# **BRFSS** Brief

Number 1101

The Behavioral Risk Factor Surveillance System (BRFSS) is an annual statewide telephone survey of adults developed by the Centers for Disease Control and Prevention and administered by the New York State Department of Health. The BRFSS is designed to provide information on behaviors, risk factors, and utilization of preventive services related to the leading causes of chronic and infectious diseases, disability, injury, and death among the noninstitutionalized, civilian population aged 18 years and older.

## **Diabetes**

New York State Adults 2009

## Introduction

Diabetes is a chronic disease in which blood sugar (glucose) levels are above normal. Normally, cells in the body access the energy stored in glucose, a form of sugar created from digestion of food, through a chemical process involving the hormone insulin. In people with diabetes, this process is impaired. In persons with Type 1 diabetes, the pancreas fails to produce insulin, and in those with Type 2 diabetes, the cells of the body become resistant to insulin. Both Type 1 and Type 2 diabetes are characterized by high blood sugar or hyperglycemia.<sup>1</sup>

National data indicate almost 40% of the U.S. population has some type of hyperglycemic condition.<sup>2</sup> Projections based on national trends suggest that 1 in 3 Americans will develop diabetes in their lifetime.,<sup>3</sup> The risk factors for diabetes include both characteristics that cannot be modified, including race, ethnicity, family history and age, and behavioral

and lifestyle characteristics that can be modified, including sedentary behavior, eating habits and the management of other chronic conditions. The New York State Department of Health's Prevention Agenda Toward the Healthiest State established a goal of reducing the prevalence of diagnosed diabetes to 5.7% by 2013.<sup>3</sup>

Diabetes is a major risk factor for other diseases and disabilities, including heart disease, stroke, blindness, kidney failure, lower-extremity amputations, infection, and complications during pregnancy.<sup>4</sup> Medical expenditures for people with diagnosed diabetes are more than double those for people without diabetes.<sup>4</sup> In 2006, the total cost for New Yorkers with diabetes was almost \$12.9 billion, including excess medical costs of approximately \$8.7 billion and lost productivity valued at \$4.2 billion.<sup>5</sup>

## **BRFSS Questions**

## **Diagnosed diabetes**

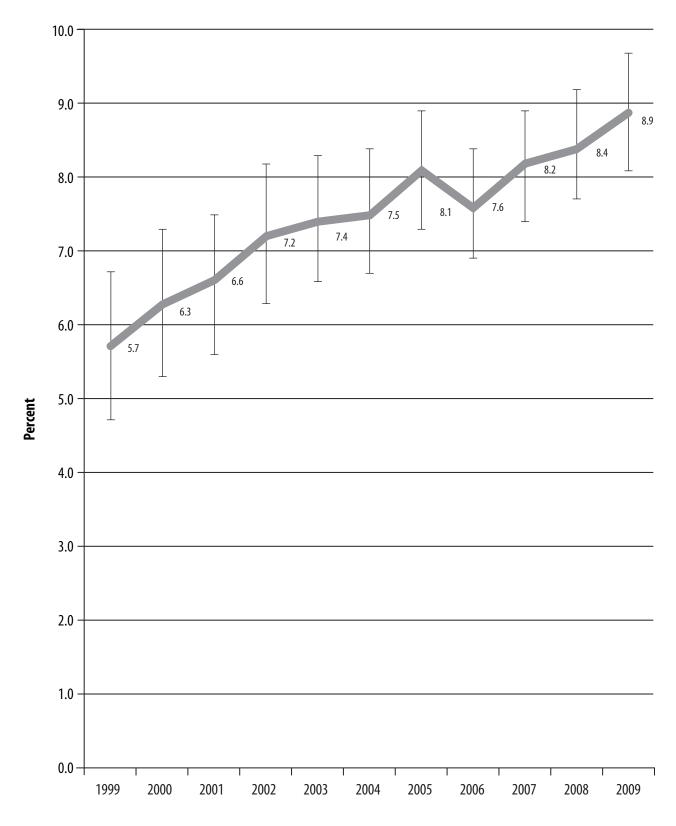
1. Have you ever been told by a doctor that you have diabetes?

[If "yes" and respondent is female, ask:]

2. Was this only when you were pregnant?

Gestational (pregnancy-related) diabetes, pre-diabetes, and borderline diabetes were not counted as diabetes cases in the calculation of prevalence estimates.

# Diabetes a Among New York State Adults, by BRFSS survey year



<sup>\*</sup> Does not include reported gestational diabetes, pre-diabetes, or borderline diabetes. Note: Error bars represent 95% confidence intervals.

## Diabetes <sup>a</sup> Among New York State Adults: 2009 BRFSS

Sex       Male       9.6       8.2-10.9         Female       8.2       7.2-9.2         Age (years)       18-24       0.8       0.0-1.9         25-34       1.4       0.5-2.3         35-44       3.9       2.3-5.6         45-54       8.4       6.4-10.4         55-64       16.7       14.1-19.4         ≥ 65       21.1       18.9-23.3         Race/ethnicity         White non-Hispanic       7.8       7.1-8.6         Black non-Hispanic       14.0       10.7-17.3         Hispanic       8.9       6.4-11.5         Other non-Hispanic       8.9       5.7-12.3         Annual household income       ***       ***         <15,000       16.9       13.0-20.8         \$15,000-\$24,999       14.8       12.0-17.6         \$25,000-\$34,999       9.0       7.0-11.0         \$50,000-\$74,999       9.0       7.0-11.0         \$50,000-\$74,999       9.0       7.0-11.0         \$57,000       4.4       3.3-5.5         Missing*       9.2       7.2-11.2         Educational attainment       ***       12.2       10.4-14.0         Some post-high school		% <sup>b</sup>	95% CI <sup>b</sup>
Male       9.6       8.2-10.9         Female       8.2       7.2-9.2         Age (years)       3.9       0.0-1.9         25-34       1.4       0.5-2.3         35-44       3.9       2.3-5.6         45-54       8.4       6.4-10.4         55-64       16.7       14.1-19.4         ≥ 65       21.1       18.9-23.3         Race/ethnicity         White non-Hispanic       7.8       7.1-8.6         Black non-Hispanic       14.0       10.7-17.3         Hispanic       8.9       6.4-11.5         Other non-Hispanic       8.9       5.7-12.3         Annual household income       **       *\$15,000       16.9       13.0-20.8         \$15,000-\$24,999       14.8       12.0-17.6       \$25,000-\$34,999       10.6       7.2-14.0         \$35,000-\$49,999       9.0       7.0-11.0       \$50,000-\$74,999       5.9       4.0-7.8         \$\$75,000       4.4       3.3-5.5       Missing*       9.2       7.2-11.2         Educational attainment       **       Less than high school       14.5       10.9-18.1         High school or GED       12.2       10.4-14.0       Some post-high school       8.5	New York State (NYS) [n=6,927]	8.9	8.1-9.7
Female       8.2       7.2-9.2         Age (years)       7.2-9.2         18-24       0.8       0.0-1.9         25-34       1.4       0.5-2.3         35-44       3.9       2.3-5.6         45-54       8.4       6.4-10.4         55-64       16.7       14.1-19.4         ≥ 65       21.1       18.9-23.3         Race/ethnicity         White non-Hispanic       7.8       7.1-8.6         Black non-Hispanic       8.9       6.4-11.5         Other non-Hispanic       8.9       6.4-11.5         Other non-Hispanic       8.9       5.7-12.3         Annual household income       *       *         <\$15,000	Sex		
Age (years)   18-24	Male	9.6	8.2-10.9
18-24 0.8 0.0-1.9 25-34 1.4 0.5-2.3 35-44 3.9 2.3-5.6 45-54 8.4 6.4-10.4 55-64 16.7 14.1-19.4 ≥ 65 21.1 18.9-23.3  Race/ethnicity  White non-Hispanic 7.8 7.1-8.6 Black non-Hispanic 8.9 6.4-11.5 Other non-Hispanic 8.9 5.7-12.3  Annual household income  <\$15,000 16.9 13.0-20.8 \$15,000-\$24,999 14.8 12.0-17.6 \$25,000-\$34,999 10.6 7.2-14.0 \$35,000-\$49,999 9.0 7.0-11.0 \$\$50,000-\$74,999 5.9 4.0-7.8 ≥\$75,000 4.4 33.5-5 Missing' 9.2 7.2-11.2  Educational attainment  Less than high school 14.5 10.9-18.1 High school or GED 12.2 10.4-14.0 Some post-high school 8.5 7.0-10.0 College graduate 5.3 4.2-6.4  Body Mass Index (BMI) Category Neither overweight nor obese 3.8 2.9-4.6 Overweight 9.1 7.7-10.6 Obese 16.7 14.5-18.9  Disability¹ Yes 19.2 16.7-21.6 No 6.2 5.4-7.0  Region New York City (NYC) 10.2 8.5-11.9	Female	8.2	7.2-9.2
18-24 0.8 0.0-1.9 25-34 1.4 0.5-2.3 35-44 3.9 2.3-5.6 45-54 8.4 6.4-10.4 55-64 16.7 14.1-19.4 ≥ 65 21.1 18.9-23.3  Race/ethnicity  White non-Hispanic 7.8 7.1-8.6 Black non-Hispanic 8.9 6.4-11.5 Other non-Hispanic 8.9 5.7-12.3  Annual household income  <\$15,000 16.9 13.0-20.8 \$15,000-\$24,999 14.8 12.0-17.6 \$25,000-\$34,999 10.6 7.2-14.0 \$35,000-\$49,999 9.0 7.0-11.0 \$\$50,000-\$74,999 5.9 4.0-7.8 ≥\$75,000 4.4 33.5-5 Missing' 9.2 7.2-11.2  Educational attainment  Less than high school 14.5 10.9-18.1 High school or GED 12.2 10.4-14.0 Some post-high school 8.5 7.0-10.0 College graduate 5.3 4.2-6.4  Body Mass Index (BMI) Category Neither overweight nor obese 3.8 2.9-4.6 Overweight 9.1 7.7-10.6 Obese 16.7 14.5-18.9  Disability¹ Yes 19.2 16.7-21.6 No 6.2 5.4-7.0  Region New York City (NYC) 10.2 8.5-11.9	Age (years)		
35-44 3.9 2.3-5.6 45-54 8.4 6.4-10.4 55-64 16.7 14.1-19.4 ≥ 65 21.1 18.9-23.3  Race/ethnicity  White non-Hispanic 7.8 7.1-8.6 Black non-Hispanic 8.9 6.4-11.5 Other non-Hispanic 8.9 6.4-11.5 Other non-Hispanic 8.9 5.7-12.3  Annual household income  <\$15,000 16.9 13.0-20.8 \$15,000-\$24,999 14.8 12.0-17.6 \$25,000-\$34,999 10.6 7.2-14.0 \$35,000-\$49,999 9.0 7.0-11.0 \$55,000-\$74,999 5.9 4.0-7.8 ≥\$75,000 4.4 3.3-5.5 Missing* 9.2 7.2-11.2  Educational attainment  Less than high school 14.5 10.9-18.1 High school or GED 12.2 10.4-14.0 Some post-high school 8.5 7.0-10.0 College graduate 5.3 4.2-6.4  Body Mass Index (BMI) Category  Neither overweight nor obese 3.8 2.9-4.6 Overweight 9.1 7.7-10.6 Obese 16.7 14.5-18.9  Disability⁴  Yes 19.2 16.7-21.6 No 6.2 5.4-7.0  Region New York City (NYC) 10.2 8.5-11.9	- ,	0.8	0.0-1.9
45-54 8.4 6.4-10.4 55-64 16.7 14.1-19.4 ≥ 65 21.1 18.9-23.3  Race/ethnicity  White non-Hispanic 7.8 7.1-8.6 Black non-Hispanic 8.9 6.4-11.5 Other non-Hispanic 8.9 5.7-12.3  Annual household income  <\$15,000 16.9 13.0-20.8 \$15,000 \$16.9 13.0-20.8 \$15,000-\$24,999 14.8 12.0-17.6 \$25,000-\$34,999 10.6 7.2-14.0 \$35,000-\$49,999 9.0 7.0-11.0 \$50,000-\$74,999 \$9.9 7.0-11.0 \$50,000-\$74,999 \$9.9 \$1.0 \$1.0-7.8 ≥ \$7.000 \$1.0 \$1.0 \$1.0 \$1.0 \$1.0 \$1.0 \$1.0	25-34	1.4	0.5-2.3
55-64       16.7       14.1-19.4         ≥ 65       21.1       18.9-23.3         Race/ethnicity         White non-Hispanic       7.8       7.1-8.6         Black non-Hispanic       14.0       10.7-17.3         Hispanic       8.9       6.4-11.5         Other non-Hispanic       8.9       5.7-12.3         Annual household income         <\$15,000	35-44	3.9	2.3-5.6
≥ 65       21.1       18.9-23.3         Race/ethnicity       White non-Hispanic       7.8       7.1-8.6         Black non-Hispanic       14.0       10.7-17.3         Hispanic       8.9       6.4-11.5         Other non-Hispanic       8.9       5.7-12.3         Annual household income       St5,000       16.9       13.0-20.8         \$15,000 \$ 16.9       13.0-20.8       \$15,000-\$24,999       14.8       12.0-17.6         \$25,000-\$34,999       10.6       7.2-14.0       \$35,000-\$49,999       9.0       7.0-11.0         \$50,000-\$74,999       9.9       4.0-7.8       ≥\$75,000       4.4       3.3-5.5         Missing c       9.2       7.2-11.2       Educational attainment       Less than high school       14.5       10.9-18.1       High school or GED       12.2       10.4-14.0       Some post-high school       8.5       7.0-10.0       College graduate       5.3       4.2-6.4       Body Mass Index (BMI) Category       Neither overweight nor obese       3.8       2.9-4.6       Overweight       9.1       7.7-10.6       Obese       Disability d       Yes       19.2       16,7-21.6       No       6.2       5.4-7.0         Region       Now York City (NYC)       10.2       8.5-11.9 <td>45-54</td> <td>8.4</td> <td>6.4-10.4</td>	45-54	8.4	6.4-10.4
Race/ethnicity         White non-Hispanic       7.8       7.1-8.6         Black non-Hispanic       14.0       10.7-17.3         Hispanic       8.9       6.4-11.5         Other non-Hispanic       8.9       5.7-12.3         Annual household income       ****         <\$15,000	55-64	16.7	14.1-19.4
White non-Hispanic       7.8       7.1-8.6         Black non-Hispanic       14.0       10.7-17.3         Hispanic       8.9       6.4-11.5         Other non-Hispanic       8.9       5.7-12.3         Annual household income       ****         <\$15,000	≥ 65	21.1	18.9-23.3
Black non-Hispanic       14.0       10.7-17.3         Hispanic       8.9       6.4-11.5         Other non-Hispanic       8.9       5.7-12.3         Annual household income       ————————————————————————————————————	Race/ethnicity		
Hispanic       8.9       6.4-11.5         Other non-Hispanic       8.9       5.7-12.3         Annual household income       Section       13.0-20.8         \$15,000       16.9       13.0-20.8         \$15,000-\$24,999       14.8       12.0-17.6         \$25,000-\$34,999       10.6       7.2-14.0         \$35,000-\$49,999       9.0       7.0-11.0         \$50,000-\$74,999       5.9       4.0-7.8         ≥\$75,000       4.4       3.3-5.5         Missing <sup>c</sup> 9.2       7.2-11.2         Educational attainment       Less than high school       14.5       10.9-18.1         High school or GED       12.2       10.4-14.0         Some post-high school       8.5       7.0-10.0         College graduate       5.3       4.2-6.4         Body Mass Index (BMI) Category       Neither overweight nor obese       3.8       2.9-4.6         Overweight       9.1       7.7-10.6       Obese       16.7       14.5-18.9         Disability <sup>d</sup> Yes       19.2       16.7-21.6       No       6.2       5.4-7.0         Region       New York City (NYC)       10.2       8.5-11.9	White non-Hispanic	7.8	7.1-8.6
Other non-Hispanic       8.9       5.7-12.3         Annual household income         <\$15,000	Black non-Hispanic	14.0	10.7-17.3
Annual household income         <\$15,000	Hispanic	8.9	6.4-11.5
<\$15,000	Other non-Hispanic	8.9	5.7-12.3
\$15,000-\$24,999 14.8 12.0-17.6 \$25,000-\$34,999 10.6 7.2-14.0 \$35,000-\$49,999 9.0 7.0-11.0 \$50,000-\$74,999 5.9 4.0-7.8 ≥\$75,000 4.4 3.3-5.5 Missing <sup>c</sup> 9.2 7.2-11.2  Educational attainment  Less than high school 14.5 10.9-18.1 High school or GED 12.2 10.4-14.0 Some post-high school 8.5 7.0-10.0 College graduate 5.3 4.2-6.4  Body Mass Index (BMI) Category  Neither overweight nor obese 3.8 2.9-4.6 Overweight 9.1 7.7-10.6 Obese 16.7 14.5-18.9  Disability <sup>d</sup> Yes 19.2 16.7-21.6 No 6.2 5.4-7.0  Region New York City (NYC) 10.2 8.5-11.9	Annual household income		
\$25,000-\$34,999 10.6 7.2-14.0 \$35,000-\$49,999 9.0 7.0-11.0 \$50,000-\$74,999 5.9 4.0-7.8 ≥\$75,000 4.4 3.3-5.5 Missingc 9.2 7.2-11.2  Educational attainment  Less than high school 14.5 10.9-18.1 High school or GED 12.2 10.4-14.0 Some post-high school 8.5 7.0-10.0 College graduate 5.3 4.2-6.4  Body Mass Index (BMI) Category  Neither overweight nor obese 3.8 2.9-4.6 Overweight 9.1 7.7-10.6 Obese 16.7 14.5-18.9  Disabilityd  Yes 19.2 16.7-21.6 No 6.2 5.4-7.0  Region  New York City (NYC) 10.2 8.5-11.9	<\$15,000	16.9	13.0-20.8
\$35,000-\$49,999  \$50,000-\$74,999  \$5.9  \$4.0-7.8  ≥\$75,000  \$4.4  \$3.3-5.5  Missing <sup>c</sup> \$9.2  \$7.2-11.2  Educational attainment  Less than high school  \$14.5  \$10.9-18.1  High school or GED  \$12.2  \$10.4-14.0  Some post-high school  \$8.5  \$7.0-10.0  College graduate  \$5.3  \$4.2-6.4  Body Mass Index (BMI) Category  Neither overweight nor obese  \$3.8  \$2.9-4.6  Overweight  \$9.1  \$7.7-10.6  Obese  \$16.7  \$14.5-18.9  Disability <sup>d</sup> Yes  \$19.2  \$16.7-21.6  No  \$6.2  \$5.4-7.0  Region  New York City (NYC)  \$10.2  \$8.5-11.9	\$15,000-\$24,999	14.8	12.0-17.6
\$50,000-\$74,999  ≥\$75,000  4.4  3.3-5.5  Missing <sup>c</sup> 9.2  7.2-11.2  Educational attainment  Less than high school  14.5  High school or GED  12.2  10.4-14.0  Some post-high school  8.5  7.0-10.0  College graduate  5.3  4.2-6.4  Body Mass Index (BMI) Category  Neither overweight nor obese  3.8  2.9-4.6  Overweight  9.1  7.7-10.6  Obese  16.7  14.5-18.9  Disability <sup>d</sup> Yes  19.2  16.7-21.6  No  6.2  5.4-7.0  Region  New York City (NYC)  10.2  8.5-11.9	\$25,000-\$34,999	10.6	7.2-14.0
≥\$75,000 4.4 3.3-5.5 Missing <sup>c</sup> 9.2 7.2-11.2  Educational attainment  Less than high school 14.5 10.9-18.1 High school or GED 12.2 10.4-14.0 Some post-high school 8.5 7.0-10.0 College graduate 5.3 4.2-6.4  Body Mass Index (BMI) Category Neither overweight nor obese 3.8 2.9-4.6 Overweight 9.1 7.7-10.6 Obese 16.7 14.5-18.9  Disability <sup>d</sup> Yes 19.2 16.7-21.6 No 6.2 5.4-7.0  Region New York City (NYC) 10.2 8.5-11.9	\$35,000-\$49,999	9.0	7.0-11.0
Missingc       9.2       7.2-11.2         Educational attainment         Less than high school       14.5       10.9-18.1         High school or GED       12.2       10.4-14.0         Some post-high school       8.5       7.0-10.0         College graduate       5.3       4.2-6.4         Body Mass Index (BMI) Category         Neither overweight nor obese       3.8       2.9-4.6         Overweight       9.1       7.7-10.6         Obese       16.7       14.5-18.9         Disabilityd         Yes       19.2       16.7-21.6         No       6.2       5.4-7.0         Region         New York City (NYC)       10.2       8.5-11.9	\$50,000-\$74,999	5.9	4.0-7.8
Educational attainment         Less than high school       14.5       10.9-18.1         High school or GED       12.2       10.4-14.0         Some post-high school       8.5       7.0-10.0         College graduate       5.3       4.2-6.4         Body Mass Index (BMI) Category       Neither overweight nor obese       3.8       2.9-4.6         Overweight       9.1       7.7-10.6         Obese       16.7       14.5-18.9         Disability <sup>d</sup> Yes       19.2       16.7-21.6         No       6.2       5.4-7.0         Region         New York City (NYC)       10.2       8.5-11.9	≥\$75,000	4.4	3.3-5.5
Less than high school       14.5       10.9-18.1         High school or GED       12.2       10.4-14.0         Some post-high school       8.5       7.0-10.0         College graduate       5.3       4.2-6.4         Body Mass Index (BMI) Category       Neither overweight nor obese       3.8       2.9-4.6         Overweight       9.1       7.7-10.6         Obese       16.7       14.5-18.9         Disability <sup>d</sup> Yes       19.2       16.7-21.6         No       6.2       5.4-7.0         Region         New York City (NYC)       10.2       8.5-11.9	Missing <sup>c</sup>	9.2	7.2-11.2
High school or GED       12.2       10.4-14.0         Some post-high school       8.5       7.0-10.0         College graduate       5.3       4.2-6.4         Body Mass Index (BMI) Category         Neither overweight nor obese       3.8       2.9-4.6         Overweight       9.1       7.7-10.6         Obese       16.7       14.5-18.9         Disability <sup>d</sup> Yes       19.2       16.7-21.6         No       6.2       5.4-7.0         Region         New York City (NYC)       10.2       8.5-11.9	<b>Educational attainment</b>		
Some post-high school       8.5       7.0-10.0         College graduate       5.3       4.2-6.4         Body Mass Index (BMI) Category         Neither overweight nor obese       3.8       2.9-4.6         Overweight       9.1       7.7-10.6         Obese       16.7       14.5-18.9         Disability <sup>d</sup> Yes       19.2       16.7-21.6         No       6.2       5.4-7.0         Region         New York City (NYC)       10.2       8.5-11.9	Less than high school	14.5	10.9-18.1
College graduate       5.3       4.2-6.4         Body Mass Index (BMI) Category       Neither overweight nor obese       3.8       2.9-4.6         Overweight       9.1       7.7-10.6         Obese       16.7       14.5-18.9         Disability <sup>d</sup> Yes       19.2       16.7-21.6         No       6.2       5.4-7.0         Region         New York City (NYC)       10.2       8.5-11.9	High school or GED	12.2	10.4-14.0
Body Mass Index (BMI) Category         Neither overweight nor obese       3.8       2.9-4.6         Overweight       9.1       7.7-10.6         Obese       16.7       14.5-18.9         Disability <sup>d</sup> Yes       19.2       16.7-21.6         No       6.2       5.4-7.0         Region         New York City (NYC)       10.2       8.5-11.9	Some post-high school	8.5	7.0-10.0
Neither overweight nor obese       3.8       2.9-4.6         Overweight       9.1       7.7-10.6         Obese       16.7       14.5-18.9         Disability <sup>d</sup> Yes       19.2       16.7-21.6         No       6.2       5.4-7.0         Region         New York City (NYC)       10.2       8.5-11.9	College graduate	5.3	4.2-6.4
Overweight       9.1       7.7-10.6         Obese       16.7       14.5-18.9         Disability <sup>d</sup> Yes       19.2       16.7-21.6         No       6.2       5.4-7.0         Region         New York City (NYC)       10.2       8.5-11.9	Body Mass Index (BMI) Category		
Obese       16.7       14.5-18.9         Disability <sup>d</sup> Yes       19.2       16.7-21.6         No       6.2       5.4-7.0         Region         New York City (NYC)       10.2       8.5-11.9	Neither overweight nor obese	3.8	2.9-4.6
Disability <sup>d</sup> Yes       19.2       16.7-21.6         No       6.2       5.4-7.0         Region         New York City (NYC)       10.2       8.5-11.9	Overweight	9.1	7.7-10.6
Yes     19.2     16.7-21.6       No     6.2     5.4-7.0       Region       New York City (NYC)     10.2     8.5-11.9		16.7	14.5-18.9
Yes     19.2     16.7-21.6       No     6.2     5.4-7.0       Region       New York City (NYC)     10.2     8.5-11.9	Disability <sup>d</sup>		
Region New York City (NYC) 10.2 8.5-11.9	•	19.2	16.7-21.6
New York City (NYC) 10.2 8.5-11.9	No	6.2	5.4-7.0
New York City (NYC) 10.2 8.5-11.9	Region		
	_	10.2	8.5-11.9
	•	8.2	

a Does not include reported gestational diabetes, pre-diabetes, or borderline diabetes.

b % = weighted percentage; CI = confidence interval

c "Missing" category included because more than 10% of the sample did not report income.

d All respondents who report activity limitations due to physical, mental, or emotional problems OR have health problems that require the use of special equipment.

## References

- National Institute of Diabetes and Kidney
  Diseases, National Institutes of Health. Diagnosis
  of Diabetes, National Diabetes Clearinghouse.
  Available at:
  http://diabetes.niddk.nih.gov/dm/pubs/
  diagnosis.
  Accessed September 9, 2010.
- Cowie CC, Rust KF, Fored ES, Eberhardt MS, Dyrd-Holt DD, Li C, Williams DE, Gregg EW, Bainbridge KE, Saydah SH, Geiss LS`. Full Accounting of Diabetes and Pre-Diabetes in the U.S. Population in 1988-1994 and 2005-2006. Diabetes Care. Feb 2009: 32(2):287-294. Available at: http://care.diabetesjournals.org/content/32/2/287.full.pdf+html?sid=94fc2171-ed08-4efb-a48a-bbd840c2fa40.
- New York State Department of Health.
   Prevention Agenda toward the Healthiest State 2008-2013. Available at:
   http://health.ny.gov/prevention/prevention\_ agenda/index.htm.
- 4. Centers for Disease Control and Prevention.
  Diabetes: Successes and Opportunities for
  Population-Based Prevention and Control: At a
  Glance, 2010. Atlanta, GA: U.S. Department of
  Health and Human Services, Centers for Disease
  Control and Prevention, 2010. Available at:
  http://www.cdc.gov/chronicdisease/resources/
  publications/aag/pdf/2010/diabetes\_aag.pdf.
- American Diabetes Association: Diabetes Cost Calculator. Available at: http://www.diabetes.org/advocate/resources/ cost-of-diabetes.html. Accessed September 24, 2010.

## **Program Contributions**

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