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White House Cancer Moonshot Task Force

Goals of the Initiative:

- **Accelerate progress in cancer, including prevention & screening**
 - **From cutting edge basic research to wider uptake of standard of care**
- **Encourage greater cooperation and collaboration**
 - **Within and between academia, government, and private sector**
- **Enhance data sharing**

(From Presidential Memo 2016)

Mission

- Make a decade's worth of progress in **cancer prevention, diagnosis, treatment, and care** – ultimately to end cancer as we know it.



Vice President's Office



**Cancer Moonshot
Federal Task Force**



NCI/NIH



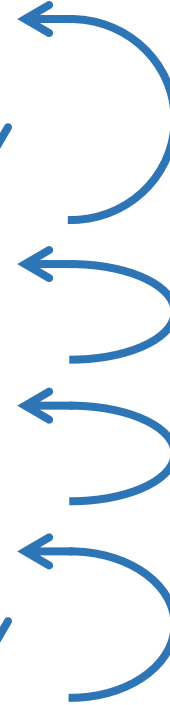
NCAB



"Blue Ribbon Panel"



Working Groups



Implementation

The White House
Office of the Press Secretary

For Immediate Release

January 28, 2016

Memorandum -- White House Cancer Moonshot Task Force

January 28, 2016

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS
AND AGENCIES

SUBJECT: White House Cancer Moonshot Task Force

Cancer is a leading cause of death, and cancer incidence is expected to increase worldwide in the coming decades. But today, cancer research is on the cusp of major breakthroughs. It is of critical national importance that we accelerate progress towards prevention, treatment, and a cure -- to double the rate of progress in the fight against cancer -- and put ourselves on a path to achieve in just 5 years research and treatment gains that otherwise might take a decade or more. To that end, I hereby direct the following:

- Convenes approximately 20 departments, agencies, and offices
- Charged with **leveraging federal investments, targeted incentives, private sector efforts, patient engagement initiatives and more to accelerate progress** in cancer research and treatment

Blue Ribbon Panel

“The Blue Ribbon Panel ... will provide expert advice on the vision, proposed scientific goals, and implementation of the National Cancer Moonshot. ..The panel may also recommend other cancer research activities to enhance this effort.

“The Panel will provide an intensive examination of the opportunities and impediments in cancer research... the Panel may call upon special consultants, assemble ad hoc work groups, convene workshops, and conduct other activities. Findings and recommendations of the Panel will be reported to the NCAB.

“The NCAB will use the Panel’s findings and recommendations to provide final recommendations to the NCI Director.”

(Presidential Memo 2016)

Implementation *(cont.)*

STRATEGIC GOALS

Catalyze New Scientific Breakthroughs

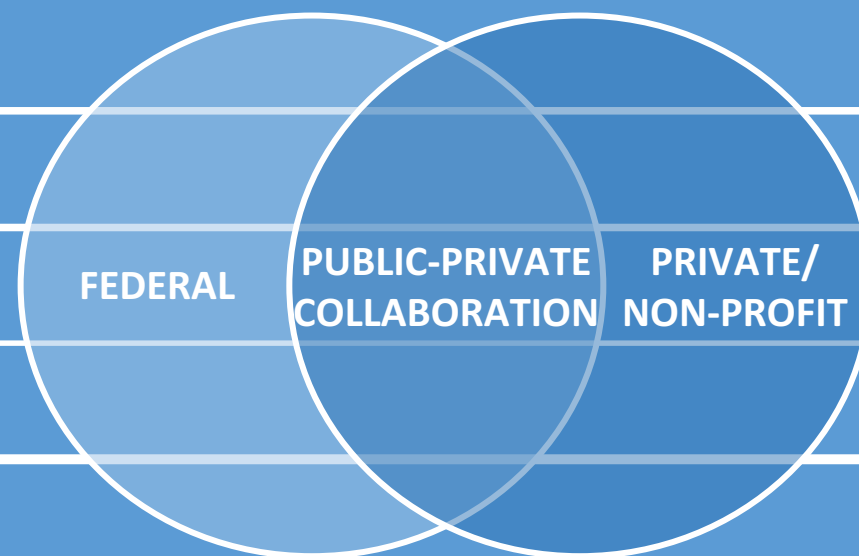
Unleash the Power of Data

Accelerate Bringing New Therapies to Patients

Strengthen Prevention and Diagnosis

Improve Patient Access and Care

IMPLEMENTATION PATH



June 29, 2016



- **38** announcements
 - 12 public sector
 - 26 private sector

<https://www.whitehouse.gov/the-press-office/2016/06/28/fact-sheet-cancer-moonshot-summit-vice-president-biden-announces-new>

Oct 17, 2016



- **36** announcements
 - 8 public sector
 - 28 private sector

<https://www.whitehouse.gov/the-press-office/2016/10/17/fact-sheet-vice-president-biden-delivers-cancer-moonshot-report>

NCI Blue Ribbon Panel Report Recommendations



<http://www.cancer.gov/brp>

- A. Establish a network for direct patient involvement**
- B. Create a clinical trials network devoted exclusively to immunotherapy
- C. Develop ways to overcome cancer's resistance to therapy
- D. Build a national cancer data ecosystem**
- E. Intensify research on the major drivers of childhood cancers
- F. Minimize cancer treatment's debilitating side effects
- G. Expand use of proven cancer prevention and early detection strategies
- H. Mine past patient data to predict future patient outcomes**
- I. Develop a 3-D cancer atlas**
- J. Develop new cancer technologies**

CANCER MOONSHOT



Follow



My Report to the President

Dear Mr. President:



Vice President Biden
Oct 17

The Opportunity: Ending Cancer as We Know It

Chapter 1



The Cancer Moonshot
Oct 17



Liftoff: Cancer Moonshot Implementation Plan

Chapter 4



The Cancer Moonshot
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The Launch: Establishment of a Cancer Moonshot Task Force

Chapter 2



The Cancer Moonshot
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Reaching Target: Ending Cancer as We Know It

Chapter 5



The Cancer Moonshot
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Charting the Course: Organizational Framework

Chapter 3

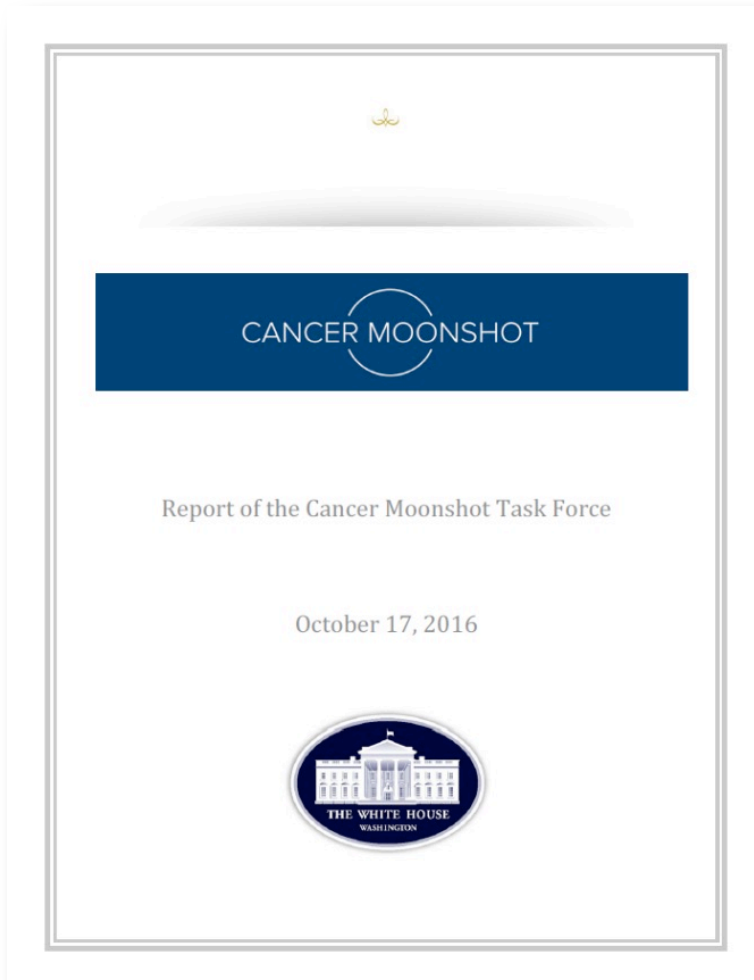


The Cancer Moonshot
Oct 17



<https://medium.com/cancer-moonshot>

Strategic Goal 2—Unleash the Power of Data



Under the Cancer Moonshot, the Task Force is unleashing the power of data to enhance, improve, and inform the journey of every cancer patient from the point of diagnosis through survivorship. To realize this ambitious goal, three priority areas are being tackled: (1) enabling a seamless data environment through shared policies and technologies, (2) unlocking scientific advances through open computational and storage platforms and next generation computer architectures, and (3) developing a workforce capable of using the open and connected data environment. Ultimately, smart collection and use of data can enable the creation of a “learning health care system for cancer,” where as a Nation we learn from the contributed knowledge and experience of every cancer patient.

Without a National Learning Healthcare System for Cancer

