

ADVANCE: Advancing Prevention Research for Health Equity

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National Institutes of Health
Office of Disease Prevention



Office of Disease Prevention
Putting Prevention Research First



NIH Office of Disease Prevention (ODP)



Mission:

Improve public health by increasing the scope, quality, dissemination, and impact of prevention research supported by the NIH.

Provide leadership for the development, coordination, and implementation of prevention research in collaboration with NIH Institutes and Centers and other partners.

NIH Organizational Chart

NIH Office of the Director

Division of Program Coordination, Planning, and Strategic Initiatives (DPCPSI)

Office of
AIDS Research

Office of Research
on Women's Health

**Office of Disease
Prevention**

Office of Behavioral
and Social Sciences
Research

Office of Strategic
Coordination

Office of Research
Infrastructure
Programs

Sexual & Gender
Minority Research
Office

Tribal Health
Research Office

Office of
Data Science
Strategy

Office of Dietary
Supplements

Office of
Portfolio Analysis

Office of Evaluation,
Performance, and
Reporting

Office of
Administrative
Management and
Communications

Office of Nutrition
Research

ODP Strategic Plan FY 2019–2023

Six strategic priorities and three cross-cutting themes guide the activities of the Office.



In 2021, the ODP elevated its commitment to health equity.

A new team is focusing on strengthening research to reduce health disparities through disease prevention, including

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NIH Portfolio Analysis FY 2012–2019: Summary

- Support for **new prevention research** was **stable** over the last eight years.
- Support for new projects that address the **leading risk factors for death or disability** in the United States was **unchanged**.

<1 in 3

prevention projects in the FY19 NH prevention research portfolio measured **one of the leading risk factors** identified by the Global Burden of Disease project

<1 in 9

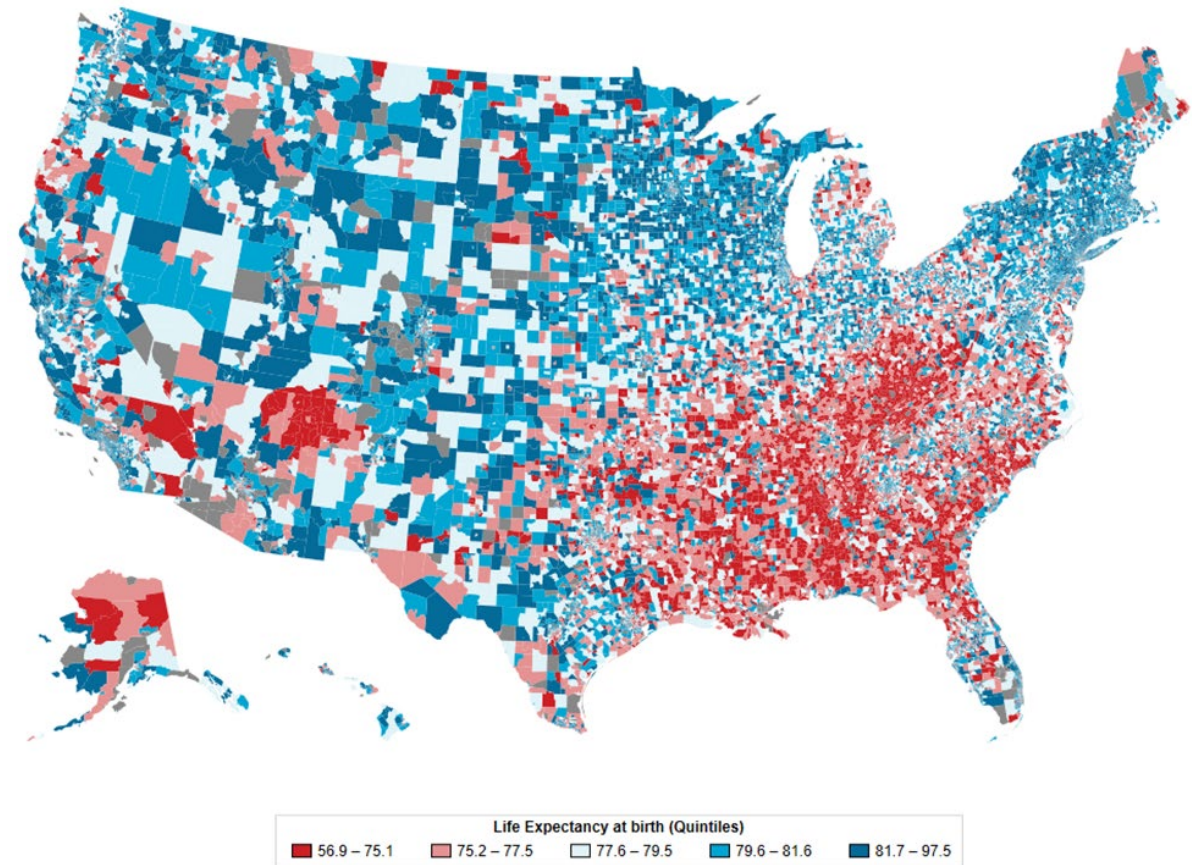
included a **randomized intervention** to address a **leading risk factor**

<1 in 19

used an **intervention** to address a **leading risk factor** in **health disparity populations** (racial/ethnic minorities, low socioeconomic status, underserved rural, sexual and gender minorities)

NIH Portfolio Analysis FY2012-19: Context

- The leading risk factors for death and disability account for 74% of variability in county-level life expectancy.
- Associations among socioeconomic status, race/ethnicity, and life expectancy are largely mediated through these risk factors ([Dwyer-Lindgren et al. JAMA Int Med 2017](#)).
- Social and structural determinants are significant contributors to these risk factors.



Source: CDC

Leading Risk Factors and Causes of Death

2019 Risk Factors (Global Burden of Disease)	2020 Causes of Death (CDC)
1. Tobacco	1. Heart disease
2. High systolic blood pressure	2. Cancer
3. High fasting plasma glucose	3. COVID-19
4. Dietary risks	4. Accidents
5. High body mass index	5. Stroke
6. High LDL cholesterol	6. Chronic lower respiratory diseases
7. Kidney dysfunction	7. Alzheimer’s disease
8. Alcohol misuse	8. Diabetes
9. Non-optimal temperature	9. Influenza and pneumonia
10. Drug misuse	10. Kidney disease
11. Occupational risks	11. Suicide
12. Air pollution	NOTE: Homicide is a leading cause of death in men in many health disparity populations
13. Low physical activity	

Source: 2019 leading risk factors for death in the U.S.: <https://vizhub.healthdata.org/gbd-compare/>
 2020 leading causes of death in the U.S.: <https://www.cdc.gov/nchs/fastats/leading-causes-of-death.htm>

ADVANCE: Advancing Prevention Research for Health Equity

- Objective: Launch a trans-NIH effort to develop and test (1) new interventions and (2) new strategies to disseminate existing interventions that address the leading risk factors for death and disability in health disparity populations.
- There is broad support for developing more intervention and implementation research to address health disparities across NIH leadership and Institutes, Centers, and Offices (ICOs).
- This effort will be driven and supported by participating ICOs and coordinated by the ODP.



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