

# Promoting a Longer Life Expectancy with a Better Quality of Life: Baby Boomers and Chronic Diseases

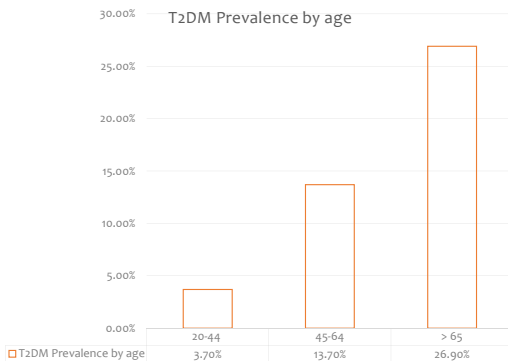
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## Abstract

- More than 60% of Baby Boomers are likely to have at least one chronic disease by 2030<sup>1</sup>
- Among U.S. residents aged 65 years and older, 10.9 million, or 26.9%, had diabetes in 2010 and it is expected to increase to 46 million by 2030<sup>2</sup>

This presentation addresses transitions in strategies for public health programs at the primary, secondary, and tertiary levels to mitigate the effects of Type 2 Diabetes

## Type 2 Diabetes

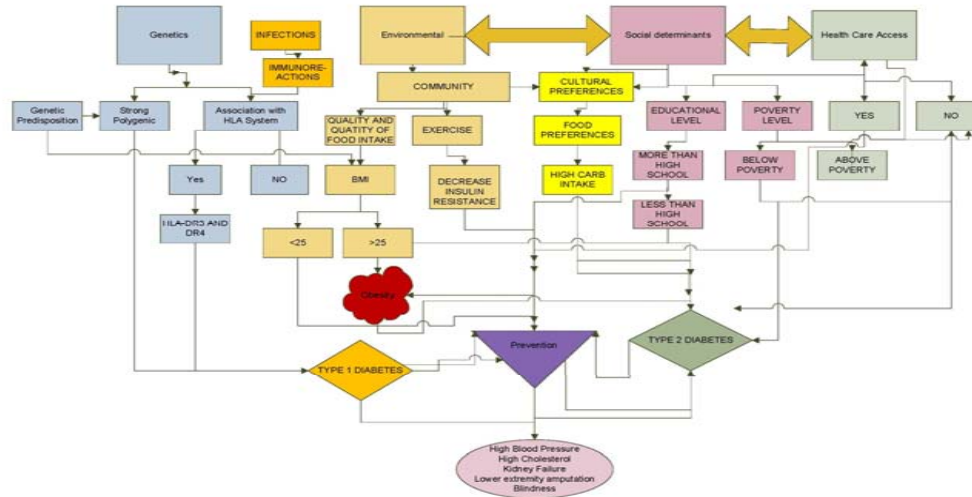


Source: 2005-2008 National Health and Nutrition Examination Survey

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1. When I'm 64, How Boomers Will Change Health Care Report. Available at: <http://www.aha.org/>. Accessibility Verified March 15, 2013
2. Khan R, Ferrannini E, Buse J, and Stern M. "The Metabolic Syndrome: Time for a Critical Appraisal." Diabetes Care 28.9 (2005): 2289-2304.
3. Centers for Disease Control and Prevention. Health Concerns - Diabetes & Me - Diabetes DDT. Available at: <http://www.cdc.gov/diabetes/consumer/problems.htm>
4. Diabetes - Healthy People. (n.d.). Healthy People 2020 - Improving the Health of Americans. Retrieved March 15, 2013, from <http://www.healthypeople.gov/2020/topicsobjectives2020/overview.aspx?topicid=8>
5. Dall, T., Mann, S. E., Zhang, Y., Martin, J., Chen, Y., & Hogan, P. (2008). Economic Costs of Diabetes in the U.S. in 2007. Diabetes Care, 31(3), 596-615.
6. Urbanski, Patti, Anne Wolf, and William H. Herman. "Cost-effectiveness of Diabetes Education." Journal of the American Dietetic Association 8.4 (2008): S6-S11
7. Lemay, Celeste A., Brienne M. Beagan, Warren J. Ferguson, and Lee J. Hargraves. "Lessons Learned From a Collaborative to Improve Care for Patients with Diabetes in 17 Community Health Centers, Massachusetts, 2006." Preventin Chronic Diseases 7.4 (2010): 1-9.
8. Peek, M. E., A. Cargill, and E. S. Huang. "Diabetes Health Disparities: A Systematic Review of Health Care Interventions." Medical Care Research and Review 64.5 Suppl (2007): 1015-1065.
9. Landon, Bruce E., LeRoit S. Hicks, A. James O'Malley, Tracy A. Lieu, Thomas Keegan, Barbara J. McNeil, and Edward Guadagnoli. "Improving the Management of Chronic Disease at Community Health Centers." New England Journal of Medicine 356.9 (2007): 921-34.
10. Strong, Larkin L., Barbara A. Israel, Amy J. Schulz, Angela Reyes, Zachary Rowe, Sheryl S. Weir, and Cecil Poe. "Piloting Interventions Within a Community-Based Participatory Research Framework: Lessons Learned From the Healthy Environments Partnership." Progress in Community Health Partnerships: Research, Education, and Action 3.4 (2009): 327-34.

## Web of Causation



## Diseases associated with Diabetes

. Diabetes has been associated: hypertension, neuropathy, retinopathy, cardiovascular disease, renal failure, amputation, cognitive impairment, Incontinence, fracture risk, cancer risk and prognosis <sup>1,3-4</sup>

## Costs<sup>5-6</sup>

Costs	Year
\$ 3 Billion	1969
\$132 Billion	2002
\$174 Billion	2007

## References:

## Prevention

### Education-Education-Education

#### Clinical Level<sup>7-9</sup>

- Education and Training of Health Care Team to promote self-management and Implementation of Diabetes Standard of Care.
- Case management by nurse and CHW will increase self-management and culture sensitivities approaches.
- Community Linkages- mobilization the resources of the community to meet patients' need.

#### The Chronic Care Model



Developed by The MacCall Institute  
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Applied the Core Model to quality improvement Collaborative on evaluation of them in a primary care practices in north Devon  
<http://www.primarycarequalityimprovementcentre.ac.uk/>

## Community Based Participatory Research<sup>10</sup>

- Creation of partnership and empowerment of communities.

- Build capacity and agency.

Examples:

- ✓ **Balanced Living with Diabetes program** (BLD), delivered in partnership among the Virginia Cooperative Extension, the Virginia Baptist General Convention and the Virginia Department of Health
- ✓ **The Chicago Southeast Diabetes Community Action Coalition** delivered in partnership with a group of community residents, medical and social service providers, and a local university