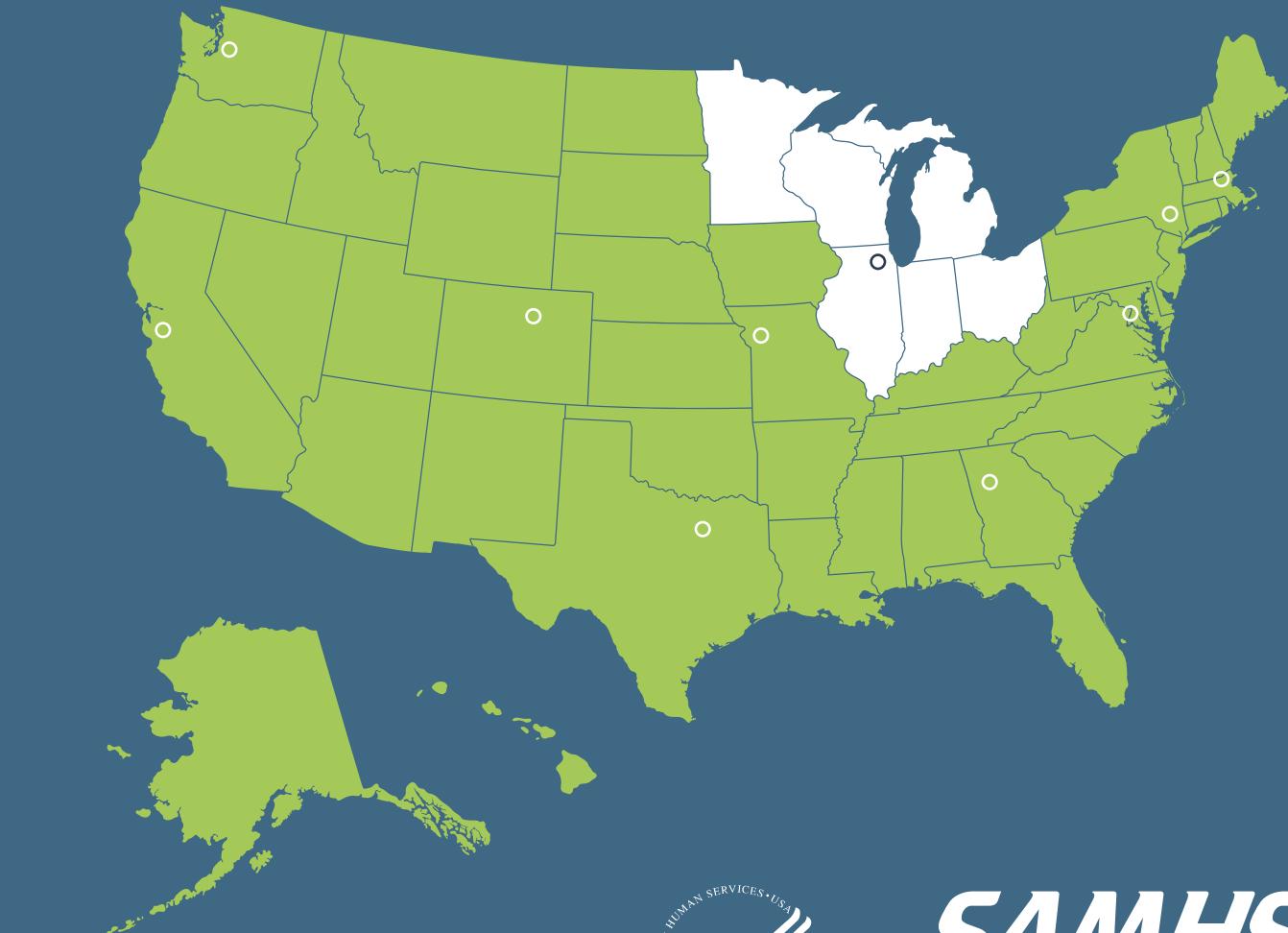




# Behavioral Health Barometer

Region 5, Volume 5

Indicators as measured through the 2017 National Survey on Drug Use and Health  
and the National Survey of Substance Abuse Treatment Services



**SAMHSA**  
Substance Abuse and Mental Health  
Services Administration



## Acknowledgments

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# Foreword



The Substance Abuse and Mental Health Services Administration (SAMHSA), an operating division within the U.S. Department of Health and Human Services (HHS), is charged with reducing the impact of substance abuse and mental illness on America's communities. SAMHSA is pursuing this mission at a time of significant change.

*The Behavioral Health Barometer: Region 5, Volume 5: Indicators as measured through the 2017 National Survey on Drug Use and Health and the National Survey of Substance Abuse Treatment Services*, is one of a series of national, regional, and state reports that provide a snapshot of behavioral health in the United States. The reports present a set of substance use and mental health indicators as measured through the National Survey on Drug Use and Health (NSDUH) and the National Survey of Substance Abuse Treatment Services (N-SSATS), sponsored by SAMHSA.

This array of indicators provides a unique overview of the nation's behavioral health at a point in time as well as a mechanism for tracking changes over time. Behavioral Health Barometers for the nation, 10 regions, and all 50 states and the District of Columbia are published as part of SAMHSA's behavioral health quality improvement approach. Most importantly, the Behavioral Health Barometers provide critical information in support of SAMHSA's mission of reducing the impact of substance abuse and mental illness on America's communities.

Elinore F. McCance-Katz, M.D., Ph.D.  
Assistant Secretary for Mental Health and Substance Use  
Substance Abuse and Mental Health Services Administration  
U.S. Department of Health and Human Services



# Introduction

## Purpose of this Report

*Behavioral Health Barometer: Region 5, Volume 5: Indicators as measured through the 2017 National Survey on Drug Use and Health and the National Survey of Substance Abuse Treatment Services* provides an annual update on a series of topics that focus on substance use and mental health (collectively referred to as behavioral health) in the United States. SAMHSA selected specific topics and indicators in this report to represent a cross-section of the key behavioral health indicators that are assessed in SAMHSA data collections, including NSDUH and N-SSATS. This report is intended to provide a concise, reader-friendly summary of key behavioral health measures for lay and professional audiences.

## Organization of this Report

This report is divided into sections based on content areas and age groups. It begins with sections on substance use, mental health, and mental health treatment among youth aged 12 to 17, followed by a section on substance use and mental health among young adults aged 18–25. Next are sections on substance use, misuse, use disorders, and treatment among youth and adults combined, and then mental health and treatment among adults aged 18 or older. Figure titles are included above all graphics, including callouts for figure notes that are presented on pages 53–54. These figure notes include additional information about the measures, populations, and analyses presented in the graphics and text. Definitions of key measures and terms included in the report are presented on pages 55–56.

## Methodological Information

Statistical tests (t-tests) have been conducted for all statements appearing in the text of the report based on NSDUH data that compare estimates between years or population subgroups. Unless explicitly stated that a difference is not statistically significant, all statements based on NSDUH data that describe differences are significant at the .05 level. Standard NSDUH suppression rules have been applied for all NSDUH estimates in this report. Pages 43–46 present N-SSATS data, and because N-SSATS provides counts of people enrolled at all treatment facilities (as opposed to providing estimates based on a sample of treatment facilities), conducting significance tests is not necessary. Tables that display all data points included in this report, including tests of statistical significance and standard errors, are available by request. To request these tables or to ask any questions regarding how to use or interpret the data included in this report, please contact [CBHSQRequest@samhsa.hhs.gov](mailto:CBHSQRequest@samhsa.hhs.gov).

# Youth Substance Use

## Cigarette Use



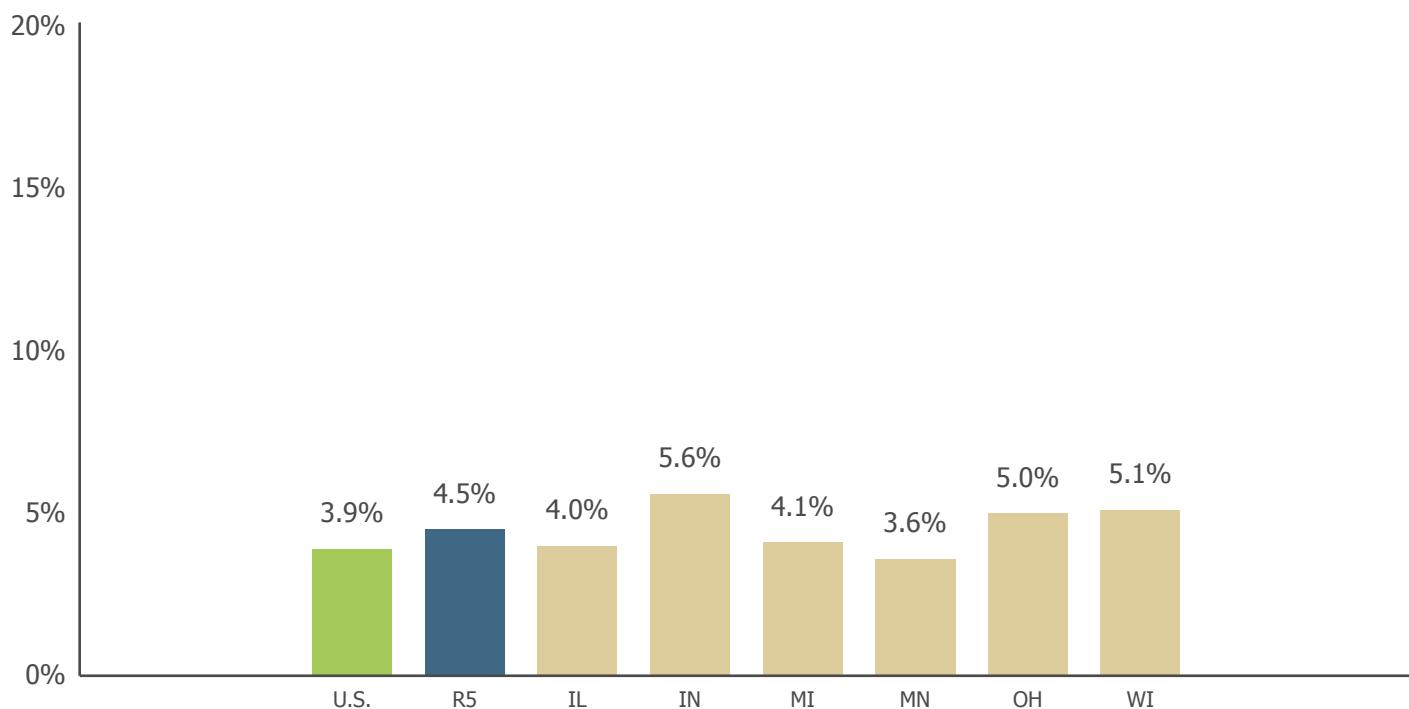
### Past-Month Cigarette Use among Youth Aged 12–17 in Region 5 (Annual Averages, 2014–2017)<sup>1</sup>



During 2014–2017, among youth aged 12–17 in Region 5, **4.5%** (or **187,000**) used cigarettes in the past month, higher than the national average (**3.9%**).

Compared to the national average, the estimate was higher in Ohio; and was similar in Illinois, Indiana, Michigan, Minnesota, and Wisconsin.

Compared to the regional average, the estimate was similar in every state in Region 5.



U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

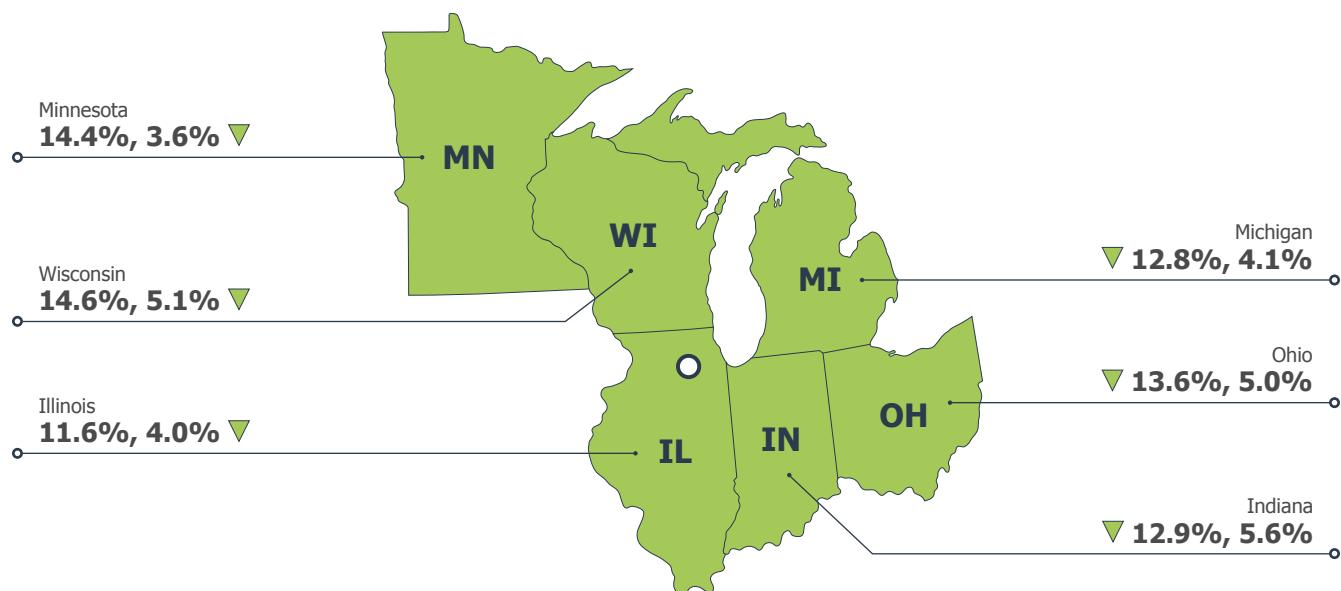
# Youth Substance Use

## Cigarette Use



### Changes in Past-Month Cigarette Use among Youth Aged 12–17 in Region 5 (Annual Averages, 2002–2005 and 2014–2017)<sup>1</sup>

Among youth aged 12–17 in Region 5, the annual average percentage of cigarette use in the past month decreased between 2002–2005 (13.0%) and 2014–2017 (4.5%). The percentage decreased in every state in Region 5.



Key: % 2002–2005, % 2014–2017

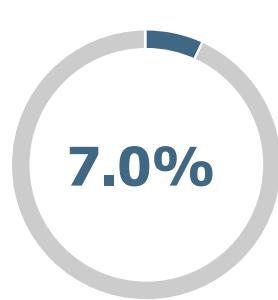
- ▲ **Increased** from 2002–2005 to 2014–2017
- No Significant Change from 2002–2005 to 2014–2017
- ▼ **Decreased** from 2002–2005 to 2014–2017

# Youth Substance Use

## Marijuana Use



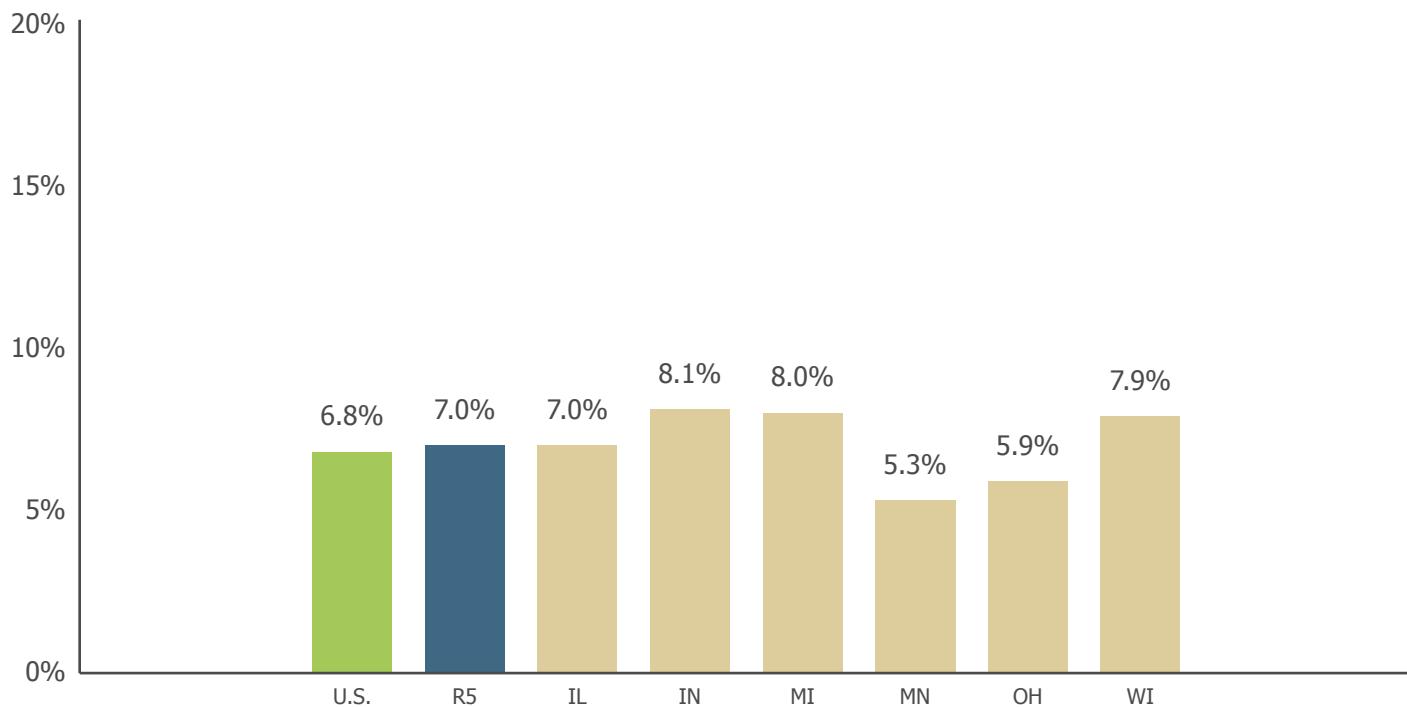
### Past-Month Marijuana Use among Youth Aged 12–17 in Region 5 (Annual Averages, 2014–2017)<sup>1</sup>



During 2014–2017, among youth aged 12–17 in Region 5, **7.0%** (or **289,000**) used marijuana in the past month, similar to the national average (**6.8%**).

Compared to the national average, the estimate was higher in Michigan; was lower in Ohio; and was similar in Illinois, Indiana, Minnesota, and Wisconsin.

Compared to the regional average, the estimate was lower in Minnesota and Ohio; and was similar in Illinois, Indiana, Michigan, and Wisconsin.



U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

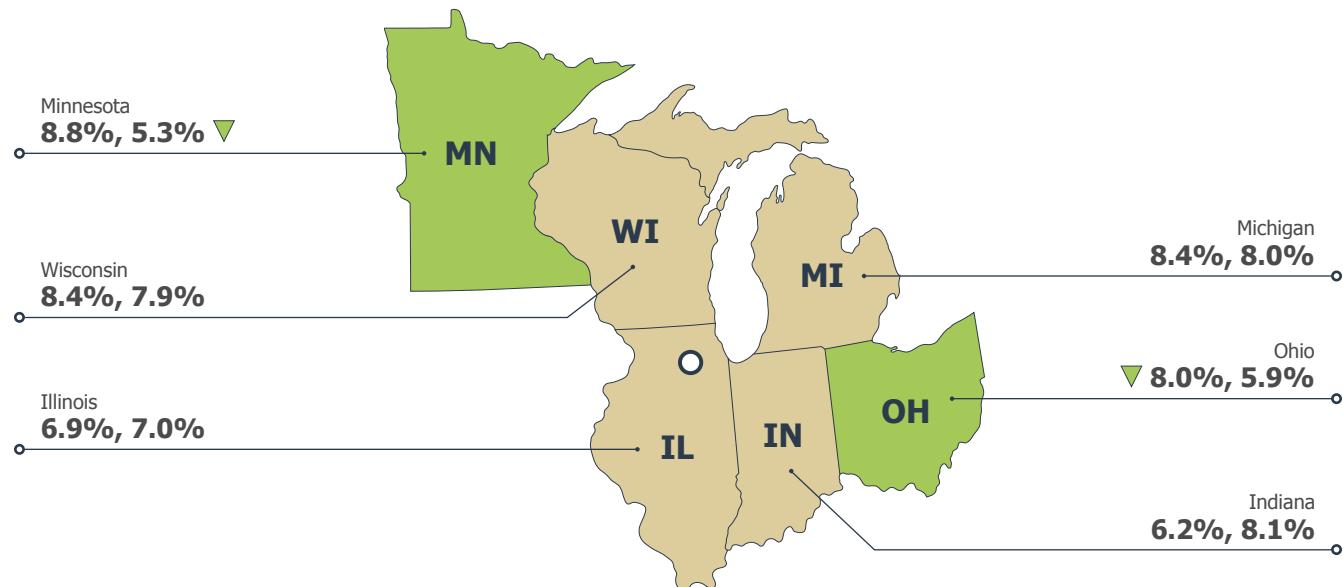
# Youth Substance Use

## Marijuana Use



### Changes in Past-Month Marijuana Use among Youth Aged 12–17 in Region 5 (Annual Averages, 2002–2005 and 2014–2017)<sup>1</sup>

Among youth aged 12–17 in Region 5, the annual average percentage of marijuana use in the past month did not significantly change between 2002–2005 (**7.7%**) and 2014–2017 (**7.0%**). The percentage decreased in Minnesota and Ohio.



Key: % 2002–2005, % 2014–2017

- ▲ **Increased** from 2002–2005 to 2014–2017
- **No Significant Change** from 2002–2005 to 2014–2017
- ▼ **Decreased** from 2002–2005 to 2014–2017

# Youth Substance Use

## Alcohol Use



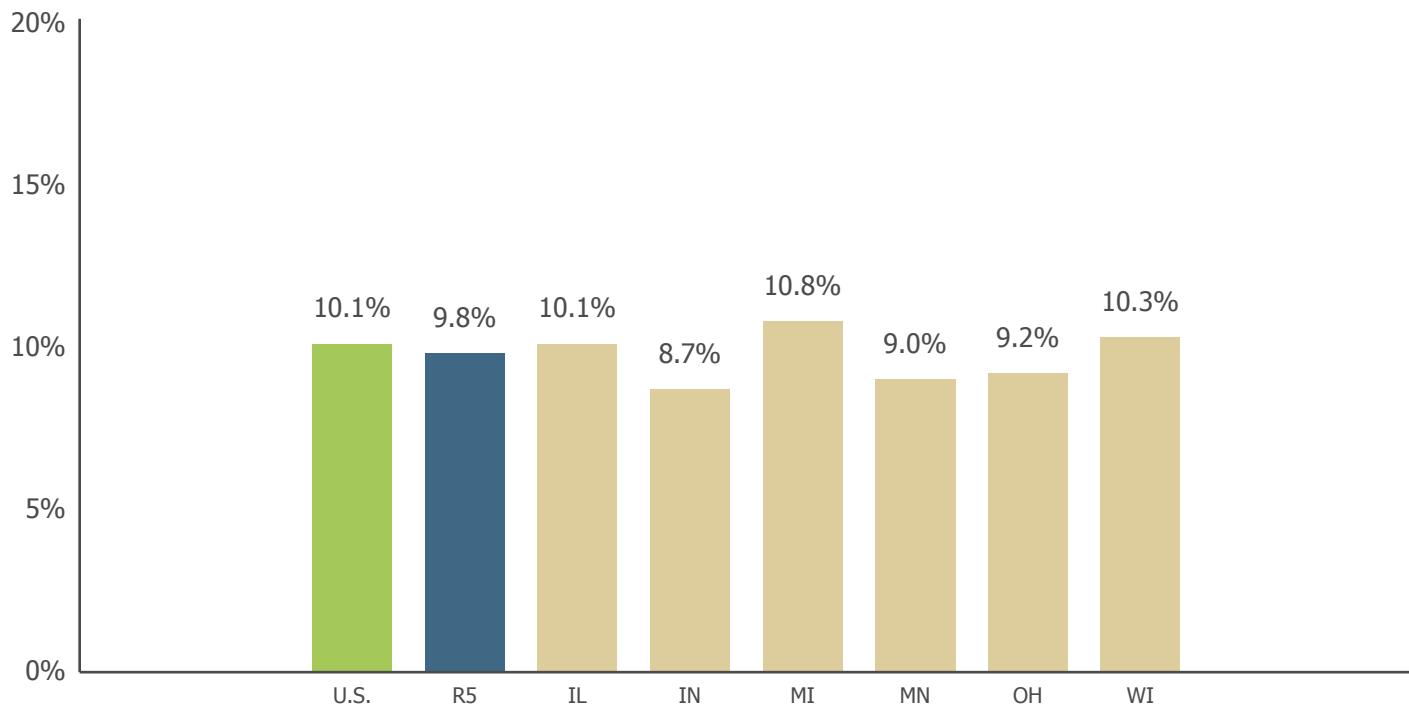
### Past-Month Alcohol Use among Youth Aged 12–17 in Region 5 (Annual Averages, 2014–2017)<sup>1</sup>



During 2014–2017, among youth aged 12–17 in Region 5, **9.8%** (or **402,000**) used alcohol in the past month, similar to the national average (**10.1%**).

Compared to the national average, the estimate was similar in every state in Region 5.

Compared to the regional average, the estimate was similar in every state in Region 5.



U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

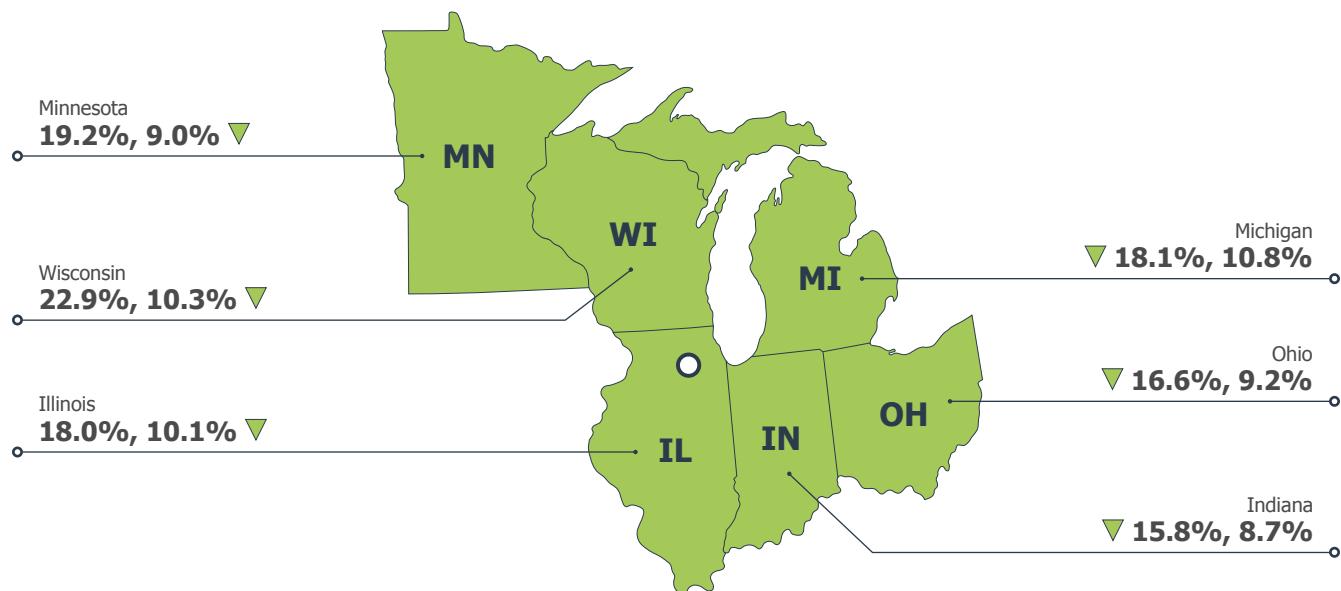
# Youth Substance Use

## Alcohol Use



### Changes in Past-Month Alcohol Use among Youth Aged 12–17 in Region 5 (Annual Averages, 2002–2005 and 2014–2017)<sup>1</sup>

Among youth aged 12–17 in Region 5, the annual average percentage of alcohol use in the past month decreased between 2002–2005 (**18.1%**) and 2014–2017 (**9.8%**). The percentage decreased in every state in Region 5.



Key: % 2002–2005, % 2014–2017

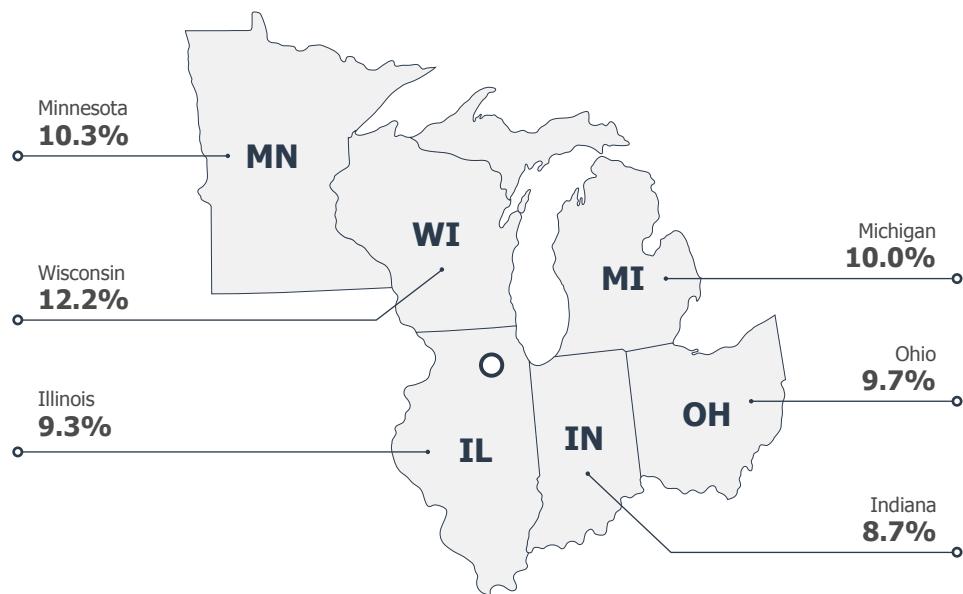
- ▲ **Increased** from 2002–2005 to 2014–2017
- No Significant Change from 2002–2005 to 2014–2017
- ▼ **Decreased** from 2002–2005 to 2014–2017

# Youth Substance Use

## Initiation of Substance Use



### Past-Year Initiation (First Lifetime Use) of Alcohol among Youth Aged 12–17 in Region 5 (Annual Averages, 2013–2017)<sup>1</sup>

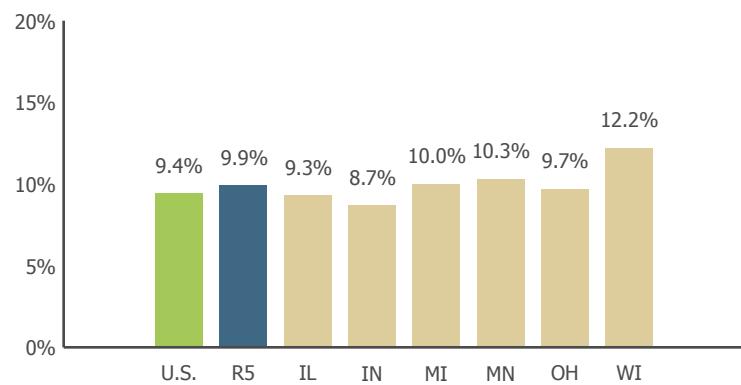


Key: % 2013–2017

During 2013–2017, among youth aged 12–17 in Region 5, **9.9%** (or **407,000**) used alcohol for the first time in their lives, similar to the national average (**9.4%**).

Compared to the national average, the estimate was higher in Wisconsin; and was similar in Illinois, Indiana, Michigan, Minnesota, and Ohio.

Compared to the regional average, the estimate was higher in Wisconsin; and was similar in Illinois, Indiana, Michigan, Minnesota, and Ohio.



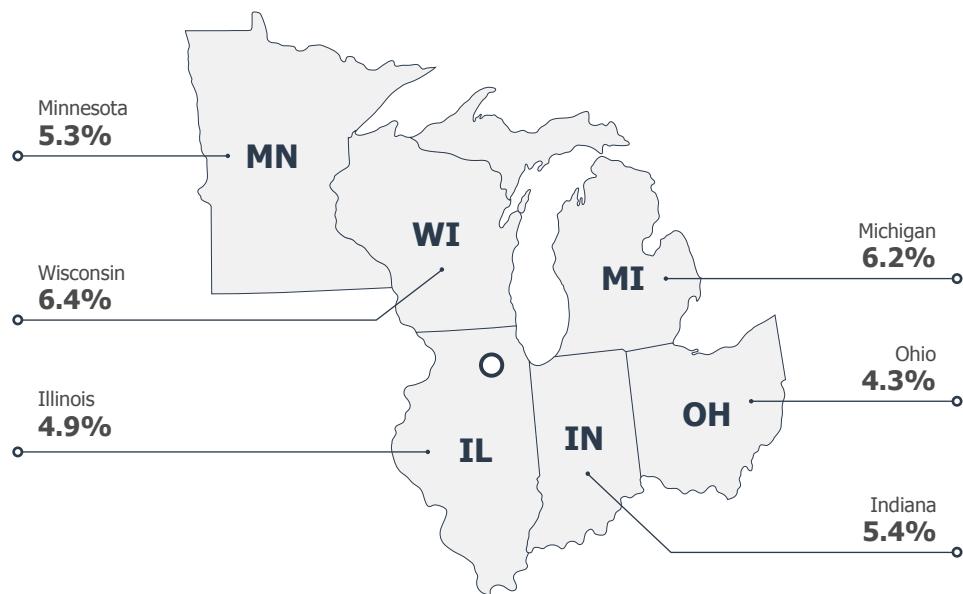
U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

# Youth Substance Use

## Initiation of Substance Use



### Past-Year Initiation (First Lifetime Use) of Marijuana among Youth Aged 12–17 in Region 5 (Annual Averages, 2013–2017)<sup>1</sup>

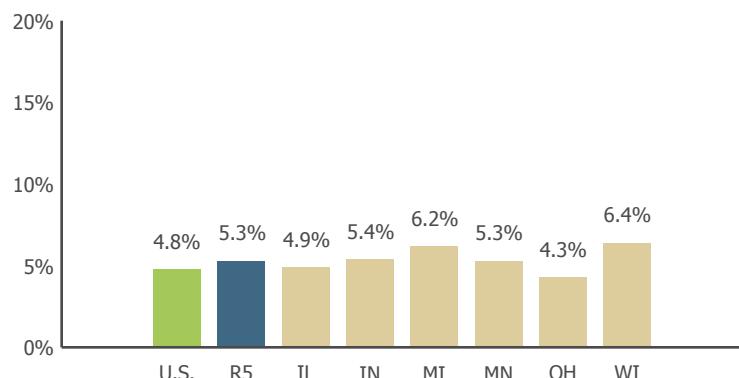


Key: % 2013–2017

During 2013–2017, among youth aged 12–17 in Region 5, **5.3%** (or **218,000**) used marijuana for the first time in their lives, higher than the national average (**4.8%**).

Compared to the national average, the estimate was higher in Michigan and Wisconsin; and was similar in Illinois, Indiana, Minnesota, and Ohio.

Compared to the regional average, the estimate was higher in Michigan; was lower in Ohio; and was similar in Illinois, Indiana, Minnesota, and Wisconsin.



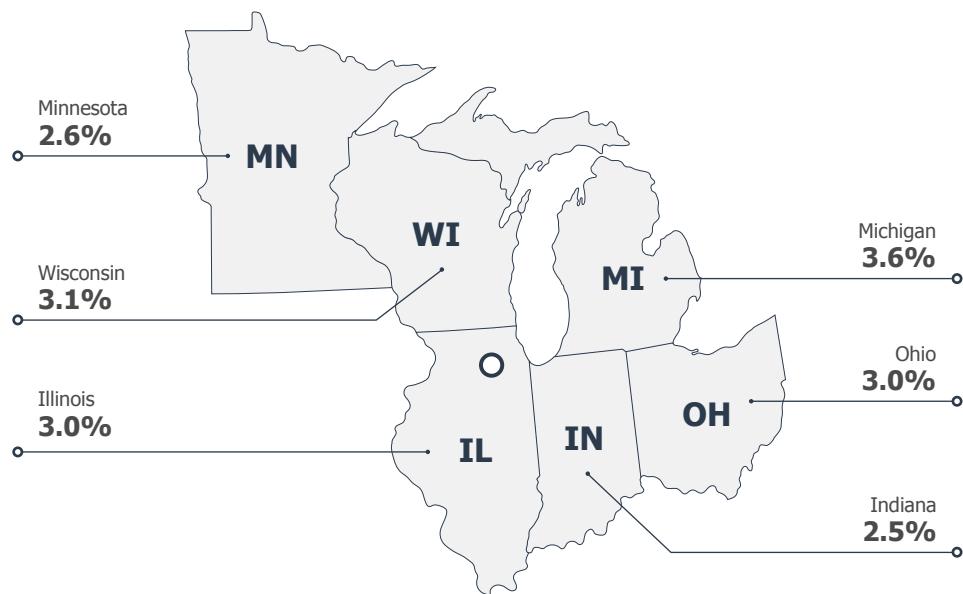
U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

# Youth Substance Use

## Initiation of Substance Use



### Past-Year Initiation (First Lifetime Use) of Cigarettes among Youth Aged 12–17 in Region 5 (Annual Averages, 2013–2017)<sup>1</sup>

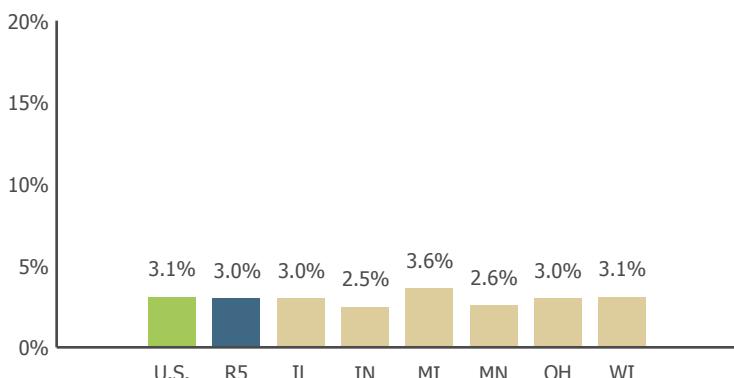


Key: % 2013–2017

During 2013–2017, among youth aged 12–17 in Region 5, **3.0%** (or **126,000**) used cigarettes for the first time in their lives, similar to the national average (**3.1%**).

Compared to the national average, the estimate was similar in every state in Region 5.

Compared to the regional average, the estimate was similar in every state in Region 5.



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# Youth Mental Health and Service Use

## Depression



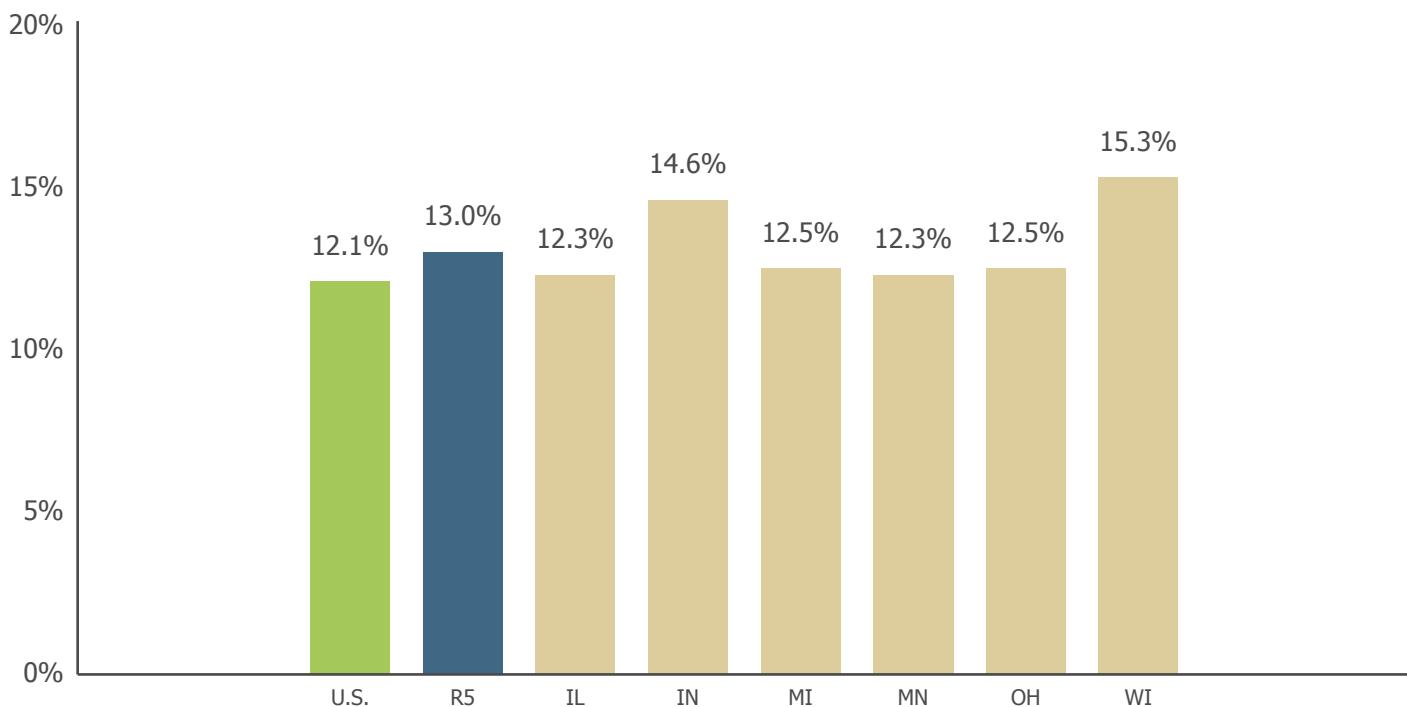
### Past-Year Major Depressive Episode (MDE) among Youth Aged 12–17 in Region 5 (Annual Averages, 2013–2017)<sup>1,2</sup>



During 2013–2017, among youth aged 12–17 in Region 5, **13.0%** (or **523,000**) had a major depressive episode (MDE) in the past year, higher than the national average (**12.1%**).

Compared to the national average, the estimate was higher in Indiana and Wisconsin; and was similar in Illinois, Michigan, Minnesota, and Ohio.

Compared to the regional average, the estimate was higher in Wisconsin; and was similar in Illinois, Indiana, Michigan, Minnesota, and Ohio.



U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

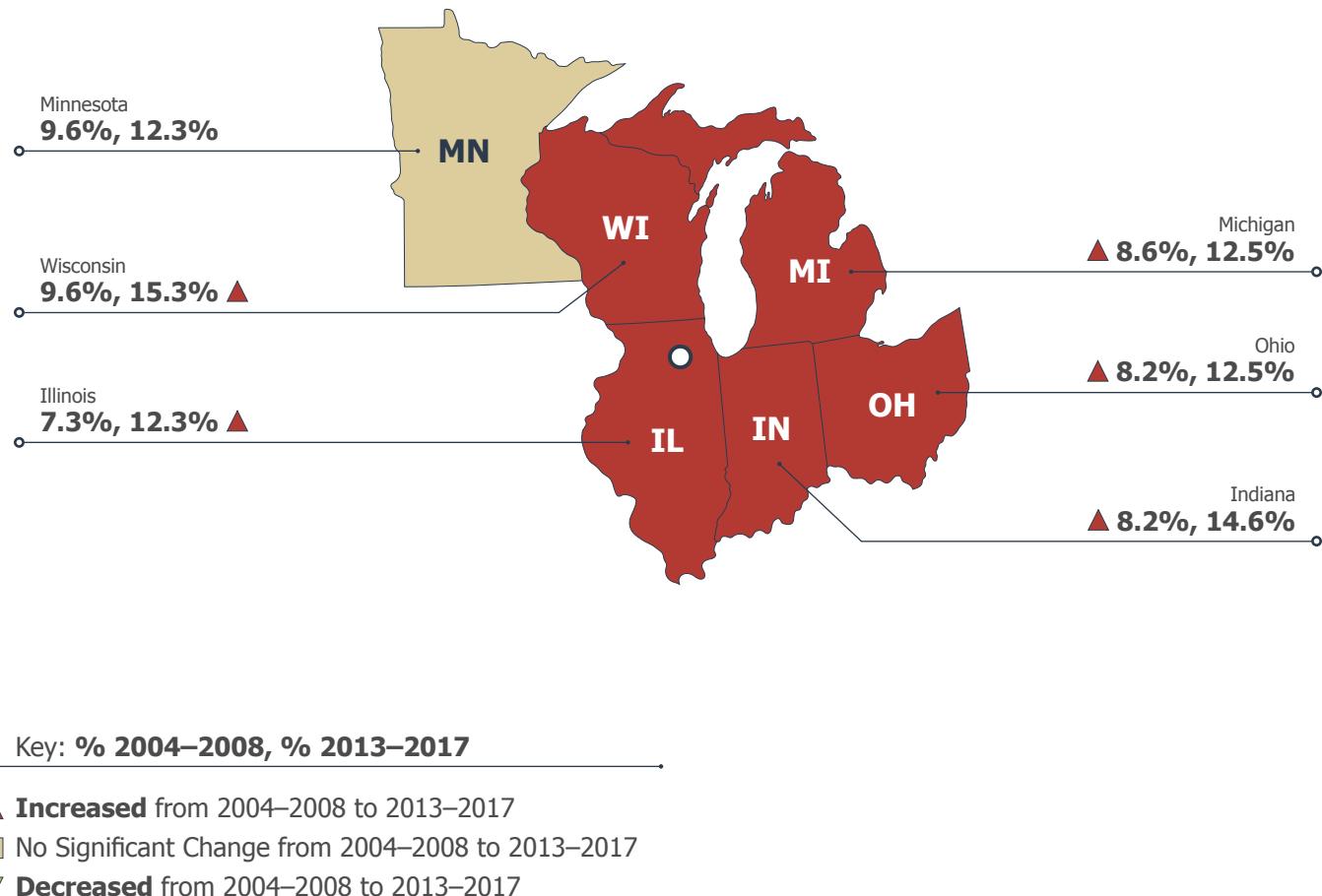
# Youth Mental Health and Service Use

## Depression



### Changes in Past-Year Major Depressive Episode (MDE) among Youth Aged 12–17 in Region 5 (Annual Averages, 2004–2008 and 2013–2017)<sup>1,2</sup>

Among youth aged 12–17 in Region 5, the annual average percentage with a major depressive episode (MDE) in the past year increased between 2004–2008 (8.4%) and 2013–2017 (13.0%). The percentage increased in Illinois, Indiana, Michigan, Ohio, and Wisconsin.

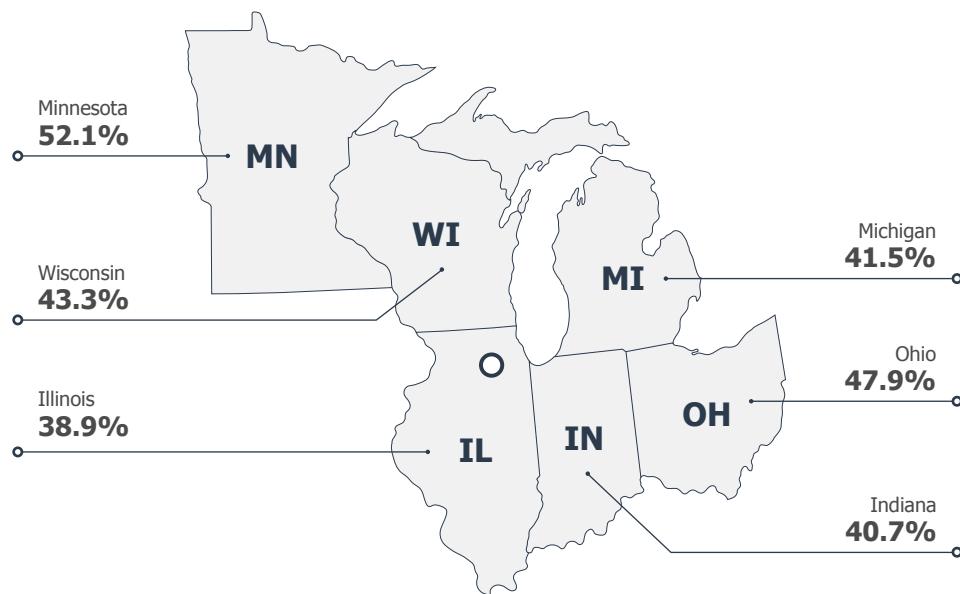


# Youth Mental Health and Service Use

## Depression Care



### Past-Year Depression Care among Youth Aged 12–17 with Major Depressive Episode (MDE) in Region 5 (Annual Averages, 2013–2017)<sup>1,3</sup>

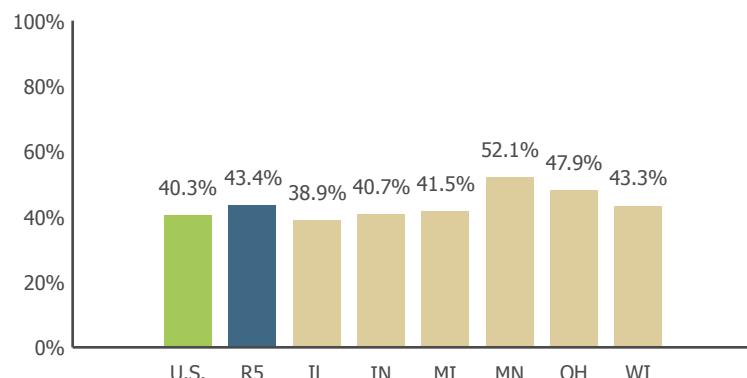


Key: % 2013–2017

During 2013–2017, among youth aged 12–17 in Region 5, **43.4%** (or **226,000**) received depression care in the past year, higher than the national average (**40.3%**).

Compared to the national average, the estimate was higher in Minnesota and Ohio; and was similar in Illinois, Indiana, Michigan, and Wisconsin.

Compared to the regional average, the estimate was similar in every state in Region 5.



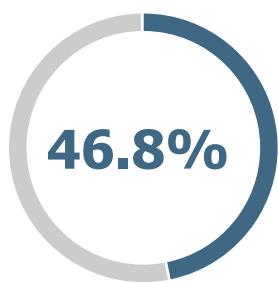
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# Young Adult Substance Use and Use Disorders

## Tobacco Use



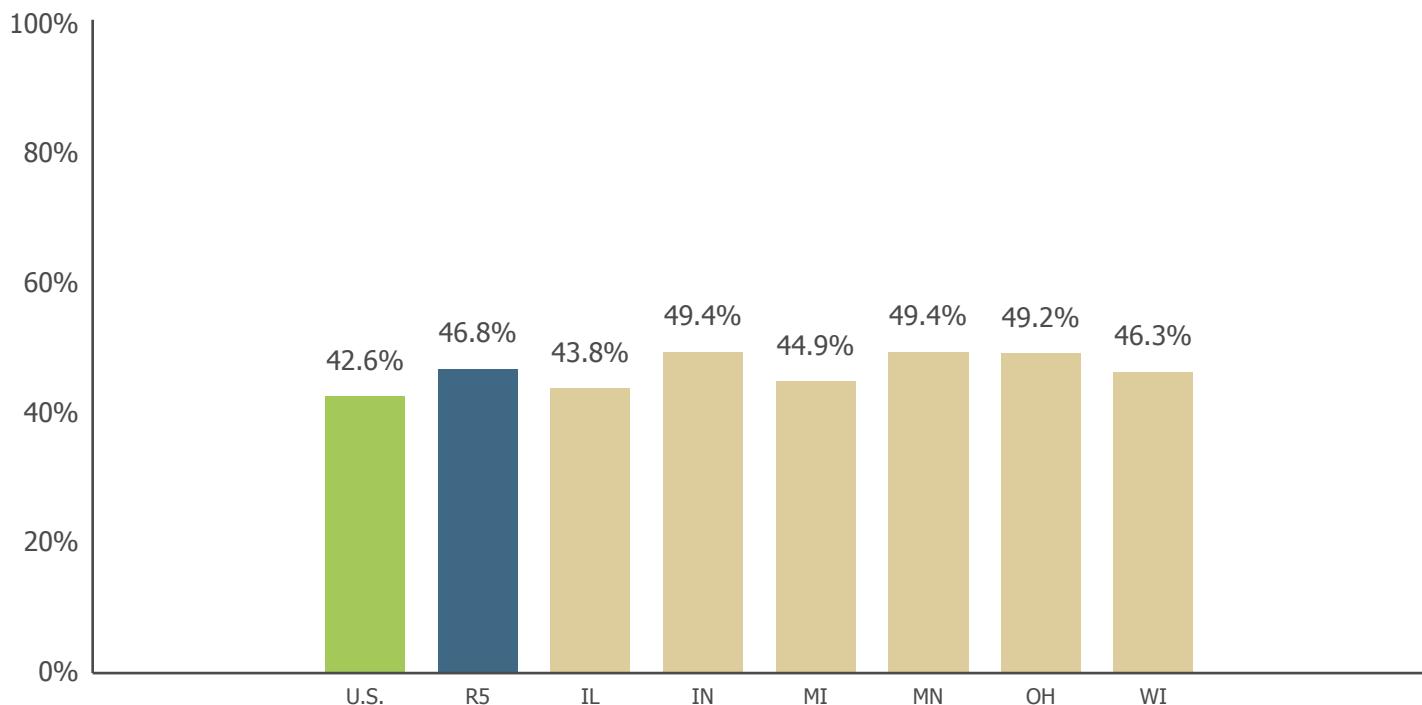
### Past-Year Tobacco Use among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2014–2017)<sup>1</sup>



During 2014–2017, among young adults aged 18–25 in Region 5, **46.8%** (or **2.6 million**) used tobacco in the past year, higher than the national average (42.6%).

Compared to the national average, the estimate was higher in Indiana, Michigan, Minnesota, Ohio, and Wisconsin; and was similar in Illinois.

Compared to the regional average, the estimate was higher in Ohio; was lower in Illinois; and was similar in Indiana, Michigan, Minnesota, and Wisconsin.



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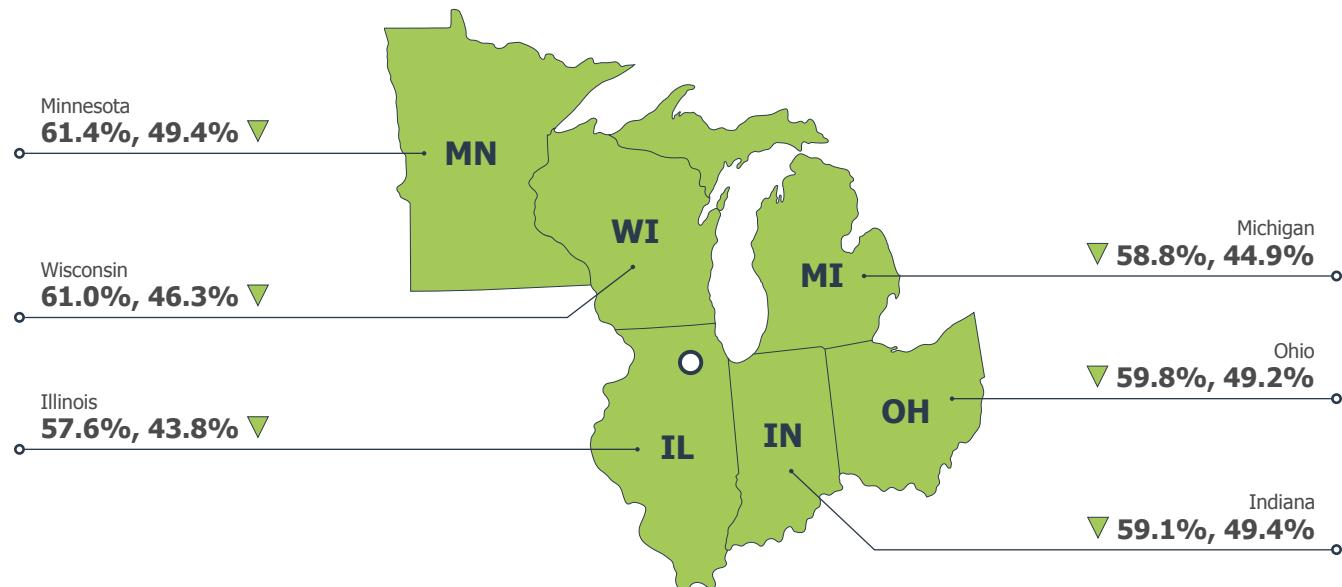
# Young Adult Substance Use and Use Disorders

## Tobacco Use



### Changes in Past-Year Tobacco Use among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2002–2005 and 2014–2017)<sup>1</sup>

Among young adults aged 18–25 in Region 5, the annual average percentage of tobacco use in the past year decreased between 2002–2005 (59.3%) and 2014–2017 (46.8%). The percentage decreased in every state in Region 5.



Key: % 2002–2005, % 2014–2017

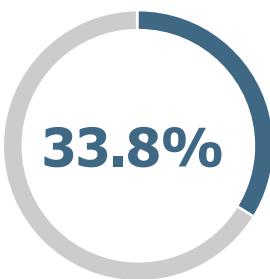
- ▲ Increased from 2002–2005 to 2014–2017
- No Significant Change from 2002–2005 to 2014–2017
- ▼ Decreased from 2002–2005 to 2014–2017

# Young Adult Substance Use and Use Disorders

## Marijuana Use



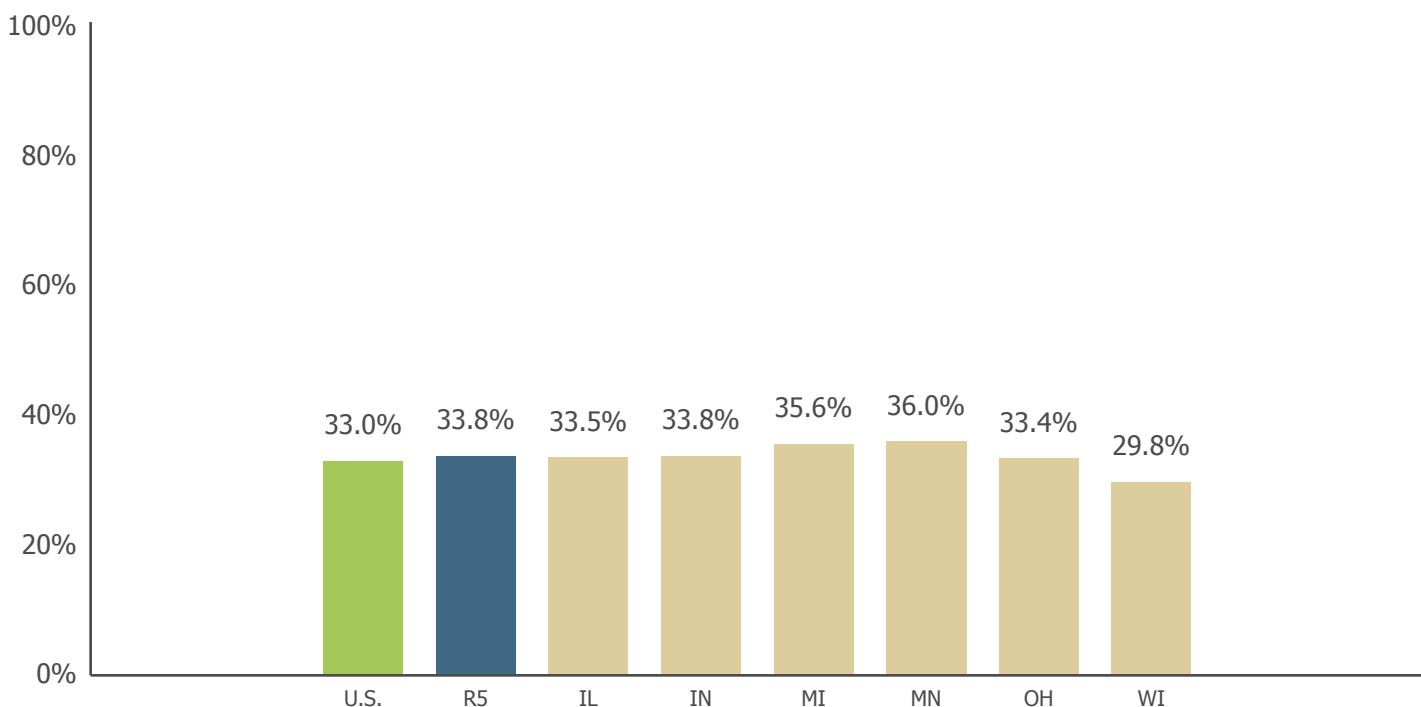
### Past-Year Marijuana Use among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2014–2017)<sup>1</sup>



During 2014–2017, among young adults aged 18–25 in Region 5, **33.8%** (or **1.9 million**) used marijuana in the past year, similar to the national average (**33.0%**).

Compared to the national average, the estimate was higher in Michigan; and was similar in Illinois, Indiana, Minnesota, Ohio, and Wisconsin.

Compared to the regional average, the estimate was similar in every state in Region 5.



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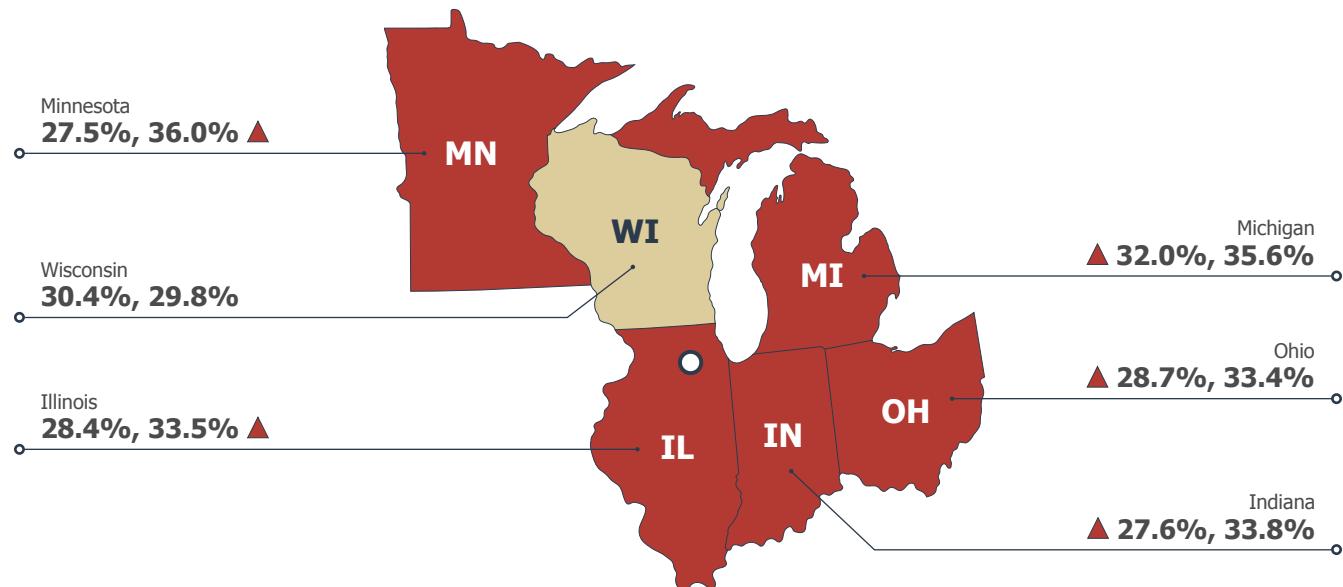
# Young Adult Substance Use and Use Disorders

## Marijuana Use



### Changes in Past-Year Marijuana Use among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2002–2005 and 2014–2017)<sup>1</sup>

Among young adults aged 18–25 in Region 5, the annual average percentage of marijuana use in the past year increased between 2002–2005 (29.2%) and 2014–2017 (33.8%). The percentage increased in Illinois, Indiana, Michigan, Minnesota, and Ohio.



Key: % 2002–2005, % 2014–2017

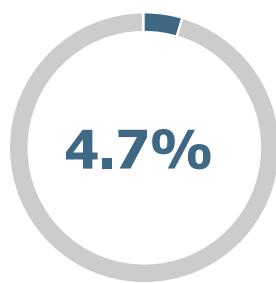
- ▲ Increased from 2002–2005 to 2014–2017
- No Significant Change from 2002–2005 to 2014–2017
- ▼ Decreased from 2002–2005 to 2014–2017

# Young Adult Substance Use and Use Disorders

## Marijuana Use Disorder



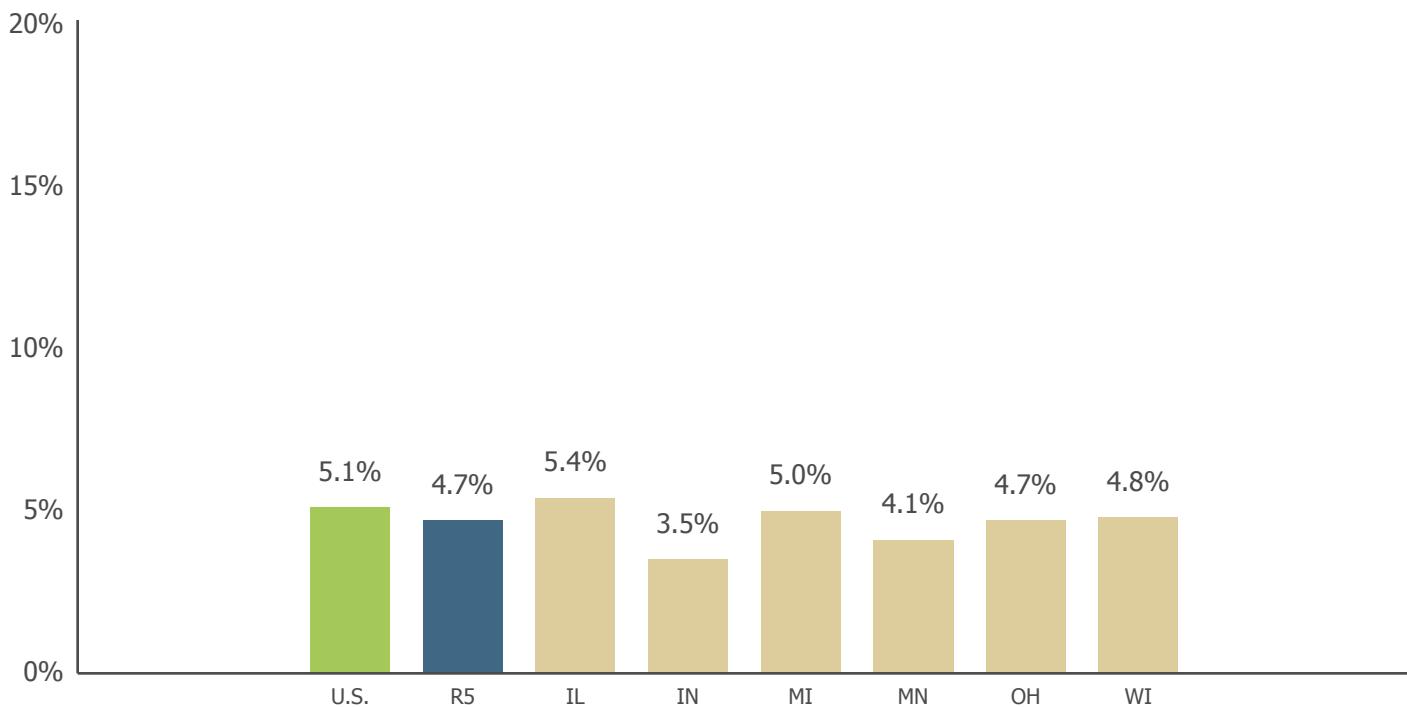
### Past-Year Marijuana Use Disorder among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2014–2017)<sup>1</sup>



During 2014–2017, among young adults aged 18–25 in Region 5, **4.7%** (or **266,000**) had marijuana use disorder in the past year, similar to the national average (**5.1%**).

Compared to the national average, the estimate was lower in Indiana; and was similar in Illinois, Michigan, Minnesota, Ohio, and Wisconsin.

Compared to the regional average, the estimate was similar in every state in Region 5.



U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

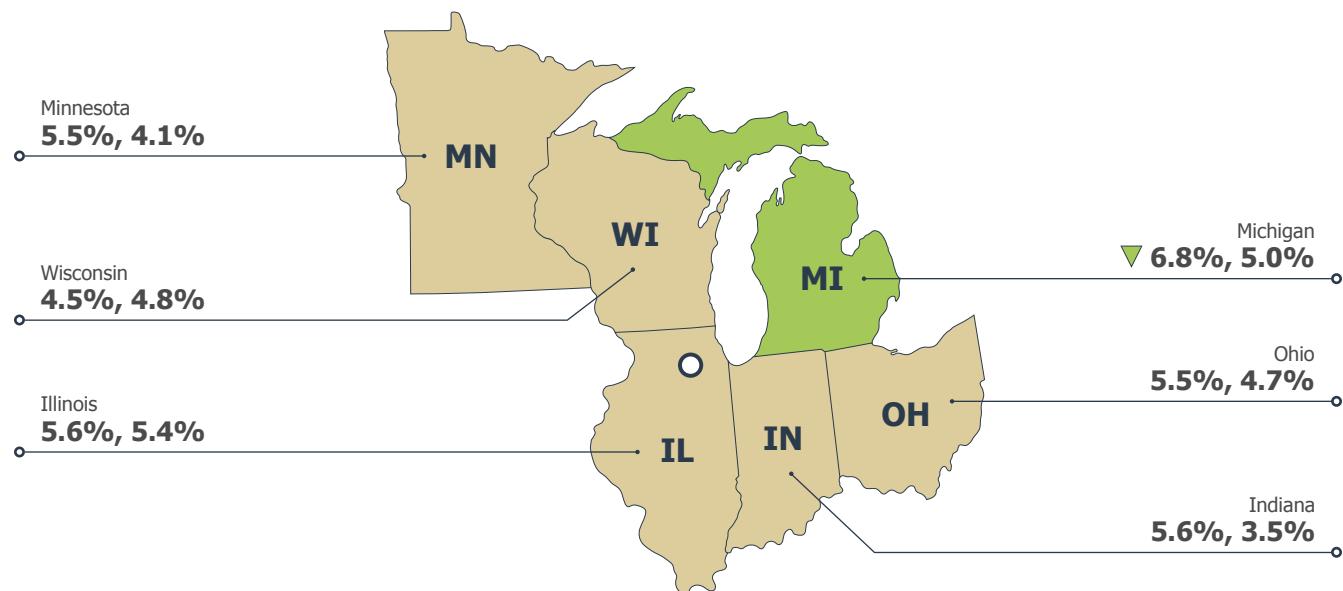
# Young Adult Substance Use and Use Disorders

## Marijuana Use Disorder



### Changes in Past-Year Marijuana Use Disorder among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2002–2005 and 2014–2017)<sup>1</sup>

Among young adults aged 18–25 in Region 5, the annual average percentage of marijuana use disorder in the past year decreased between 2002–2005 (5.7%) and 2014–2017 (4.7%). The percentage decreased in Michigan.



Key: % 2002–2005, % 2014–2017

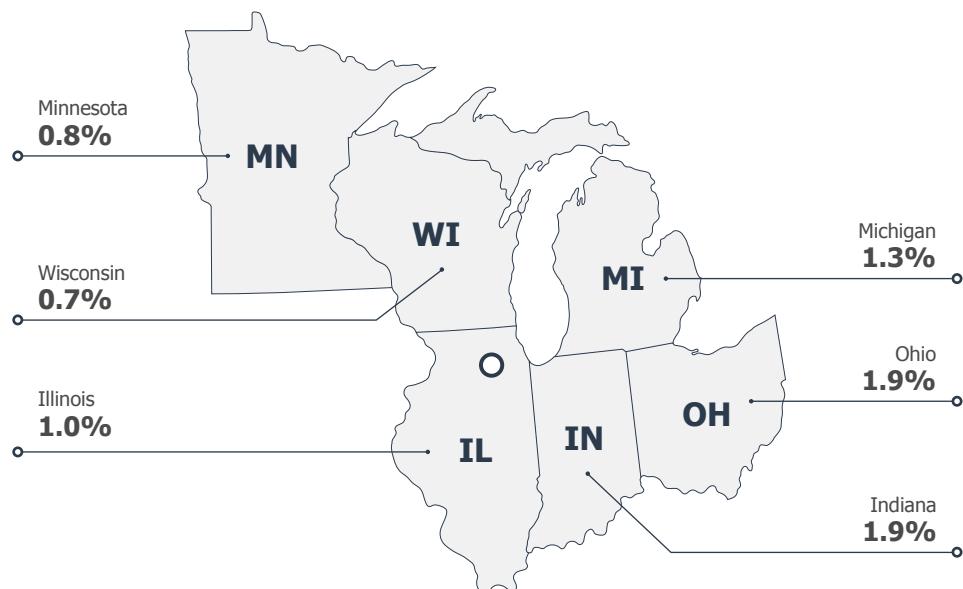
- ▲ **Increased** from 2002–2005 to 2014–2017
- No Significant Change from 2002–2005 to 2014–2017
- ▼ **Decreased** from 2002–2005 to 2014–2017

# Young Adult Substance Use and Use Disorders

## Opioid Use Disorder



### Past-Year Opioid Use Disorder among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2015–2017)<sup>1</sup>

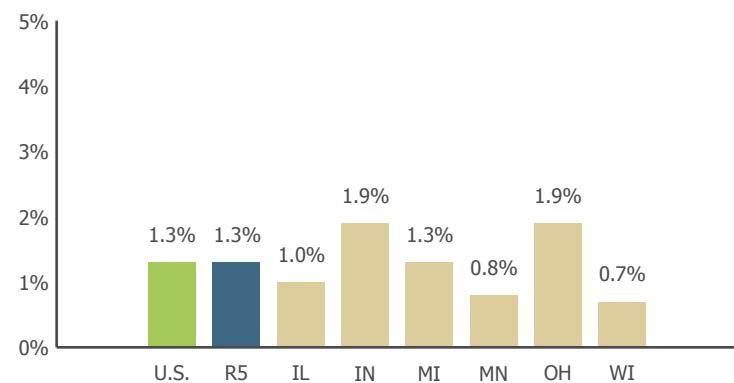


Key: % 2015–2017

During 2015–2017, among young adults aged 18–25 in Region 5, **1.3%** (or **75,000**) had opioid use disorder in the past year, similar to the national average (**1.3%**).

Compared to the national average, the estimate was lower in Wisconsin; and was similar in Illinois, Indiana, Michigan, Minnesota, and Ohio.

Compared to the regional average, the estimate was lower in Wisconsin; and was similar in Illinois, Indiana, Michigan, Minnesota, and Ohio.



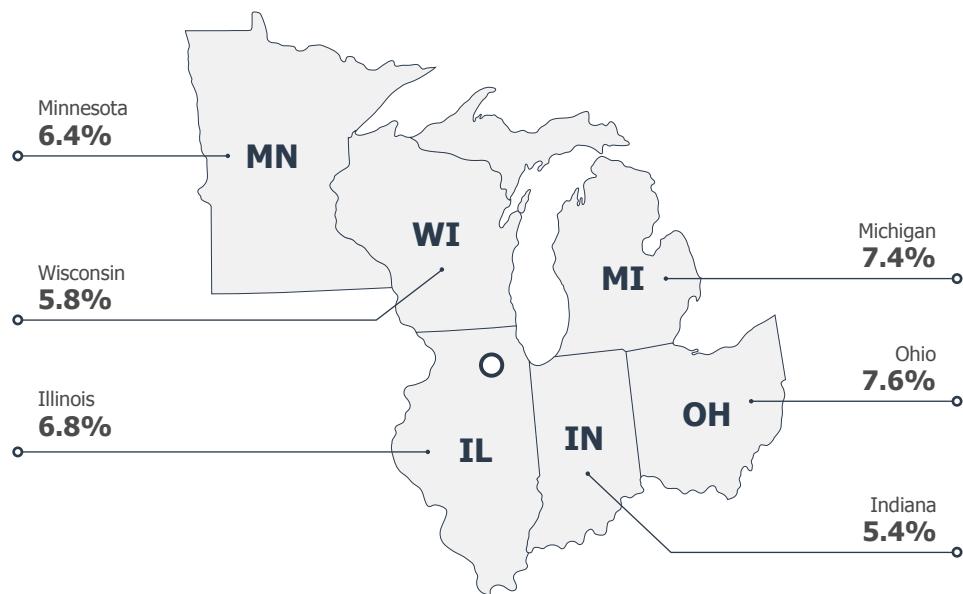
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# Young Adult Substance Use and Use Disorders

## Illicit Drug Use Disorder



### Past-Year Illicit Drug Use Disorder among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2015–2017)<sup>1</sup>

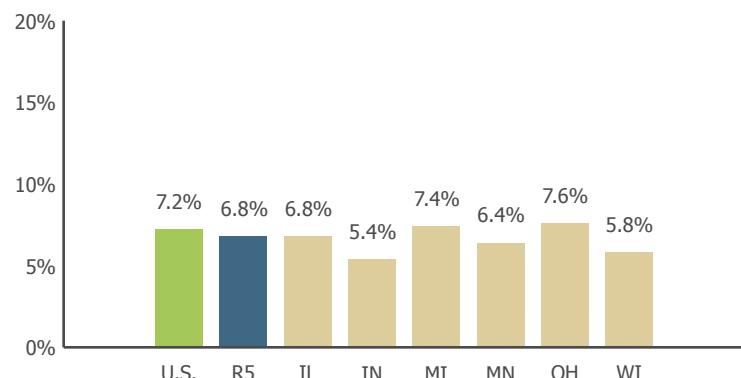


Key: % 2015–2017

During 2015–2017, among young adults aged 18–25 in Region 5, **6.8%** (or **381,000**) had illicit drug use disorder in the past year, similar to the national average (**7.2%**).

Compared to the national average, the estimate was lower in Wisconsin; and was similar in Illinois, Indiana, Michigan, Minnesota, and Ohio.

Compared to the regional average, the estimate was similar in every state in Region 5.



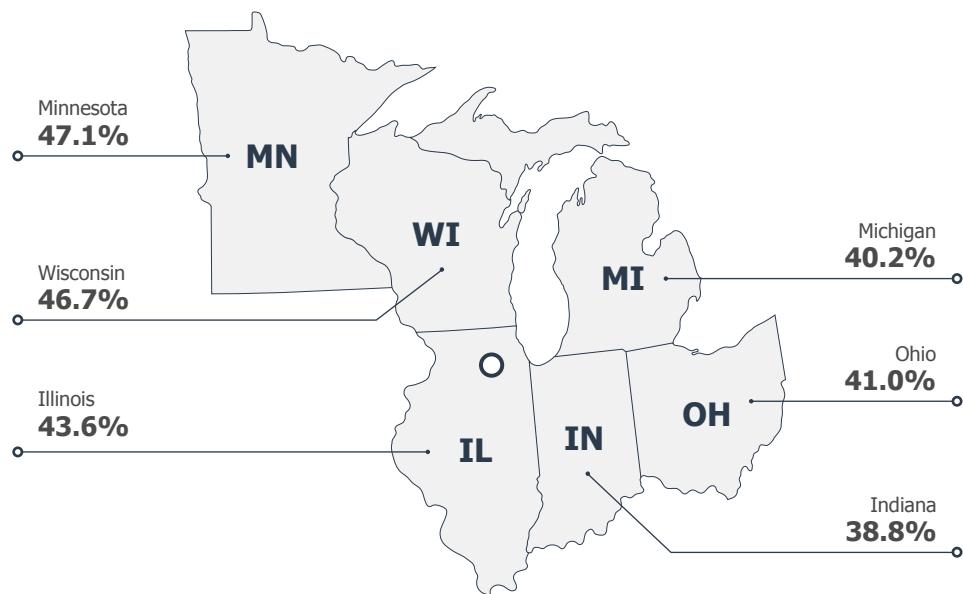
U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

# Young Adult Substance Use and Use Disorders

## Binge Alcohol Use



### Past-Month Binge Alcohol Use among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2015–2017)<sup>1,4</sup>

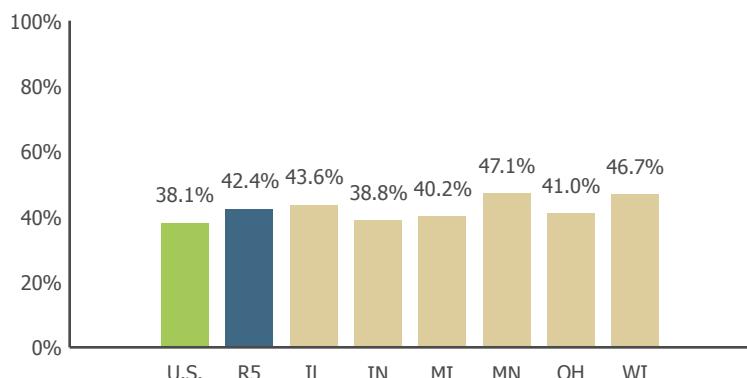


Key: % 2015–2017

During 2015–2017, among young adults aged 18–25 in Region 5, **42.4%** (or **2.4 million**) reported binge alcohol use in the past month, higher than the national average (**38.1%**).

Compared to the national average, the estimate was higher in Illinois, Minnesota, and Wisconsin; and was similar in Indiana, Michigan, and Ohio.

Compared to the regional average, the estimate was higher in Minnesota and Wisconsin; was lower in Indiana; and was similar in Illinois, Michigan, and Ohio.



U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

# Young Adult Substance Use and Use Disorders

## Alcohol Use Disorder



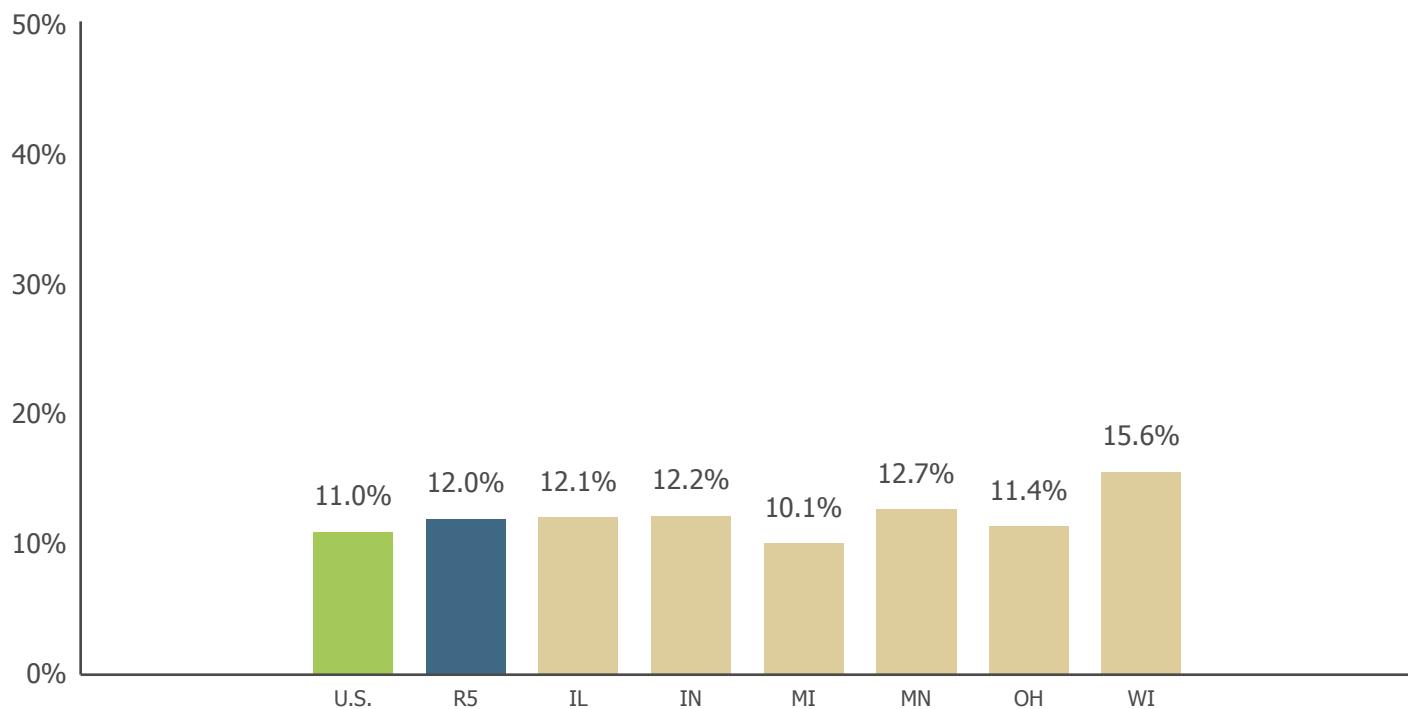
### Past-Year Alcohol Use Disorder among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2014–2017)<sup>1</sup>



During 2014–2017, among young adults aged 18–25 in Region 5, **12.0%** (or **678,000**) had alcohol use disorder in the past year, higher than the national average (**11.0%**).

Compared to the national average, the estimate was higher in Wisconsin; and was similar in Illinois, Indiana, Michigan, Minnesota, and Ohio.

Compared to the regional average, the estimate was higher in Wisconsin; was lower in Michigan; and was similar in Illinois, Indiana, Minnesota, and Ohio.



U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

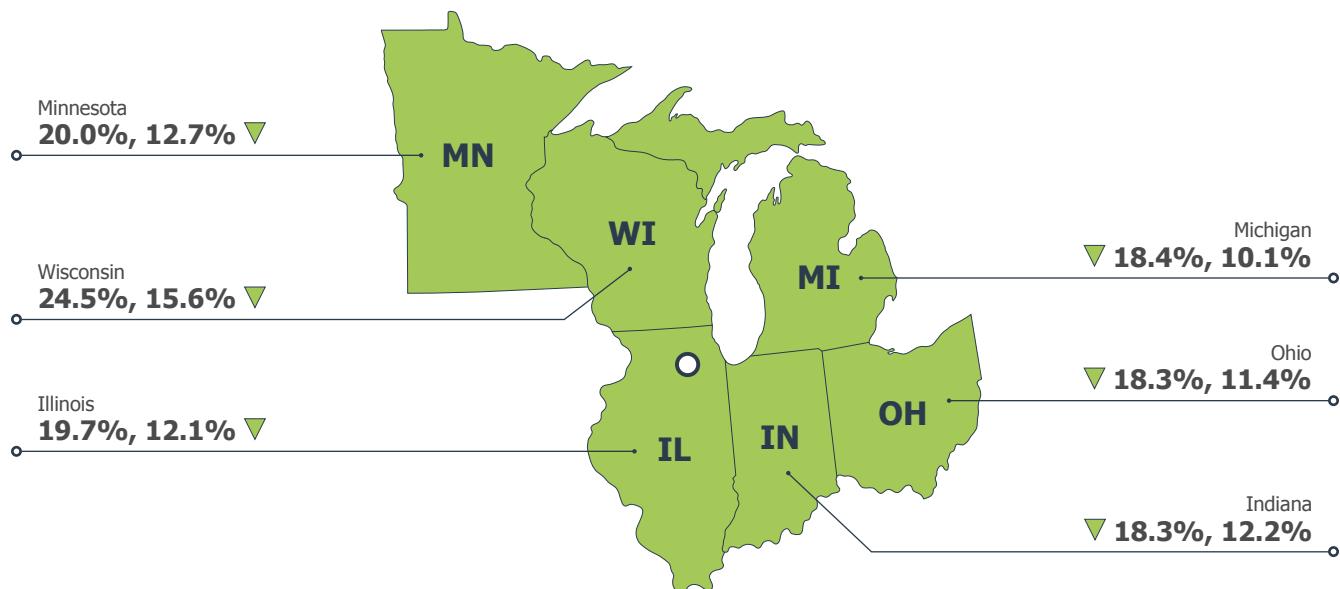
# Young Adult Substance Use and Use Disorders

## Alcohol Use Disorder



### Changes in Past-Year Alcohol Use Disorder among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2002–2005 and 2014–2017)<sup>1</sup>

Among young adults aged 18–25 in Region 5, the annual average percentage of alcohol use disorder in the past year decreased between 2002–2005 (**19.6%**) and 2014–2017 (**12.0%**). The percentage decreased in every state in Region 5.



Key: % 2002–2005, % 2014–2017

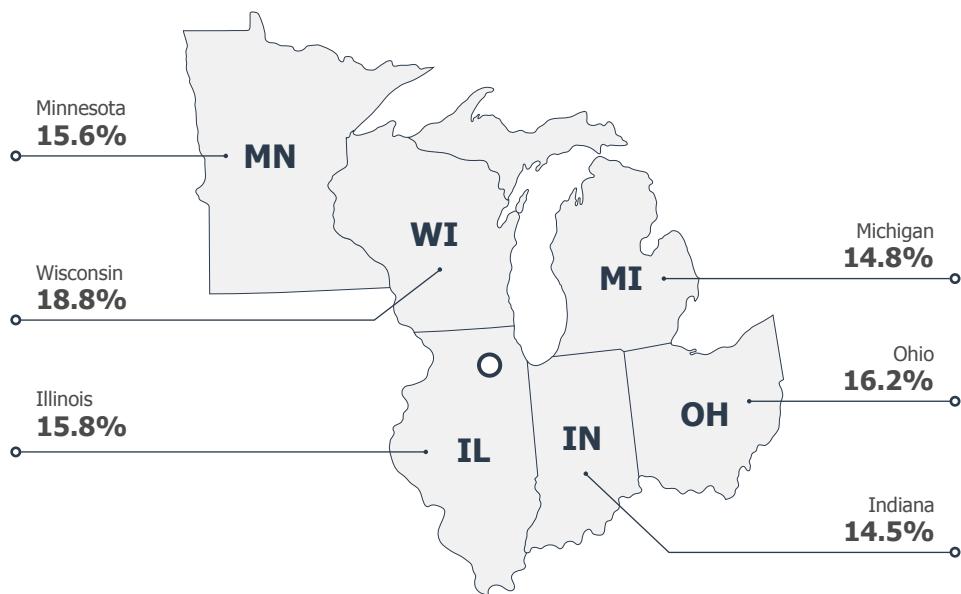
- ▲ **Increased** from 2002–2005 to 2014–2017
- **No Significant Change** from 2002–2005 to 2014–2017
- ▼ **Decreased** from 2002–2005 to 2014–2017

# Young Adult Substance Use and Use Disorders

## Substance Use Disorder



### Past-Year Substance Use Disorder among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2015–2017)<sup>1</sup>

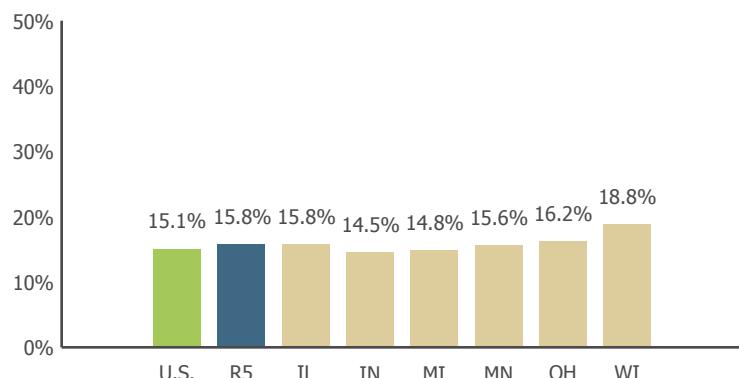


Key: % 2015–2017

During 2015–2017, among young adults aged 18–25 in Region 5, **15.8%** (or **890,000**) had a substance use disorder in the past year, similar to the national average (**15.1%**).

Compared to the national average, the estimate was higher in Wisconsin; and was similar in Illinois, Indiana, Michigan, Minnesota, and Ohio.

Compared to the regional average, the estimate was higher in Wisconsin; and was similar in Illinois, Indiana, Michigan, Minnesota, and Ohio.



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# Young Adult Mental Health

## Serious Thoughts of Suicide



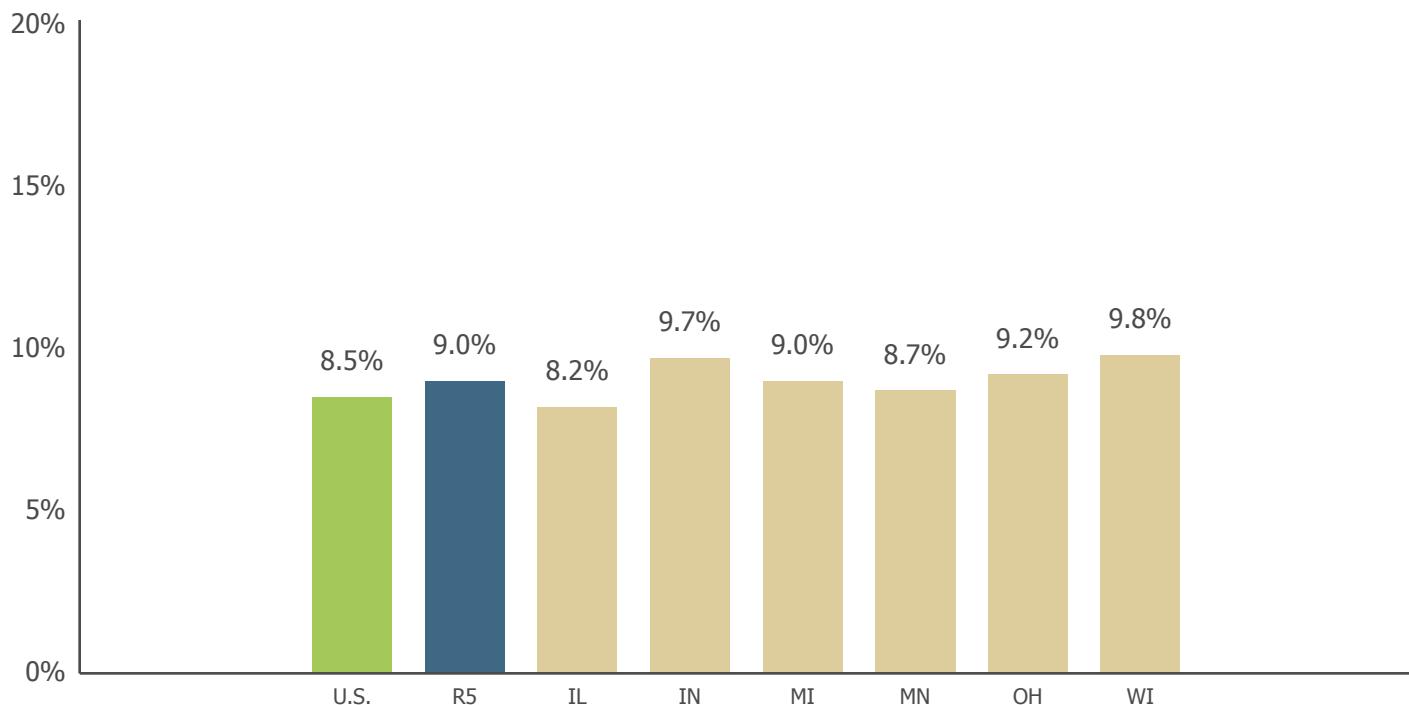
### Past-Year Serious Thoughts of Suicide among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2013–2017)<sup>1,5</sup>



During 2013–2017, among young adults aged 18–25 in Region 5, **9.0%** (or **504,000**) had serious thoughts of suicide in the past year, similar to the national average (**8.5%**).

Compared to the national average, the estimate was similar in every state in Region 5.

Compared to the regional average, the estimate was similar in every state in Region 5.



U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

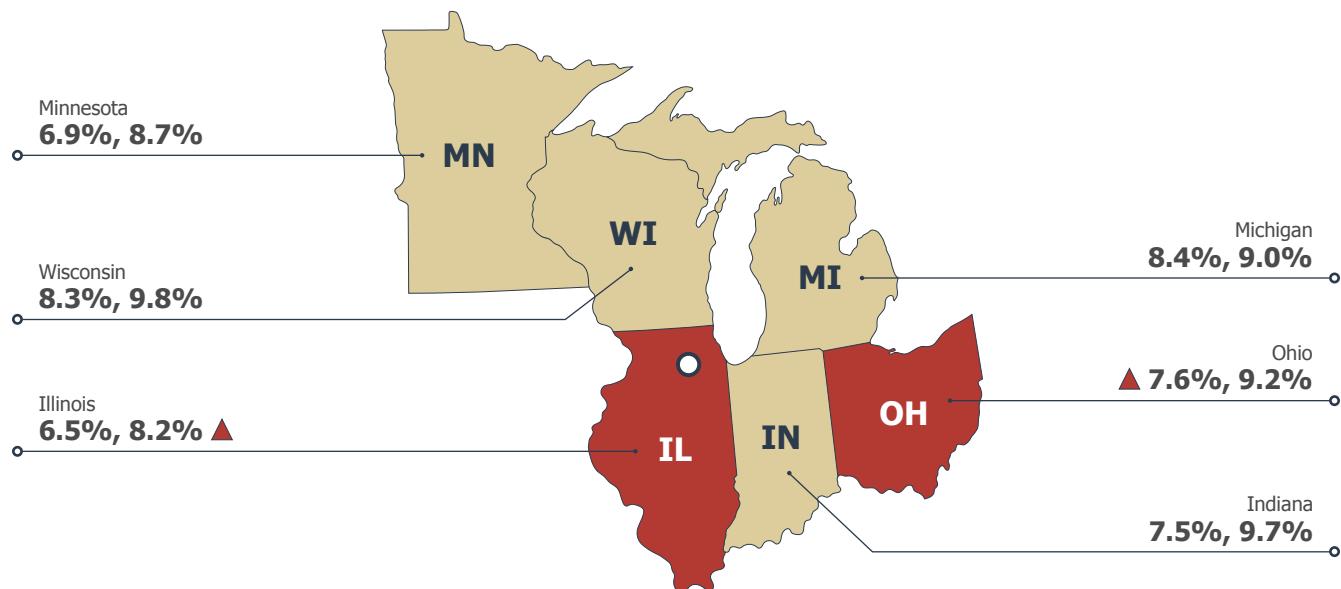
# Young Adult Mental Health

## Serious Thoughts of Suicide



### Changes in Past-Year Serious Thoughts of Suicide among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2008–2012 and 2013–2017)<sup>1,5</sup>

Among young adults aged 18–25 in Region 5, the annual average percentage with serious thoughts of suicide in the past year increased between 2008–2012 (**7.4%**) and 2013–2017 (**9.0%**). The percentage increased in Illinois and Ohio.



Key: % 2008–2012, % 2013–2017

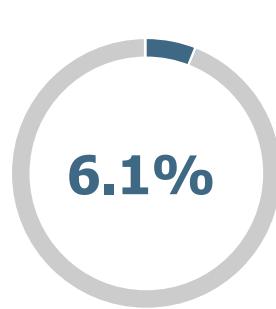
- ▲ **Increased** from 2008–2012 to 2013–2017
- █ **No Significant Change** from 2008–2012 to 2013–2017
- ▼ **Decreased** from 2008–2012 to 2013–2017

# Young Adult Mental Health

## Serious Mental Illness



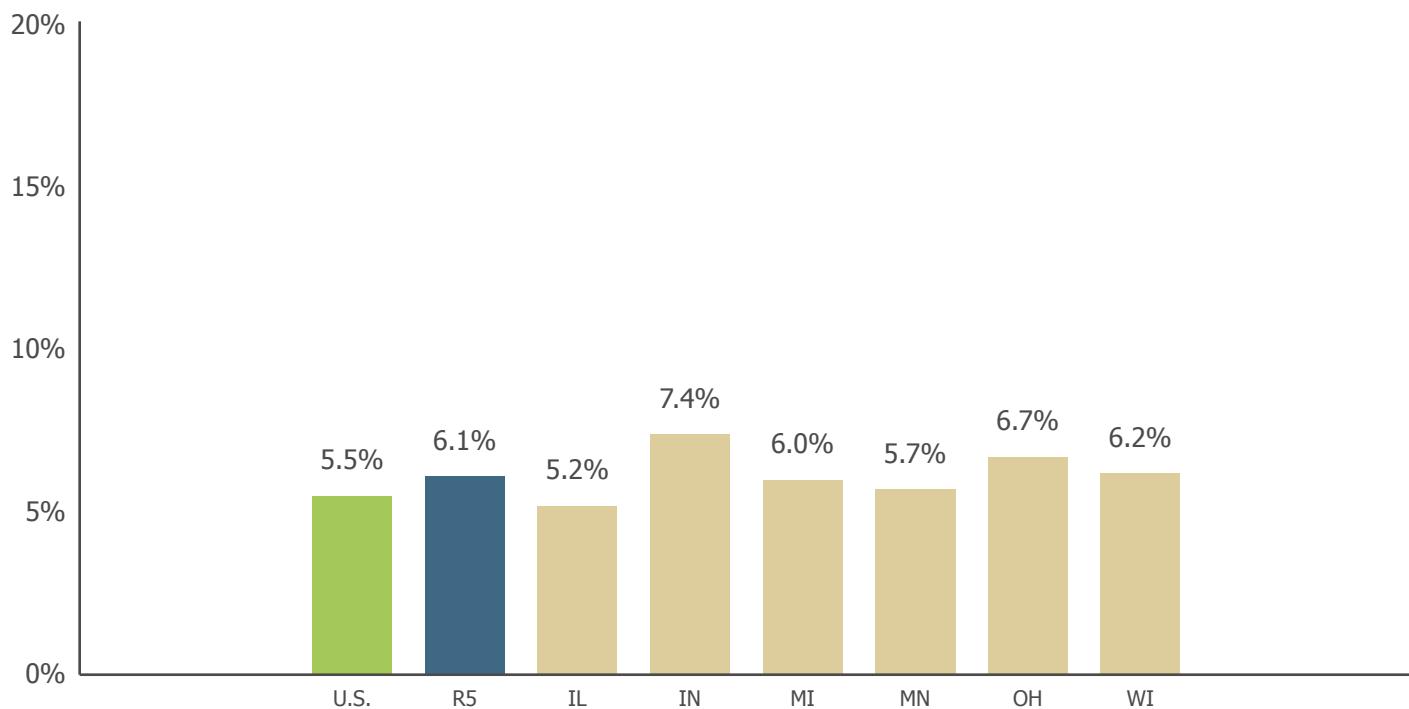
### Past-Year Serious Mental Illness (SMI) among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2013–2017)<sup>1,6</sup>



During 2013–2017, among young adults aged 18–25 in Region 5, **6.1%** (or **346,000**) had a serious mental illness in the past year, higher than the national average (**5.5%**).

Compared to the national average, the estimate was higher in Indiana and Ohio; and was similar in Illinois, Michigan, Minnesota, and Wisconsin.

Compared to the regional average, the estimate was lower in Illinois; and was similar in Indiana, Michigan, Minnesota, Ohio, and Wisconsin.



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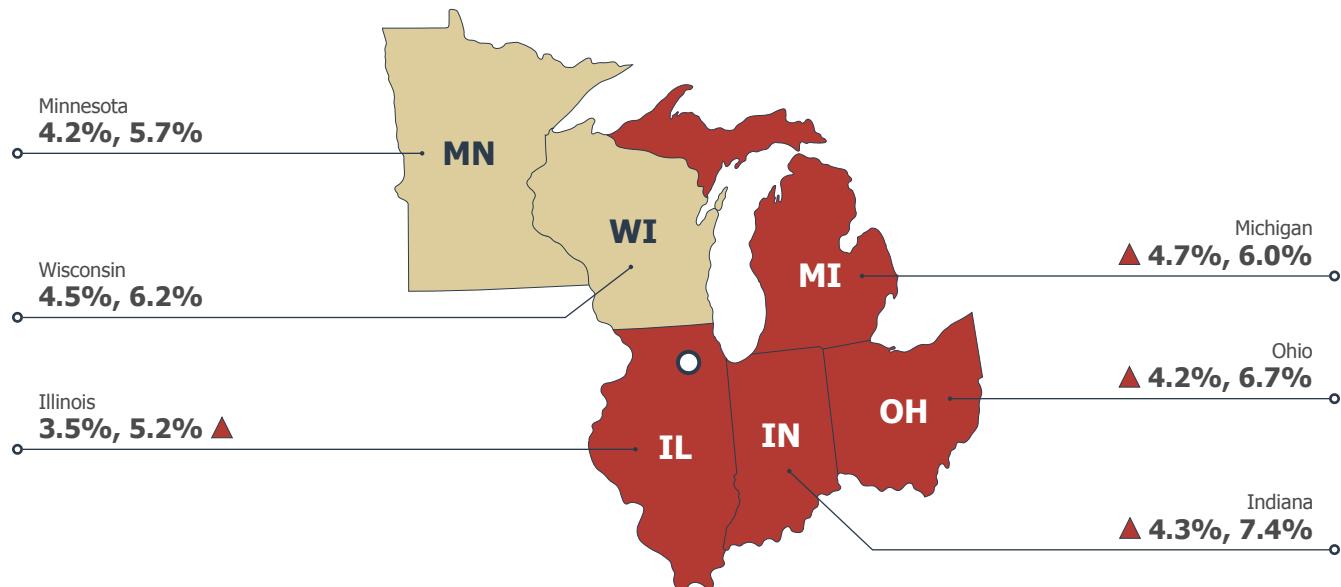
# Young Adult Mental Health

## Serious Mental Illness



### Changes in Past-Year Serious Mental Illness (SMI) among Young Adults Aged 18–25 in Region 5 (Annual Averages, 2008–2012 and 2013–2017)<sup>1,6</sup>

Among young adults aged 18–25 in Region 5, the annual average percentage with a serious mental illness (SMI) in the past year increased between 2008–2012 (4.2%) and 2013–2017 (6.1%). The percentage increased in Illinois, Indiana, Michigan, and Ohio.



Key: % 2008–2012, % 2013–2017

- ▲ **Increased** from 2008–2012 to 2013–2017
- █ **No Significant Change** from 2008–2012 to 2013–2017
- ▼ **Decreased** from 2008–2012 to 2013–2017

# Substance Use, Misuse, and Use Disorders

## Tobacco Use



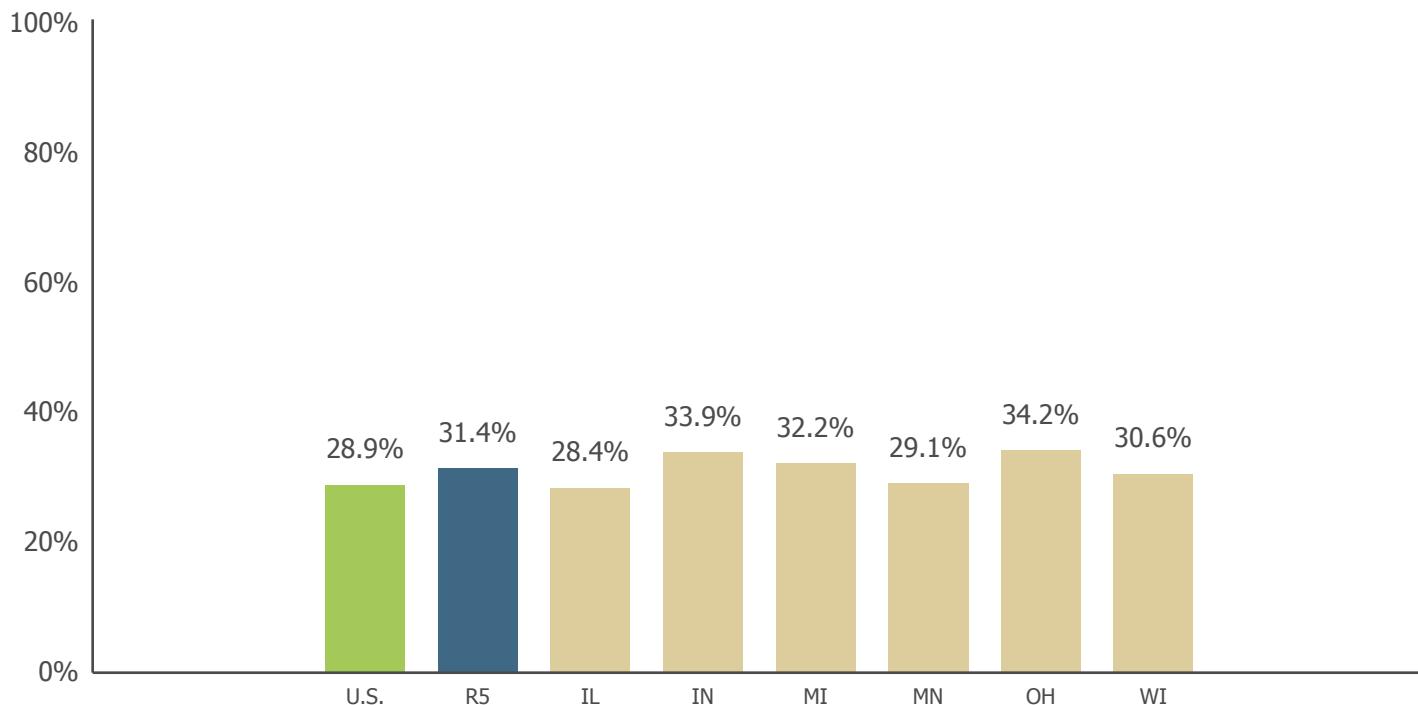
### Past-Year Tobacco Use among People Aged 12 or Older in Region 5 (Annual Averages, 2014–2017)<sup>1</sup>



During 2014–2017, among people aged 12 or older in Region 5, **31.4%** (or **13.8 million**) used tobacco in the past year, higher than the national average (**28.9%**).

Compared to the national average, the estimate was higher in Indiana, Michigan, and Ohio; and was similar in Illinois, Minnesota, and Wisconsin.

Compared to the regional average, the estimate was higher in Indiana and Ohio; was lower in Illinois and Minnesota; and was similar in Michigan and Wisconsin.



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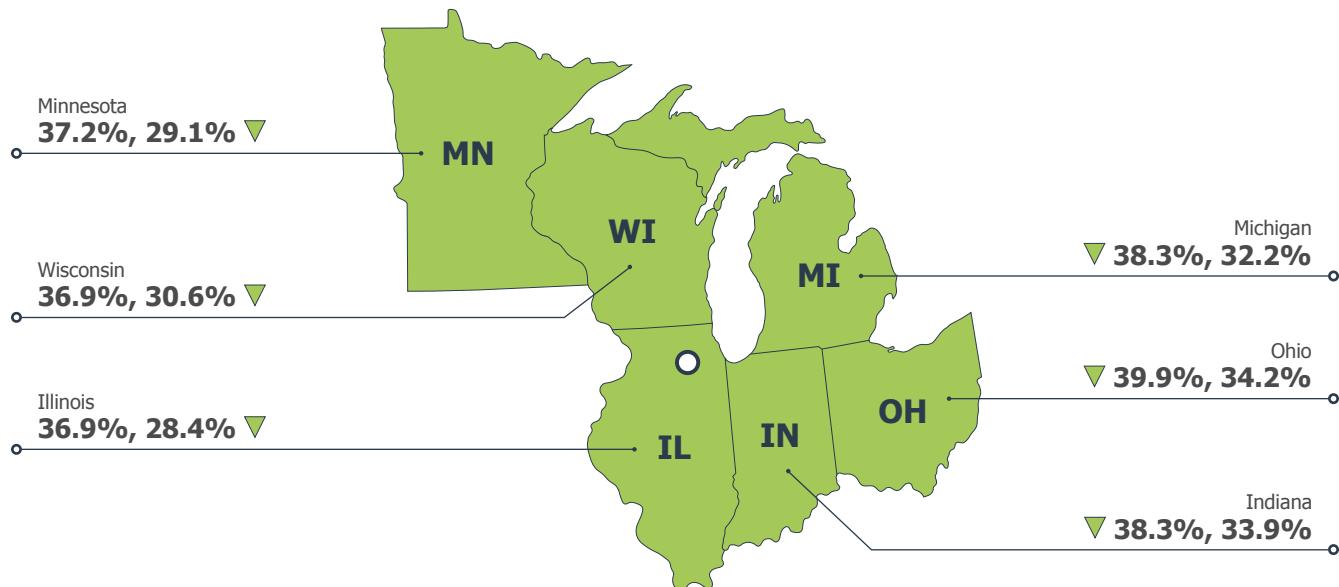
# Substance Use, Misuse, and Use Disorders

## Tobacco Use



### Changes in Past-Year Tobacco Use among People Aged 12 or Older in Region 5 (Annual Averages, 2002–2005 and 2014–2017)<sup>1</sup>

Among people aged 12 or older in Region 5, the annual average percentage of tobacco use in the past year decreased between 2002–2005 (38.1%) and 2014–2017 (31.4%). The percentage decreased in every state in Region 5.



Key: % 2002–2005, % 2014–2017

- ▲ Increased from 2002–2005 to 2014–2017
- No Significant Change from 2002–2005 to 2014–2017
- ▼ Decreased from 2002–2005 to 2014–2017

# Substance Use, Misuse, and Use Disorders

## Marijuana Use



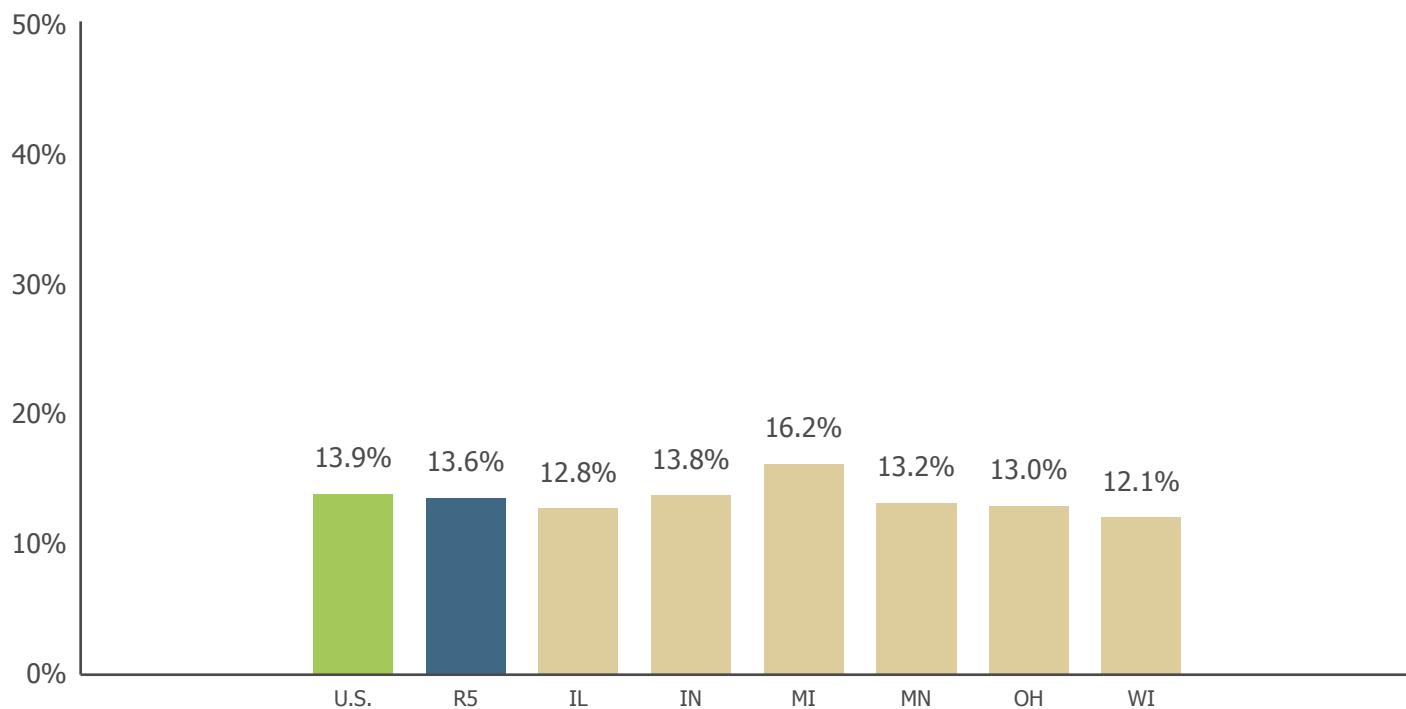
### Past-Year Marijuana Use among People Aged 12 or Older in Region 5 (Annual Averages, 2014–2017)<sup>1</sup>



During 2014–2017, among people aged 12 or older in Region 5, **13.6%** (or **6.0 million**) used marijuana in the past year, similar to the national average (**13.9%**).

Compared to the national average, the estimate was higher in Michigan; was lower in Illinois and Wisconsin; and was similar in Indiana, Minnesota, and Ohio.

Compared to the regional average, the estimate was higher in Michigan; was lower in Illinois and Wisconsin; and was similar in Indiana, Minnesota, and Ohio.



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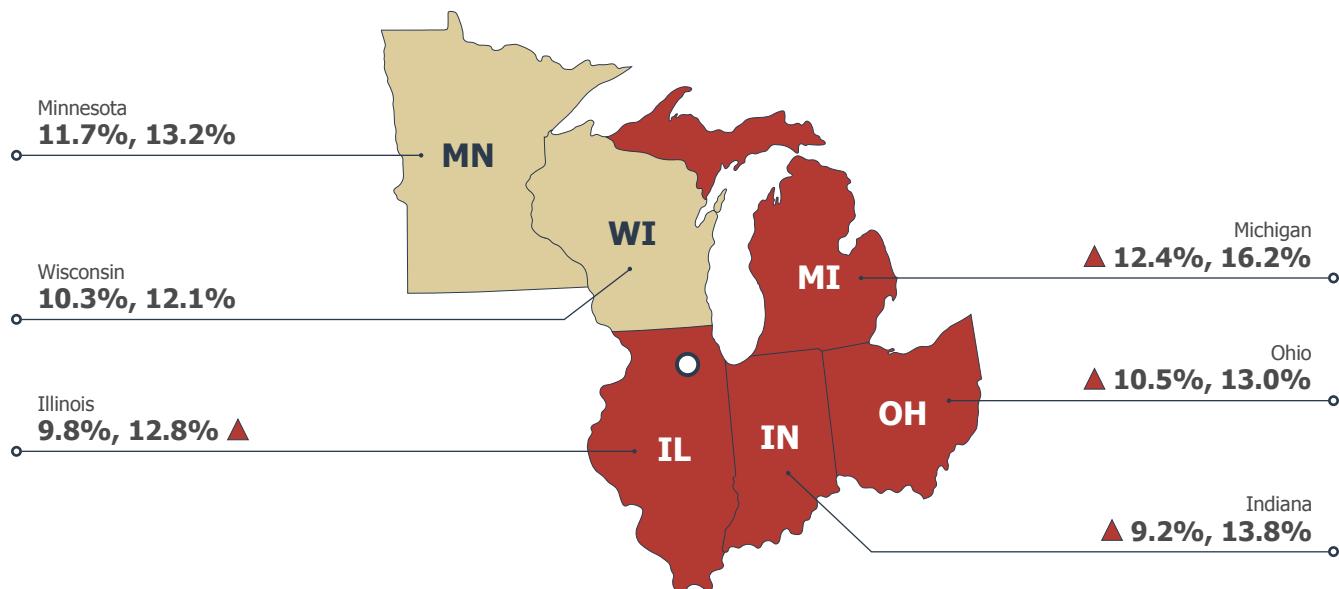
# Substance Use, Misuse, and Use Disorders

## Marijuana Use



### Changes in Past-Year Marijuana Use among People Aged 12 or Older in Region 5 (Annual Averages, 2002–2005 and 2014–2017)<sup>1</sup>

Among people aged 12 or older in Region 5, the annual average percentage of marijuana use in the past year increased between 2002–2005 (**10.6%**) and 2014–2017 (**13.6%**). The percentage increased in Illinois, Indiana, Michigan, and Ohio.



Key: % 2002–2005, % 2014–2017

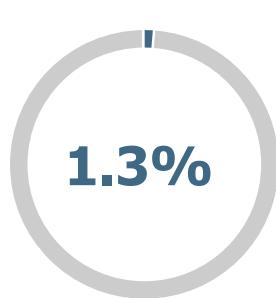
- ▲ **Increased** from 2002–2005 to 2014–2017
- **No Significant Change** from 2002–2005 to 2014–2017
- ▼ **Decreased** from 2002–2005 to 2014–2017

# Substance Use, Misuse, and Use Disorders

## Marijuana Use Disorder



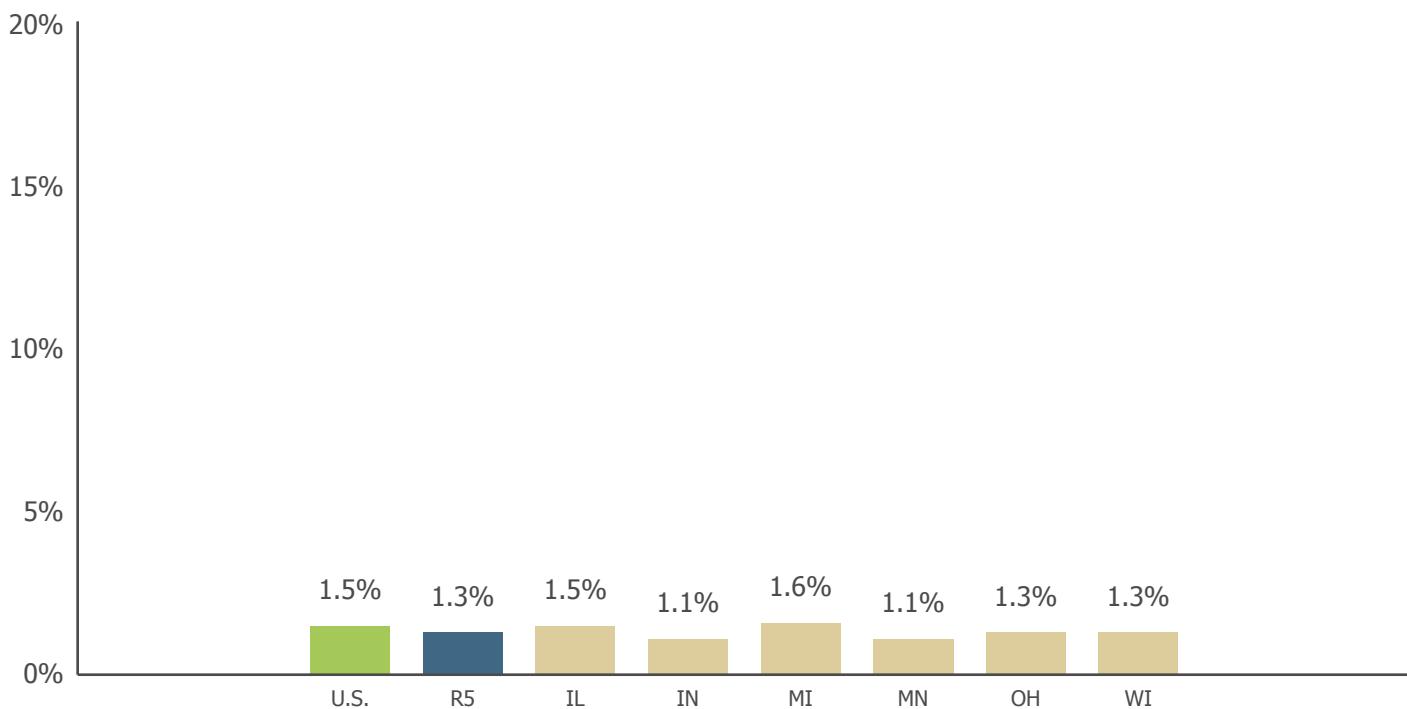
### Past-Year Marijuana Use Disorder among People Aged 12 or Older in Region 5 (Annual Averages, 2014–2017)<sup>1</sup>



During 2014–2017, among people aged 12 or older in Region 5, **1.3%** (or **591,000**) had marijuana use disorder in the past year, lower than the national average (**1.5%**).

Compared to the national average, the estimate was lower in Indiana, Minnesota, and Ohio; and was similar in Illinois, Michigan, and Wisconsin.

Compared to the regional average, the estimate was higher in Michigan; and was similar in Illinois, Indiana, Minnesota, Ohio, and Wisconsin.



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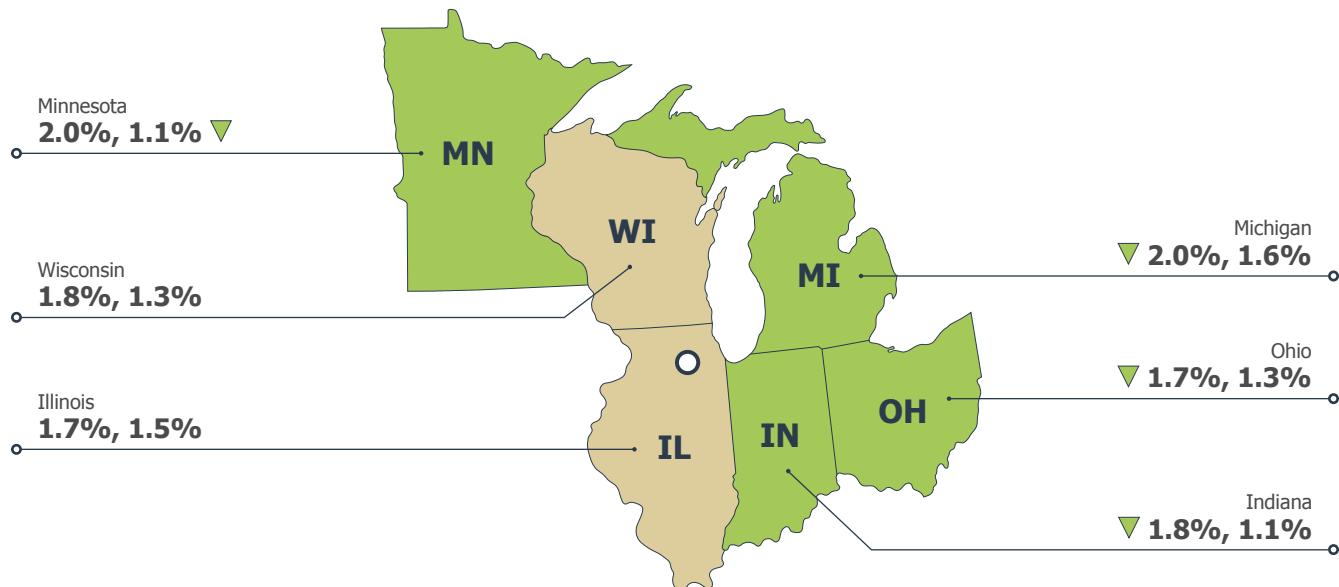
# Substance Use, Misuse, and Use Disorders

## Marijuana Use Disorder



### Changes in Past-Year Marijuana Use Disorder among People Aged 12 or Older in Region 5 (Annual Averages, 2002–2005 and 2014–2017)<sup>1</sup>

Among people aged 12 or older in Region 5, the annual average percentage of marijuana use disorder in the past year decreased between 2002–2005 (1.8%) and 2014–2017 (1.3%). The percentage decreased in Indiana, Michigan, Minnesota, and Ohio.



Key: % 2002–2005, % 2014–2017

- ▲ Increased from 2002–2005 to 2014–2017
- No Significant Change from 2002–2005 to 2014–2017
- ▼ Decreased from 2002–2005 to 2014–2017

# Substance Use, Misuse, and Use Disorders

## Heroin Use



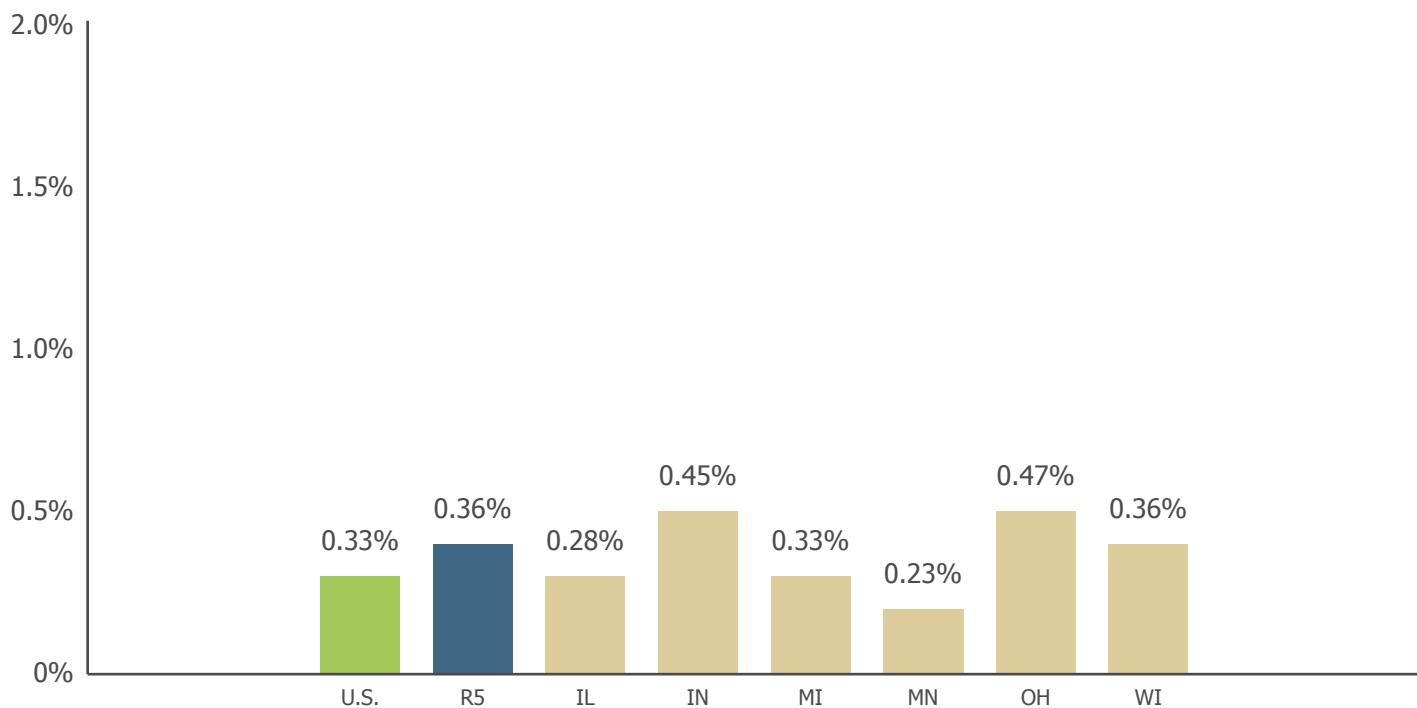
### Past-Year Heroin Use among People Aged 12 or Older in Region 5 (Annual Averages, 2014–2017)<sup>1</sup>



During 2014–2017, among people aged 12 or older in Region 5, **0.36%** (or **157,000**) used heroin in the past year, similar to the national average (**0.33%**).

Compared to the national average, the estimate was similar in every state in Region 5.

Compared to the regional average, the estimate was similar in every state in Region 5.



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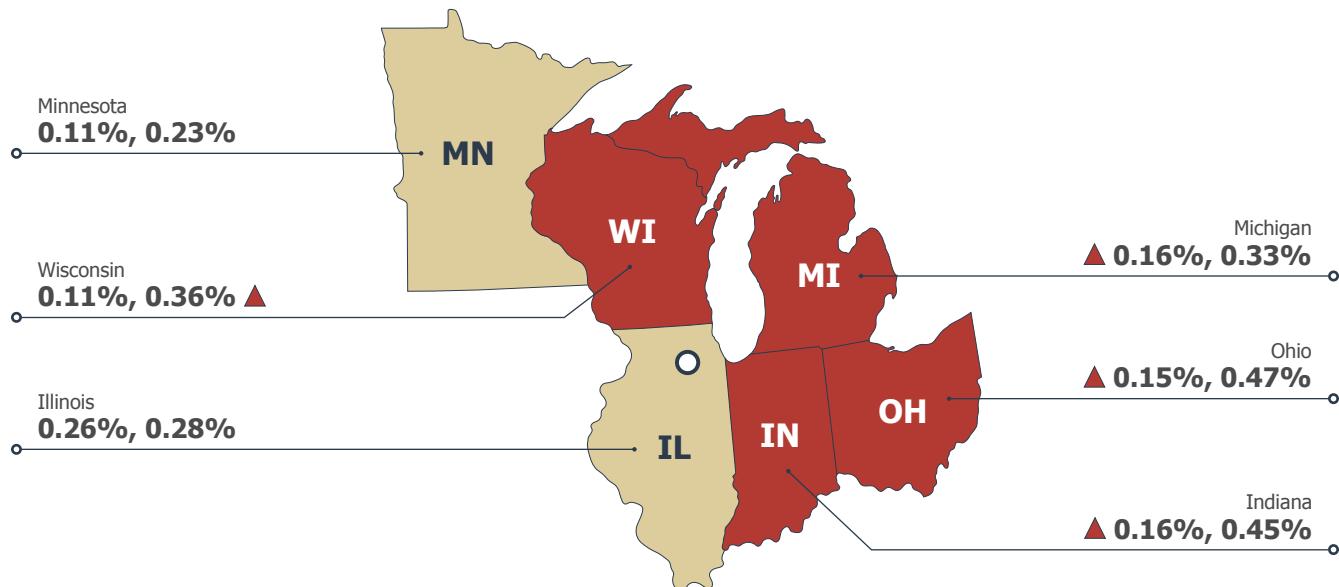
# Substance Use, Misuse, and Use Disorders

## Heroin Use



### Changes in Past-Year Heroin Use among People Aged 12 or Older in Region 5 (Annual Averages, 2002–2005 and 2014–2017)<sup>1</sup>

Among people aged 12 or older in Region 5, the annual average percentage of heroin use in the past year increased between 2002–2005 (**0.17%**) and 2014–2017 (**0.36%**). The percentage increased in Indiana, Michigan, Ohio, and Wisconsin.



Key: % 2002–2005, % 2014–2017

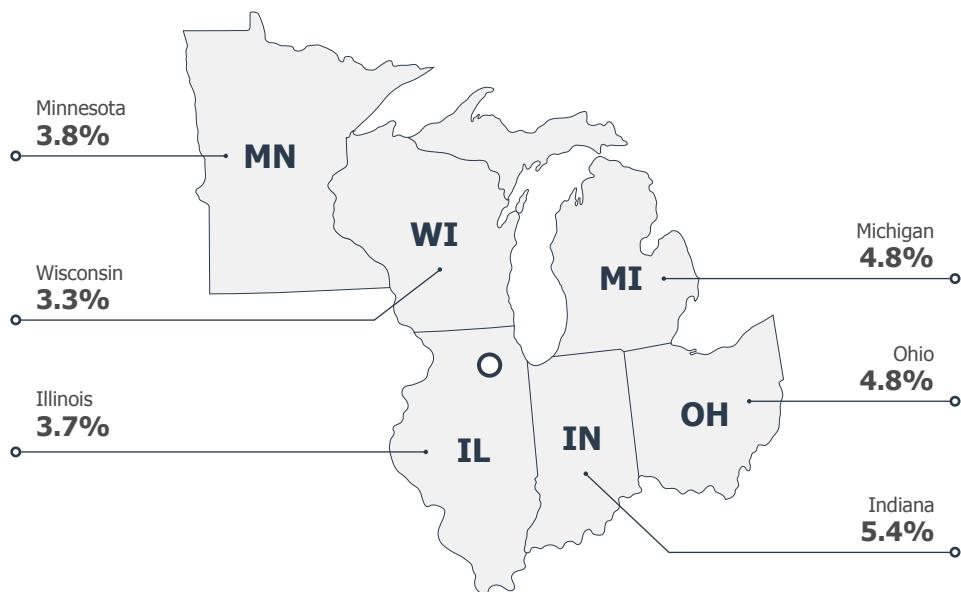
- ▲ **Increased** from 2002–2005 to 2014–2017
- **No Significant Change** from 2002–2005 to 2014–2017
- ▼ **Decreased** from 2002–2005 to 2014–2017

# Substance Use, Misuse, and Use Disorders

## Misuse of Prescription Pain Relievers



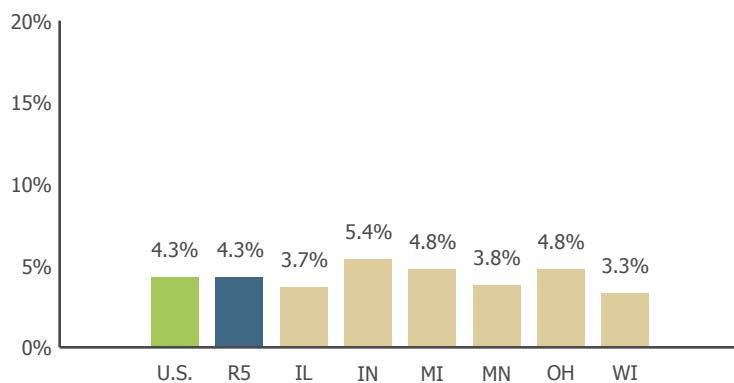
### Past-Year Misuse of Prescription Pain Relievers among People Aged 12 or Older in Region 5 (Annual Averages, 2015–2017)<sup>1</sup>



During 2015–2017, among people aged 12 or older in Region 5, **4.3%** (or **1.9 million**) misused prescription pain relievers in the past year, similar to the national average (**4.3%**).

Compared to the national average, the estimate was higher in Indiana; was lower in Illinois and Wisconsin; and was similar in Michigan, Minnesota, and Ohio.

Compared to the regional average, the estimate was higher in Indiana; was lower in Illinois and Wisconsin; and was similar in Michigan, Minnesota, and Ohio.



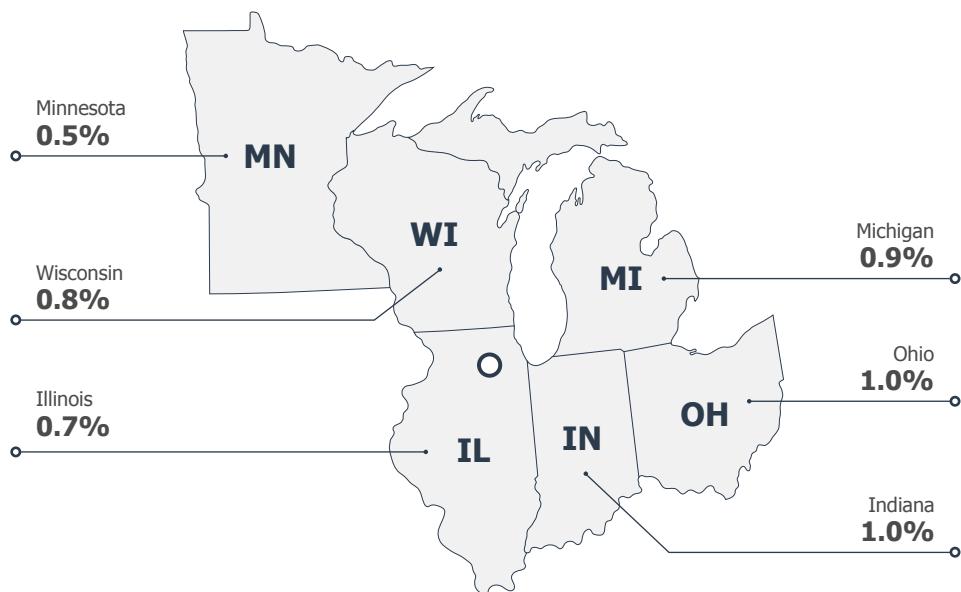
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# Substance Use, Misuse, and Use Disorders

## Opioid Use Disorder



### Past-Year Opioid Use Disorder among People Aged 12 or Older in Region 5 (Annual Averages, 2015–2017)<sup>1</sup>

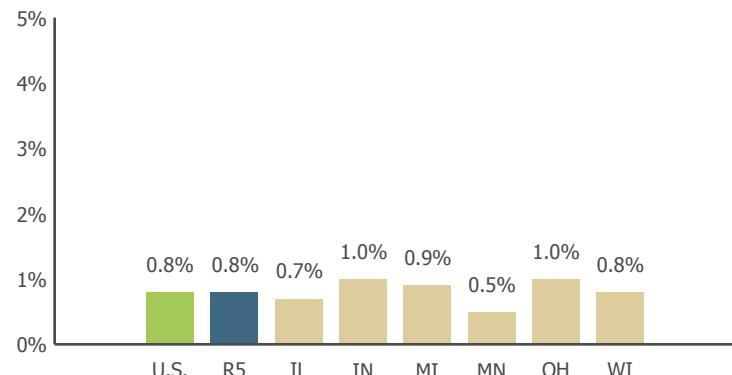


Key: % 2015–2017

During 2015–2017, among people aged 12 or older in Region 5, **0.8%** (or **367,000**) had opioid use disorder in the past year, similar to the national average (**0.8%**).

Compared to the national average, the estimate was similar in every state in Region 5.

Compared to the regional average, the estimate was similar in every state in Region 5.



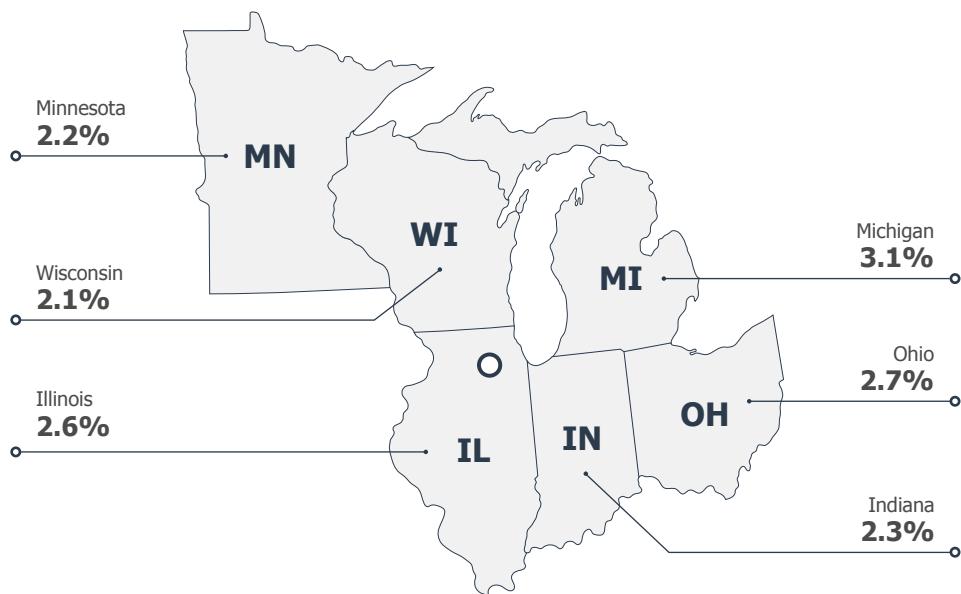
U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

# Substance Use, Misuse, and Use Disorders

## Illicit Drug Use Disorder



### Past-Year Illicit Drug Use Disorder among People Aged 12 or Older in Region 5 (Annual Averages, 2015–2017)<sup>1</sup>

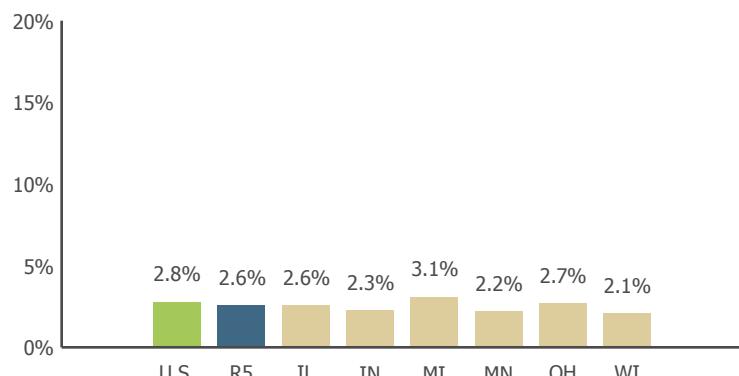


Key: % 2015–2017

During 2015–2017, among people aged 12 or older in Region 5, **2.6%** (or **1.1 million**) had illicit drug use disorder in the past year, lower than the national average (**2.8%**).

Compared to the national average, the estimate was lower in Wisconsin; and was similar in Illinois, Indiana, Michigan, Minnesota, and Ohio.

Compared to the regional average, the estimate was higher in Michigan; was lower in Wisconsin; and was similar in Illinois, Indiana, Michigan, Minnesota, and Ohio.



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# Substance Use, Misuse, and Use Disorders

## Alcohol Use Disorder



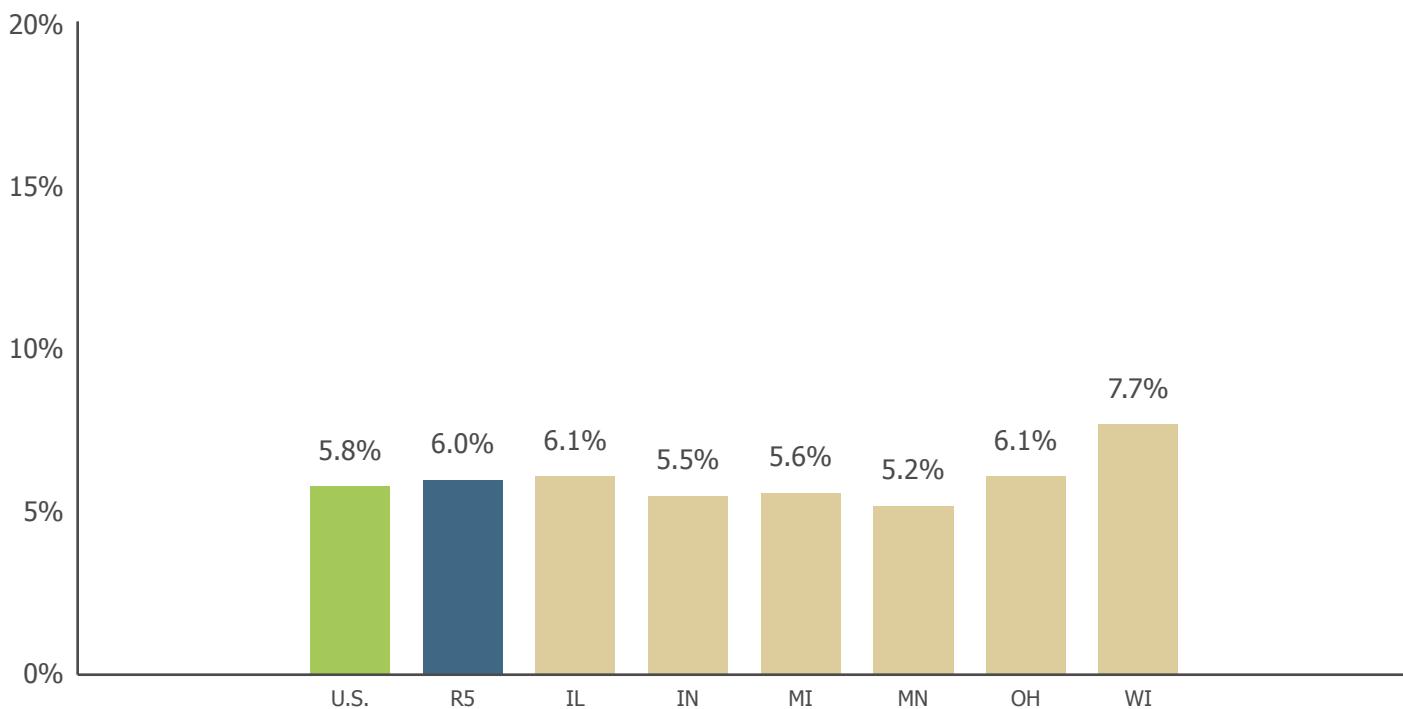
### Past-Year Alcohol Use Disorder among People Aged 12 or Older in Region 5 (Annual Averages, 2014–2017)<sup>1</sup>



During 2014–2017, among people aged 12 or older in Region 5, **6.0%** (or **2.6 million**) had alcohol use disorder in the past year, similar to the national average (**5.8%**).

Compared to the national average, the estimate was higher in Wisconsin; and was similar in Illinois, Indiana, Michigan, Minnesota, and Ohio.

Compared to the regional average, the estimate was higher in Wisconsin; and was similar in Illinois, Indiana, Michigan, Minnesota, and Ohio.



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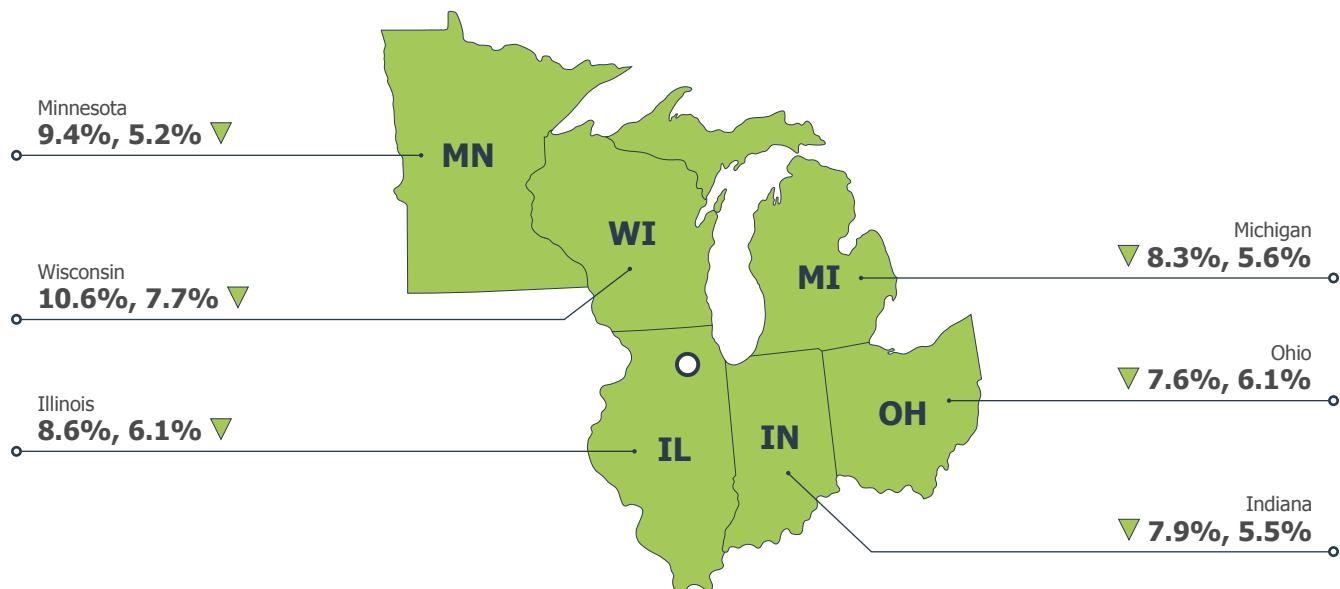
# Substance Use, Misuse, and Use Disorders

## Alcohol Use Disorder



### Changes in Past-Year Alcohol Use Disorder among People Aged 12 or Older in Region 5 (Annual Averages, 2002–2005 and 2014–2017)<sup>1</sup>

Among people aged 12 or older in Region 5, the annual average percentage of alcohol use disorder in the past year decreased between 2002–2005 (**8.5%**) and 2014–2017 (**6.0%**). The percentage decreased in every state in Region 5.



Key: % 2002–2005, % 2014–2017

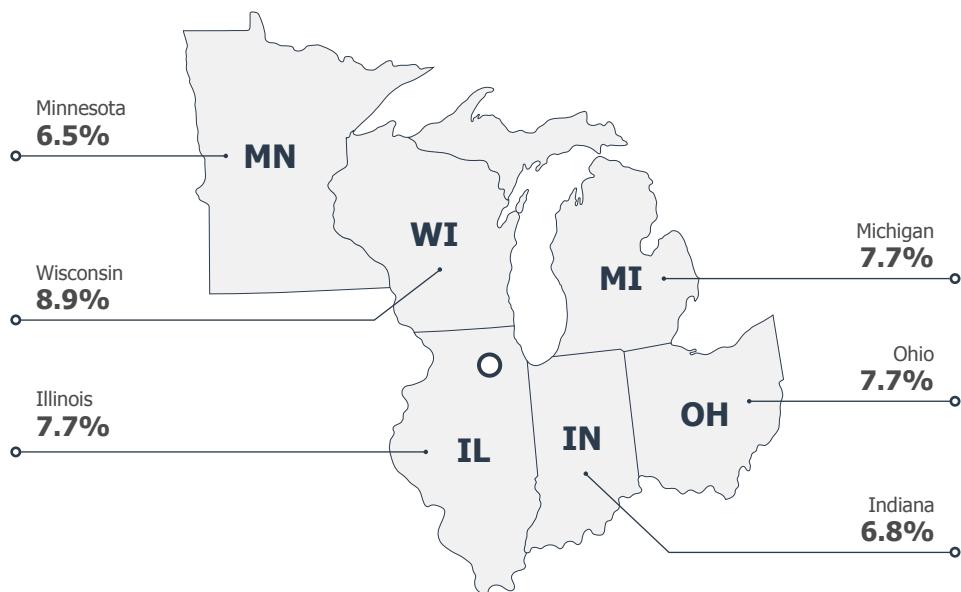
- ▲ **Increased** from 2002–2005 to 2014–2017
- **No Significant Change** from 2002–2005 to 2014–2017
- ▼ **Decreased** from 2002–2005 to 2014–2017

# Substance Use, Misuse, and Use Disorders

## Substance Use Disorder



### Past-Year Substance Use Disorder among People Aged 12 or Older in Region 5 (Annual Averages, 2015–2017)<sup>1</sup>

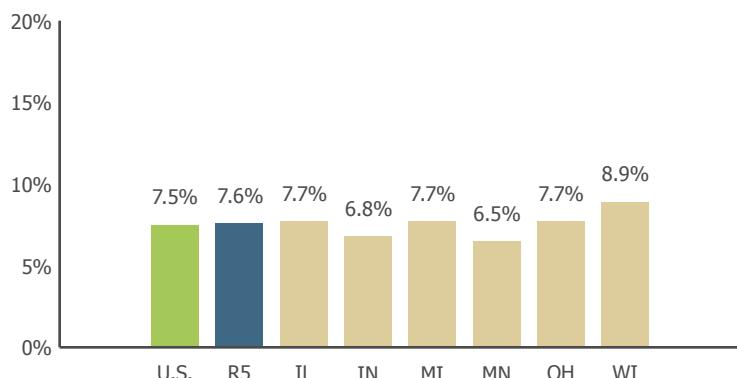


Key: % 2015–2017

During 2015–2017, among people aged 12 or older in Region 5, **7.6%** (or **3.3 million**) had a substance use disorder in the past year, similar to the national average (**7.5%**).

Compared to the national average, the estimate was higher in Wisconsin; and was similar in Illinois, Indiana, Michigan, Minnesota, and Ohio.

Compared to the regional average, the estimate was higher in Wisconsin; was lower in Minnesota; and was similar in Illinois, Indiana, Michigan, and Ohio.



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# Substance Use Treatment

## Enrollment and Treatment Focus



### Changes in the Number of People Enrolled in Substance Use Treatment in Region 5 (Single-Day Counts, 2013 and 2017)<sup>1,7</sup>

In a single-day count on March 31, 2017, **236,448** people in Region 5 were enrolled in substance use treatment – higher than **201,714** people in 2013.



Key: 2013 and 2017

**Higher** in 2017 than in 2013

**Lower** in 2017 than in 2013

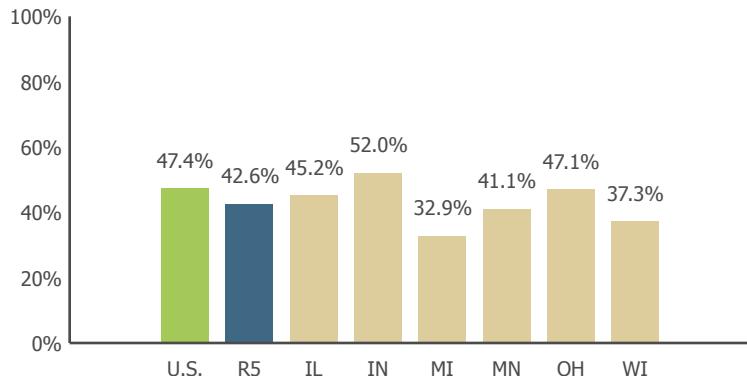
# Substance Use Treatment

## Enrollment and Treatment Focus

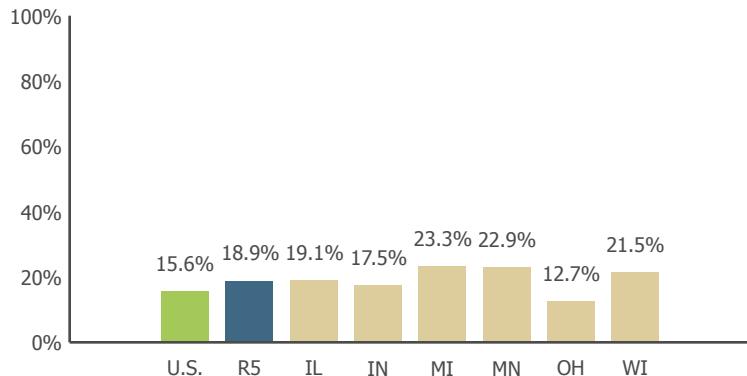


### Substance Use Problems among People Enrolled in Substance Use Treatment in Region 5 (Single-Day Count, 2017)<sup>7,8,9</sup>

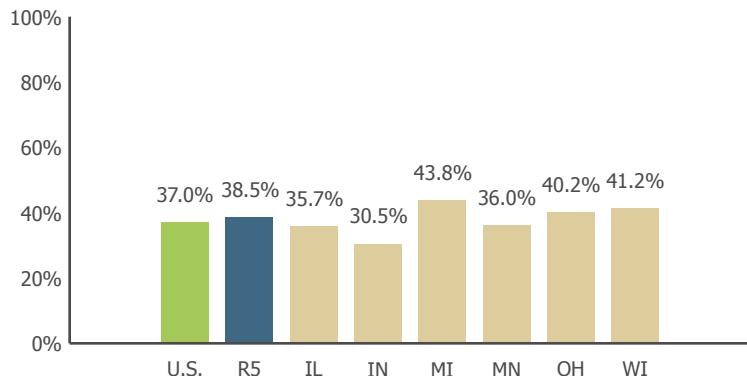
Among people in Region 5 enrolled in substance use treatment on March 31, 2017, **42.6%** (or **101,000**) were enrolled for **drug use only**. The national average was **47.4%**.



Among people in Region 5 enrolled in substance use treatment on March 31, 2017, **18.9%** (or **45,000**) were enrolled for **alcohol use only**. The national average was **15.6%**.



Among people in Region 5 enrolled in substance use treatment on March 31, 2017, **38.5%** (or **91,000**) were enrolled for **both drug and alcohol use**. The national average was **37.0%**.



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# Substance Use Treatment

Opioids (Medication-Assisted Therapy)



## Changes in the Number of People Enrolled in Opioid Treatment Programs in Region 5 Receiving Methadone (Single-Day Counts, 2013 and 2017)<sup>7,8,10</sup>

In a single-day count on March 31, 2017, **47,685** people in Region 5 were receiving methadone in opioid treatment programs as part of their substance use treatment – higher than **42,259** people in 2013.



Key: 2013 and 2017

- **Higher** in 2017 than in 2013
- **Lower** in 2017 than in 2013

# Substance Use Treatment

Opioids (Medication-Assisted Therapy)



## Changes in the Number of People Enrolled in Substance Use Treatment in Region 5 Receiving Buprenorphine (Single-Day Counts, 2013 and 2017)<sup>7,8,10,11</sup>

In a single-day count on March 31, 2017, **20,520** people in Region 5 were receiving buprenorphine as part of their substance use treatment – higher than **7,437** people in 2013.



Key: 2013 and 2017

**Higher** in 2017 than in 2013

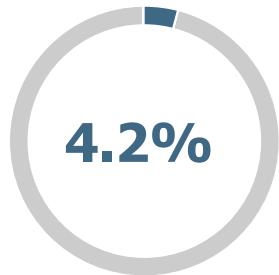
**Lower** in 2017 than in 2013

# Adult Mental Health and Service Use

## Serious Thoughts of Suicide



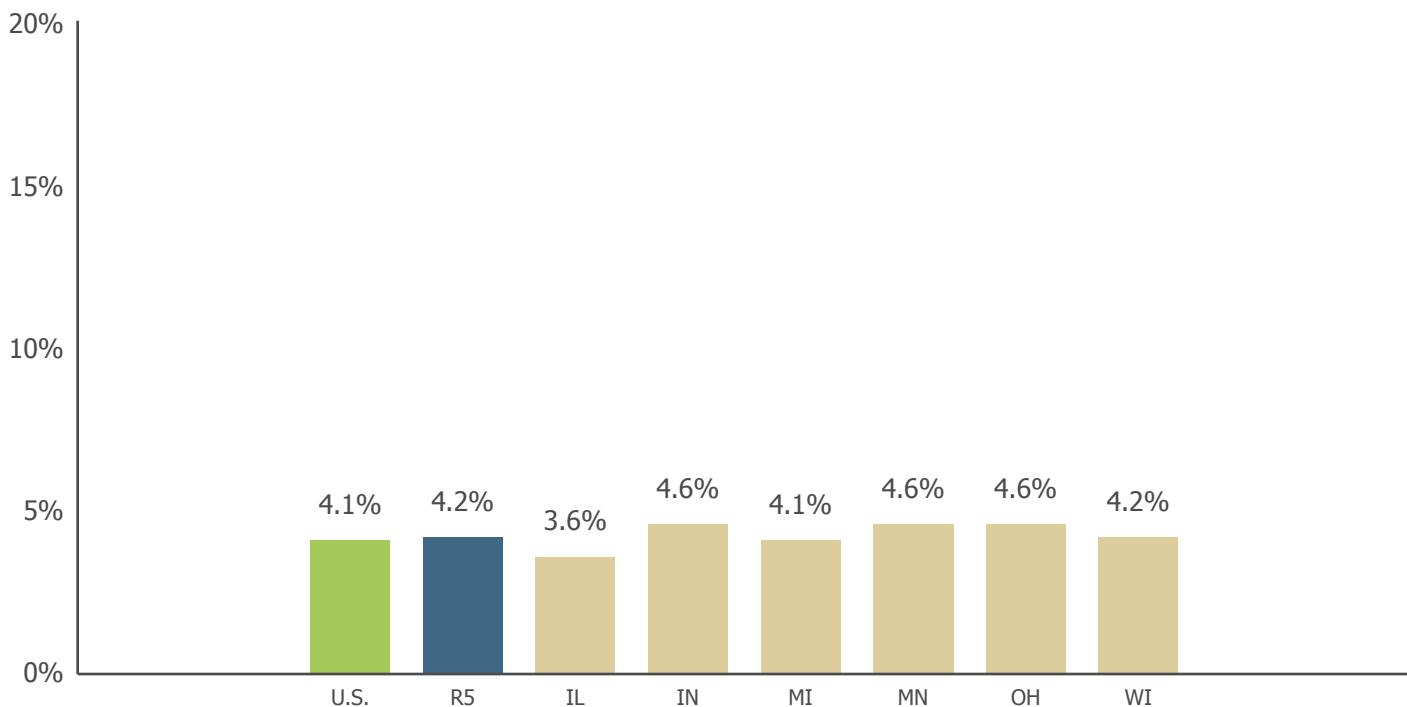
### Past-Year Serious Thoughts of Suicide among Adults Aged 18 or Older in Region 5 (Annual Averages, 2013–2017)<sup>1,5</sup>



During 2013–2017, among adults aged 18 or older in Region 5, **4.2%** (or **1.7 million**) had serious thoughts of suicide in the past year, similar to the national average (**4.1%**).

Compared to the national average, the estimate was higher in Ohio; and was similar in Illinois, Indiana, Michigan, Minnesota, and Wisconsin.

Compared to the regional average, the estimate was lower in Illinois; and was similar in Indiana, Michigan, Minnesota, Ohio, and Wisconsin.



U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

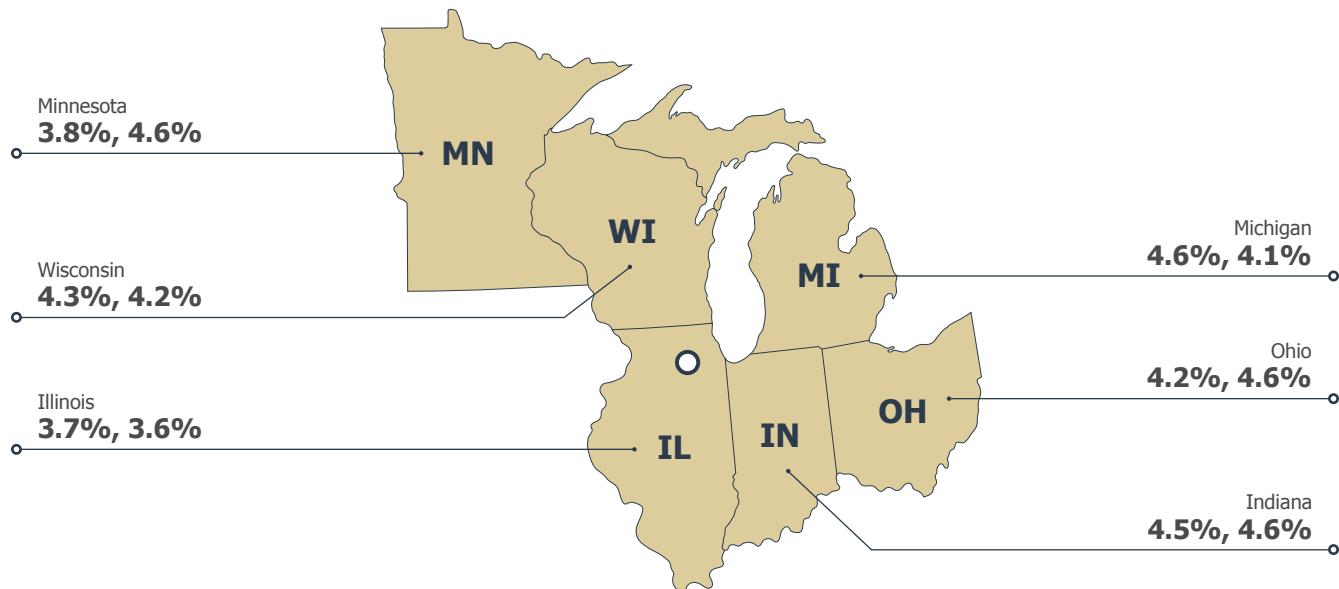
# Adult Mental Health and Service Use

## Serious Thoughts of Suicide



### Changes in Past-Year Serious Thoughts of Suicide among Adults Aged 18 or Older in Region 5 (Annual Averages, 2008–2012 and 2013–2017)<sup>1,5</sup>

Among adults aged 18 or older in Region 5, the annual average percentage with serious thoughts of suicide in the past year did not significantly change between 2008–2012 (4.2%) and 2013–2017 (4.2%). The percentage did not significantly change in every state in Region 5.



Key: % 2008–2012, % 2013–2017

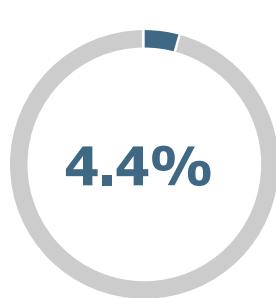
- ▲ **Increased** from 2008–2012 to 2013–2017
- **No Significant Change** from 2008–2012 to 2013–2017
- ▼ **Decreased** from 2008–2012 to 2013–2017

# Adult Mental Health and Service Use

## Serious Mental Illness



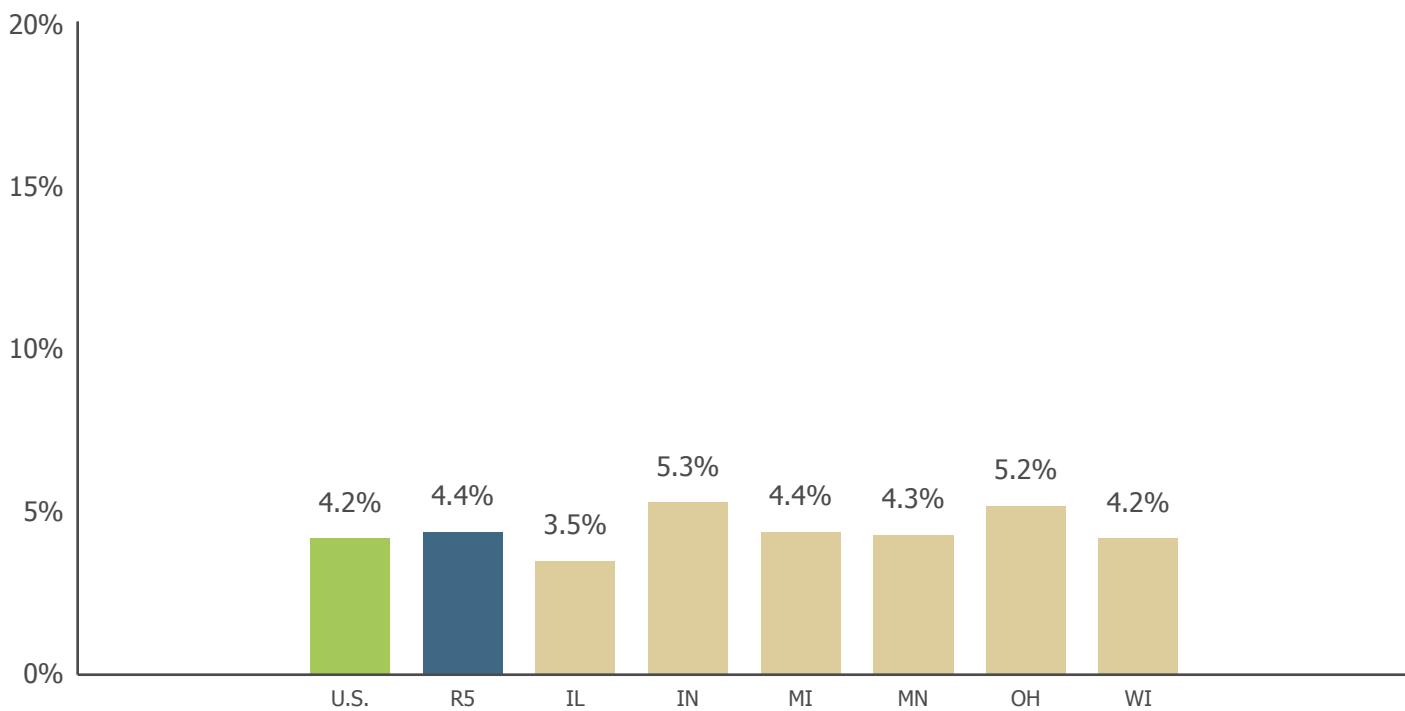
### Past-Year Serious Mental Illness (SMI) among Adults Aged 18 or Older in Region 5 (Annual Averages, 2013–2017)<sup>1,6</sup>



During 2013–2017, among adults aged 18 or older in Region 5, **4.4%** (or **1.8 million**) had a serious mental illness in the past year, similar to the national average (**4.2%**).

Compared to the national average, the estimate was higher in Indiana and Ohio; was lower in Illinois; and was similar in Michigan, Minnesota, and Wisconsin.

Compared to the regional average, the estimate was higher in Indiana and Ohio; was lower in Illinois; and was similar in Michigan, Minnesota, and Wisconsin.



U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

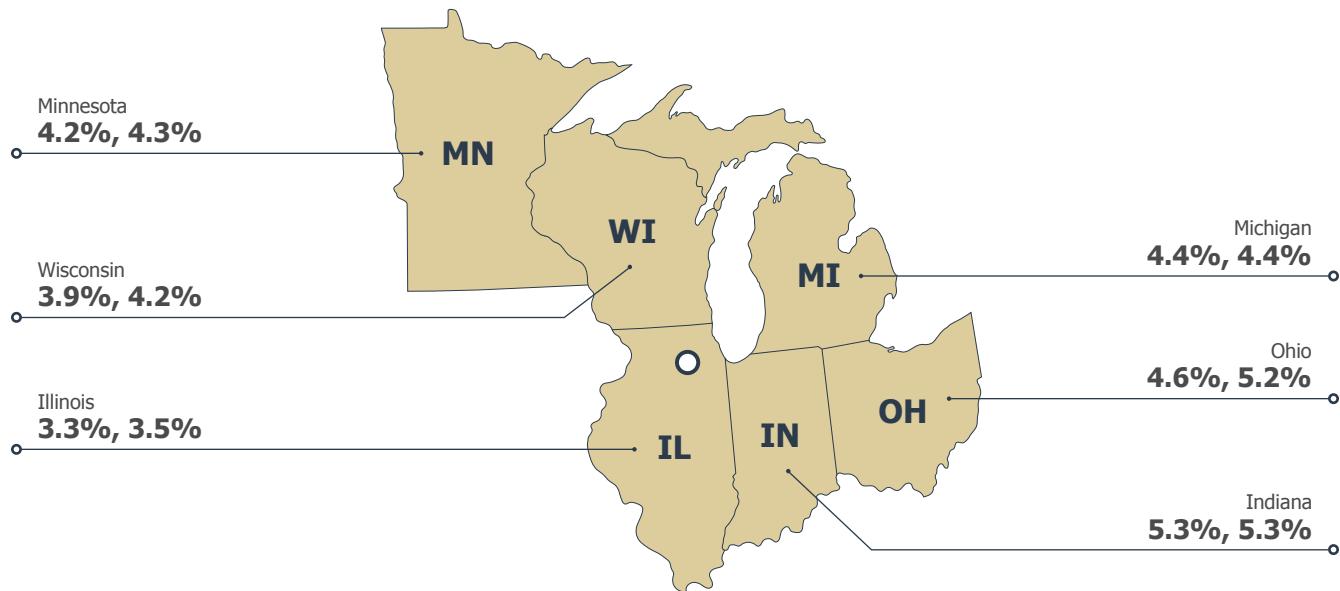
# Adult Mental Health and Service Use

## Serious Mental Illness



### Changes in Past-Year Serious Mental Illness (SMI) among Adults Aged 18 or Older in Region 5 (Annual Averages, 2008–2012 and 2013–2017)<sup>1,6</sup>

Among adults aged 18 or older in Region 5, the annual average percentage with a serious mental illness (SMI) in the past year did not significantly change between 2008–2012 (4.2%) and 2013–2017 (4.4%). The percentage did not significantly change in every state in Region 5.



Key: % 2008–2012, % 2013–2017

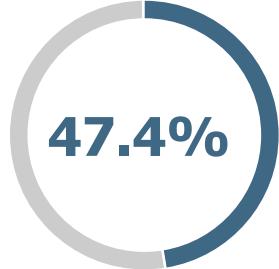
- ▲ **Increased** from 2008–2012 to 2013–2017
- **No Significant Change** from 2008–2012 to 2013–2017
- ▼ **Decreased** from 2008–2012 to 2013–2017

# Adult Mental Health and Service Use

Mental Health Service Use among Adults with Any Mental Illness



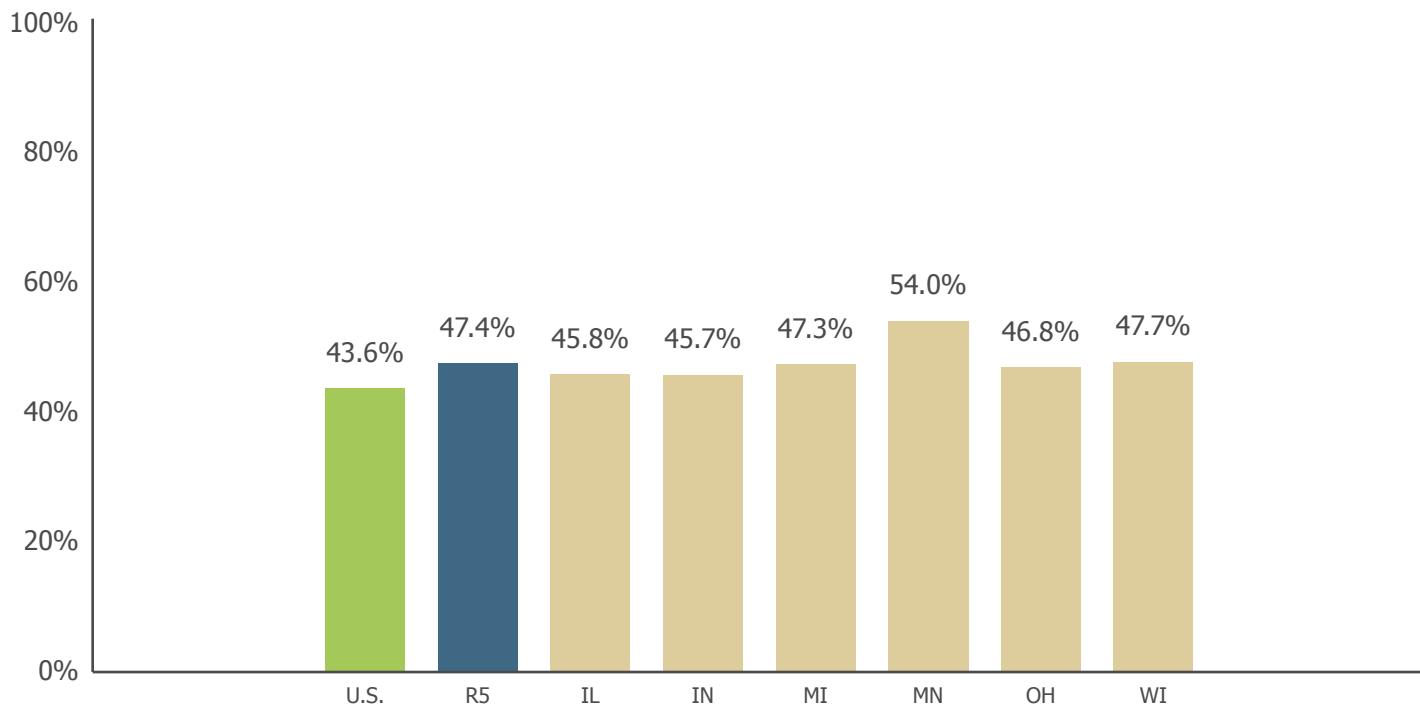
## Past-Year Mental Health Service Use among Adults Aged 18 or Older with Any Mental Illness (AMI) in Region 5 (Annual Averages, 2013–2017)<sup>1,6,12</sup>



During 2013–2017, among adults aged 18 or older with any mental illness (AMI) in Region 5, **47.4%** (or **3.5 million**) received mental health services in the past year, higher than the national average (**43.6%**).

Compared to the national average, the estimate was higher in Michigan, Minnesota, and Ohio; and was similar in Illinois, Indiana, and Wisconsin.

Compared to the regional average, the estimate was higher in Minnesota; and was similar in Illinois, Indiana, Michigan, Ohio, and Wisconsin.



U.S. = United States; R5 = Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin); IL = Illinois; IN = Indiana; MI = Michigan; MN = Minnesota; OH = Ohio; WI = Wisconsin.

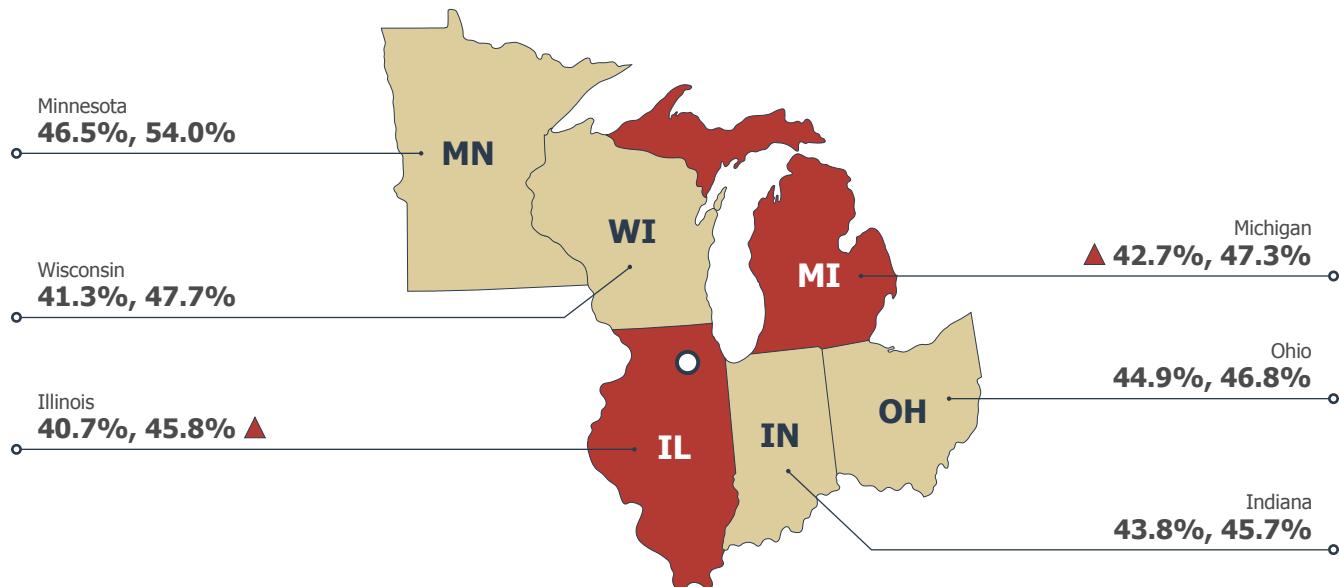
# Adult Mental Health and Service Use

Mental Health Service Use among Adults with Any Mental Illness



## Changes in Past-Year Mental Health Service Use among Adults Aged 18 or Older with Any Mental Illness (AMI) in Region 5 (Annual Averages, 2008–2012 and 2013–2017)<sup>1,6,12</sup>

Among adults aged 18 or older in Region 5, the annual average percentage with any mental illness (AMI) who received mental health services in the past year increased between 2008–2012 (43.2%) and 2013–2017 (47.4%). The percentage increased in Illinois and Michigan.



Key: % 2008–2012, % 2013–2017

- ▲ Increased from 2008–2012 to 2013–2017
- No Significant Change from 2008–2012 to 2013–2017
- ▼ Decreased from 2008–2012 to 2013–2017



# Figure Notes

- 1 Estimates are annual averages based on combined 2013–2017 NSDUH data or NSDUH data for other combined years as indicated.
- 2 Respondents with unknown past year major depressive episode (MDE) data were excluded.
- 3 Respondents with unknown past year MDE or unknown treatment data were excluded.
- 4 Consistent with federal definitions and other federal data collections, the NSDUH definition for binge alcohol use since 2015 differs for males and females. Thus, this indicator is only based on the 2015–2017 NSDUH data. Binge drinking for males is defined as drinking five or more drinks on the same occasion on at least 1 day in the past 30 days, which is unchanged from the threshold prior to 2015. Since 2015, binge alcohol use for females has been defined as drinking four or more drinks on the same occasion on at least 1 day in the past 30 days.
- 5 Estimates were based only on responses to suicidality items in the NSDUH Mental Health module. Respondents with unknown suicidality information were excluded.
- 6 For further information, see Revised Estimates of Mental Illness from the National Survey on Drug Use and Health, which is available on the SAMHSA Web site at <https://www.samhsa.gov/data/sites/default/files/NSDUH148/NSDUH148/sr148-mental-illness-estimates.pdf>.
- 7 Significance testing was not conducted on these data. Conducting statistical significance tests is not necessary because these are counts of people enrolled at all treatment facilities (rather than estimates from a sample of treatment facilities).
- 8 Single-day counts reflect the number of individuals who were enrolled in substance use treatment on March 31, 2013 and March 31, 2017.
- 9 Enrollees whose substances were unknown were excluded.
- 10 These counts reflect only individuals who were receiving these specific medication-assisted therapies as part of their opioid treatment in specialty substance abuse treatment programs; they do not include counts of individuals who were receiving other types of treatment (such as those who received MAT from private physicians) for their opioid addiction on the reference dates.



# Figure Notes

**11** Physicians who obtain specialized training per the Drug Addiction Treatment Act of 2000 (DATA 2000) may prescribe buprenorphine to treat opioid addiction. Some physicians are in private, office-based practices; others are affiliated with substance abuse treatment facilities or programs and may prescribe buprenorphine to clients at those facilities. Additionally, opioid treatment programs (OTPs) may also prescribe and/or dispense buprenorphine. The buprenorphine single-day counts include only those clients who received/were prescribed buprenorphine by physicians affiliated with substance abuse treatment facilities; they do not include clients from private practice physicians.

**12** Respondents were not to include treatment for drug or alcohol use. Respondents with unknown service use information were excluded. Estimates were based only on responses to items in the NSDUH Adult Mental Health Service Utilization module.



# Definitions

**Alcohol use disorder and illicit drug use disorder** are defined using diagnostic criteria specified within the fourth edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV), which include such symptoms as withdrawal, tolerance, use in dangerous situations, trouble with the law, and interference with major obligations at work, school, or home during the past year. For details, see American Psychiatric Association (1994).

**Any mental illness (AMI)** among adults aged 18 or older is defined as currently or at any time in the past year having had a diagnosable mental, behavioral, or emotional disorder (excluding developmental and substance use disorders) of sufficient duration to meet DSM-IV criteria. Adults who had a diagnosable mental, behavioral, or emotional disorder in the past year, regardless of their level of functional impairment, were defined as having AMI.

**Depression care** is defined as seeing or talking to a medical doctor or other professional or using prescription medication for depression in the past year.

**Major depressive episode (MDE)** is defined as in the DSM-IV, which specifies a period of at least 2 weeks in the past year when an individual experienced a depressed mood or loss of interest or pleasure in daily activities and had a majority of specified depression symptoms.

**Marijuana use disorder** is defined using diagnostic criteria specified within the fourth edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV), which include such symptoms as tolerance, use in dangerous situations, trouble with the law, and interference with major obligations at work, school, or home during the past year. For details, see American Psychiatric Association (1994).

**Mental health service use** is defined in NSDUH for adults aged 18 or older as receiving treatment or counseling for any problem with emotions, nerves, or mental health in the 12 months before the interview in any inpatient or outpatient setting, or the use of prescription medication for treatment of any mental or emotional condition that was not caused by the use of alcohol or drugs.

**Number of individuals enrolled in substance use treatment** refers to the number of clients in treatment at alcohol and drug abuse facilities (public and private) throughout the 50 states, the District of Columbia, and other U.S. jurisdictions.

**Opioid use disorder** is defined as heroin use disorder or prescription pain reliever use disorder using diagnostic criteria specified within the fourth edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV), which include such symptoms as withdrawal, tolerance, use in dangerous situations, trouble with the law, and interference with major obligations at work, school, or home during the past year. For details, see American Psychiatric Association (1994).



# Definitions

**Prescription pain relievers** include the following subcategories of pain relievers: hydrocodone products (Vicodin®, Lortab®, Norco®, Zohydro® ER, or generic hydrocodone); oxycodone products (OxyContin®, Percocet®, Percodan®, Roxicet®, Roxicodone®, or generic oxycodone); tramadol products (Ultram®, Ultram® ER, Ultracet®, generic tramadol, or generic extended-release tramadol); codeine products (Tylenol® with codeine 3 or 4 or generic codeine pills); morphine products (Avinza®, Kadian®, MS Contin®, generic morphine, or generic extended-release morphine); fentanyl products (Actiq®, Duragesic®, Fentora®, or generic fentanyl); buprenorphine products (Suboxone® or generic buprenorphine); oxymorphone products (Opana®, Opana® ER, generic oxymorphone, or generic extended-release oxymorphone); Demerol®; hydromorphone products (Dilaudid® or generic hydromorphone, or Exalgo® or generic extended-release hydromorphone); methadone; or any other prescription pain reliever.

**Prescription pain reliever misuse** is defined as prescription pain reliever use in any way not directed by a doctor, including use without a prescription of one's own; use in greater amounts, more often, or longer than told; or use in any other way not directed by a doctor.

**Serious mental illness (SMI)** is defined in NSDUH as adults aged 18 or older who currently or at any time in the past year have had a diagnosable mental, behavioral, or emotional disorder (excluding developmental and substance use disorders) of sufficient duration to meet diagnostic criteria specified in the DSM-IV and has resulted in serious functional impairment, which substantially interferes with or limits one or more major life activities. SMI estimates are based on a predictive model applied to NSDUH data and are not direct measures of diagnostic status. The estimation of SMI covers any mental disorders that result in serious impairment in functioning such as major depression and bipolar disorders. However, NSDUH data cannot be used to estimate the prevalence of specific mental disorders in adults. Also, it should be noted that SAMHSA has recently updated the definition of SMI for use in mental health block grants to include mental disorders as specified in the DSM-5.

**Substance use disorder** is defined as dependence on or abuse of alcohol, illicit drugs (e.g., marijuana, cocaine, hallucinogens, heroin, or inhalants), or psychotherapeutics (e.g., prescription pain relievers, sedatives, tranquilizers, or stimulants) in the past 12 months based on assessments of individual diagnostic criteria from the fourth edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV), which include such symptoms as withdrawal, tolerance, use in dangerous situations, trouble with the law, and interference with major obligations at work, school, or home during the past year. For details, see American Psychiatric Association (1994).



# References and Sources

**American Psychiatric Association. (1994).** Diagnostic and statistical manual of mental disorders (DSM-IV) (4th ed.). Washington, DC: Author.

**The National Survey on Drug Use and Health (NSDUH)** is an annual survey sponsored by the Substance Abuse and Mental Health Services Administration (SAMHSA). NSDUH is the primary source of information on the use of illicit drugs, alcohol, and tobacco in the U.S. civilian, noninstitutionalized population aged 12 years or older and includes mental health issues and mental health service utilization for adolescents aged 12–17 and adults aged 18 or older. Conducted by the federal government since 1971, NSDUH collects data by administering questionnaires to a representative sample of the population through face-to-face interviews at their place of residence. The data used in this report are based on information obtained from approximately 67,500 individuals aged 12 or older per year in the United States. Additional information about NSDUH is available at <https://www.samhsa.gov/data/population-data-nsduh>.

**The National Survey of Substance Abuse Treatment Services (N-SSATS)** is an annual census designed to collect information from all public and private treatment facilities in the United States that provide substance abuse treatment. The objectives of N-SSATS are to collect multipurpose data that can be used to assist SAMHSA and state and local governments in assessing the nature and extent of services provided and in forecasting treatment resource requirements, to update SAMHSA's Inventory of Behavioral Health Services, to analyze general treatment services trends, and to generate the Behavioral Health Treatment Services Locator (<https://findtreatment.samhsa.gov/>). Additional information about N-SSATS is available at <https://www.samhsa.gov/data/all-reports>.

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Center for Behavioral Health Statistics and Quality

