



Preventing and Controlling Chronic Disease in Wisconsin

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Presentation Outline

- Impact of Chronic Disease
- Population Health Approach
- Keys to Success
- Strategies for Improvement



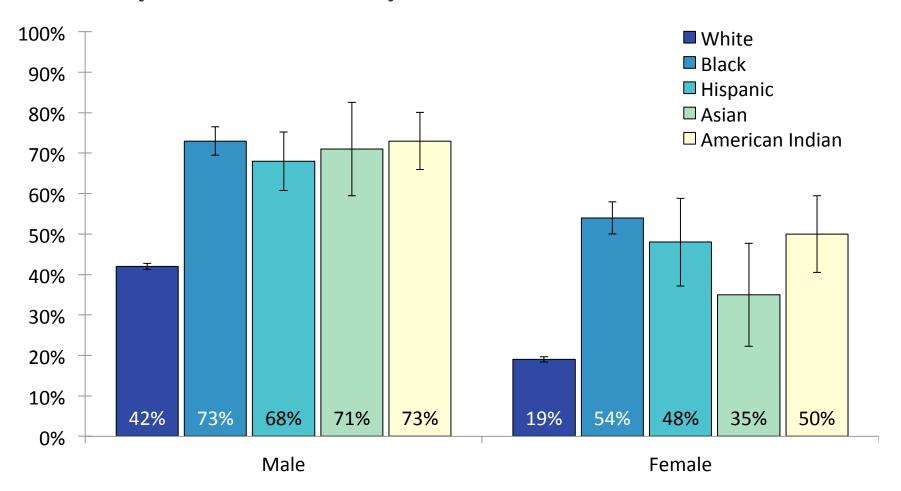
Chronic Disease

- Chronic diseases are illnesses that persist for a long time or last at least three months. Chronic diseases are rarely cured and often are progressive, resulting in disability later in life.
- Chronic diseases, such as heart disease, stroke, cancer, diabetes, asthma and arthritis, are among the most common and costly of all health problems in the United States; however, they are also among the most preventable.
- Four modifiable health risk behaviors are responsible for much of the illness, suffering and early death related to chronic diseases: (1) unhealthy diet, (2) insufficient physical activity, (3) tobacco use and secondhand smoke exposure, and (4) excessive alcohol consumption.





Percentage of coronary heart disease deaths under the age of 75, by race and ethnicity and sex, Wisconsin, 2006–2010



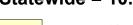
Source: Wisconsin Interactive Statistics on Health (WISH), Wisconsin resident death certificates.

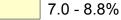


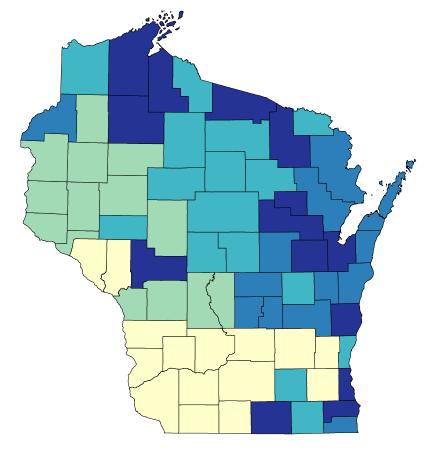


Estimated prevalence of diabetes among Wisconsin adults, age-adjusted percentage, by county, 2008–2010

Estimated prevalence of diabetes Statewide = 10.1%



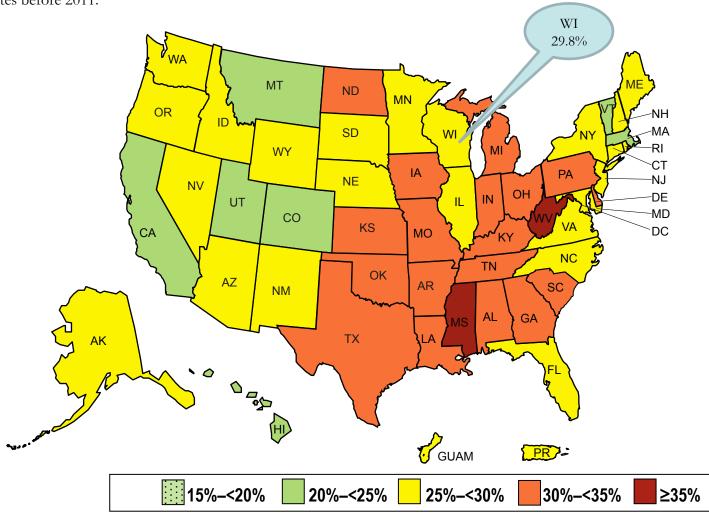




Source: Wisconsin Department of Health Services, Division of Public Health, Wisconsin Diabetes Prevention and Control Program, The 2011 Burden of Diabetes in Wisconsin.

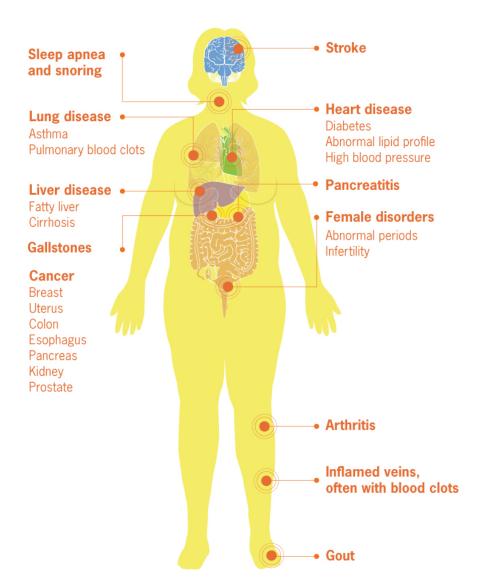
Prevalence* of Self-Reported Obesity Among U.S. Adults by State and Territory, Behavioral Risk Factor Surveillance System, 2013

*Prevalence estimates reflect BRFSS methodological changes started in 2011. These estimates should not be compared to prevalence estimates before 2011.









Medical Complications of Obesity

Source: Adapted from Yale University Rudd Center for Food Policy and Obesity

http://www.cdc.gov/vitalsigns/adultobesity/

Chronic Disease Prevention and Control Outcomes

Long-term

Improve prevention and control of hypertension, diabetes, excess weight and obesity.

Short-term

- Promote and reinforce healthful behaviors and practices across the life span and settings.
- Improve quality and delivery of services for hypertension and diabetes prevention and management.
- Support lifestyle change programs and self-management and control of diabetes, hypertension and obesity.

Factors that Affect Health

Smallest Impact

Counseling & Education

Clinical Interventions

Long-lasting Protective Interventions

Changing the Context to make individuals' default decisions healthy

Socioeconomic Factors

Examples

Eat healthy, be physically active

Rx for high blood pressure, high cholesterol, diabetes

Immunizations, brief intervention, cessation treatment, colonoscopy

Fluoridation, 0g trans fat, iodization, smokefree laws, tobacco tax

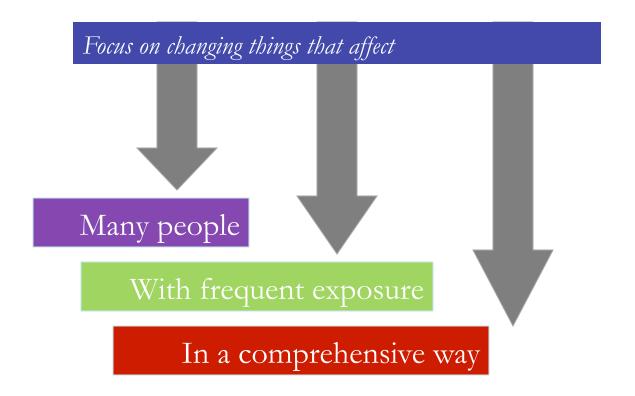
Poverty, education, housing, inequality



Largest Impact

Maximizing Public Health Impact

Impact = Reach X Exposure X Potency







Keys to Success

- Innovation
- Technical Package
- Managing Performance
- Partnerships
- Communication
- Leadership and Commitment
- Stable and Flexible Funding





Adapted from: Frieden, T. Six Components Necessary for Effective Public Health Program Implementation. American Journal of Public Health. November 14, 2013.



Environmental Approaches to Promote Health

Nutrition

Settings: early care and education (ECE), schools,

community, worksites

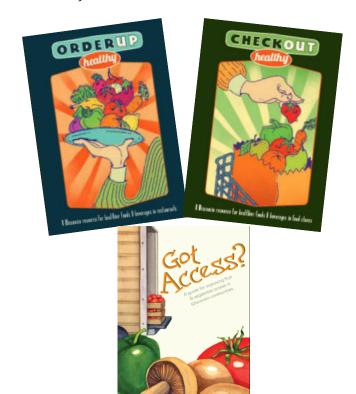
Access to healthy foods and beverages

Corner stores

Farmers' Markets

Food service guidelines, including sodium

Supportive school nutrition environments







Environmental Approaches to Promote Health

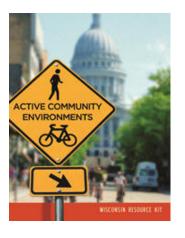
Physical Activity

Settings: ECE, schools, community, worksites

Physical activity access
Active community environments

Physical activity in ECE Active Early





Quality physical education and physical activity in K-12

Active Schools

Comprehensive School Physical Activity Program





Health System Interventions

- Promote reporting of blood pressure and A1c measures and promote clinical innovations
- Increase implementation of quality improvement processes
 - o Electronic health record (EHR) adoption and use of health information technology for hypertension and diabetes
 - Monitoring of standard aggregated measures (provider and system level)
- Increase team-based care in health systems
 - O Engagement of non-physicians (e.g., nurses, pharmacists, patient navigators) for HTN and diabetes management
 - o Increase use of self-measured blood pressure tied with clinical
 - o support

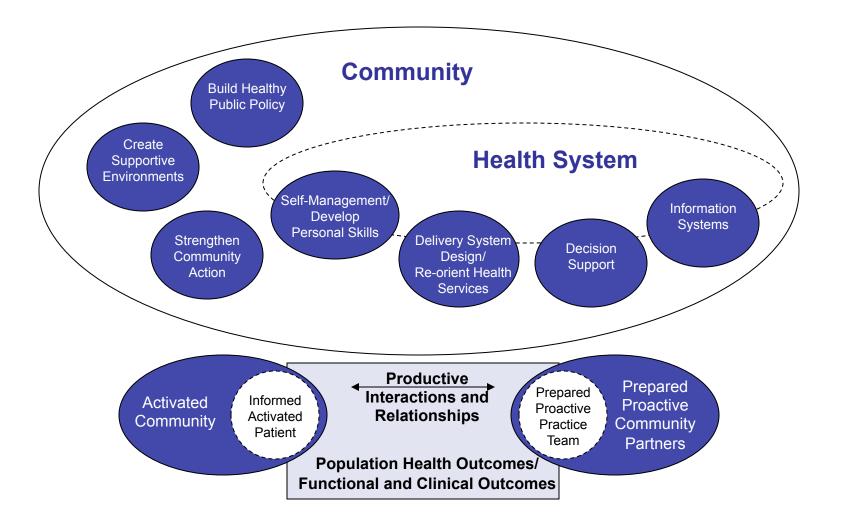




Community-Clinical Linkages

- Promote awareness of high blood pressure and prediabetes
- Promote **participation** in Diabetes Self-Management Education (DSME)
 - o Access, referrals, reimbursement
- Increase utilization of lifestyle programs and chronic disease self-management program in the community
- Increase engagement of community health workers
- Meeting the care needs of students with chronic conditions

Expanded Chronic Care Model







Questions

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Visit our website: http://www.dhs.wisconsin.gov/health/Chronic-Disease/index.htm