NAM Grand Challenge: Creating a Global Roadmap for Healthy Longevity

Victor J Dzau, MD
President, US National Academy of Medicine

February 3, 2020
In 2050, ~18% of global population (1.6B) will be 65+
In 2050, ~6% of global population will be under 5

Decrease in global fertility rate

Since the 1960s, total global fertility rates have been cut in half.

Source: UN
In both industrialized and developing countries, the rate of population aging stands to fundamentally impact how families, communities, societies, industries and economies function

- Chronic diseases: patterns and prevalence
- Health care delivery and financing
- Family structure and relationships
- Social infrastructure
- Social insurance and retirement programs
- Workforce size and composition
Are we prepared?

- Overall, very mixed levels of preparedness globally (CSIS Global Aging Preparedness Index; HelpAge International Global Age Watch Index)
  - Very few countries have made significant additional progress in reducing the projected magnitude of their old-age dependency burdens
  - Many countries that do well on one dimension of “aging preparedness” do poorly on the other…There are also few countries that fail to score well on either dimension of aging preparedness
- While some countries and governments have begun to act and are starting plan for the long-term, too many have not
- Preparing financially, socially, and scientifically for longer lifespans is a global imperative
Realizing the Healthy Longevity Dividend

- Mitigating the challenges and potential burdens posed by global aging will require broad, systematic change and deliberative action across
  - Basic and translational science
  - Clinical medicine and health care
  - Personal, social, economic, and environmental determinants
  - Policy and financing
- There is a need for a comprehensive and global assessment of the challenges facing the aging population, including the promising solutions and directions required for improving health, productivity, and quality of life
Achieving Healthy Longevity: NAM Grand Challenge

“Inspire the nation to coalesce around shared priorities and audacious goals for addressing the big challenges and opportunities in science and medicine.” (Dzau 2015)

Set aspirational and open-ended goals to inspire action at many levels.

1. Comprehensively address the challenges and opportunities presented by global population aging;
2. Address social, economic, political, and other environmental factors that affect the health of the aging population;
3. Catalyze breakthrough ideas and research that will extend the human healthspan;
4. Generate transformative and scalable innovations worldwide; and
5. Build a dynamic network of support for healthy longevity, encompassing health care, social factors, economics, research and innovation, industry, policy, community, and beyond.
• Comprehensive assessment of the challenges and opportunities presented by global aging, as well as the promising solutions and necessary directions for improving, health, productivity, and quality of life

• Catalyze breakthrough ideas and research that will extend the healthspan

• Achieve transformative and scalable innovation in healthy aging and longevity

• Build a broad ecosystem of support.
Global Roadmap for Healthy Longevity
Statement of Task: Overview

• An international commission will be convened to assess the challenges presented by global aging and demonstrate how these challenges can be translated into opportunities for societies globally.

• The commission will assess the evidence across three domains:
  o social, behavioral, and environmental enablers;
  o health care systems and public health;
  o and science and technology.

• The commission will consider cross-cutting themes including
  o policy and practice;
  o health equity and disparities;
  o innovation;
  o financing;
  o and monitoring and metrics

• The commission will produce a roadmap with actionable recommendations to guide stakeholders in devising integrated, systems-based approaches
Evidence Supplied by Workstreams/Workshops

Crosscutting themes:
- Policy and Practice;
- Health Equity and Disparities;
- Innovation;
- Financing;
- Monitoring Metrics

Data will be gathered through consultations, commissioned papers, or primary data gathering with key constituent groups.
International Commission

Linda Fried, Co-Chair
Columbia University

John Eu-Li Wong, Co-Chair
The National University of Singapore

Isabella Aboderin
African Population and Health Research Center

Ann Aerts
Novartis Foundation

John Beard
WHO Department of Ageing and Life-Course (former)

Lisa Berkman
Harvard Center for Population and Development Studies

Laura Carstensen
Stanford University

Michele J. Grimm
Michigan State University

Paul Irving
Milken Institute Center for the Future of Aging

Mehmood Khan
Life Biosciences

Mosa Moshabela
University of KwaZulu-Natal, South Africa

Hiroki Nakatani
Keio University, Japan

John Piggott
Australian Institute for Population Ageing Research

Jennie Popay
Lancaster University

John (Jack) W. Rowe
Columbia University

Jeanette Vega
Red de Salud UC-Christus, Chile

Eric Verdin
Buck Institute for Research on Aging

*Representing 8 different countries and 6 continents*
A Vision for Healthy Longevity

Workshop Goals

This workshop will examine potential approaches and reforms across the entire spectrum of norms, institutions, and systems that provide health- and social-related services to address the multidimensional needs of older populations.

This workshop discuss the following topics:

- Existing evidence on the entire system of health care, health promotion, and preventive services for aging populations. These discussions will also identify the potential for innovative new approaches in these areas;
- Critical challenges and gaps in the current workforce;
- Key successes and failures of policies and programs across the life course that affect healthy longevity;
- Health financing and policy tools to guide effective multi-sectoral solutions and actions to reform health systems in ways that will that have a positive impact on aging;
- The potential for new data approaches, health information tools and innovations; and
- Effective mechanisms for stimulating meaningful collaboration among relevant stakeholders across sectors and disciplines.
Thank you

Find Us Online

@theNAMedicine

www.facebook.com/NAMedicine

www.nam.edu