0%	983	**3,959**	**$547**
South Dakota	24.1	12.134	293	75.0%	219	**512**	**$71**
Tennessee	549.7	13.318	7,320	17.9%	1,310	**8,630**	**$1,420**
Texas	1,243.4	15.683	19,500	33.9%	6,602	**26,102**	**$4,097**
Utah	228.4	16.752	3,826	19.8%	759	**4,585**	**$626**
Vermont	57.6	12.821	738	18.9%	139	**877**	**$125**
Virginia	415.1	11.147	4,627	35.8%	1,656	**6,283**	**$1,194**
Washington	1,042.3	12.410	12,934	14.8%	1,912	**14,846**	**$2,562**
West Virginia	35.4	11.437	405	75.7%	307	**712**	**$107**
Wisconsin	481.7	13.219	6,367	21.2%	1,351	**7,718**	**$1,131**
Wyoming	14.1	10.427	147	109.3%	161	**307**	**$46**
50 states plus DC	**28,051.6**		360,891	20.0%	72,120	**433,011**	**$73,909**

United for Medical Research is a coalition of leading research institutions, patient and health advocates, and private industry that have joined together to seek steady increases in funding for the National Institutes of Health. Members include: AdvaMed, Alzheimer's Association, American Association for the Advancement of Science, American Cancer Society Cancer Action Network, American Heart Association, Association of American Universities, Association of Public and Land-grant Universities, BD, Biotechnology Innovation Organization, Boston University, Corning, Harvard University, Johns Hopkins University, Johnson & Johnson, Massachusetts Institute of Technology, Northwestern University, PhRMA, Research!America, Stanford University, Thermo Fisher Scientific, University of Pennsylvania, Vanderbilt University, Vanderbilt University Medical Center and Washington University in St. Louis.