The National Institutes of Health (NIH), a part of the U.S. Department of Health and Human Services, is consistently the largest external sponsor of research at the University of Michigan.

Support from NIH advances knowledge about the nature and behavior of living systems and the application of that knowledge to enhance health, lengthen life and reduce illness and disability.

NIH grants allows U-M researchers to explore the causes, diagnosis, prevention and cure of human diseases, from cancer and diabetes to heart disease and HIV.

$572M
Research Expenditures during Fiscal Year 2019

2,441 Active Projects

NIH grants annually support U-M researchers in a wide variety of roles:

2,007 Faculty
417 Postdoctoral Fellows
286 Graduate Students

For more information about U-M research, visit research.umich.edu
Shoebox-size Breath Analyzer

A small, portable breath monitor developed at U-M, with support from NIH, can quickly and accurately detect acute respiratory distress syndrome, an often deadly disease that causes fluid to leak into the lungs and demands early diagnosis.

To detect the condition today, doctors rely heavily on their own judgment and time-consuming tests. The researchers say their new technology could improve survival rates and lower the cost of care.

Firearm Injury Prevention

Firearm injuries kill 2,500 American children each year, making it the second leading cause of death among children and adolescents.

But the U.S. spends far less on studying what led to firearm injuries in kids and teens, and what might prevent and treat them, than it spends on other, less-common causes of death in people ages 1-18, according to research led by U-M, with NIH support. On a per-death basis, funding for pediatric firearm research is 30 times lower than it would have to be to keep pace with research on other child health threats.

Tobacco Regulation

With support from NIH, U-M will house a new, multi-institutional center focused on modeling and predicting the impact of tobacco regulation.

The center will provide evidence-based and expert-informed modeling projections of the behavioral and public health impacts of tobacco regulations to support the Food and Drug Administration in regulating the characteristics, marketing and sale of tobacco products.