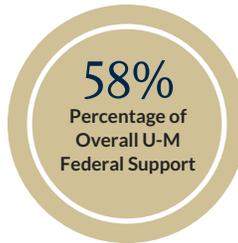
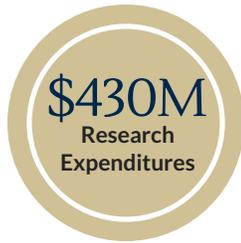




NATIONAL INSTITUTES OF HEALTH
SUPPORTED RESEARCH AT THE
UNIVERSITY OF MICHIGAN



FY 2016 Research Expenditures: \$430,002,068

Year-to-year, NIH-supported projects involve about:

Faculty Researchers.....	2,039
Postdoctoral Fellows.....	412
Graduate Student Researchers.....	271

Examples of U-M projects supported by the National Institutes of Health (NIH):



AGING — WHAT SPEEDS IT UP OR SLOWS IT DOWN?

For more than 20 years, the U-M Health and Retirement Study (HRS) has followed more than 35,000 people over the age of 50, interviewing participants every two years, from pre-retirement to advanced old age.

As the world around us changes, the HRS follows the impact of these changes on our older population, informing over 3,000 books, articles and papers.

Recently, U-M Institute for Social Research added genetic information from 12,500 consenting participants to the online NIH genetics database of Genotypes and Phenotypes, an important milestone in the expansion of traditional social science research to include biometric and biological data, including genetic material.



MICHIGAN INSTITUTE FOR CLINICAL & HEALTH RESEARCH

Since its founding in 2006, MICHR has legitimized and promoted clinical and translational investigation, and serves as a research hub at U-M.

Recent projects included designing a prototype pump that automatically empties radioactive urine from neuroblastoma patients directly into the waste stream for disposal, eliminating the need for the clinical staff to have to do this manually and thus helping with nurse safety.

Researchers received national attention for saving the life of a second child using a groundbreaking 3D printed device. Garrett Peterson, a Utah toddler, has a congenital heart defect that put severe pressure on his airways, collapsing them. Two tiny splints were created using high-resolution imaging and computer-aided design; use of the devices was given emergency clearance by the FDA.



ADVANCING PRECISION MEDICINE

Among the life-saving and life-changing contributions by U-M scientists that highlight our leadership in the growing field known as precision medicine:

- a tool that helps determine if someone with diabetes could manage it better with drugs or diet and exercise.
- massive genetics studies to better understand diseases like diabetes, obesity, and macular degeneration that involve the coordination of hundreds of scientists and thousands of participants across the globe.

A national Precision Medicine Initiative funded by NIH dedicates funding to create four program areas: a Data and Research Support Center, Participant Technologies Centers, a Healthcare Provider Organizations network, and a Biobank. U-M was awarded \$863,434 for its first year of research.