

## Future 1

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November 3, 2023

Palliative
Care
RESEARCH CENTER

Icahn
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Medicine at
Mount
Sinai

## Why are we all here?

To relieve suffering and improve quality of life for persons and families living with serious illness

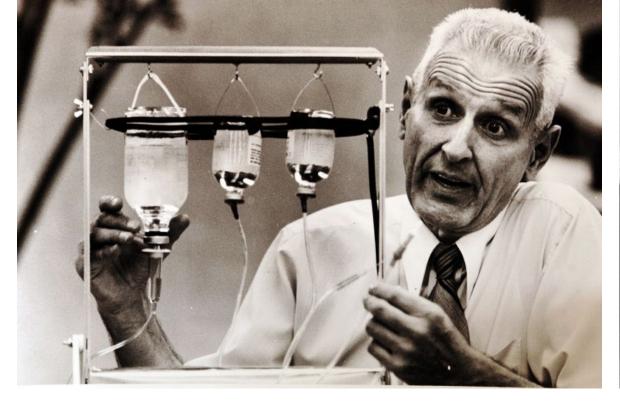
## Serious Illness...

"A health condition that carries a high risk of mortality AND either negatively impacts a person's daily function or quality of life, OR excessively strains their caregivers."

## Palliative Care...

"Beneficial at any stage of a serious illness, palliative care is an interdisciplinary care delivery system designed to anticipate, prevent, and manage physical, psychological, social, and spiritual suffering to optimize quality of life for patients, their families and caregivers. Palliative care can be delivered in any care setting through the collaboration of many types of care providers. Through early integration into the care plan of seriously ill people, palliative care improves quality of life for both the patient and the family."

## The "New" Beginning: 1990





ARTICLE | November 22, 1995

## A Controlled Trial to Improve Care for Seriously III Hospitalized Patients

The Study to Understand Prognoses and Preferences for Outcomes and Risks of Treatments (SUPPORT)

JAMA

The Journal of the American Medical Association

## 64 NIH grants awarded

\$9,023,749 in total costs

0.069% of Total NIH Funding

\*Source: NIH RePORTER

## 719 US hospitals report "End-of-Life Care Services": 15% of all hospitals

## 1997: Five Palliative Medicine Fellowship Programs



Mount Sinai Hospital

Northwestern Memorial Hospital

Cleveland Clinic

Massachusetts General Hospital Memorial Sloan Kettering Cancer Center





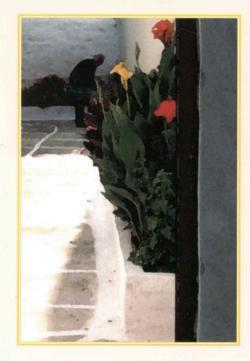




## 1997

- Too many people with serious illness suffer needlessly
  - Most with serious illness experience inadequately treated symptoms; fragmented care; poor communication with their clinicians; and strains on family caregiver and support systems
- Legal, organizational, and economic obstacles obstruct reliably excellent palliative care
- Education and training of health care professionals fail to provide the necessary knowledge and skills required to care for the seriously ill
- The knowledge base is inadequate to support evidence-based palliative care clinical practice

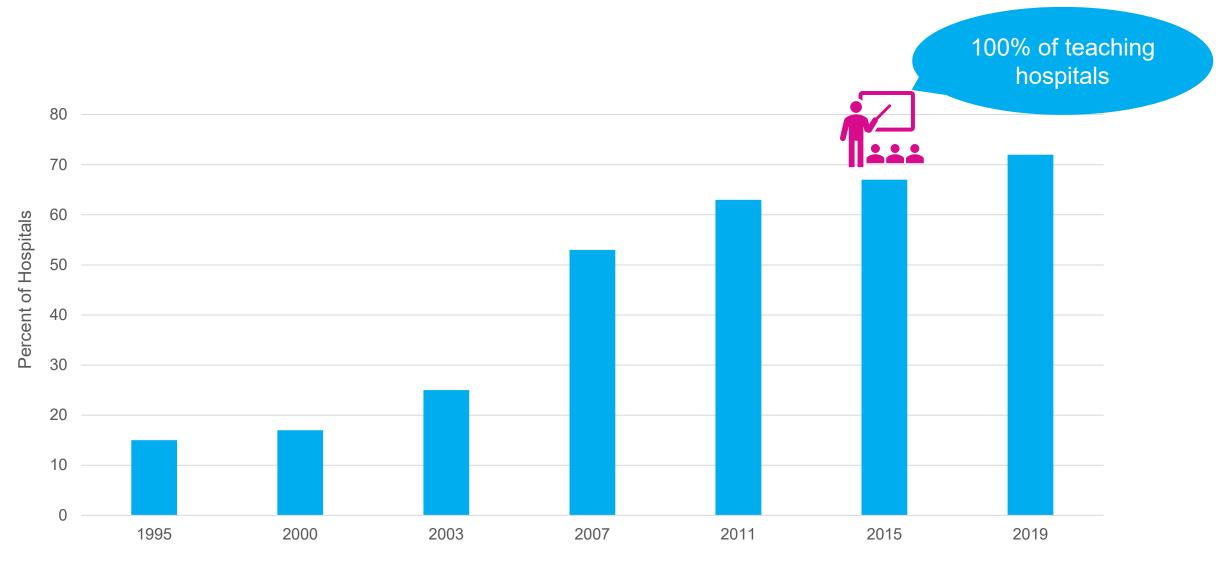
#### APPROACHING DEATH



IMPROVING CARE

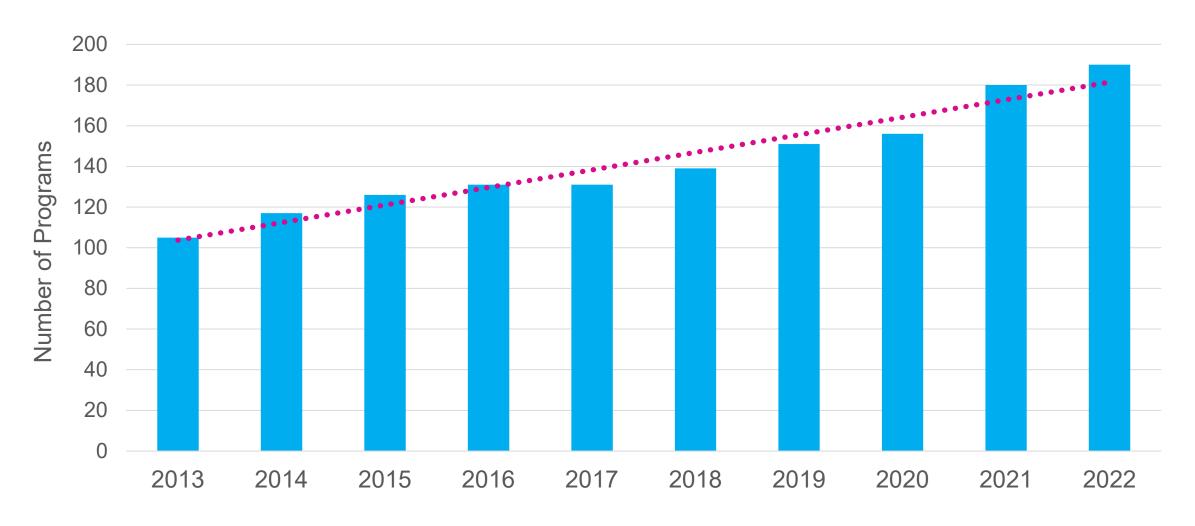
Twenty Five Years Later...

### **US Hospitals (50+ beds) With Palliative Care Programs**



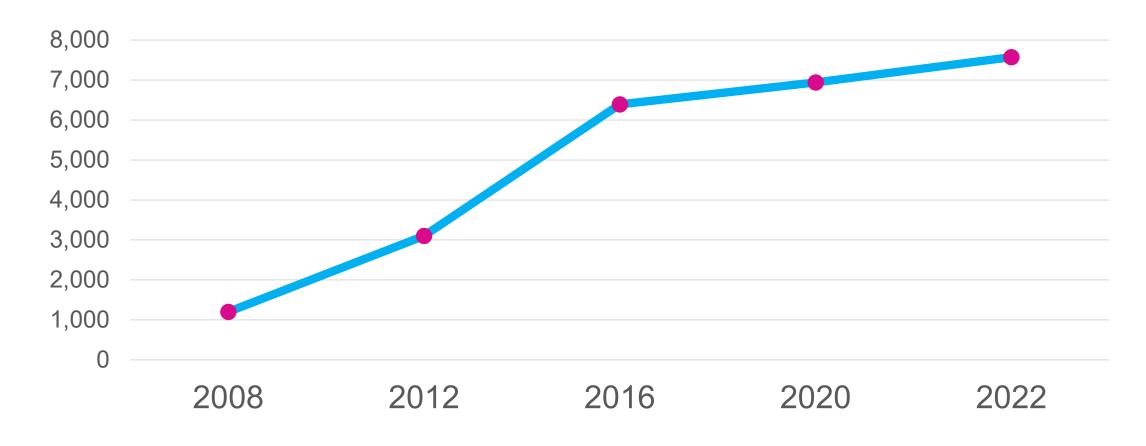
Source: CAPC and NPCRC

### **Palliative Medicine Fellowship Programs**



Source: AAHPM and National Residency Match Program

### **Board Certified Palliative Medicine Physicians**



Source: ABMS

## This Did Not Occur by Accident...

## MONEY





PROJECT ON DEATH IN AMERICA

> \$250 million

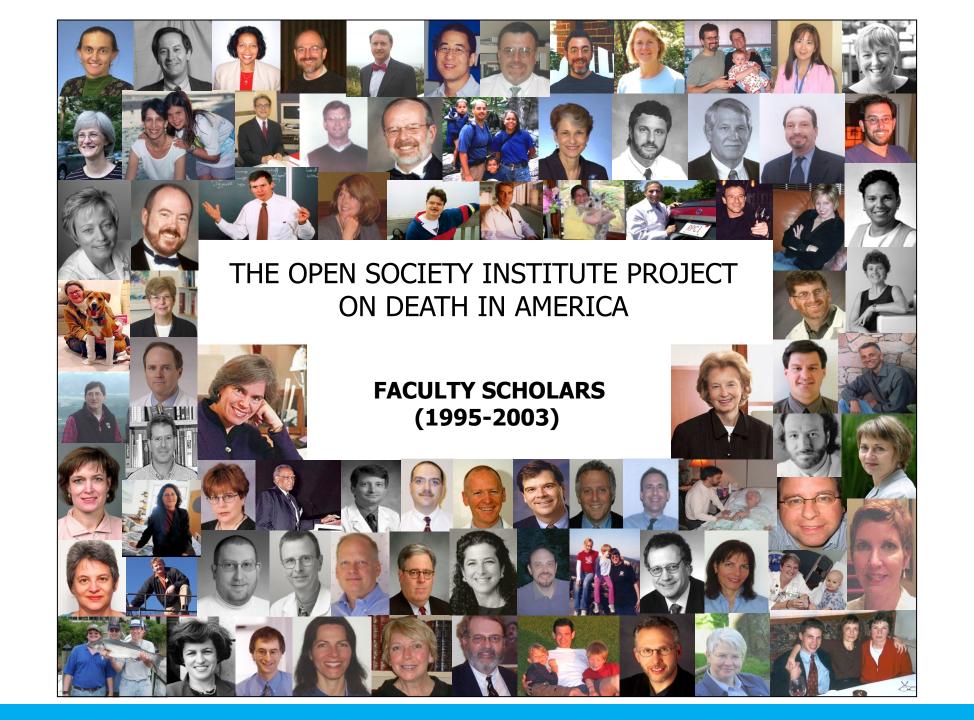
#### And...

- Altman Foundation
- Archstone Foundation
- Atlantic Philanthropies
- California Healthcare Foundation
- Cambia Foundation
- Cameron and Hayden Lord Foundation
- Emily Davie and Joseph S. Kornfeld Foundation
- Gary and Mary West Foundation
- Gordon and Betty Moore Foundation
- Hearst Foundations
- Pat and Jay Baker Foundation

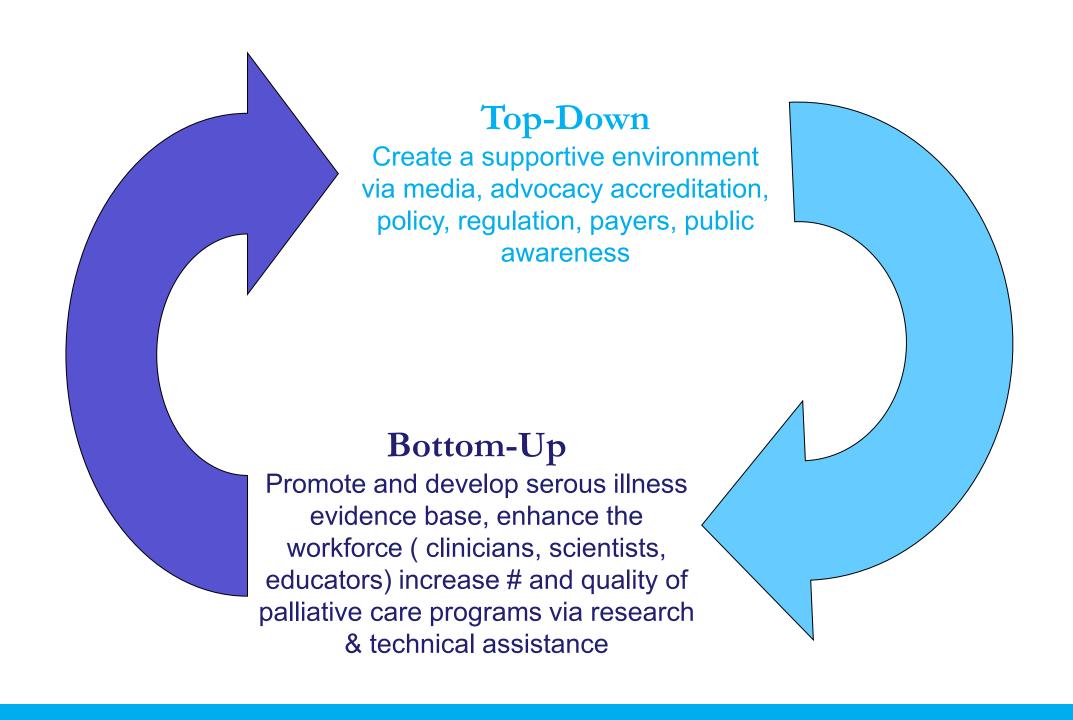
- The American Cancer Society
- The Brookdale Foundation Group
- The Commonwealth Fund
- The Fan Fox and Leslie R. Samuels Foundation
- The Greenwall Foundation
- The New York Community Trust
- The John A. Hartford Foundation
- The SCAN Foundation
- The Y.C. Ho/Helen and Michael Chiang Foundation
- U.S. Cancer Pain Relief Taskforce
- And many other individual donors and local foundations...

## **LEADERSHIP**

**STRATEGY** 







## **Guiding Principles**

Create a unified scientific community

Align with the prevailing scientific culture and infrastructure and plan for integration

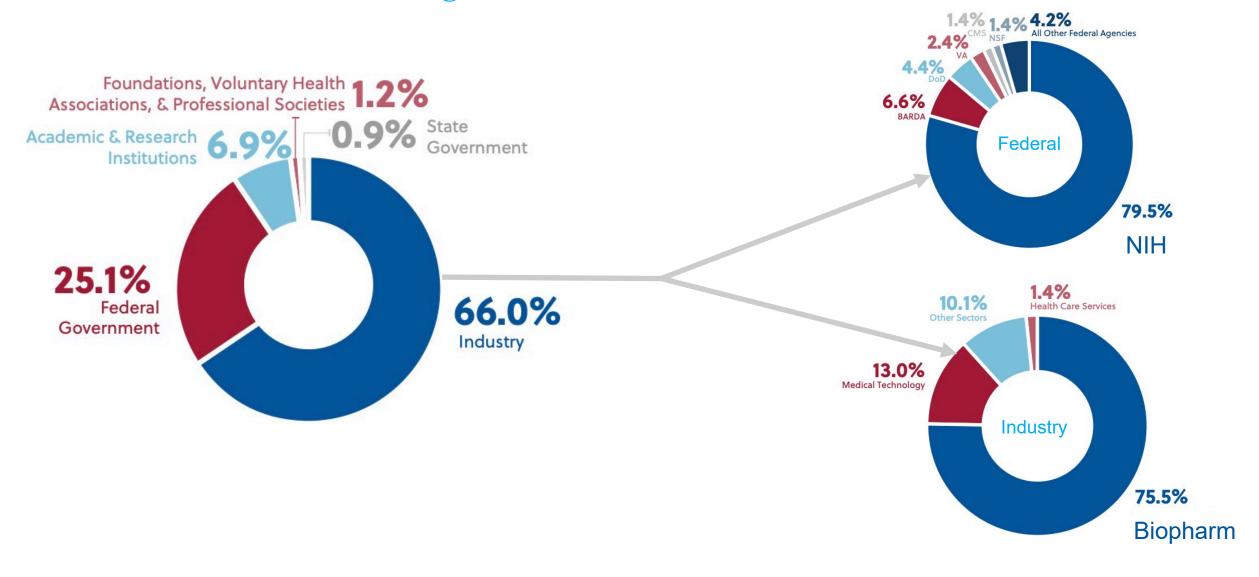
Focus on what is scalable and has low unit costs

- -Reduce opportunity costs
- -Don't reinvent the wheel

Create long-term sustainability

-Philanthropic dollars are scarce and limited

#### **Biomedical Research Funding in the United States**



## 







#### NIH State of the Science Conference

## **Planning Committee**

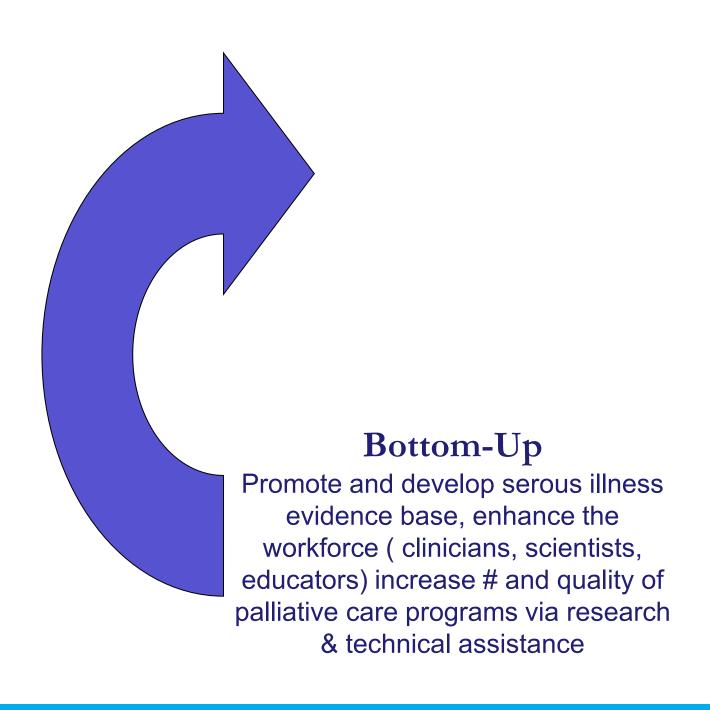
David Casarett, R. Sean Morrison, Susan McMillan, Margaret Heitkemper, James Tulsky +16 NIH staff

Presenters

David Casarett, Harvey Chochinov, LaVera Crawley, J. Randall Curtis, Paula Diehr, Betty Ferrell, Thomas Finucane, Irene Higginson, Pamela S. Hinds, Elizabeth Lamont, Karl Lorenz, Susan McMillan, R. Sean Morrison, Greg A. Sachs, Karen Steinhauser, Margaret Stroebe, Joan Teno, James Tulsky, Charles von Gunten

#### Recommendations

- Create a network of investigators and well-defined cohorts of patients to facilitate coordinated interdisciplinary, multisite studies
- > Explore public private partnerships related to end-of-life research support
- > Enhance training of a new generation of interdisciplinary scientists



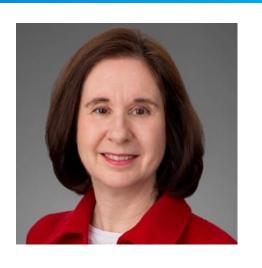




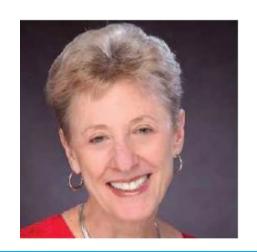
## 2005







## National Palliative Care Research Center







#### National Palliative Care Research Center: (2005-2025)

Create a new generation of scientific leaders to address workforce needs and close knowledge gaps in serious illness care through 2-year pre-K career development awards for early stage and pilot award funding for senior investigators

Provide technical assistance for investigators to better compete for federal funding to build the evidence base

Create consensus around priorities for serious illness research across the lifespan

Establish and nourish a diverse national interdisciplinary community of serious illness scientists

Journal of Palliative Medicine, Vol. 13, No. 12 | Special Report

# A Strategy To Advance the Evidence Base in Palliative Medicine: Formation of a Palliative Care Research Cooperative Group



Amy P. Abernethy 🖂, Noreen M. Aziz, Ethan Basch, Janet Bull, Charles S. Cleeland, David C. Currow, Diane Fairclough, Laura Hanson,

Joshua Hauser, Danielle Ko, Linda Lloyd, R. Sean Morrison, Shirley Otis-Green, Steve Pantilat, Russell K. Portenoy, Christine Ritchie,

Graeme Rocker, Jane L. Wheeler, S. Yousuf Zafar, and Jean S. Kutner

Published Online: 14 Dec 2010 | https://doi.org/10.1089/jpm.2010.0261

#### **Acknowledgments**

We thank the National Palliative Care Research Center for generously supporting expenses for the meeting in Denver



## Notice of Intent to Publish a Funding Opportunity Announcement for Palliative Care Research Co-Operative (PCRC)(Limited Competition, U24)

**Notice Number: NOT-NR-13-001** 

#### **Key Dates**

Release Date: October 10, 2012

**Estimated Publication Date of Announcement: November 2012** 

First Estimated Application Due Date: January 2012

Earliest Estimated Award Date: July 2013 Earliest Estimated Start Date: July 2013

#### **Issued by**

National Institute of Nursing Research (NINR)

#### **Purpose**

The National Institute of Nursing Research (NINR) intends to promote a new initiative by publishing a Funding Opportunity Announcement (FOA)to solicit applications for research on and resource activities of the Palliative Care Research Cooperative (PCRC) group that will facilitate cutting edge palliative care and end of life research. The PCRC will facilitate studies that need to be conducted quickly and with larger samples and multiple sites, and quantifying and better understanding the risks, issues, and impact of Life Limiting Diseases (LLDs) on patient and caregiver health outcomes.

## 2013



About Membership Research Funding Opportunities Cores/Centers News & Publications Who We Are Resources

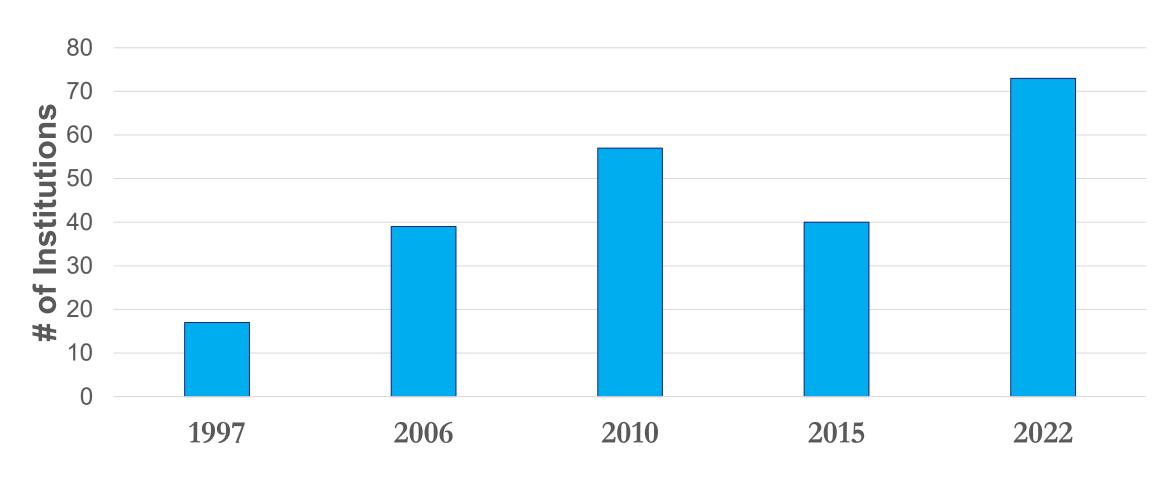
## A COMMUNITY OF DISCOVERY

The Palliative Care Research Cooperative Group (PCRC) is a vibrant interdisciplinary research community committed to advancing rigorous palliative care science and improving care for people with serious illness.

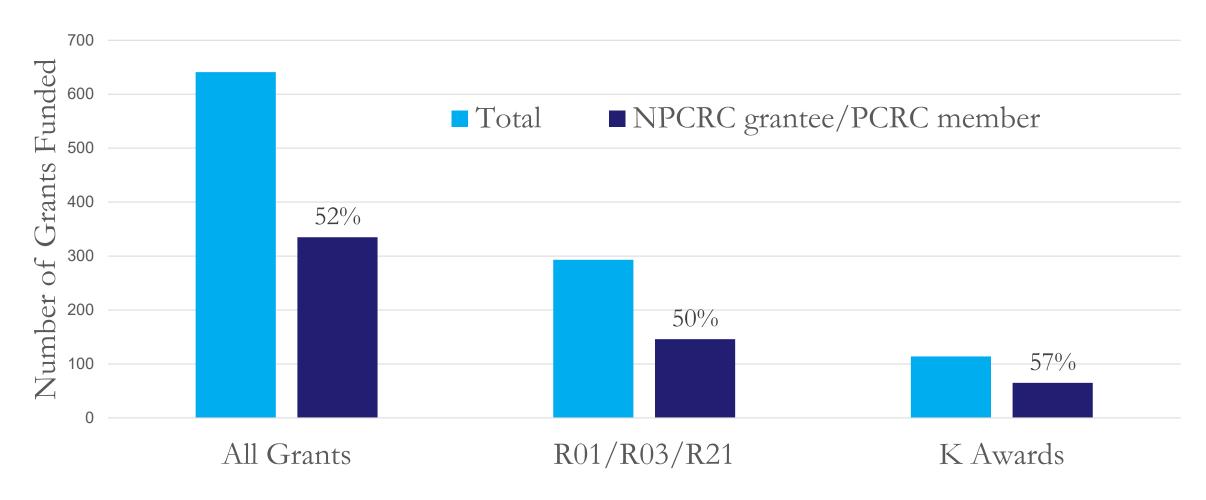
#### Palliative Care Research Cooperative (2010-2023)

- Technical assistance, training and pilot grant awards for scientists at all levels of experience in the conduct of clinical studies.
- Coordinate and resource nationally representative, multi-institutional studies that include diverse populations.
- Provide research infrastructure
- Cooperative group-like structure to foster recruitment for clinical trials

#### Palliative Care Research Capacity: Institutions with R01 Funded Investigators

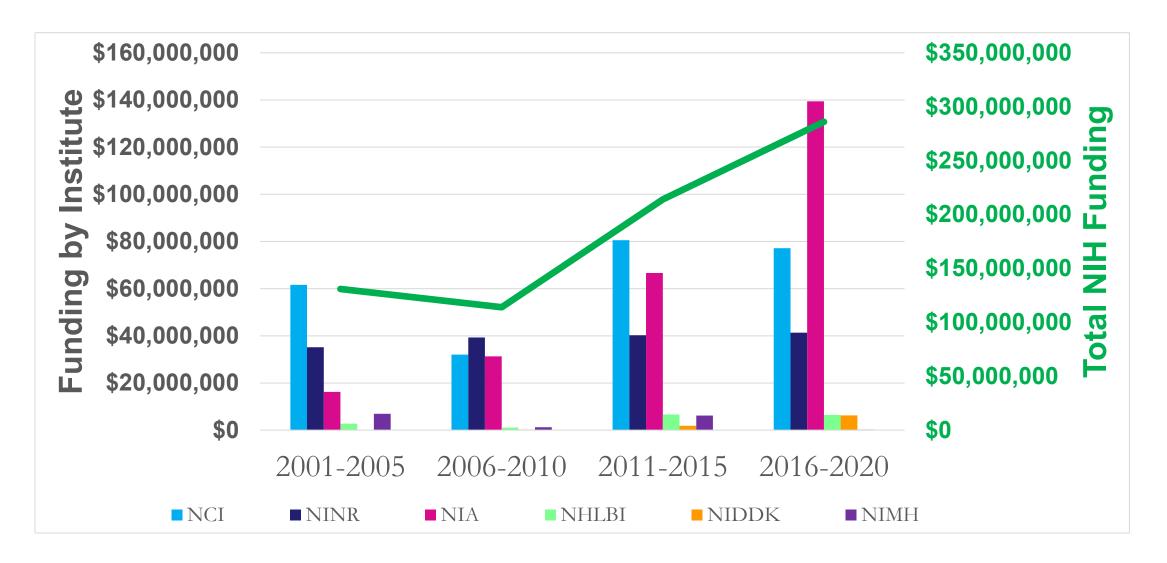


### Serious Illness Research Grants Awarded by NIH (2016-2020)



\*Source: NIH RePORTER

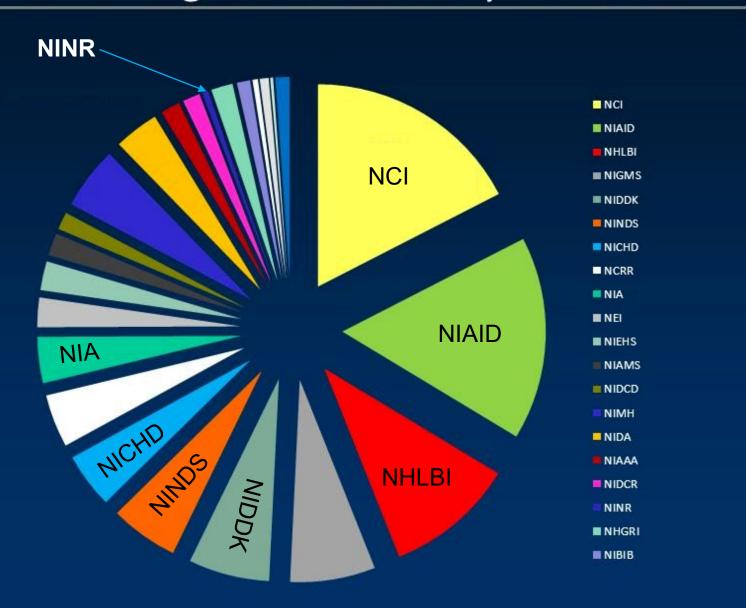
## NIH Grant Dollars Awarded for Serious Illness Research By Institute



## Top-Down

Create a supportive environment via media, advocacy accreditation, policy, regulation, payers, public awareness

## NIH Budget Allocation by Institute



#### **Annals of Internal Medicine**

#### MEDICINE AND PUBLIC ISSUES

## Advanced Dementia: State of the Art and Priorities for the Next Decade

Susan L. Mitchell, MD, MPH; Betty S. Black, PhD; Mary Ersek, RN, PhD; Laura C. Hanson, MD, MPH; Susan C. Miller, PhD; Greg A. Sachs, MD; Joan M. Teno, MD, MS; and R. Sean Morrison, MD

Dementia is a leading cause of death in the United States. This article outlines the current understanding of advanced dementia and identifies research priorities for the next decade. Research over the past 25 years has largely focused on describing the experience of patients with advanced dementia. This work has delineated abundant opportunities for improvement, including greater recognition of advanced dementia as a terminal illness, better treatment of distressing symptoms, increased access to hospice and palliative care services, and less use of costly and aggressive treatments that may be of limited clinical benefit. Addressing those opportunities must be the overarching objective for the field in the coming

decade. Priority areas include designing and testing interventions that promote high-quality, goal-directed care; health policy research to identify strategies that incentivize cost-effective and evidence-based care; implementation studies of promising interventions and policies; and further development of disease-specific outcome measures. There is great need and opportunity to improve outcomes, contain expenditures, reduce disparities, and better coordinate care for the millions of persons in the United States who have advanced dementia.

Ann Intern Med. 2012;156:45-51.
For author affiliations, see end of text.

www.annals.org







## **National Alzheimer's Project Act**





**DEVELOP AD RESEARCH** 

## Claude D Pepper Older Americans Independence Centers





Volume 16, Number 7, 2013 © Mary Ann Liebert, Inc. DOI: 10.1089/jpm.2013.9499 Special Report: NIA White Papers









#### Research Priorities in Geriatric Palliative Care: An Introduction to a New Series

## Department of Health and Human Services

#### Part 1. Overview Information

| Participating Organization(s)             | National Institutes of Health (NIH)                                  |
|---|--|
| Components of Participating Organizations | National Institute on Aging (NIA)                                    |
|   | National Center for Complementary and Integrative Health (NCCIH)     |
|   | National Institute of Nursing Research (NINR)                        |
|   | National Institute on Minority Health and Health Disparities (NIMHD) |
|   | National Cancer Institute (NCI)                                      |
|   | National Heart, Lung, and Blood Institute (NHLBI)                    |
| Funding Opportunity Title                 | Advancing the Science of Geriatric Palliative Care (R01)             |

2010 2011



**FY'11: Senate Labor Health and Humans Services Appropriations Report** "The Committee strongly urges the NIH to develop a trans-Institute strategy for increasing funded research in palliative care for persons living with chronic and advanced illness."



Alzheimer's Association **AAHPM** American Association of Colleges of Nursina American Cancer Society Cancer Action Network American Heart Association American Psychological Association American Psychosocial **Oncology Society** Association for Clinical Oncology Association of Oncology Social Work Association of Pediatric Hematology/Oncology Nurses CSU Institute for Palliative Care Cambia Health Solutions Cancer Support Community Catholic Health Association CAPC Children's National Health System Coalition for Compassionate Care of California Colorectal Cancer Alliance Courageous Parents Network

ElevatingHOME / VNAA

GW Institute for Spirituality and Health GO<sub>2</sub> for Lung Cancer **Hospice Action Network HPNA** Leukemia & Lymphoma Society Motion Picture & Television Fund National Alliance for Caregiving **National Brain Tumor Society** National Coalition for Cancer Survivorship **NCHPC** National Comprehensive Cancer Network **NPCRC** National Patient Advocate Foundation National POLST Paradigm **Oncology Nursing Society Pediatric Palliative Care Coalition** Physician Assistants in Hospice and Palliative Medicine **Prevent Cancer Foundation** ResolutionCare **SWHPN** St. Baldrick's Foundation Supportive Care Coalition **Supportive Care Matters Trinity Health** 

## **PQLC** Advocacy

## FY'19 Senate Labor Health and Humans Services Appropriations Report

"The Committee recognizes the importance of palliative care research to strengthen clinical practice and improve healthcare delivery for patients with serious or life-threatening illness or multiple chronic conditions, as well as their families/caregivers. Research funding for palliative care, including pain and symptom management, comprises less than 0.1 percent of the NIH annual budget.\* Therefore, the Committee strongly urges NIH to develop and implement a trans-Institute strategy to expand and intensify national research programs in palliative care to address quality of care and quality of life for the rapidly growing population of individuals in the United States with serious or life-threatening illnesses."

## **PQLC** Advocacy

## FY'23 Congressional Consolidated Appropriations Act, 2023

"Palliative Care.-The agreement reiterates the need for NIH to develop and implement a trans-Institute strategy to expand and intensify national research programs in palliative care. The agreement urges NIH to ensure that palliative care is integrated into all areas of research across NIH and requests an update on plans to realize this coordination in the fiscal year 2024 Congressional Justification."

In response to the congressional request included in the Consolidated Appropriations Act, 2023 the NIH provided an update regarding ongoing activities and outlined new opportunities in palliative care research, stating in part:

"Moving forward, NIA is leading efforts to convene subject matter experts from the ICOs listed above [NCI, NICHD, NIMH NINDS, NINR] to expand and intensify the strategic coordination of palliative care research efforts as well as identify future research topics and questions that pertain to palliative care."

## **PQLC** Advocacy

## FY '24 Senate Appropriations Committee approved funding bill for the Department of Health and Human Services:

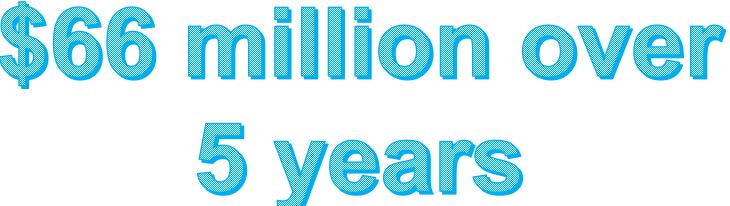
Palliative Care Research-The Committee provides \$12,500,000 for NIA to implement a trans-Institute, multi-disease strategy to focus, expand, and intensify national research programs in palliative care. NIH is directed to establish a comprehensive multi-Institute and multi-Center initiative aimed at a wide variety of palliative care research, training, dissemination, and implementation of projects to intensify the strategic coordination of palliative care research efforts. Funding is provided to establish an extramural-based palliative care research consortium with no less than three sites to provide technical assistance, pilot and exploratory grant funding, research dissemination on, data repositories, data analytics, and career development support for interdisciplinary palliative care. NIH shall prioritize grantees with a recognized expertise and leadership in palliative care. The Committee encourages NIH to fund several multiyear, early-career development grants. Appropriations provided in fiscal year 2024 for training are expected to cover 2 years of funding for career development awards.

The Committee requests a briefing within 120 days of enactment on how this strategy will be established and implemented, including timelines on when funding opportunities will be issued and when funding will be awarded.

## October 2023

Notice of Intent to Publish a Funding Opportunity Announcement for Consortium for Palliative Care Research Across the Lifespan (U54 Clinical Trial Required)

| nesearch Across the Lifespair (034                               | Oliffical Mai Nequired)             |
|--|-------------------------------------|
| Notice Number:   | NOT-AG-23-050                       |
| Key Dates  |                                     |
| Release Date:  | October 06, 2023                    |
| Estimated Publication Date of Notice of Funding Opportunity :    | December 14, 2023 February 14, 2024 |
| First Estimated Application Due Date:                            | February 14, 2024                   |
| Earliest Estimated Award Date:                                   | December 02, 2024                   |
| Earliest Estimated Start Date:                                   | December 02, 2024                   |
| Related Announcements None                                       |                                     |
| Issued by National Institute on Aging (NIA)                      |                                     |
| Eunice Kennedy Shriver National Institute of Child Health and Hu | ıman Development (NICHD)            |
| National Institute of Mental Health (NIMH)                       |                                     |
| National Institute of Neurological Disorders and Stroke (NINDS)  | Funding Information                 |
| National Institute of Nursing Research (NINR)                    | Estimated Total Funding             |
| National Cancer Institute (NCI)                                  |                                     |
|  |                                     |



In fiscal year (FY) 2025, NIA and partner ICOs intend to commit up to \$9,500,000 in total cost.

In FY 2026 - FY 2029, NIA and partner ICOs intend to commit \$14,000,000 per year in total cost.

Expected Number of Awards

1



Now, this is not the end. It is not even the beginning to the end. But it is, perhaps, the end of the beginning.

Sir Winston Churchill, Following the victory at El Alamein North Africa, London, 10 November 1942.

# Serious Illness Research: The Next Stage

