



# Updates and Insights from the “*Raising the Bar*” Data Analysis

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44<sup>th</sup> Meeting of the NIH Advisory Committee on Research on Women’s Health

September 13, 2017

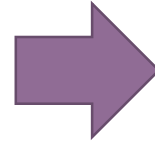
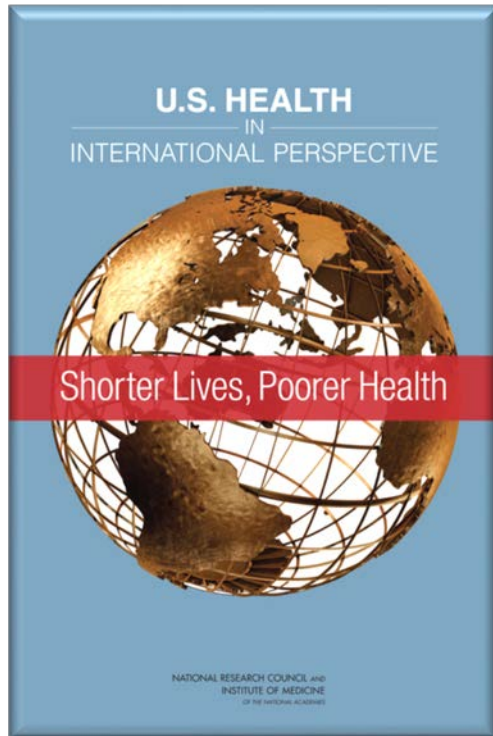


**National Institutes of Health**  
*Office of Research on Women’s Health*

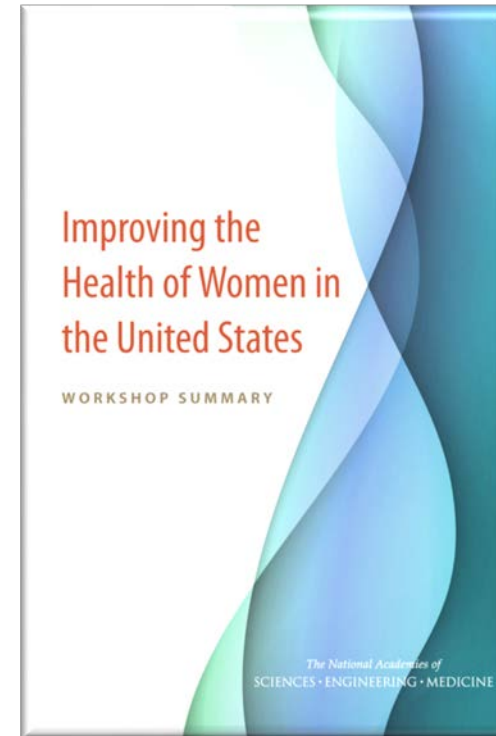
[orwh.od.nih.gov](http://orwh.od.nih.gov) | #SABV | @NIH\_ORWH

# Background

## Shorter Lives, Poorer Health (2013): U.S. Health in International Perspective



## *Raising the Bar* Workshop (2015): Improving the Health of Women in the U.S.





# *“Raising the Bar”*

## Workshop Themes

- Need for high quality, sex-disaggregated data to understand women’s health
- Social context: demographics, SES, policy, and healthcare matter
- Interdisciplinary research needed to fill knowledge gaps
  - Biomedical and epidemiologic research methods
  - Integrated approach: Life course assessment

# Women's Health across the Life Course

## External Factors

Examples include socio-demographic characteristics, SES, and health policies

- Women's health in context

Pre-conception

Childhood

Adolescence

Adulthood

*Young Adulthood*

*Mid-Age*

*Old Age*

## Internal Factors

Sex influences at molecular, cellular, tissue, and organ levels

- Women's health in biological perspective

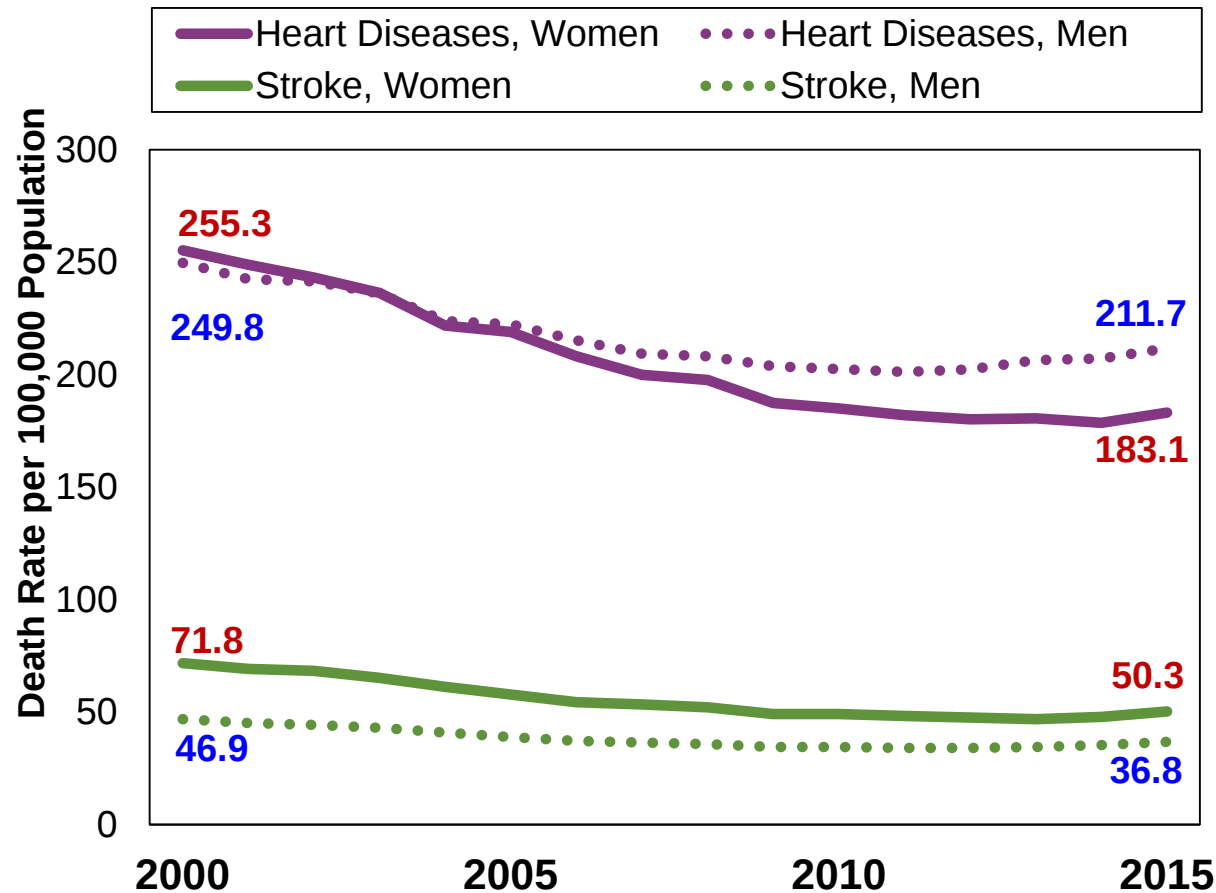


# ORWH Data Assessment of U.S. Population Health: Descriptive Analysis

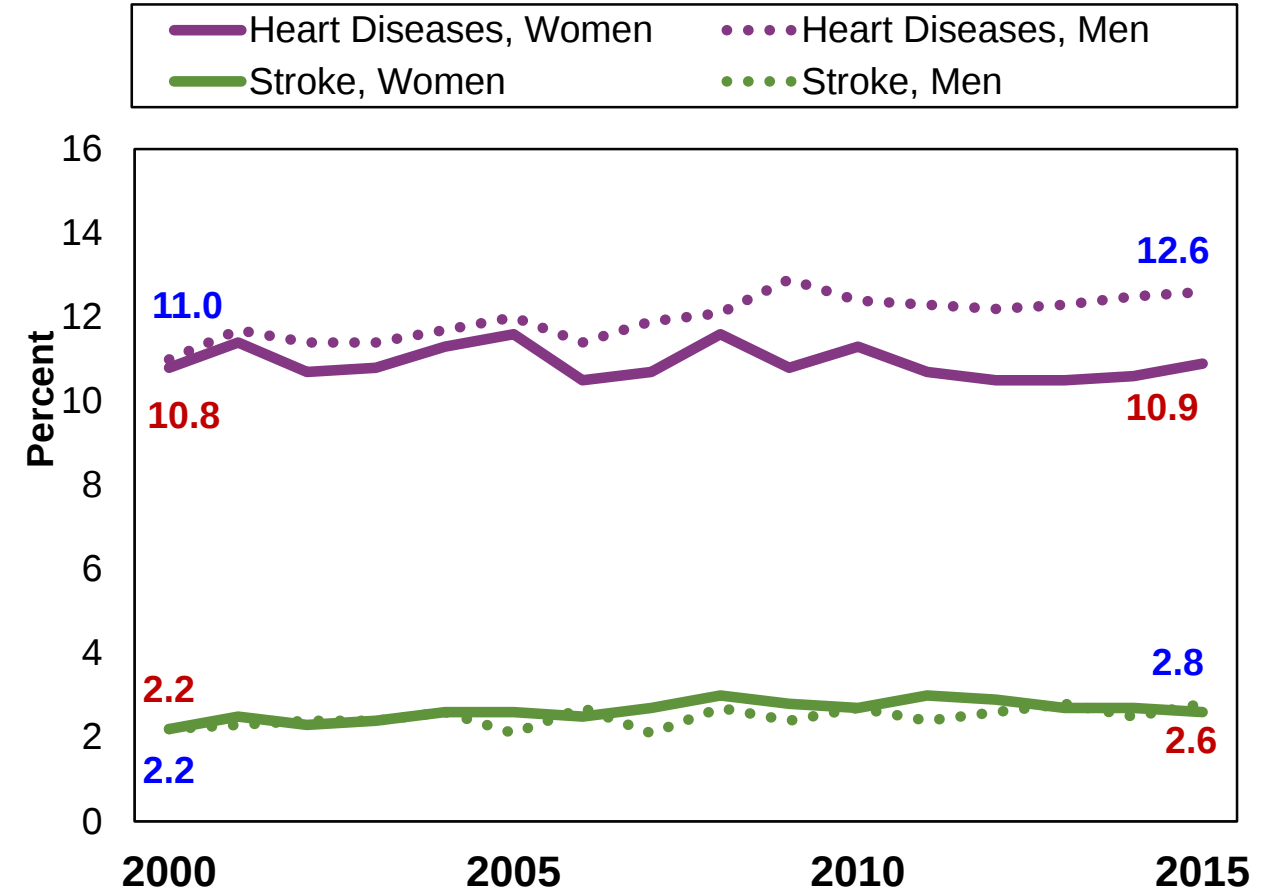
- **Mortality trends:**
  - Data sources: CDC “Multiple Causes of Deaths”, and U.S. Census Population Counts, 2000 to 2015
  - For all-cause and 21 selected causes of death, compute death rates per 100,000 population by sex, age, race, and ethnicity
- **Disease prevalence trends:**
  - Data source: “IPUMS Health Survey”, harmonized microdata of the CDC “National Health Interview Survey” (NHIS), 2000 to 2015
  - For 15 selected health conditions, compute disease prevalence rates by sex, age, race, and ethnicity

# Cardiovascular Diseases: Death Rates and Prevalence by Sex

Heart Disease and Stroke **Death Rates**  
by Sex, 2000-2015



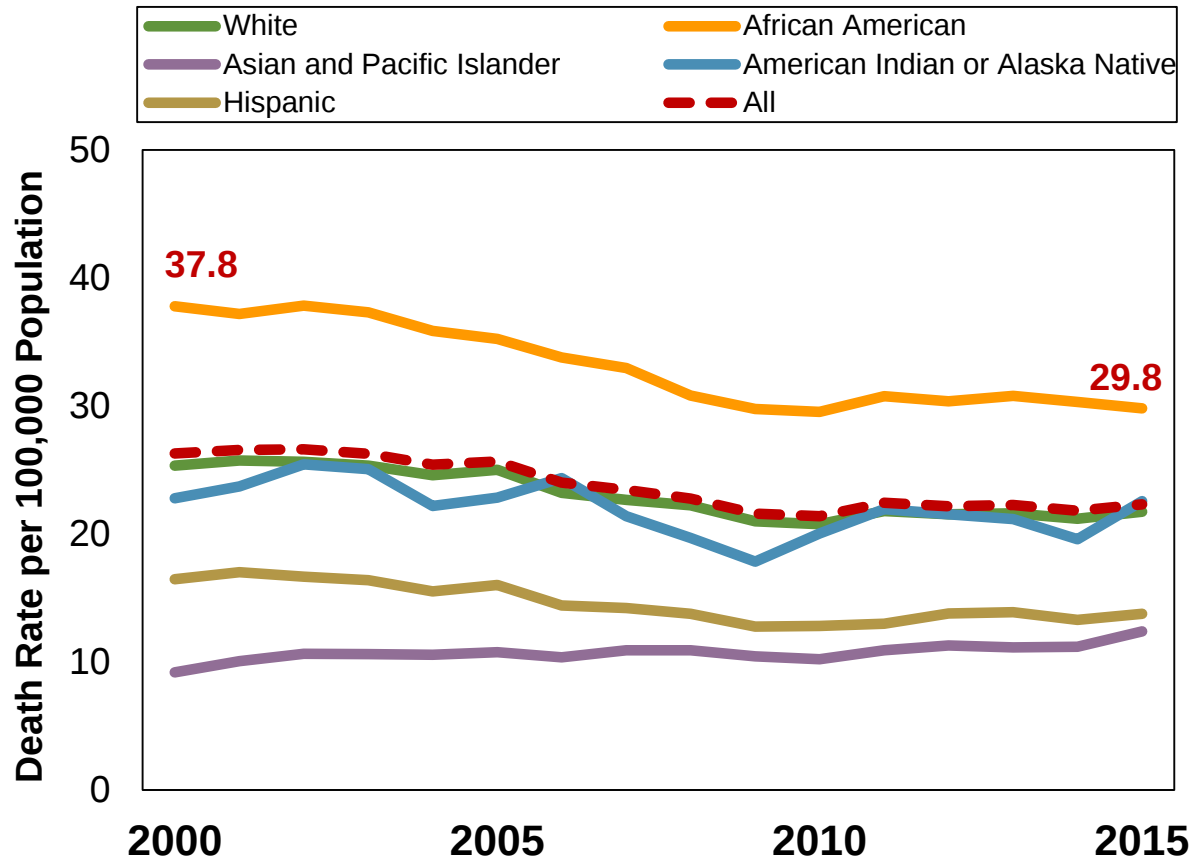
Heart Disease and Stroke **Prevalence Rates**  
by Sex, 2000-2015



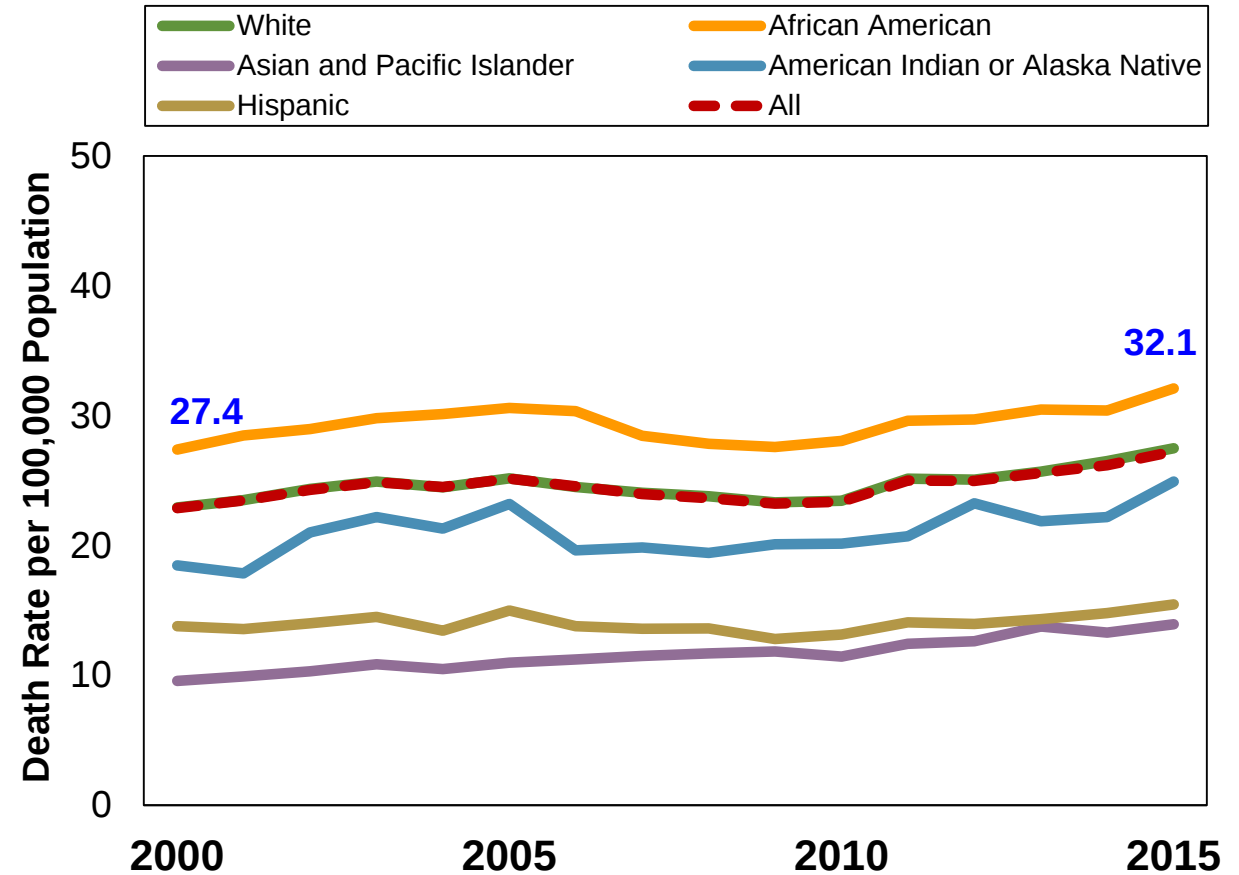
# Diabetes:

## Death Rates by Sex, Race, and Ethnicity

### Women

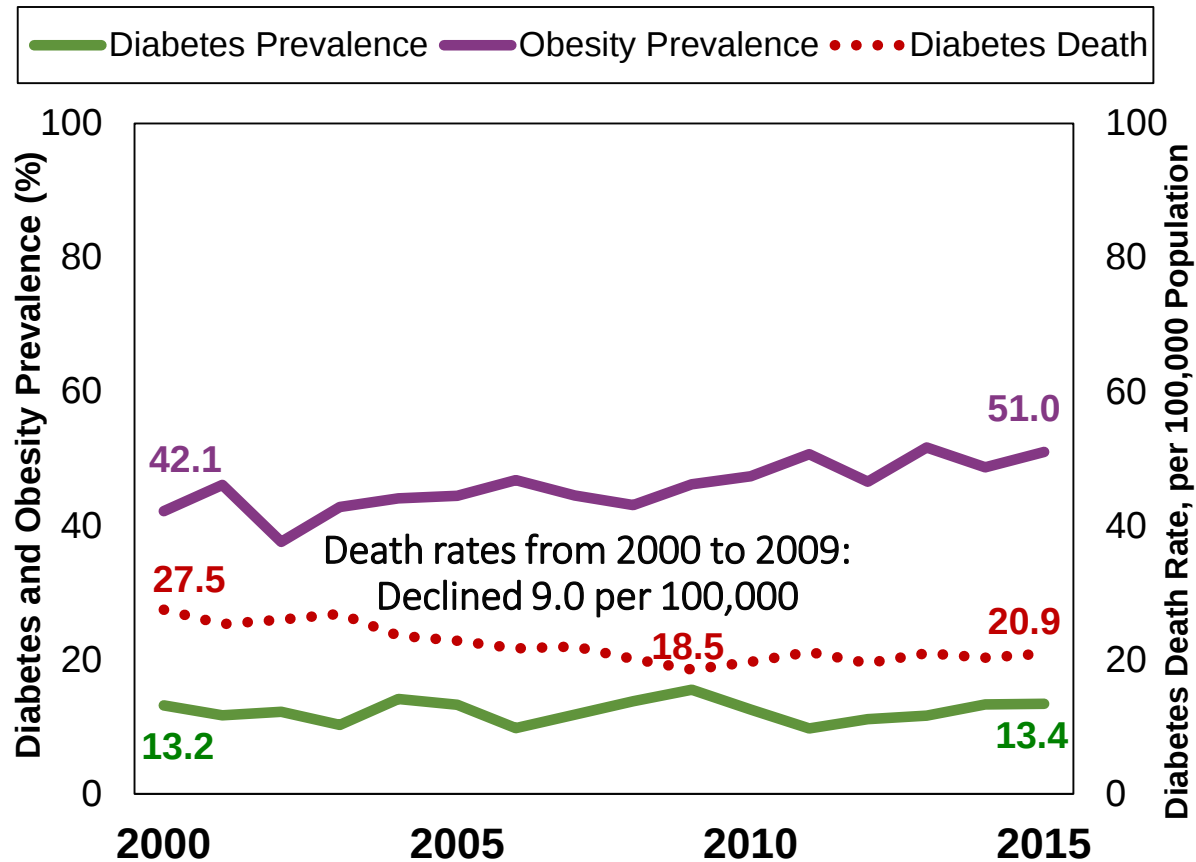


### Men

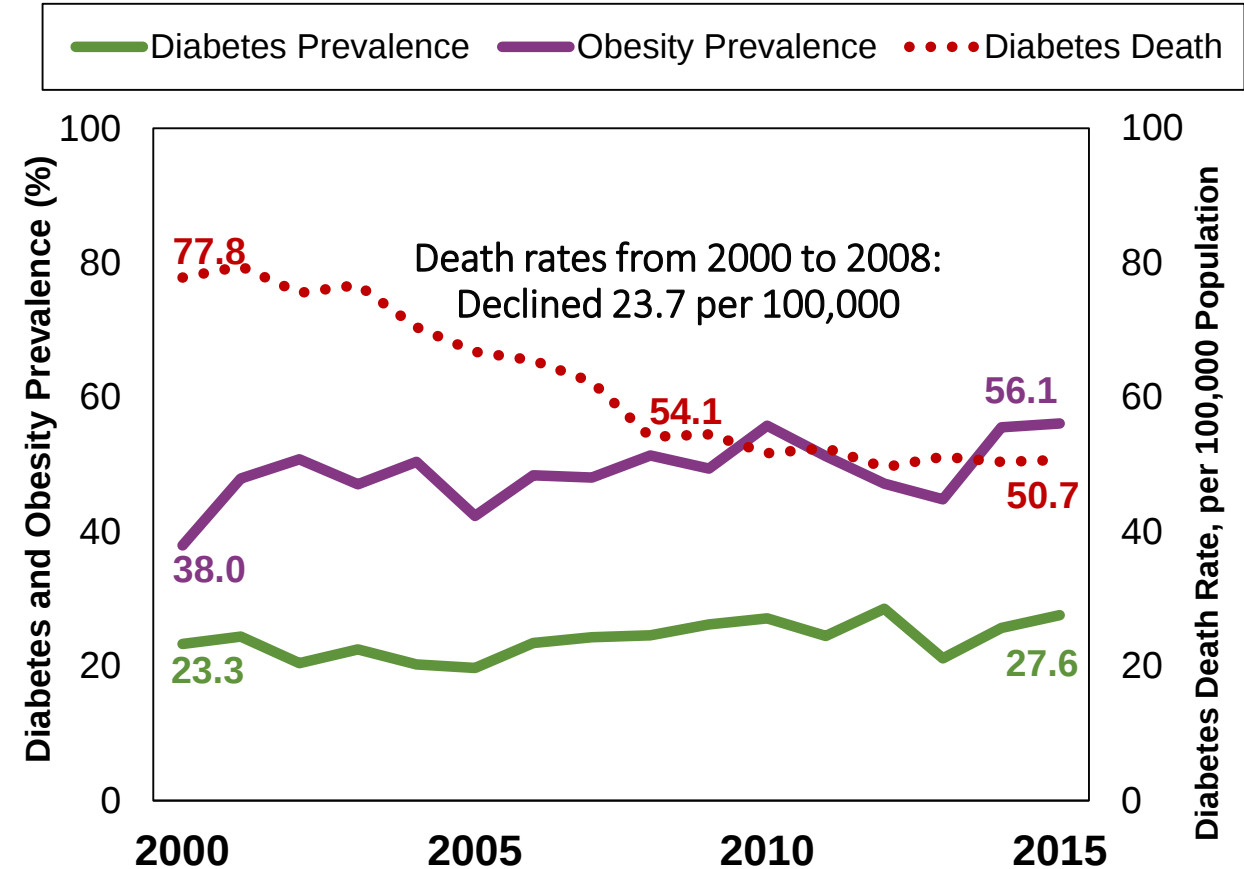


# Diabetes and Obesity: Mid-Aged African American Women

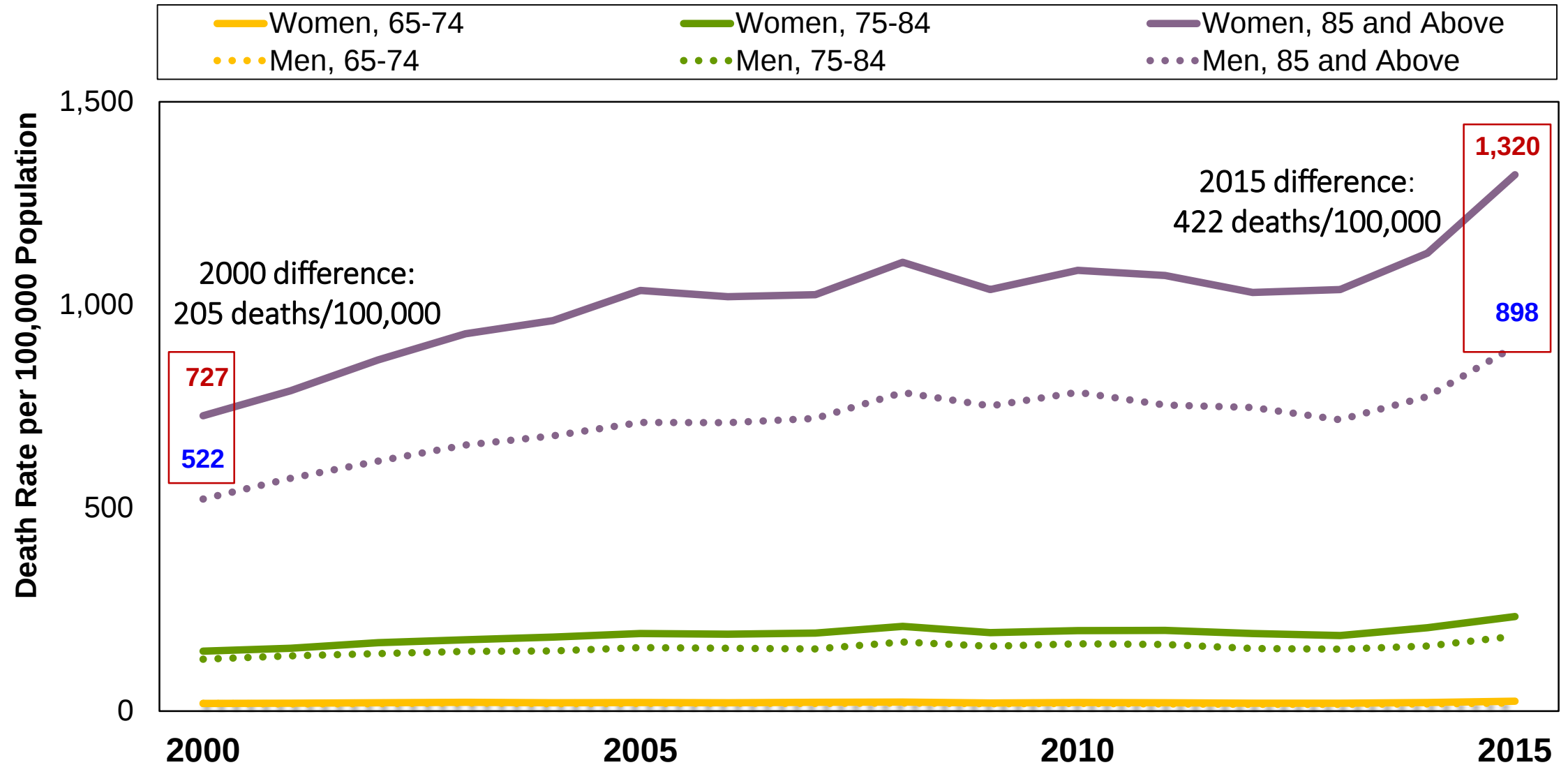
Aged 45 to 54



Aged 55 to 64

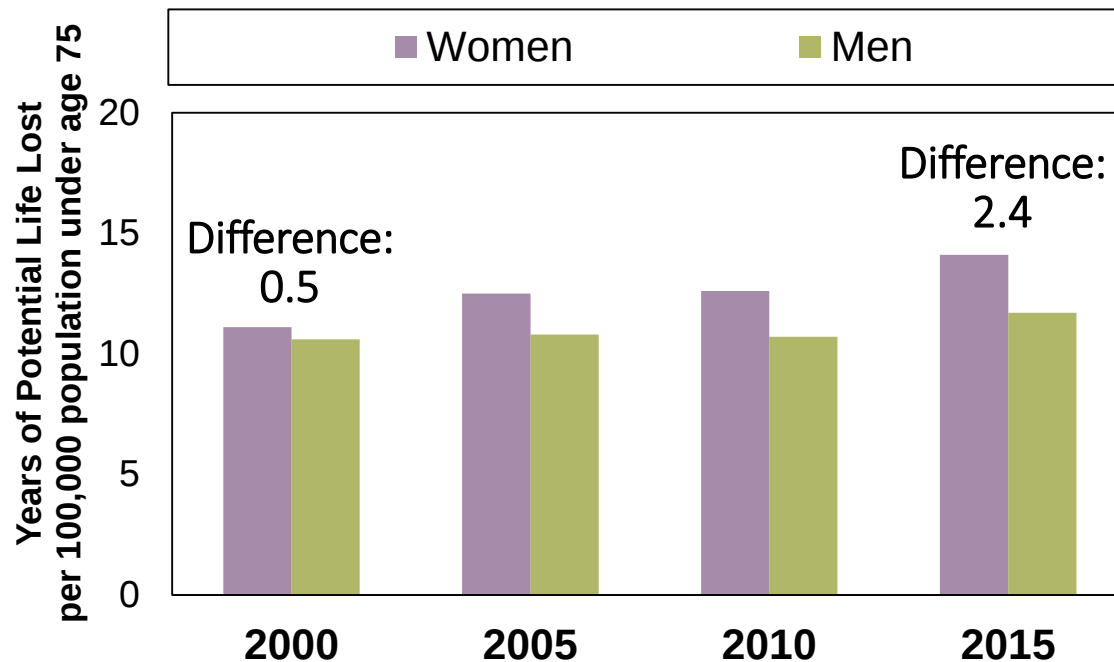


# Death Rates of Alzheimer's Disease by Sex: Population Aged 65 and Above



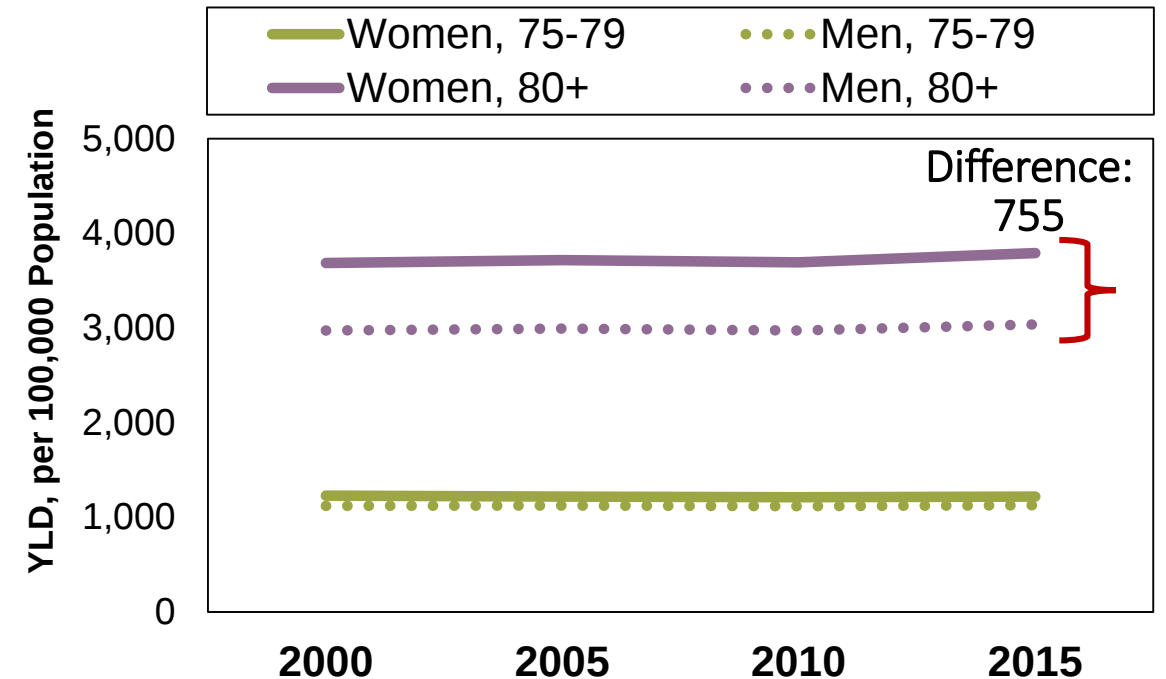
# Alzheimer's Disease: Disease Burden by Sex

Years of Potential Life Lost  
before Age 75



Source: CDC "Health, United States 2016". Table 18: Years of potential life lost before age 75 for selected causes of death, by sex, race, and Hispanic origin: United States, selected years 1980-2015. Age-adjusted statistics reflects years lost before age 75, per 100,000 population under age 75.

Years Lived with Disability



Source: Burden of Disease Study 2015 (GBD, 2015). Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2016. Available from <http://ghdx.healthdata.org/gbd-results-tool>.



# Conclusion and Discussion

- Brief summary and implications
  - A small part of our analytical results are presented today
- Next steps: Use data-driven methods to illuminate women's health issues.
  - Utilize a sex *and* gender perspective
  - Incorporate life course approach
  - Include biomedical and clinical inputs



*Thank You Very Much!*

Comments?

