Chronic Disease Prevention and Control

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National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP) Centers for Disease Control and Prevention (CDC) www.cdc.gov/chronicdisease



Chronic Diseases

- □ Responsible for 7 of every 10 U.S. deaths¹
- □ Afflict 141 million Americans, living with 1+ chronic conditions²
- Cause major limitations in daily living for ~1 of 10 Americans³
- Account for 75%+ of annual U.S. medical care costs³: \$2.5 trillion⁴
- Are largely preventable

1Kung HC, Hoyert DL, Xu JQ, Murphy SL. Deaths: final data for 2005. National Vital Statistics Reports 2008;56(10).

2 Wu SY, Green A. projection of chronic illness prevalence and cost inflation, Santa Monica, CA: RAND Health: 2000

3 Anderson G. Chronic conditions: making the case for ongoing care. Baltimore, MD: John Hopkins University; 2010.

4 CMS. National Health Expenditures 2010. Available at: http://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/NationalHealthExpendData/NationalHealthAccountsProjectech.html



Primary Risk Factors: tobacco, diet, physical inactivity

Cause, exacerbate or negatively impact:

- □ Heart disease
- □ Stroke
- □ Cancer
 - Lung
 - Oral/pharyngeal
 - Colon
 - Breast
- □ Type 2 Diabetes
- □ Obesity
- □ Chronic Kidney Disease

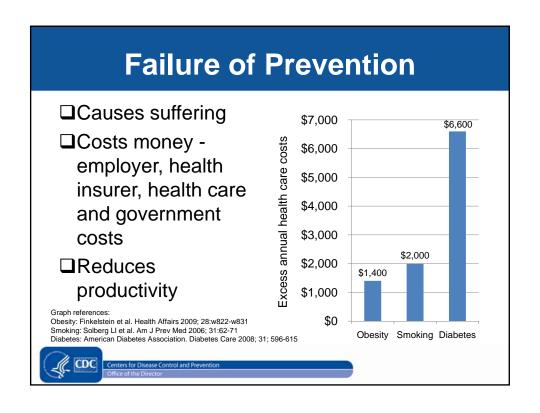
- Osteoarthritis
- Poor reproductive outcomes
 - Infertility
 - Low birth weight
 - SIDS
- □ COPD
- Dental caries

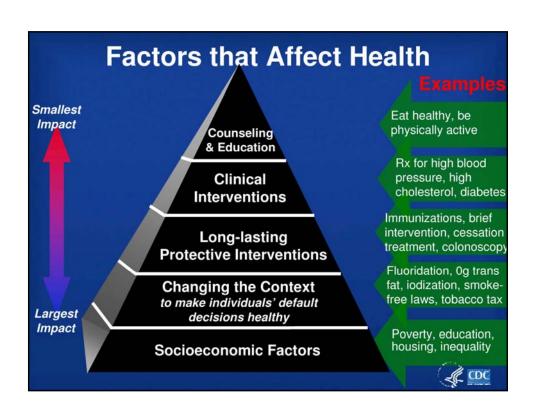


Power of Prevention

- □ Reduces and/or eliminates risk factors
- Mitigates or averts disease progression and complications
- □ Is a best buy for public health
 - Cost effective
 - (Sometimes) cost saving







National Center for Chronic Disease Prevention and Health Promotion

Role:

- □ Provide leadership and technical assistance
- Monitor chronic diseases, conditions and risk factors
- Conduct/translate research and evaluation to enhance prevention
- ☐ Engage in health communication
- ☐ Develop sound public health policies
- Implement prevention strategies

How We Do It:

- □ Epidemiology and surveillance
- ☐ Environmental approaches
- ☐ Health systems interventions
- □ Community-clinical linkages



Public health problems require multilevel, multi-sectoral strategies

- □Increasing opportunities for health requires
 - National, state and local approaches
 - Engagement of sectors beyond health: transportation, agriculture, housing, education, planning and economic development, others
 - Maximizing resources and impact by focusing on underlying risk factors and common strategies that address multiple chronic diseases simultaneously

