

# SCIENCE OF HEALTH DISPARITIES RESEARCH

## NIMHD STRATEGIC PLAN DEVELOPMENT

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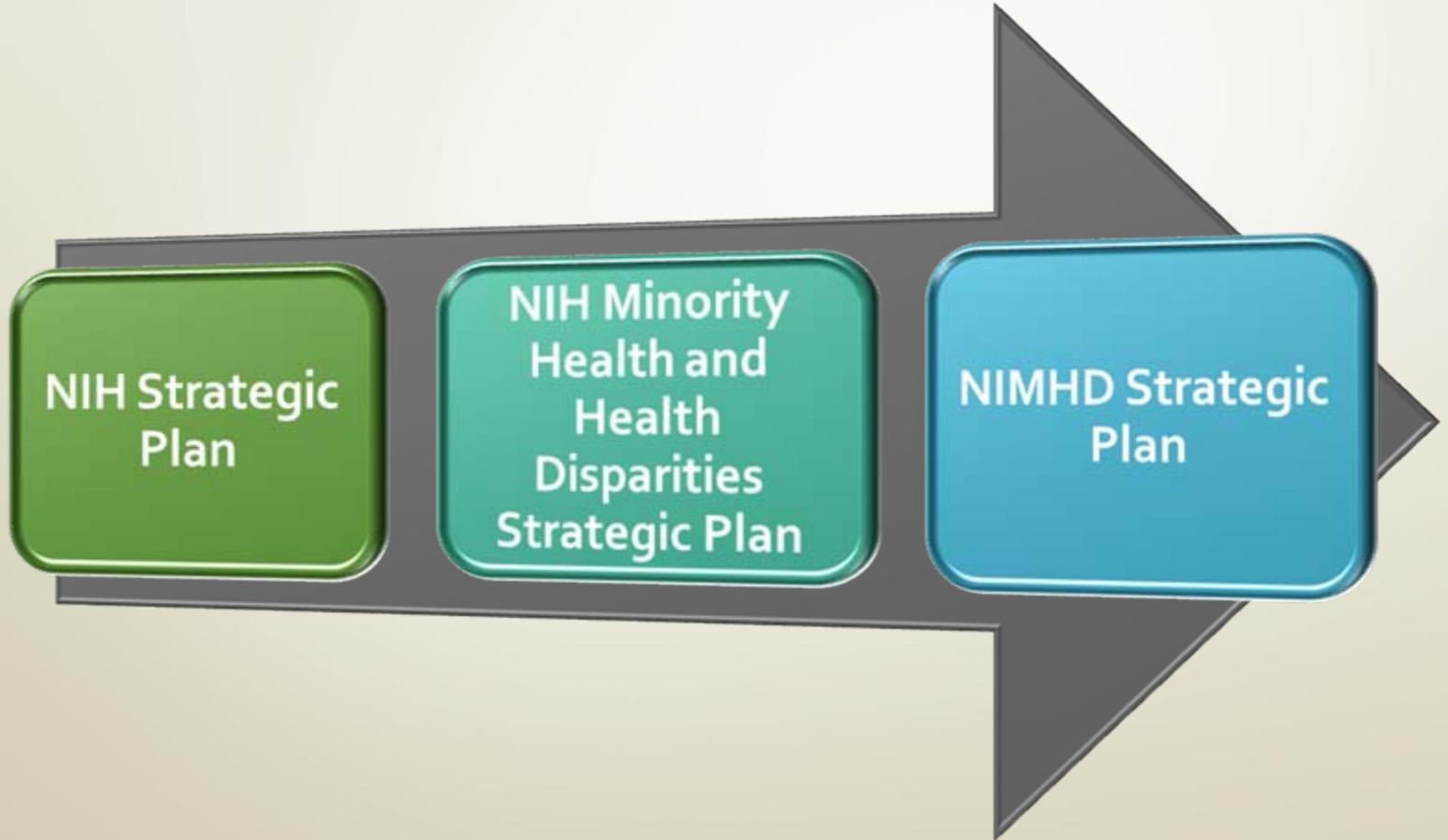
NIH Tribal Consultation Advisory Committee  
September 29, 2015



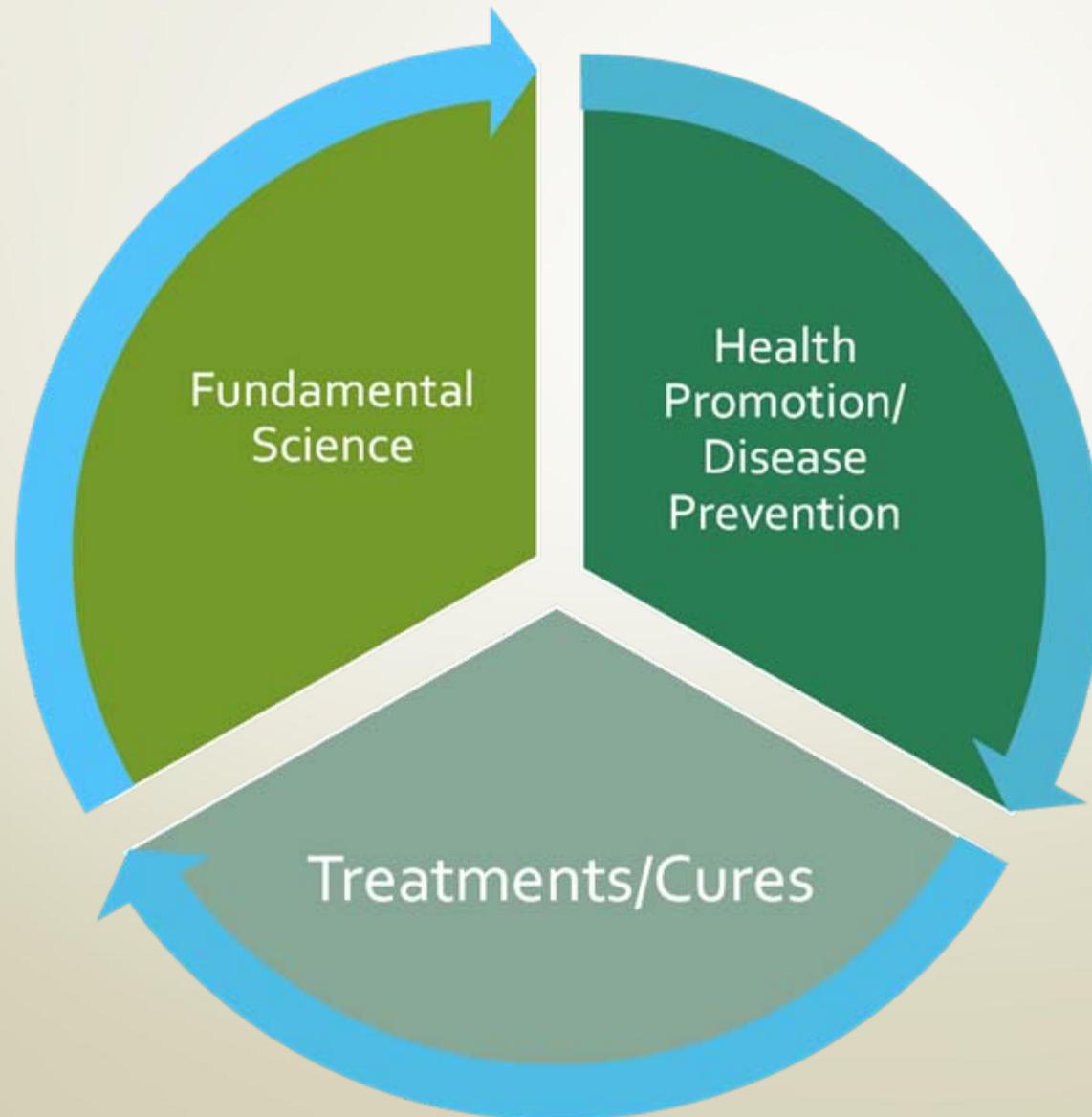
# NIMHD Mission

NIMHD conducts and supports research, training of a diverse workforce, research capacity and infrastructure development, and public education and information dissemination programs. NIMHD is the leading entity at the NIH for planning, reviewing, coordinating, and evaluating minority health and health disparities research activities conducted by the NIH Institutes and Centers.

# Strategic Plan Synergy



# NIH Strategic Plan – December 2015





## NIHMD Strategy to Advance the Science of Health Disparities

### Define Minority Health and Health Disparities distinctively in order to:

- scientifically investigate the health of race/ethnic minority groups
- better design projects to reduce health disparities among disenfranchised groups

Ensure the best scientific strategies to address minority health and health disparities are included in the NIH and NIMHD strategic planning process

# Minority Health Definitions

- **Minority Health Definition:** Health characteristics and health care of minority racial and/or ethnic group who are socially disadvantaged and/or subject to potential discriminatory acts.
- **Minority Health Research Definition:** The scientific investigation of health and health care of minority racial and/or ethnic groups.

# Minority Health Populations

## OMB standards – Minority Racial/Ethnic Classification

- African American or Black
- Asian American
- American Indian or Alaska Native
- Native Hawaiian or Other Pacific Islander
- Latino or Hispanic

# Minority Health Research Activity Strategies

## Research

- Understand the etiology of adverse health outcomes
- Develop/test interventions to improve the health status
- Conduct implementation and dissemination research

## Capacity Building

- **Develop a diverse biomedical research workforce**
- **Support institutional infrastructure development**
- **Track racial/ethnic group survival, incidence, prevalence, mortality, biobanks**

## Outreach

- Disseminate knowledge effectively
- Engage affected populations to participate in clinical research and 'omic data collection

# MH Differences that Indicate a Health Disparity

## Disease/Disorder presents with:

- Greater Risks for disease
- Higher or unique incidence or prevalence
- Earlier onset of illness
- Faster progression or aggressive form
- Later diagnosis and worse health care
- Poorer outcomes (morbidity, survival, quality of life, differential outcomes and mortality)

# Health Indicators

# NIH Health Disparities

## **NIH Health Disparity Definition:**

A health difference that adversely affects traditionally disadvantaged populations based on one or more of the health indicators

## **NIH Health Disparity Research Definition:**

A multi-disciplinary field of study devoted to gaining greater scientific knowledge about the influence of health determinants, and translating this knowledge into interventions to reduce health and health care disparities

# Health Disparity Populations

**OMB standards – Minority Racial/Ethnic Classification**

**Plus Other Populations with Health Disparities**

(2012 Health Disparities Report AHRQ)

- **Poor (low income)**
- **Rural**
- **Urban**
- **LGBT/Sexual and Gender Minorities (SGM)**
- **Child and Adolescent Health**
- **Immigrant and Migrant**
- **Special Needs: Disabled, Chronic Care, End-of-life, Medically Underserved, Disadvantaged**

# Health Disparities Research Activity Strategies

## Research

- Identify health disparity based on the health indicators
- Understand the etiology of the health disparity with respect to social, behavioral, environmental, and biological determinants
- Develop and test interventions to reduce a health disparity

## Capacity Building

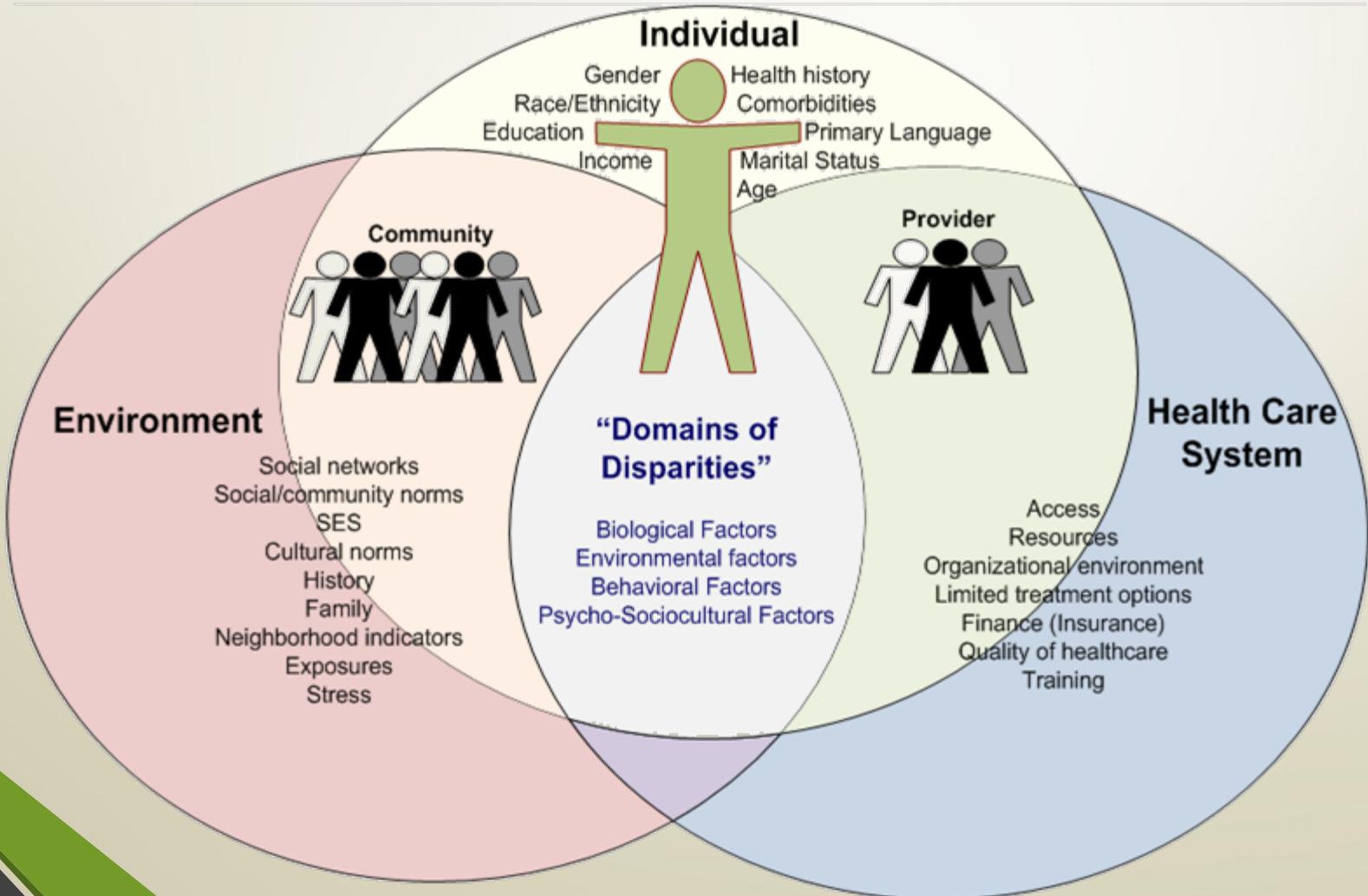
- Establish the science of health disparities and Train a workforce in these methodologies
- Support infrastructure development to build institutional capacity
- Improve strategies for data management by developing a common taxonomy



# Health Determinants

New Strategy: Multi-disciplinary systems approach across life span that examines the contributing role of **health determinants** to health disparities in various population groups

# Health Disparities: Complex & Interactive Domains thru Life Course



# Proposed Health Determinant Domains

## Individual Factors

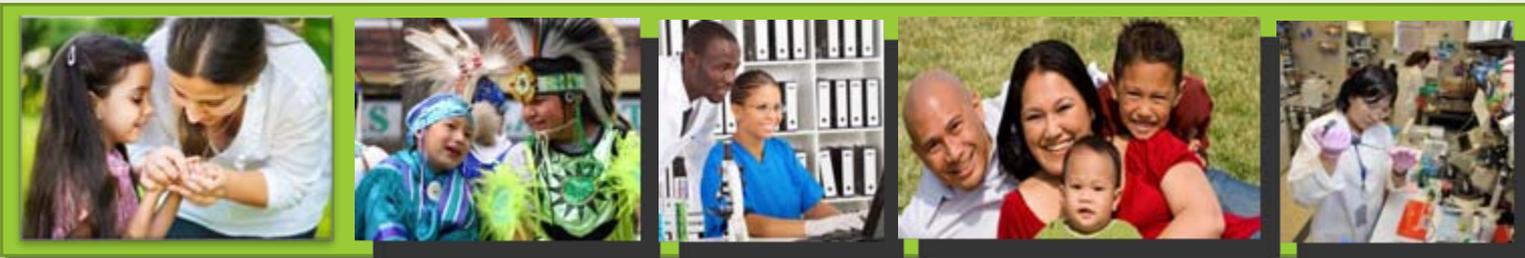
- **Biology**
- **Behavior**
- **Resiliency/ Protective**
- **Quality of Life Conditions**

## Social and Environmental Determinants

- **Social Influence and Resources**
- **Environmental conditions and toxins**

## Institutional Systems Practices & Policies

- **Health care systems**
- **Research systems**

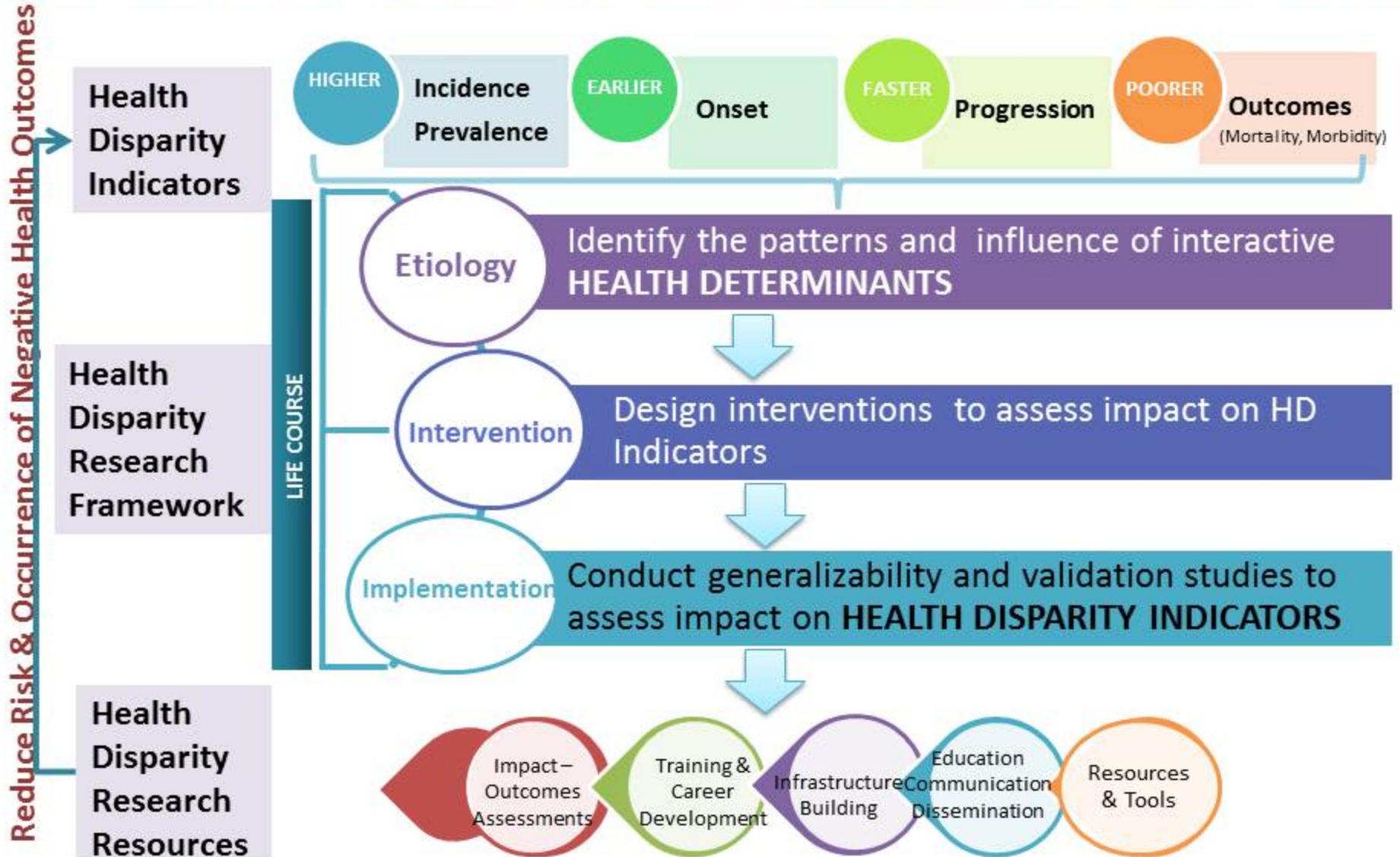


# Science Visioning for Planning

- NIH Minority Health and Health Disparities Strategic Plan
- NIMHD Strategic Plan

# A Model for Health Disparities Research:

## Multi-disciplinary Systems Approach Across Development/Life Course



\*Health Disparity Methodologies and Metrics

# Pillars for the Science

## Visioning

- **Etiology of Health Disparities; Pathways, Mechanisms and Models**
- **Measurement and Analytic Approaches**
- **Intervention Science: efficacy**
- **Implementation Science: effectiveness**

## Criteria for Selecting Scientific Research Areas

- **Scientific Importance**
- **Innovation and Leverage**
- **Collaborative Effort**
- **Translational Impact**

# Strategic Planning Input

- RFI “Soliciting Input into the NIH Science Vision for Health Disparities Research” (April –July 2015)
- Working Group for each Scientific Area (June 2015– Feb 2016)
- Consensus Meeting (Spring 2016)

RFI Notice Number: NOT-MD-15-006

Online at: <http://grants.nih.gov/grants/guide/notice-files/NOT-MD-15-006.html>

## Timeline

- **NIH Strategic Plan – Completed December 2015**
- **NIH Minority Health and Health Disparities Strategic Plan – Expected Fall 2016**
- **NIMHD Strategic Plan – Expected Winter 2016**

# NIMHD Current AI/AN Program Highlights

## **Collaborative Research Center for American Indian Health**

- Tribal communities and health researchers focused on the social determinants of health in South Dakota, North Dakota, and Minnesota.

## **Indigenous Wellness Research Institute National Center of Excellence**

- Trans-disciplinary research partnerships to study behaviorally-rooted health conditions that disproportionately affect American Indian and Alaska Native populations: cardiovascular disease, obesity, diabetes, HIV/AIDS, substance use, and mental illness in the historical context.

## **Substance Use and Mental Health Collaborative for Rural American Indian Adolescents**

- Community-based participatory research principles to work with the Spokane Tribe to develop culturally-relevant intervention strategies for rural AI/AN adolescents in Washington State on substance use and mental health in an effort to decrease the risk of suicide. Input from the Tribal Council has been instrumental in formulating the intervention development process.

# NIH Current AI/AN Program Highlights

## **Qungasvik (Toolbox): Prevention of Alcohol/Suicide Risk in Alaska Native Youth**

- This community-based participatory research project employs culturally-based practices and activities to enhance resiliency to alcohol use and suicide in 12-18 year old Yup'ik Alaska Natives. (NIAAA)

## **RISING SUN and the Arctic Council**

- The Reducing the Incidence of Suicide in Indigenous Groups – Strengths United through Networks (RISING SUN) aims to create common metrics for suicide prevention efforts in the Arctic. Partnership with SAMHSA and the CDC.

## **Network for Cancer Control Research among American Indian and Alaska Native Populations**

- The Network strives to increase the number of AI/AN researchers, scientists, and medical students involved in cancer control activities in AI/AN communities (NCI)



## MH & HD Research Resources

Support research resources and tools that enhance health disparities research, such as capacity building (infrastructure building, training, career development), tools, data systems, and communication/dissemination

# Questions-Comments

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