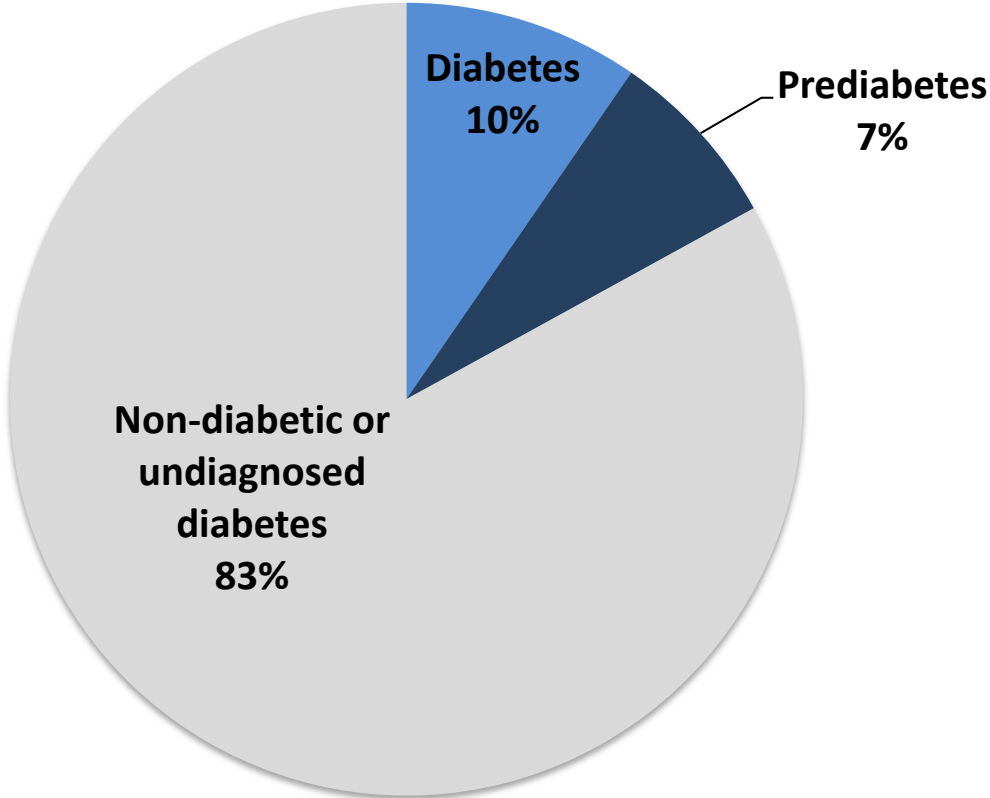


**Home Run Slides:
Prediabetes Prevalence among High-
Risk Groups in Maine**

Updated: 10/18/2017

Prevalence of Prediabetes and Diabetes in Maine

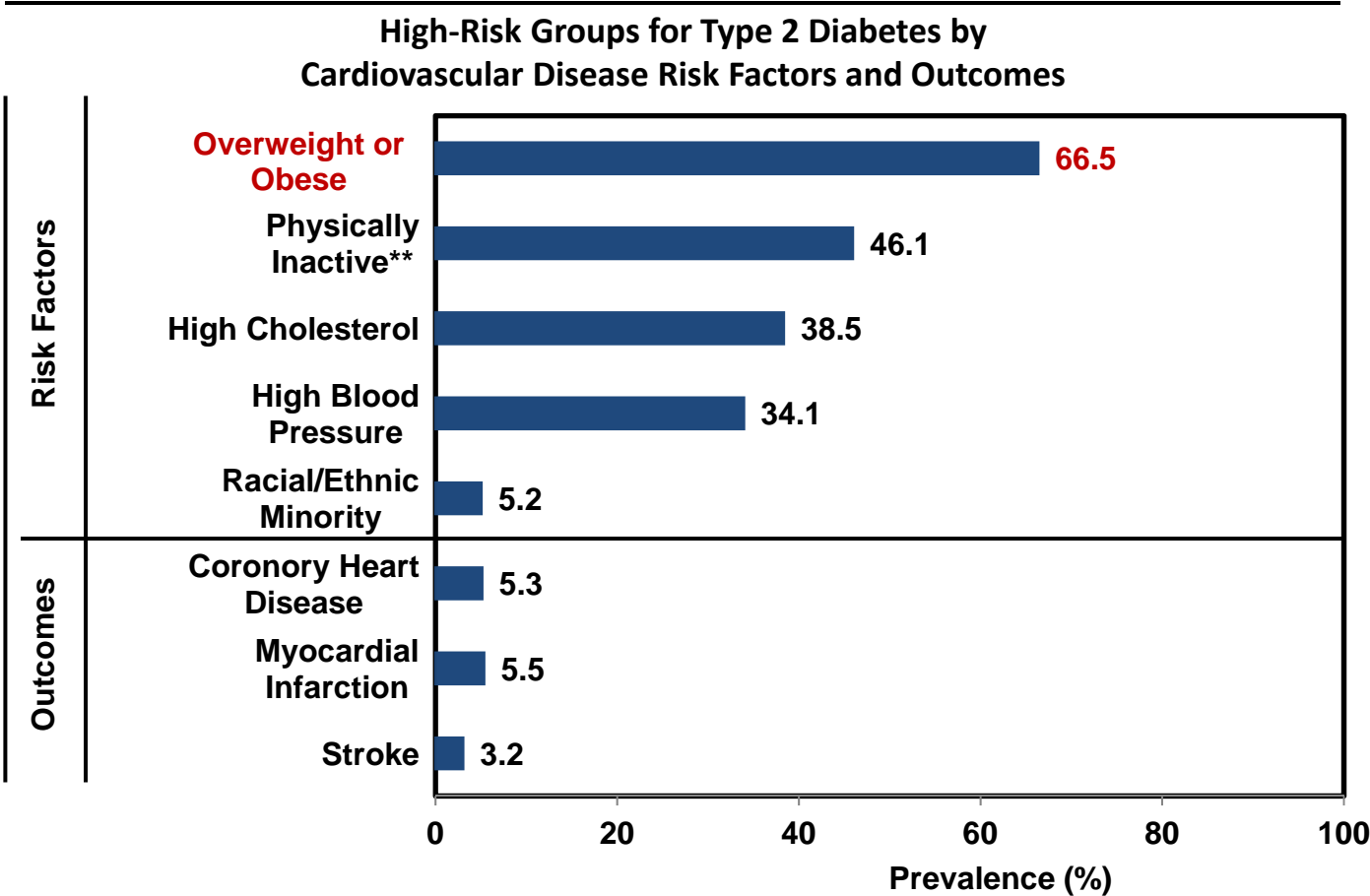


Among Maine adults, 10% reported having been diagnosed with diabetes and 7% reported having been diagnosed with prediabetes.

Though 83% of Mainers are non-diabetic, this percentage includes adults with undiagnosed diabetes or prediabetes.

Source: U.S. Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System (BRFSS), 2015.

Overweight or obese adults are the largest group at high risk for Type 2 diabetes at **66.5% of Maine adults**.*



Source: U.S. Centers for Disease Control and Prevention (CDC), Behavioral Risk Factor Surveillance System (BRFSS), 2015.

*Data based on self-report of selected risk factor or cardiovascular disease outcome on BRFSS.

**Non-adherence to current CDC-recommended aerobic guidelines.

Undiagnosed Diabetes in the U.S

- Nationally, 30.3 million people (9.4% of U.S. population) have diabetes.
- Nearly a quarter (23.8%) of Americans with diabetes remain **undiagnosed**.
- The true diabetes prevalence among Maine adults could be close to 12.5%.
 - We estimate that 101,400 Maine adults have diagnosed diabetes.
 - If 23.8% of all Maine adults with diabetes are undiagnosed, then there are an estimated 31,700 Maine adults with **undiagnosed diabetes**.

Source: U.S. CDC National Center for Chronic Disease Prevention and Health Promotion, Division of Diabetes Translation. National Diabetes Statistics Report, 2017. Available at: <https://www.cdc.gov/diabetes/pdfs/data/statistics/national-diabetes-statistics-report.pdf>

Prevalence of Diagnosed Prediabetes among High-Risk Groups for Type 2 Diabetes

Prevalence of Diagnosed Prediabetes	
High-Risk Group	%
Heart Attack History	15.8
Coronary Heart Disease History	15.6
High Blood Pressure	12.8
High Cholesterol	12.3
Stroke History	11.4
Overweight or obese	10.2
Physically Inactive*	9.5
Racial/Ethnic Minority	5.7

Prevalence of diagnosed prediabetes is highest among Mainers with a prior **cardiovascular disease diagnosis.**

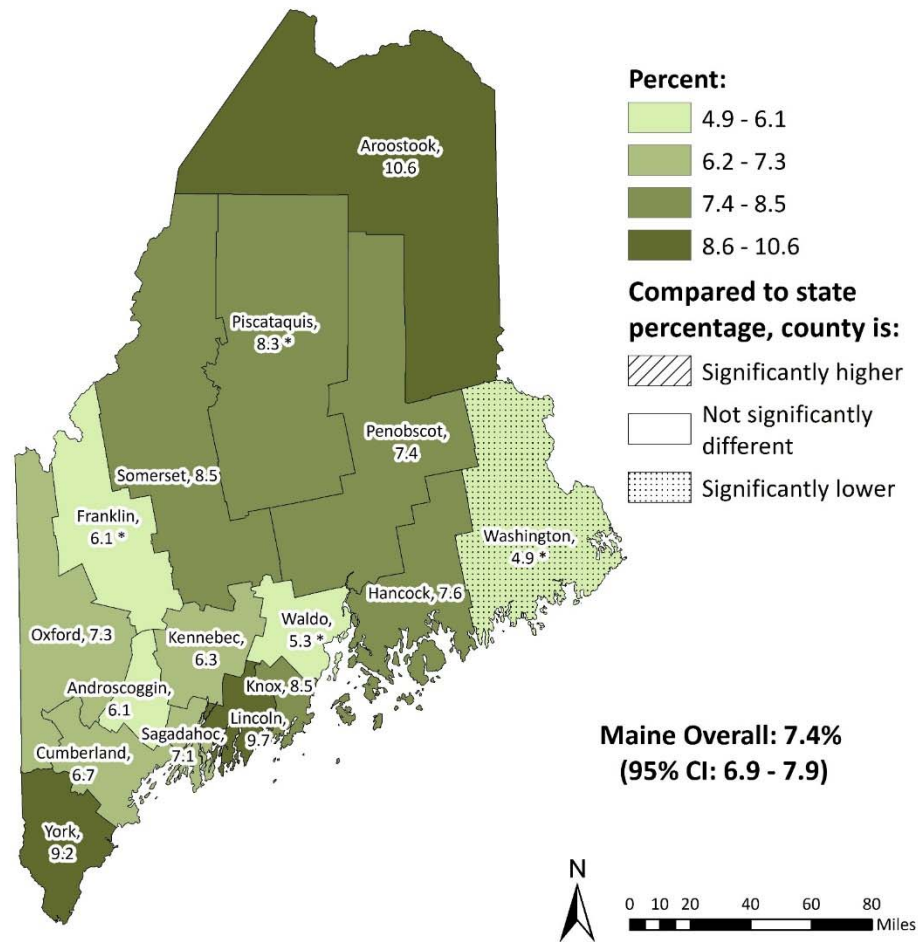
Source: U.S. Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System (BRFSS), Maine 2013 & 2014.

*Data based on self-report of selected risk factor or cardiovascular disease outcome on BRFSS.

All data from 2014, except for high cholesterol, high blood pressure, and physical inactivity which are from 2013.

*Physical inactivity defined by CDC-recommended aerobic guidelines.

Prediabetes Prevalence among Adults, by County, Maine, 2012-2014



Percentage of Maine adults ages 18 and over who reported being told by a doctor or other health care professional that they had prediabetes.

Data source: Maine Behavioral Risk Factor Surveillance System.

*Interpret with caution; based on an unweighted numerator less than 50.

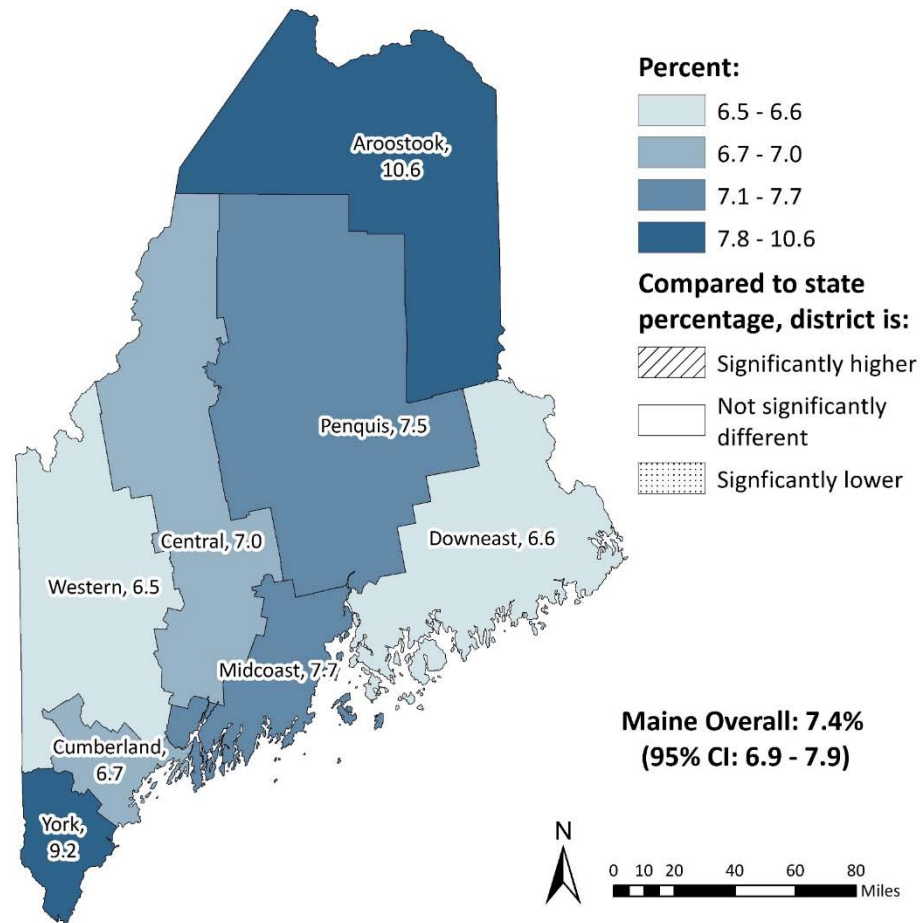
95% CI: 95% confidence interval.

All percentages are weighted to be more representative of the general adult population of Maine and to adjust for non-response.

Prevalence estimates mapped using the quantiles method with four categories.

Map created by Finn Teach, April 2017.

Prediabetes Prevalence among Adults by Public Health District, Maine, 2012-2014



Percentage of Maine adults ages 18 and over who reported being told by a doctor or other health care professional that they had prediabetes.

Data Source: Maine Behavioral Risk Factor Surveillance System.

All percentages are weighted to be more representative of the general adult population of Maine and to adjust for non-response.

95% CI: 95% confidence interval.

Prevalence estimates mapped using the quantiles method with four categories.

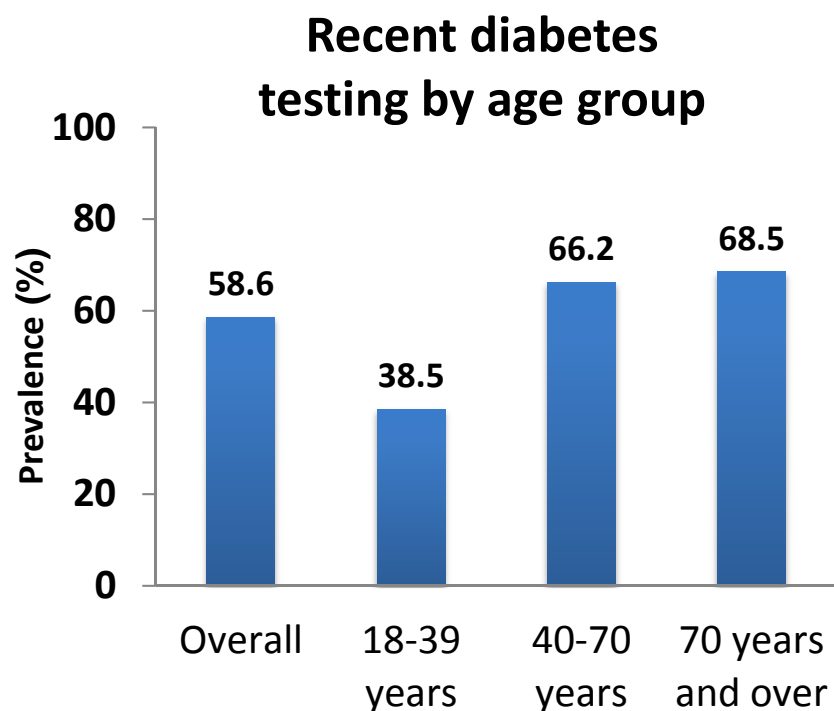
Map created by Finn Teach, May 2017.

Diabetes Testing Guidelines

- The US Preventive Services Task Force (USPSTF) recommends screening for type 2 diabetes in asymptomatic adults aged 40 to 70 years who are overweight or obese.
- Clinicians should consider earlier screening in persons with 1 or more of the following:
 - Family history of diabetes
 - History of gestational diabetes or polycystic ovarian syndrome
 - Members of certain racial/ethnic groups
 - African Americans, American Indians or Alaskan Natives, Asian Americans, Hispanics or Latinos, or Native Hawaiians or Pacific Islanders

Source: October 2015 <https://www.uspreventiveservicestaskforce.org/Page/Document/UpdateSummaryFinal/screening-for-abnormal-blood-glucose-and-type-2-diabetes>

Recent Diabetes Testing among High-Risk Groups



Recent Diabetes Testing by High-Risk Group	
High-Risk Group	% Adults
High Cholesterol	74.0
High Blood Pressure	73.9
Heart Attack History	71.9
Coronary Heart Disease History	71.7
Stroke History	70.6
Overweight or obese	62.9
Physically Inactive**	56.1
Racial/Ethnic Minority	49.5

Recent diabetes testing is **lowest** among overweight or obese, physically inactive, and racial/ethnic minority adults.

Source: U.S. Centers for Disease Control and Prevention (CDC), Behavioral Risk Factor Surveillance System (BRFSS), Maine 2014

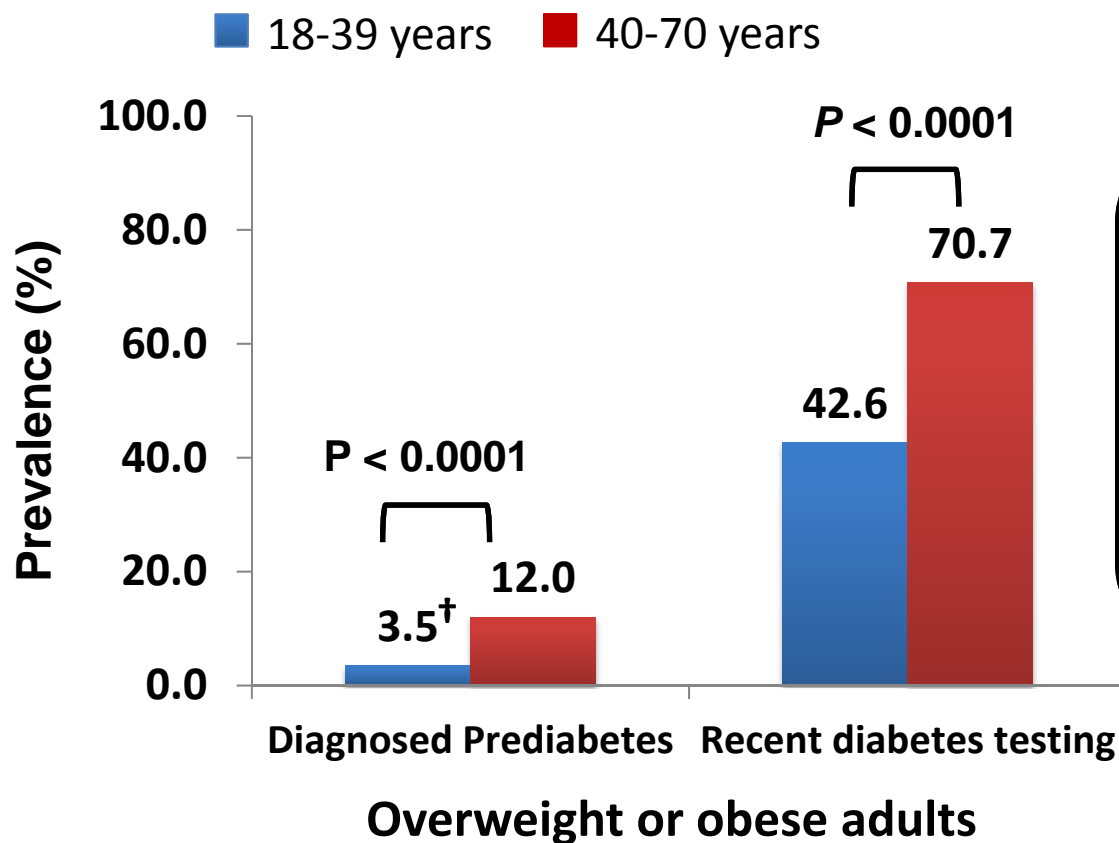
Recent diabetes testing is defined as having a diabetes test within the past three years.

Data for physically inactive, high cholesterol, and high blood pressure was from 2013 BRFSS.

*Data based on self-report of selected risk factor or cardiovascular disease outcome on BRFSS.

**Non-adherence to current CDC-recommended aerobic guidelines.

Should We Target Overweight Young Adults for Diabetes Testing?



For overweight or obese adults

Young adults are **less likely** than older adults to have:

- Diagnosed prediabetes
- Recent diabetes testing (within the past 3 years)

Source: U.S. Centers for Disease Control and Prevention (CDC), Behavioral Risk Factor Surveillance System (BRFSS), Maine 2014

*Data based on self-report of selected risk factor or cardiovascular disease outcome on BRFSS.

†Interpret with caution; based on an unweighted numerator(n) less than 50.