SECURING AMERICA'S EDGE IN BIOTECHNOLOGY AND BIOMEDICAL INNOVATION

THE SCIENCE COALITION

Day in and day out, American colleges and universities channel federal investments from the National Institutes of Health (NIH) into basic scientific research that catalyzes biomedical innovation and generates breakthrough medical discoveries at the leading edge of human health and well-being.

Proposed reductions in biomedical research and technology funding could slow drug development, result in fewer new therapies, and diminish America's global leadership in tackling diseases, helping people live longer, and improving health outcomes.

Studies show that these cuts could yield staggering losses, including tens of millions of years of life—calculated as a reduction in life expectancy of 0.24 years per person over 25 years totaling about 82 million years of life lost across the population—and more than $8 trillion in health costs over 25 years, while also threatening American economic growth and innovation.

For decades, federal investments have enabled researchers at American colleges and universities to unlock transformative medical discoveries, including cures for childhood leukemia, advanced lung cancer treatment diagnostics, GLP-1 therapies, magnetic resonance imaging, insulin, statins, and more.

NIH funding also supports our world-class healthcare workforce. Any significant cuts to NIH funding will threaten nearly 410,000 existing biomedical jobs nationwide, to say nothing of sacrificing future job and industry creation, and reduce opportunities for young and talented American researchers to access the types of hands-on training and skills development necessary to maintain a robust biomedical workforce.

WE MUST PROTECT THIS CRITICAL FEDERAL INVESTMENT IN THE HEALTH AND WELLNESS OF AMERICANS.

DECLINING DRUG DISCOVERY

In the last decade, more than 99% of all new drugs were developed with support from NIH funding. Without it, there would be a 15.3% decrease in new therapies.

SHORTENED LIFE EXPECTANCY

Due to fewer life-saving discoveries resulting from NIH funding cuts, it is estimated that the average person in the United States could lose 0.24 years of life expectancy over the next 25 years. For the U.S. population of over 340 million, this would amount to approximately 82 million fewer years of life.

LOST ECONOMIC IMPACT

The proposed funding cuts to America's biomedical research enterprise would result in an economic loss that's 2.5 times larger than the purported federal savings that would come from the spending reductions.

$20 BILLION
Yearly Research Cuts

$51 BILLION
Yearly GDP Loss