

Trends in cancer research

Polling, the Congressional funding process and the National Cancer Institute

December 11, 2018

National polling shows the majority of Americans support government action on cancer research

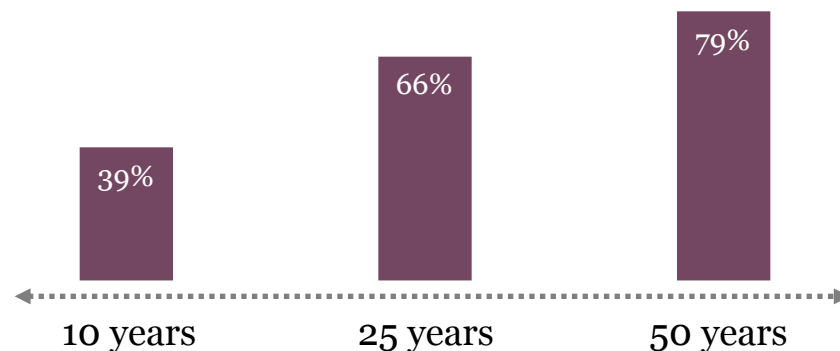
“On which of the following cancer-related issues do you believe the U.S. government should spend more money (even if it meant higher taxes or adding to the deficit)?”

4,016 U.S. adults with 1,508 having cancer or an immediate family member with cancer, July 10-17, 2017

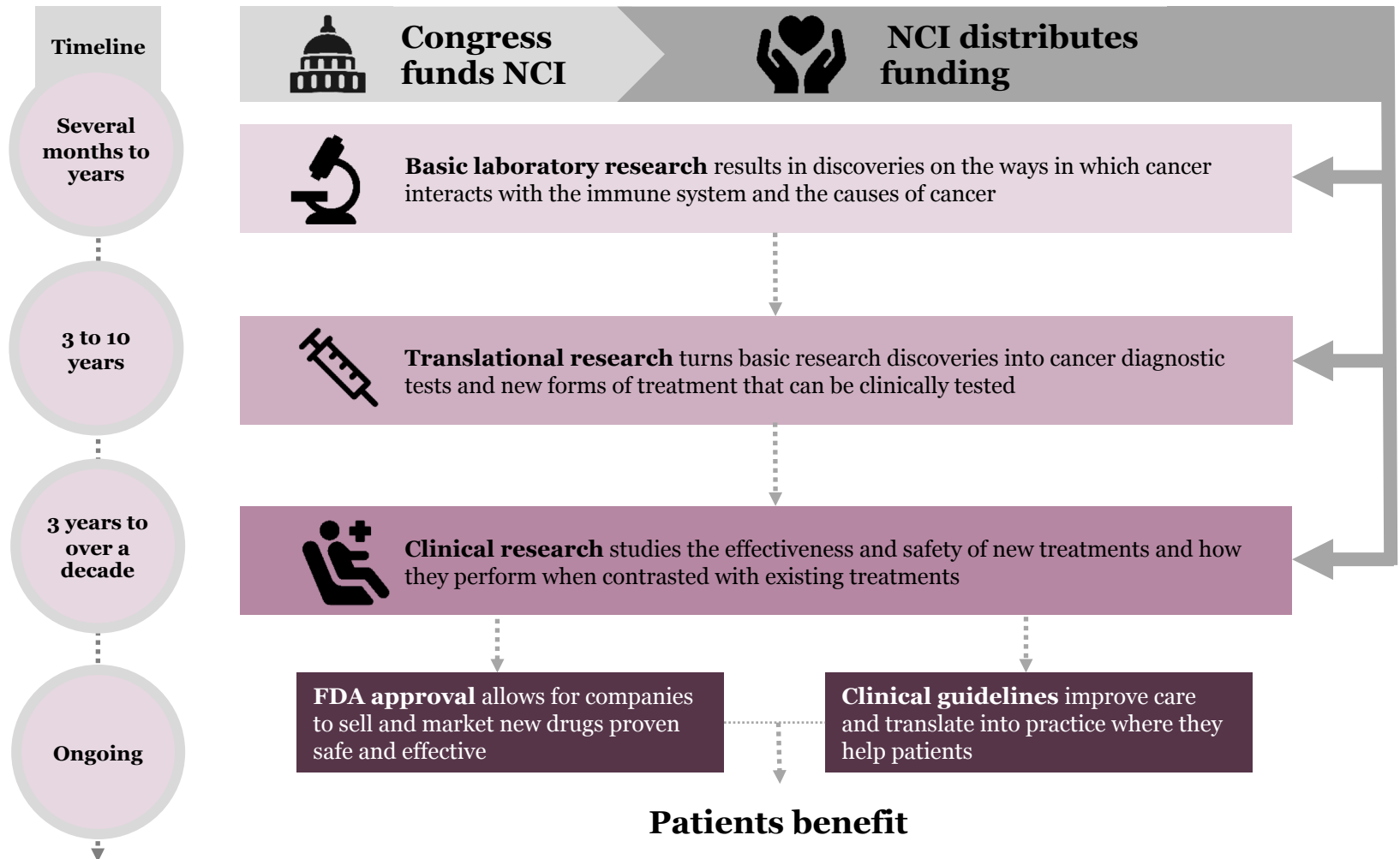


“How optimistic are you that the majority of cancers will be curable within the next...?”

4,016 U.S. adults with 1,508 having cancer or an immediate family member with cancer, July 10-17, 2017



Congressional funding affects multiple steps of the cancer research process

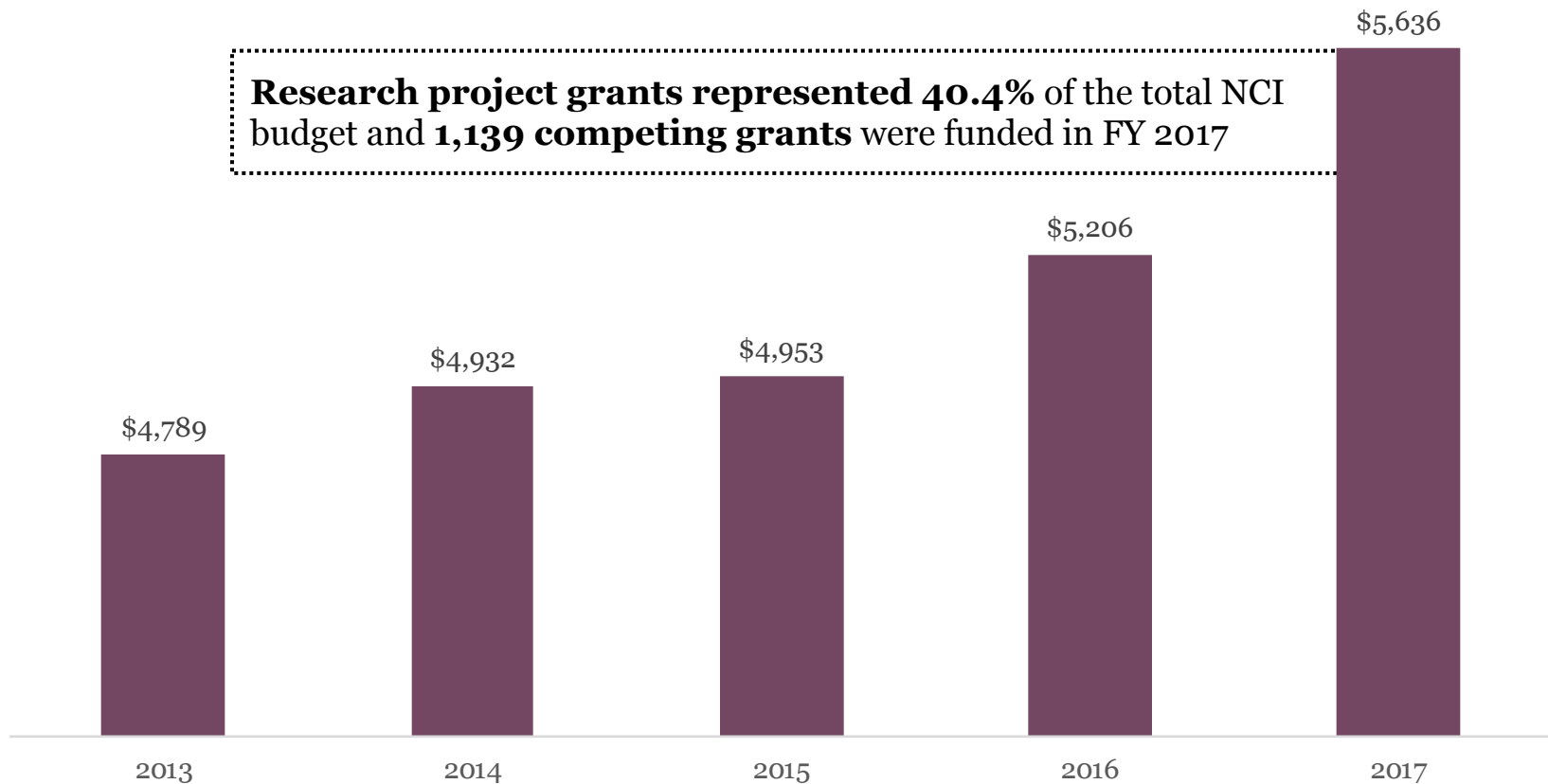


Sources: Research Funding by the National Cancer Institute: From Pipeline to Patient, American Society of Clinical Oncology.

The National Cancer Institute is the primary source of federal funding for cancer research

NCI funding, FY 2013-2017

MILLIONS OF DOLLARS



Sources: Funding Trends, cancer.gov.

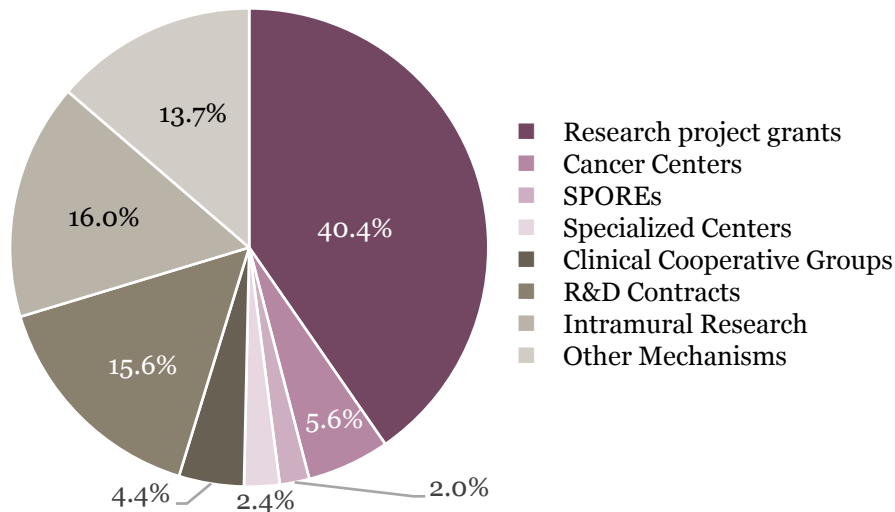
Cancer research compromises the largest program area of the NCI

The NCI is involved in various programs and mechanisms of funding

Background of NCI

- When the President submits an annual budget to Congress, the NCI must prepare a document called the Congressional Justification, which explains the NCI's mission and its proposed budget
- The primary type of program funded by the NCI is research
- The primary mechanisms of funding from the NCI are Research Project Grants

Mechanism Share of the NCI Budget, FY 2017



Major NCI program areas



- 1. Research** – Categorized by detection and diagnosis, treatment, cancer biology and cancer causation



- 2. Resource Development** – Includes research manpower development, buildings and development and cancer centers support



- 3. Cancer Prevention and Control**

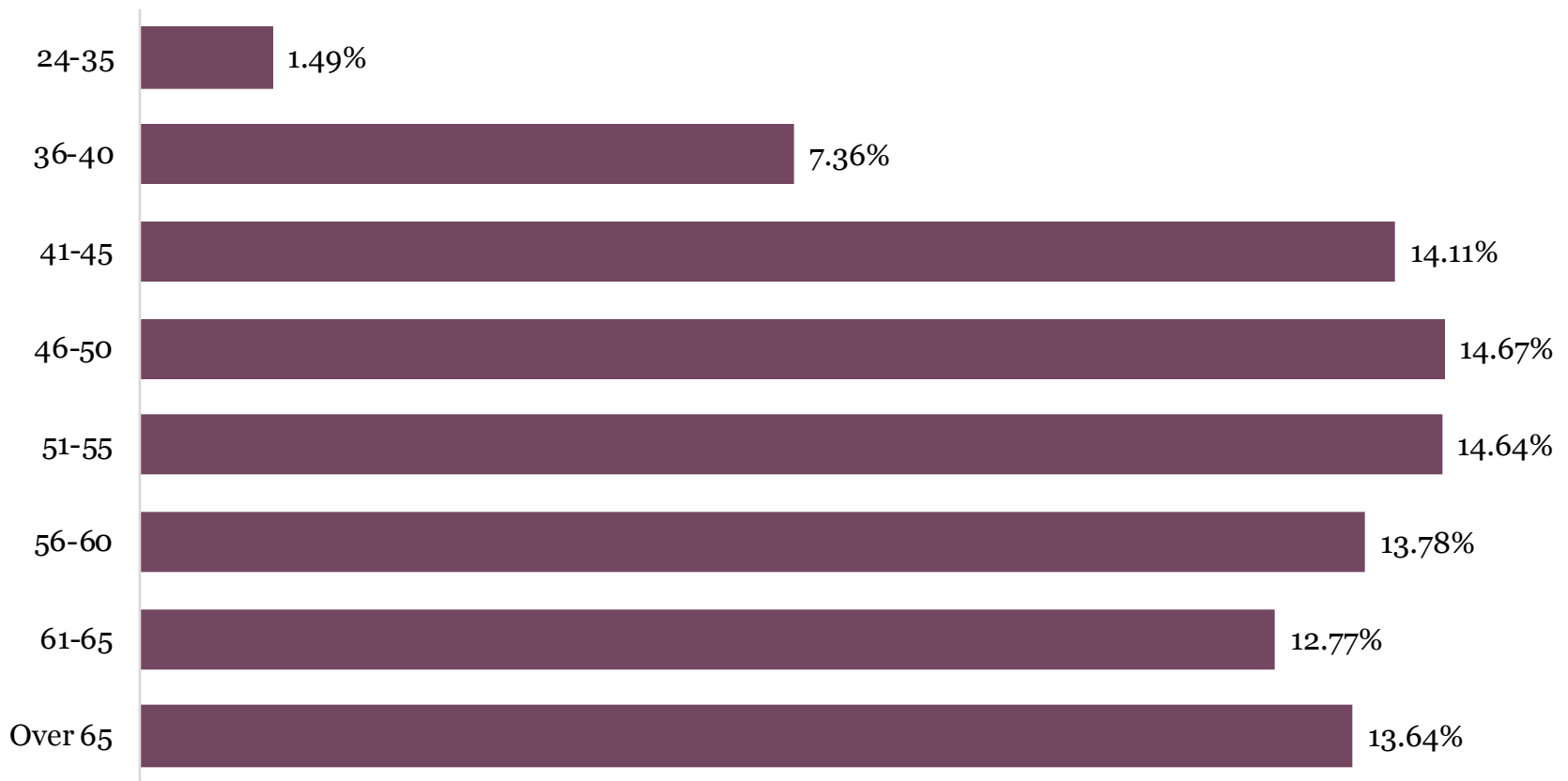


- 4. Program management and support**

Less than two percent of researchers 35 or younger have a research grant from the NIH

Proportion of RPG direct cost dollars awarded by age group

FY2017



Sources: Proportion of Research Project Grant Dollars Awarded by PI Age Group, NIH, updated on April 11, 2018.

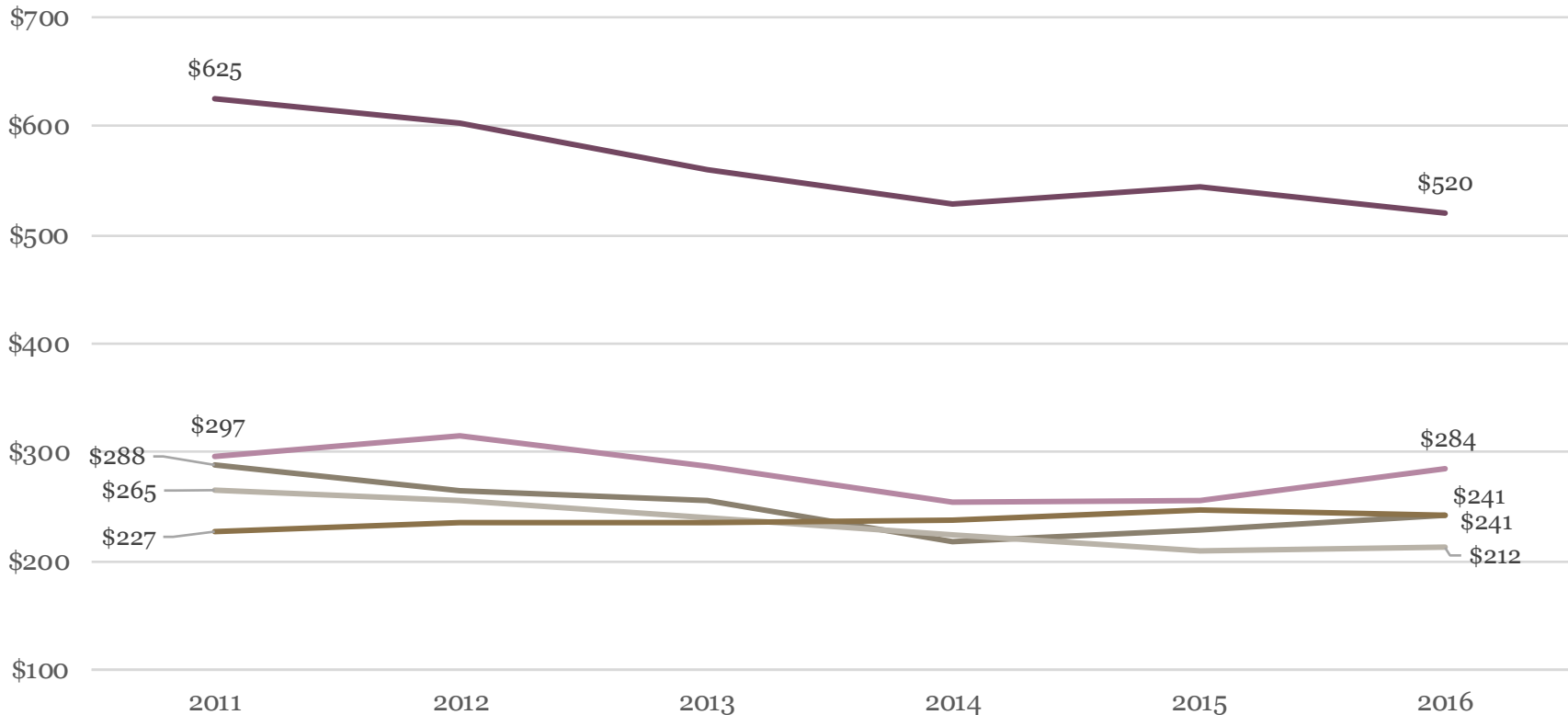
Cancer funding by disease area

Top five cancers receiving NCI funding

DOLLARS IN MILLIONS, FY 2011 – FY 2016

■ Breast Cancer
 ■ Lung Cancer
 ■ Prostate Cancer
 ■ Colorectal Cancer
 ■ Leukemia

Breast cancer funding has **decreased by 16%** since 2011, while leukemia funding has **increased by 10%**



Sources: NCI Funding Trends, cancer.gov.