Updates and Insights from the "Raising the Bar" Data Analysis

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Background





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"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



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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



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Diabetes: Death Rates by Sex, Race, and Ethnicity

Women

Men



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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



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Alzheimer's Disease: Disease Burden by Sex

Years of Potential Life Lost before Age 75





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-resultstool.

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.

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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





Comments?



Health

