

### Prevalence of GDM History among Women of Reproductive Age

Prevalence of a GDM history refers to the estimated population of women who had GDM in a current or past pregnancy. This measure excludes women who had GDM but subsequently developed T2DM and seeks to identify the population of women with a GDM history at risk for T2DM.

From 2011-13, approximately 3.1 percent of Ohio women self-reported having been diagnosed with diabetes only during pregnancy, whereas 2.8 percent self-reported the same information in 2017-19.

**Table 12a.** Prevalence of a history of GDM only, among women aged 18-44 years, by demographics, Ohio 2011 – 2019. Source: Ohio Behavioral Risk Factor Surveillance System

		2011-13 (n=151)		2014-16 (n=103)		2017-19 (n=135)	
Overall %		%	95% CI	%	95% CI	%	95% CI
		3.1	2.4 - 3.8	2.5	1.8-3.3	2.8	2.2 - 3.3
Age (years)	18-24	1.7	0.3-3.0	N/A <sup>1</sup>	N/A <sup>1</sup>	1.2	0.3 - 2.1
	25-34	3.5	2.2-4.8	3.5	1.8-5.1	3.5	2.4 - 4.5
	35-44	3.7	2.7-4.7	3.5	2.1-4.9	3.2	2.2 - 4.1
Race/Ethnicity	Non-Hispanic White	2.7	1.4-4.0	2.9	1.9-3.9	3.3	2.6 - 4.1
	Non-Hispanic Black	2.5	0.0-5.2	1.7	0.2-3.2	N/A <sup>1</sup>	N/A <sup>1</sup>
	Hispanic	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>
	Other	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>
Marital Status	Ever Married	3.5	2.7-4.4	3.5	2.2-4.8	3.8	2.9 - 4.7
	Never Married	2.5	1.4-3.7	1.5	0.7-2.3	1.7	1.0 - 2.4
Education	Less than HS	6.3	2.6-10.0	4.6	0.8-8.5	2.2	0.3 - 4.0
	HS Graduate	2.1	1.2-3.1	1.5	0.7-2.3	2.1	1.0 - 3.2
	Some College	3.1	1.9-4.4	3.2	1.5-4.9	3.1	2.0 - 4.2
	College Graduate	2.4	1.7-3.2	2.0	1.2-2.8	3.1	2.1 - 4.2
Insurance	Plan	3.0	2.2-3.7	2.5	1.7-3.3	2.8	2.2 - 3.5
	No Plan	3.3	1.4-5.3	3.1	0.6-5.6	2.0	0.3 - 3.7
Income-Level	Less than \$15,000	2.8	0.6-5.1	4.1	1.0-7.3	3.5	1.2 - 5.9
	\$15,000-\$24,999	2.6	1.3-4.0	3.7	0.6-6.8	2.0	0.9 - 3.1
	\$25,000-\$34,999	2.6	0.9-4.2	1.2	0.0-2.8	3.4	1.1 - 5.6
	\$35,000-\$49,000	3.8	1.4-6.2	1.9	0.2-3.6	2.8	1.0 - 4.5
	\$50,000 or More	3.1	2.1-4.1	2.2	1.2-3.2	3.1	2.2 - 4.1
Geographic Region	Suburban	3.9	2.2-5.6	3.1	1.2-5.1	3.2	2.0 - 4.5
	Rural	4.1	1.9-6.3	1.9	0.6-3.3	5.3	2.9 - 7.7
	Metropolitan	3.0	1.8-4.2	1.9	1.0-2.9	2.0	1.2 - 2.8
	Appalachian	1.7	0.7-2.6	2.4	1.2-3.6	2.2	1.3 - 3.2

Source: Ohio Behavioral Risk Factor Surveillance System, Ohio Department of Health, 2019.

**Note:**

<sup>1</sup>Estimate does not meet the reliability criteria for reporting set by the CDC.

This table was previously labeled Table 14a in the 2019 Gestational Diabetes in Ohio Data Book.

## Gestational Diabetes in Ohio, 2008-2019

**Table 12b.** Prevalence of a history of GDM only among women aged 18-44 years, by behavioral risk factor, Ohio 2011 – 2018. Source: Ohio Behavioral Risk Factor Surveillance System

		2011-13 (n=151)		2014-16 (n=103)		2017-19 (n=135)	
		%	95% CI	%	95% CI	%	95% CI
<b>BMI</b> <sup>2</sup>	Underweight (< 18.5)	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>
	Normal weight (18.5 - 24.99)	2.9	1.6-4.1	1.6	0.6-2.5	2.4	1.4 - 3.4
	Overweight (25.00-29.99)	2.6	1.5-3.7	3.9	1.6-6.1	3.1	1.9 - 4.3
	Obese (30.0+)	3.9	2.7-5.2	3.3	1.8-4.9	2.7	1.7 - 3.8
<b>Smoking Status</b>	Ever Smoker	3.3	2.3-4.4	4.1	2.3-5.8	3.0	2.0 - 4.0
	Never Smoker	2.9	1.9-3.9	1.6	0.9-2.3	2.6	1.9 - 3.4

Source: Ohio Behavioral Risk Factor Surveillance System, Ohio Department of Health, 2019.

**Note:**

<sup>1</sup>Estimate does not meet the reliability criteria for reporting set by the CDC.

<sup>2</sup>BMI was calculated from self-reported height and weight.

This table was previously labeled Table 14b in the 2019 Gestational Diabetes in Ohio Data Book.



## Gestational Diabetes in Ohio, 2008-2019

The current behaviors of women with a GDM history will impact whether or not they go on to develop T2DM. From 2017-19, more than one in three Ohio women with a GDM history self-reported having a history of smoking, and about one in ten has not had a routine health checkup within the last 2 years. These factors further impact a woman's risk for developing T2DM and timely diagnosis and management if they do develop T2DM.

**Table 13.** Health care and health behaviors among women aged 18-44 years with a history of GDM compared to women with current T2DM and women with no diabetes history, Ohio, 2011 – 2019. Source: Ohio Behavioral Risk Factor Surveillance System

	2011-13			2014-16			2017-19		
	History of GDM	Current Diabetes	No Diabetes History	History of GDM	Current Diabetes	No Diabetes History	History of GDM	Current Diabetes	No Diabetes History
	% [95 CI]	% [95 CI]	% [95 CI]	% [95 CI]	% [95 CI]	% [95 CI]	% [95 CI]	% [95 CI]	% [95 CI]
<b>Smoker</b>	<b>n=151</b>	<b>n=196</b>	<b>n=4766</b>	<b>n=103</b>	<b>n=170</b>	<b>n=3896</b>	<b>n=135</b>	<b>n=211</b>	<b>n=4251</b>
Ever Smoker	47.0 [35.3-58.8]	56.5 [46.6-66.4]	43.1 [41.2-44.9]	59.8 [44.9-74.7]	47.9 [37.6-58.2]	36.6 [34.4-38.7]	38.8 [28.3 - 49.4]	46.5 [36.2 - 56.8]	35.1 [33.1 - 37.0]
Never Smoker	53.0 [41.2-64.7]	43.5 [33.6-53.4]	56.9 [55.0-58.8]	40.2 [25.3-55.1]	52.1 [41.8-62.4]	63.4 [61.3-65.6]	61.2 [50.6 - 71.7]	53.5 [43.2 - 63.8]	64.9 [63.0 - 66.9]
<b>Met aerobic physical activity recommendation<sup>1</sup></b>									
Yes	32.0 [14.5-49.4]	24.1 [9.9-38.3]	30.6 [28.2-33.1]	N/A <sup>2</sup>	35.1 [21.7-48.6]	52.6 [49.5-55.8]	N/A <sup>2</sup>	38.8 [23.4 - 54.1]	50.2 [46.6 - 53.8]
No	68.0 [50.6-85.5]	75.9 [61.6-90.1]	69.4 [66.9-71.8]	N/A <sup>2</sup>	64.9 [51.4-78.3]	47.4 [44.2-50.5]	N/A <sup>2</sup>	61.2 [45.9 - 76.6]	49.8 [46.2 - 53.4]
<b>Last routine health check-up</b>									
Within past 2 years	80.0 [70.1-89.9]	91.3 [86.9-95.7]	81.7 [80.3-83.2]	82.3 [72.1-92.6]	81.7 [72.8-90.7]	83.8 [82.2-85.4]	86.7 [79.8 - 93.7]	97.4 [94.8 - 99.9]	85.3 [83.8 - 86.7]
Within past 5 years	11.5 [2.9-20.1]	6.1 [2.2-10.0]	10.2 [9.0-11.4]	N/A <sup>2</sup>	N/A <sup>2</sup>	8.5 [7.2-9.7]	6.4 [1.2 - 11.6]	N/A <sup>2</sup>	7.8 [6.8 - 8.9]
5 or more years	8.5 [2.4-14.6]	N/A <sup>2</sup>	8.1 [7.0-9.1]	N/A <sup>2</sup>	N/A <sup>2</sup>	7.7 [6.5-8.8]	6.9 [1.9 - 11.8]	N/A <sup>2</sup>	6.9 [5.9 - 7.9]

**Source:** Ohio Behavioral Risk Factor Surveillance System, Ohio Department of Health, 2019.

**Note:**

<sup>1</sup>Question not asked in 2012, 2014 and 2018. Estimates derived from 2011, 2013, 2015, 2016, 2017 and 2019 data only.

<sup>2</sup>Estimate does not meet the reliability criteria for reporting set by the CDC.

This table was previously labeled Table 15 in the 2019 Gestational Diabetes in Ohio Data Book.