



**Indiana
Department
of
Health**

ASTHMA IN INDIANA

Chronic Respiratory Disease Section
Division of Chronic Disease, Primary
Care, and Rural Health

January 2025

OUR MISSION:

To promote, protect, and improve the health and safety of all Hoosiers.

OUR VISION:

Every Hoosier reaches optimal health regardless of where they live, learn, work, or play.



Purpose

The purpose of this slide set is to provide an informational guide regarding asthma in the state of Indiana. It is intended to be a data resource for those working in asthma or for those who may want more insight into the chronic respiratory disease that is asthma.

The data presented is the most recent information for each data source.

Helpful Definitions for Understanding Asthma Data

- **Age-Adjusted Rate**
 - A weighted average of the crude rates, where the crude rates are calculated for different demographic groups and weighted based on the corresponding demographic groups of a standard population set¹
- **Asthma Control**
 - Patients with an asthma diagnosis range of measurements with the goal of having well-controlled² asthma. Using asthma control tools, control range can be well-controlled or poorly-controlled
- **Asthma Prevalence**
 - An annual number of cases of asthma that are present in the population (can be represented as a percentage or standard rate)
 - An estimated annual number of cases of asthma that are present in the population weighted using a standard population set
- **Asthma Mortality**
 - An annual number of deaths with the primary cause of death being listed as asthma in the population
 - An age-adjusted rate of the annual number of deaths with the primary cause of death being listed as asthma per 10,000 people



**Indiana
Department
of
Health**

¹ Klein RJ, Schoenborn CA. *Age adjustment using the 2000 projected U.S. population*. Healthy People Statistical Notes, no. 20. Hyattsville, Maryland: National Center for Health Statistics; January 2001.

² Centers for Disease Control and Prevention. (2016, July 14). *Asthma control*. Centers for Disease Control and Prevention. Retrieved November 23, 2021.

Helpful Definitions for Understanding Asthma Data

- **Asthma-Specific Emergency Department (ED) Visits**
 - Annual number of emergency department visits with the primary diagnosis of asthma (ICD-10-CM Diagnosis Code of J45)
 - Age-adjusted rate of emergency department visits with a primary diagnosis of asthma per 10,000 people (ICD-10-CM Diagnosis Code of J45)
- **Asthma-Specific Inpatient Hospitalizations**
 - Annual number of inpatient hospitalizations with the primary diagnosis of asthma (ICD-10-CM Diagnosis Code of J45)
 - Age-adjusted rate of inpatient hospitalizations with a primary diagnosis of asthma per 10,000 people (ICD-10-CM Diagnosis Code of J45)
- **Missed Work or Missed School Days**
 - Missing one or more days of work or school due to asthma in the span of 12 months

Data Sources

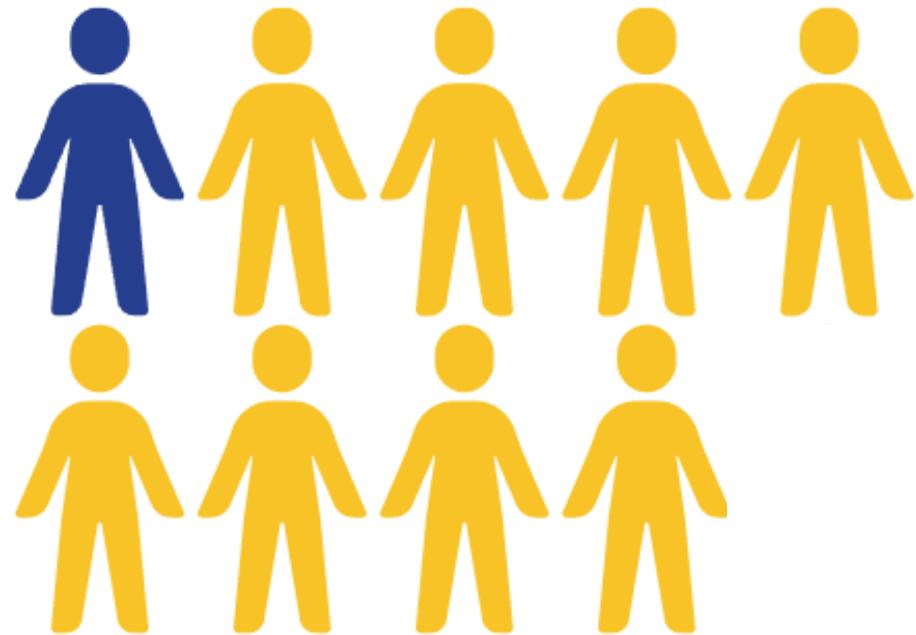
- [Centers for Disease Control and Prevention BRFSS \(CDC\)](#)
- [Indiana Behavioral Risk Factor Surveillance System \(BRFSS\)](#)
- [Indiana BRFSS Asthma Call-Back Survey \(ACBS\)](#)
- [Indiana Department of Health Hospital Discharge Data](#)
- [Indiana Department of Health Vital Records Death Reports](#)

The importance of using age-adjusted rates in asthma data¹

Adjusted rates allow for comparisons to be made between groups with differing age, race, and ethnic distributions. Rates are calculated using the U.S. 2000 Standard Population¹ to remove the impact seen in different subgroups and communities of the population.

Background



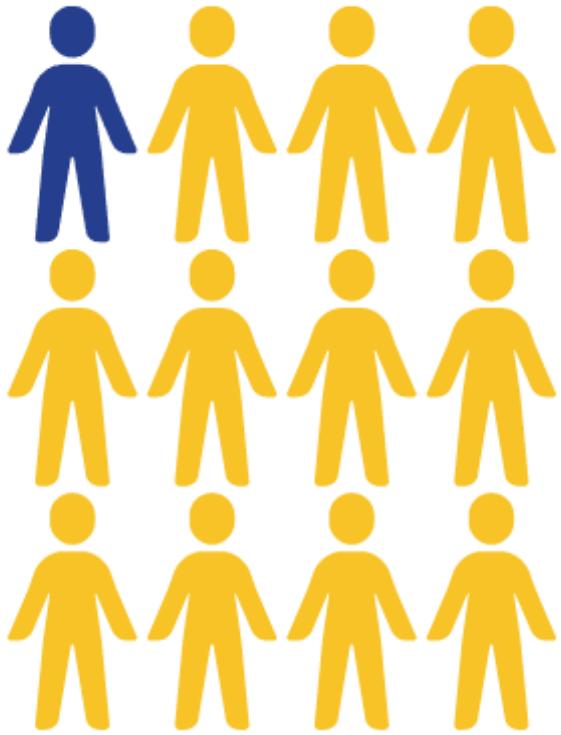


Approximately one in nine (11.0%) Indiana adults (18 years and older) are diagnosed with asthma.⁴



**Indiana
Department
of
Health**

3 CDC and Indiana Department of Health Office of Data & Analytics [IDOH ODA]. (2024). *Behavioral Risk Factor Surveillance System Prevalence Data, 2022*.



Approximately one in 12 (8.2%) Indiana children (17 years and younger) are diagnosed with asthma.⁴



In an average Indiana classroom, there will be approximately 2 students with a current asthma diagnosis.



**Indiana
Department
of
Health**

3 [CDC](#) and [Indiana Department of Health Office of Data & Analytics \[IDOH ODA\]](#). (2024). *Behavioral Risk Factor Surveillance System Prevalence Data*, 2022.

Estimates based on a classroom average size of 24.

What is Asthma?

- Asthma is a long-term chronic health condition and major noncommunicable disease (NCD). Inflammation and narrowing of the airways in the lungs causes asthma symptoms⁵
- Symptoms can include any combination of coughing, wheezing, shortness of breath, and chest tightness⁵
- Triggers for asthma symptoms can vary from person to person but can include:
 - Respiratory infections, tobacco smoke, environmental smoke fumes, dust and dust mites, changes in weather or outdoor air pollution, pollen, animal dander, mold, cleaning and disinfection products, exercise, or strong soaps/perfumes⁶

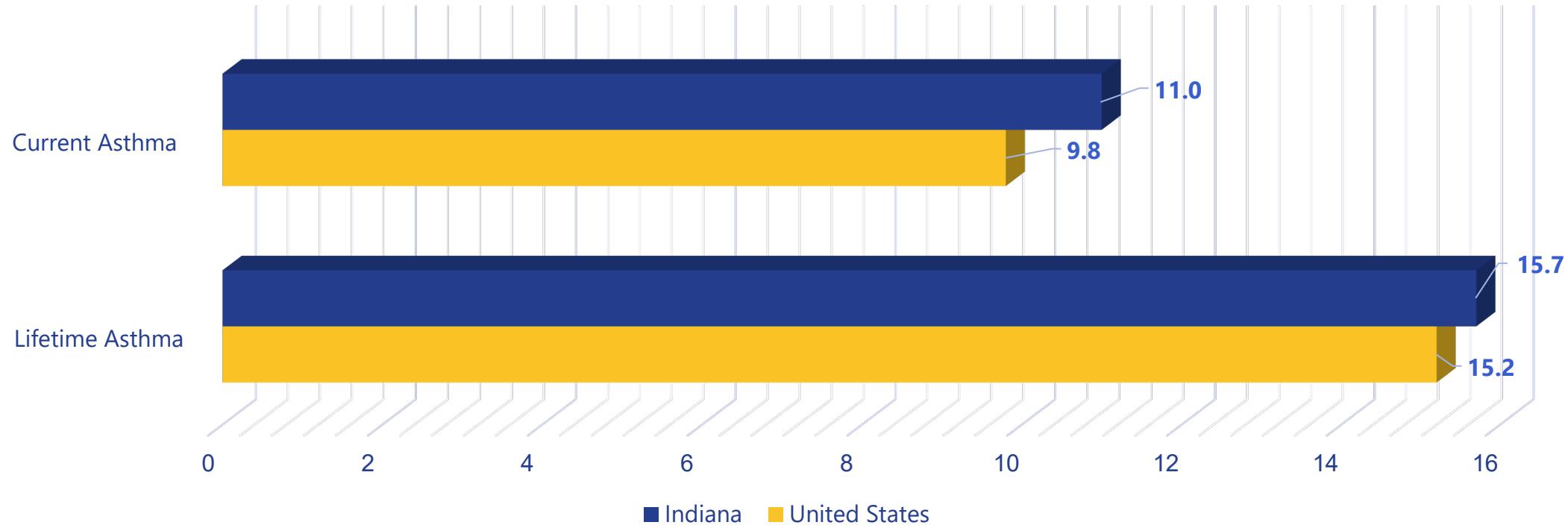
Asthma Prevalence



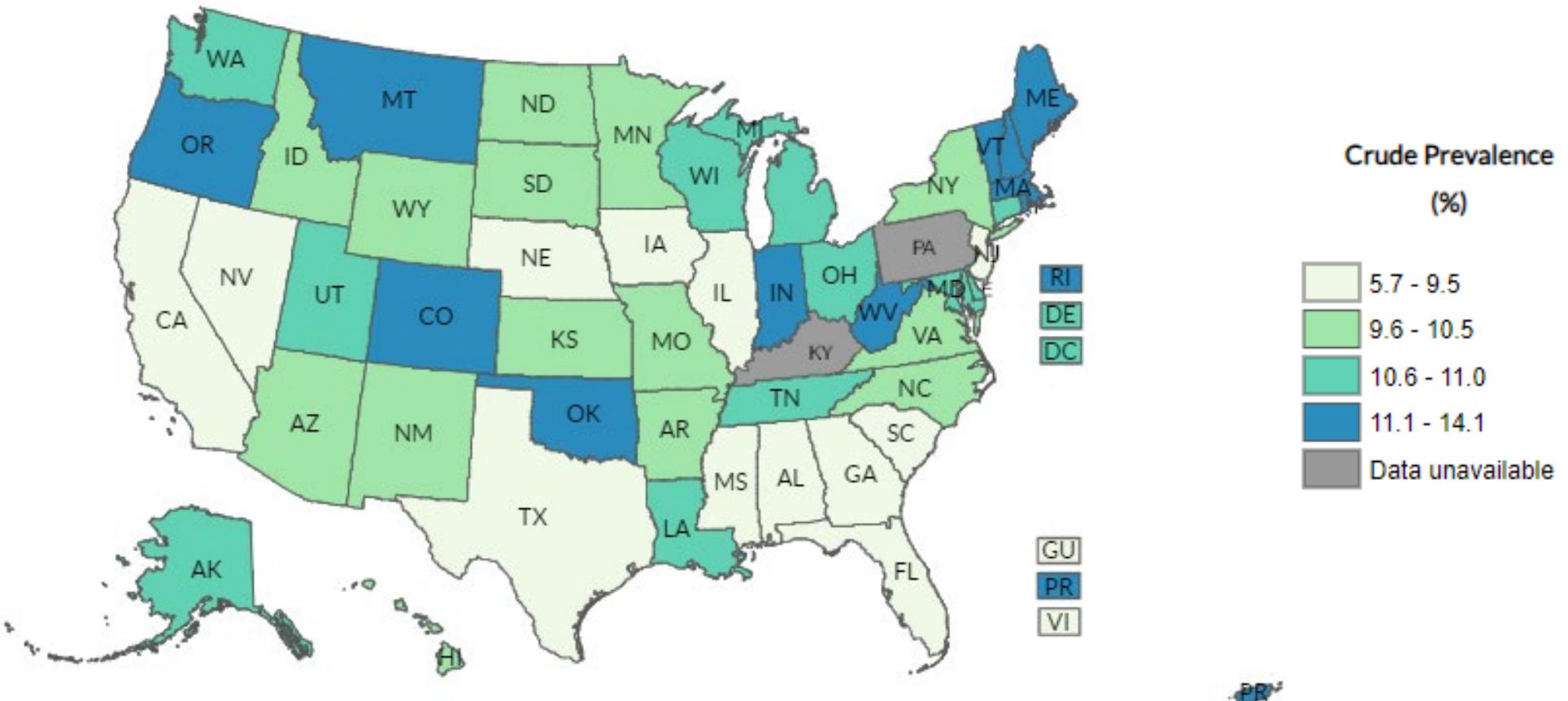
Asthma in Adults⁴

- Approximately 746,408 Indiana adults are currently diagnosed with asthma
- Adult females (14.0%) in Indiana are more likely than adult males (7.8%) to have asthma
- Non-Hispanic African Americans (13.9%) and multiracial adults (15.8%) have a higher prevalence rate than other races in the state
- An asthma diagnosis is more likely within a household that annually makes less than \$34,999 in comparison to households with annual incomes greater than \$35,000

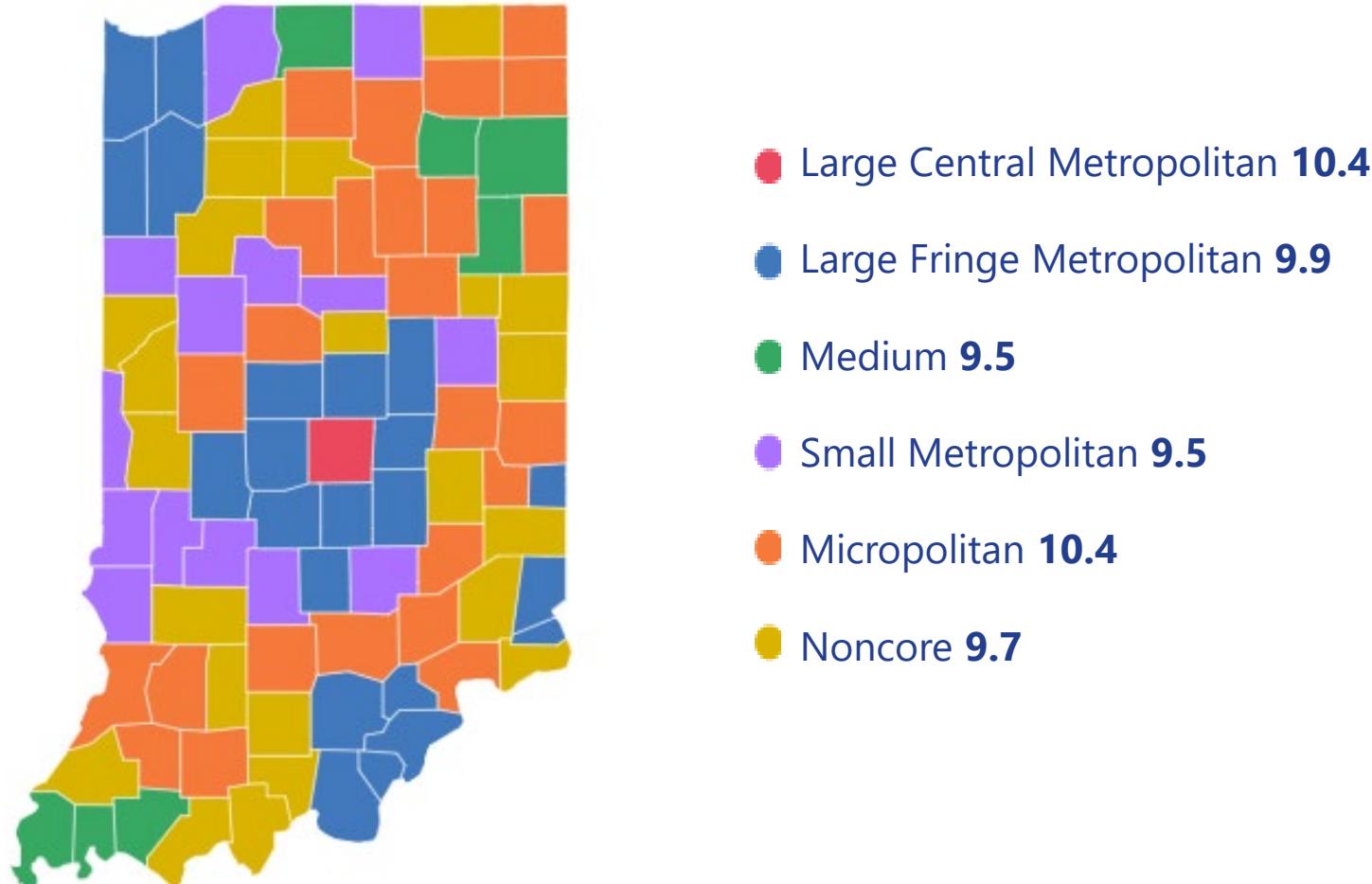
Prevalence of asthma among adults [18+], Indiana and United States, 2022



Prevalence of current asthma among adults by states and territories, 2022



Prevalence of current asthma among adults by urban-rural classification of counties, Indiana, 2019-2021

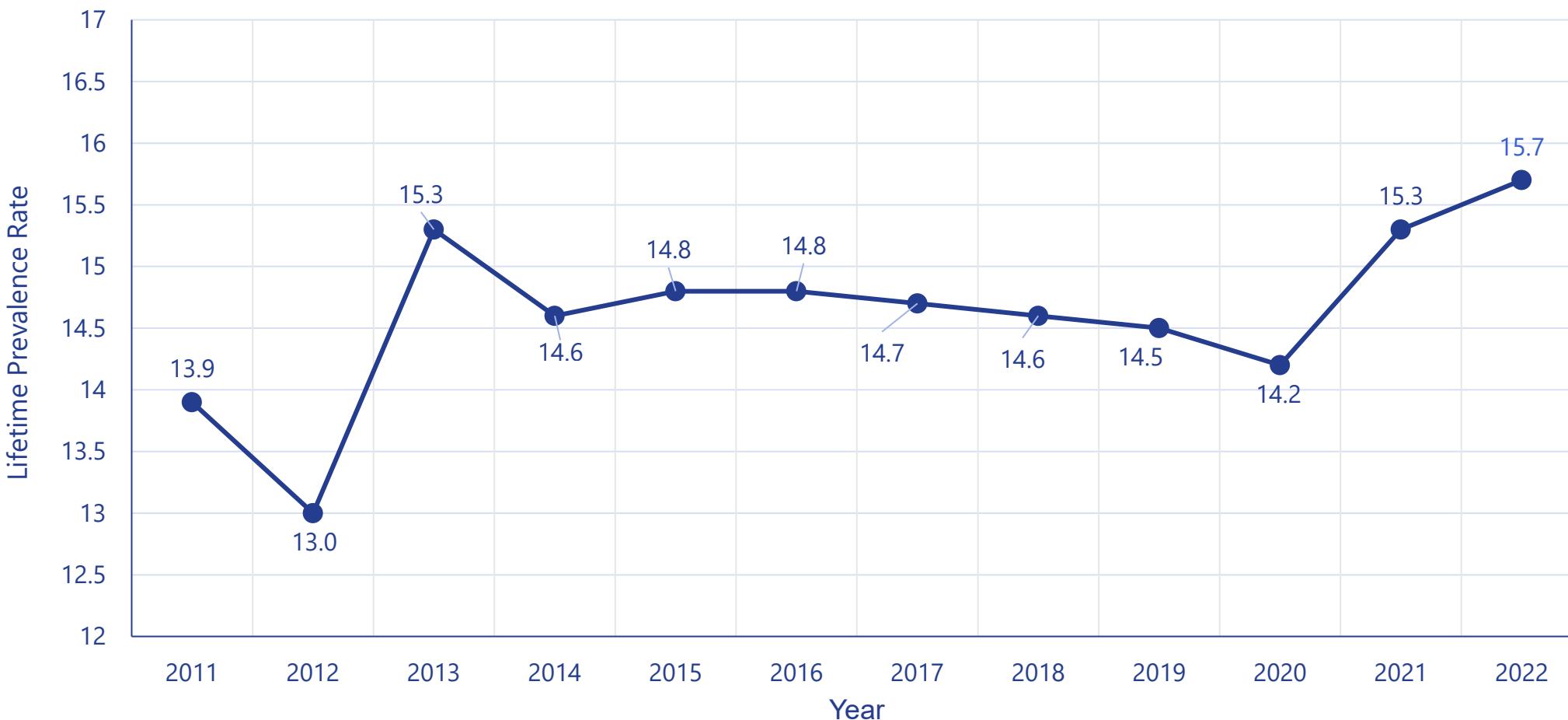


Current Adults surveyed from the 2021 BRFSS with a response of 'Yes' to the question, "Has a doctor, nurse, or health professional ever told you that you currently have asthma?"
Adults who have been told they currently have asthma (variable calculated from one or more BRFSS questions) (Crude Prevalence)

4 [CDC](#) and [Indiana Department of Health Office of Data & Analytics \[IDOH ODA\]](#). (2023). *Behavioral Risk Factor Surveillance System Prevalence Data, 2021*.

8 [CDC](#) and [National Center for Health Statistics \(NCHS\)](#). (2024). *Urban-Rural Classification Scheme for Counties and 2019-2021. Behavioral Risk Factor Surveillance System (BRFSS)*.

Prevalence of lifetime asthma among adults [18+], Indiana, 2011-2022



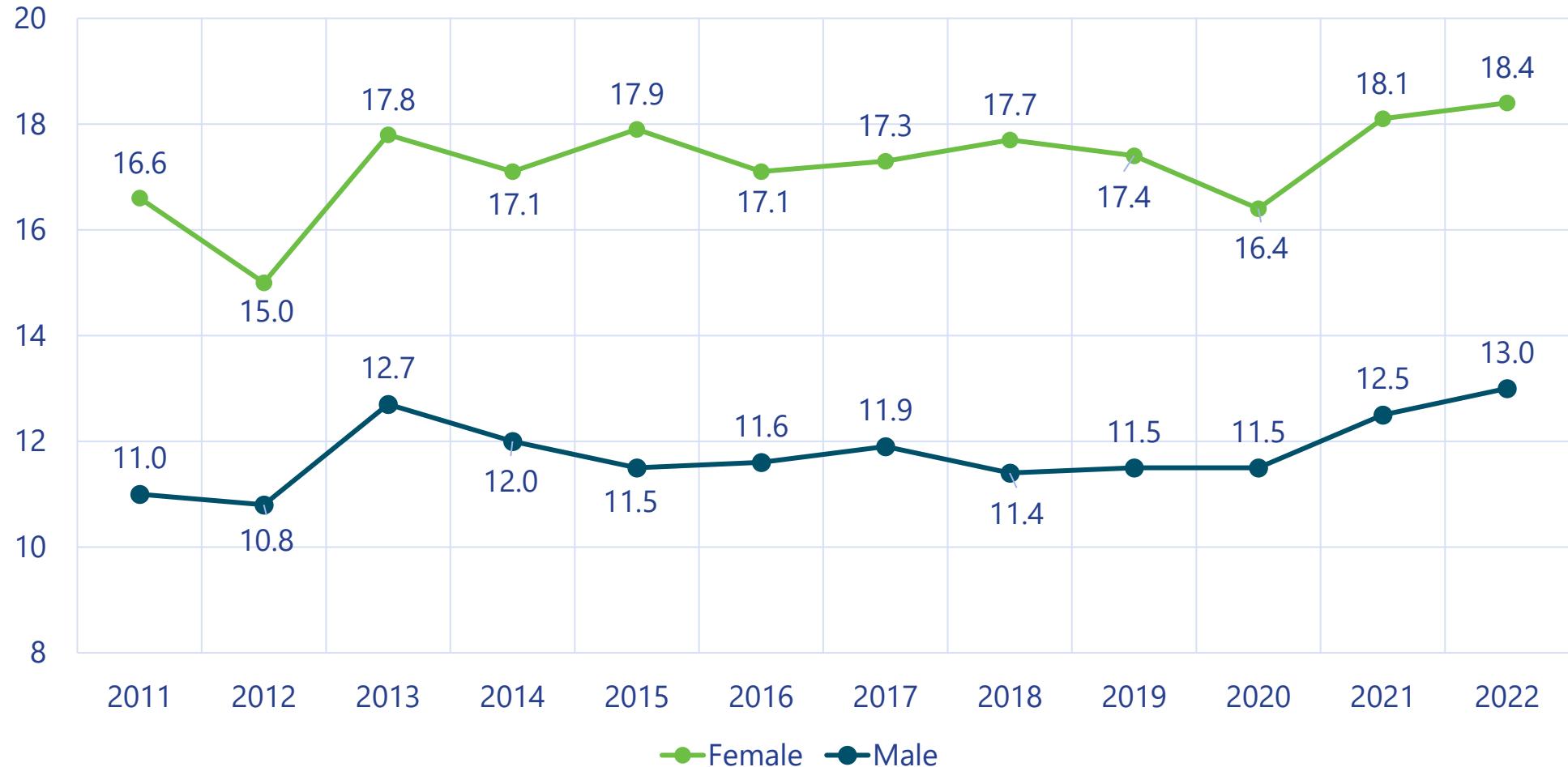
Source:
Lifetime Asthma from BRFSS 2011 to 2022 response of 'Yes' to the question, "Has a doctor, nurse, or health professional told you that you ever had asthma? (Weighted Age-Adjusted Prevalence)

³ [CDC and Indiana Department of Health Office of Data & Analytics \[IDOH ODA\]](#). (2024). *Behavioral Risk Factor Surveillance System Prevalence Data, 2022*.

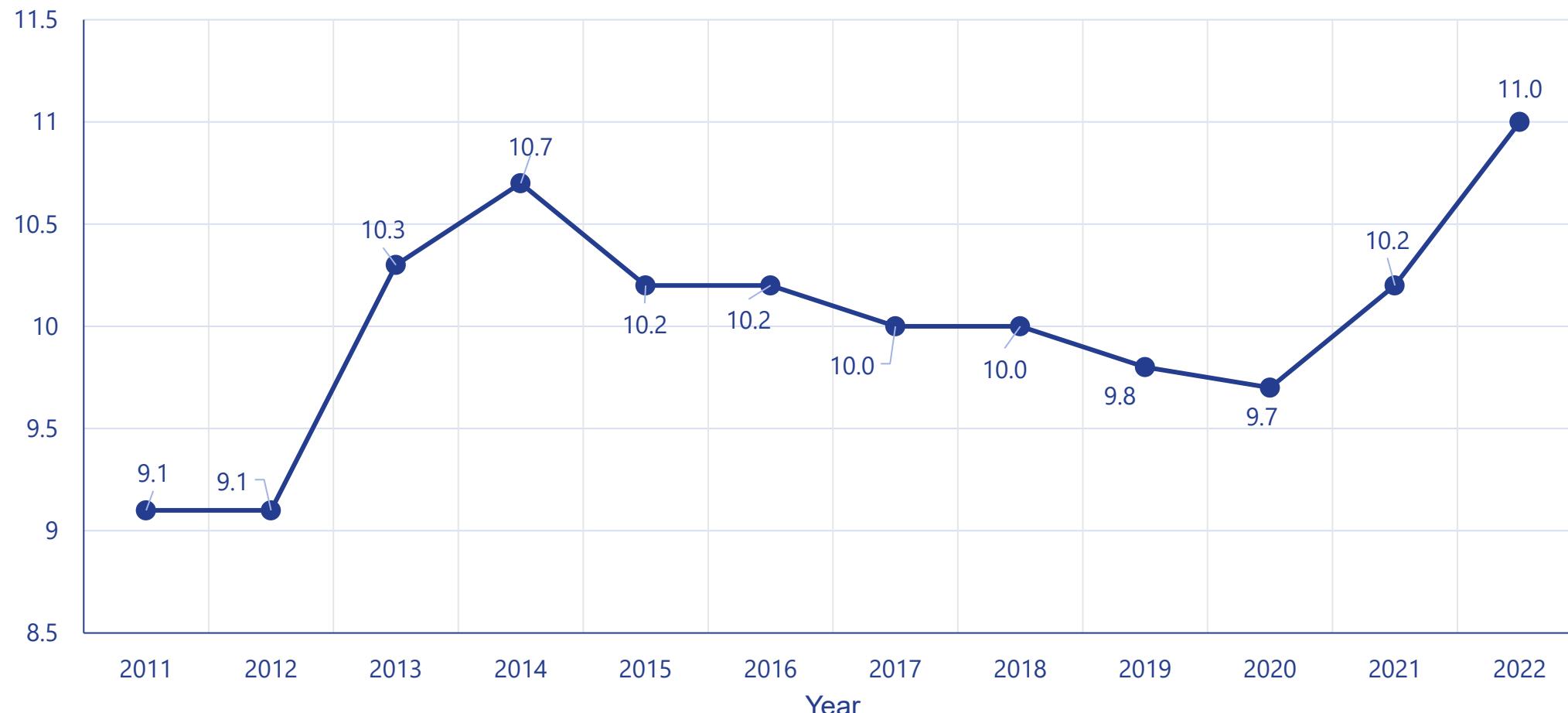
Prevalence of lifetime asthma among adults [18+] by gender, Indiana, 2011-2022

Source:
Lifetime Asthma from BRFSS
2011 to 2022 response of 'Yes'
to the question, "Has a doctor,
nurse, or health professional
told you that you ever had
asthma? (Weighted Age-
Adjusted Prevalence)

³ [CDC](#) and [Indiana Department of Health Office of Data & Analytics](#) [IDOH ODA]. (2024). *Behavioral Risk Factor Surveillance System Prevalence Data, 2022*.



Prevalence of current asthma among adults [18+], Indiana, 2011-2022



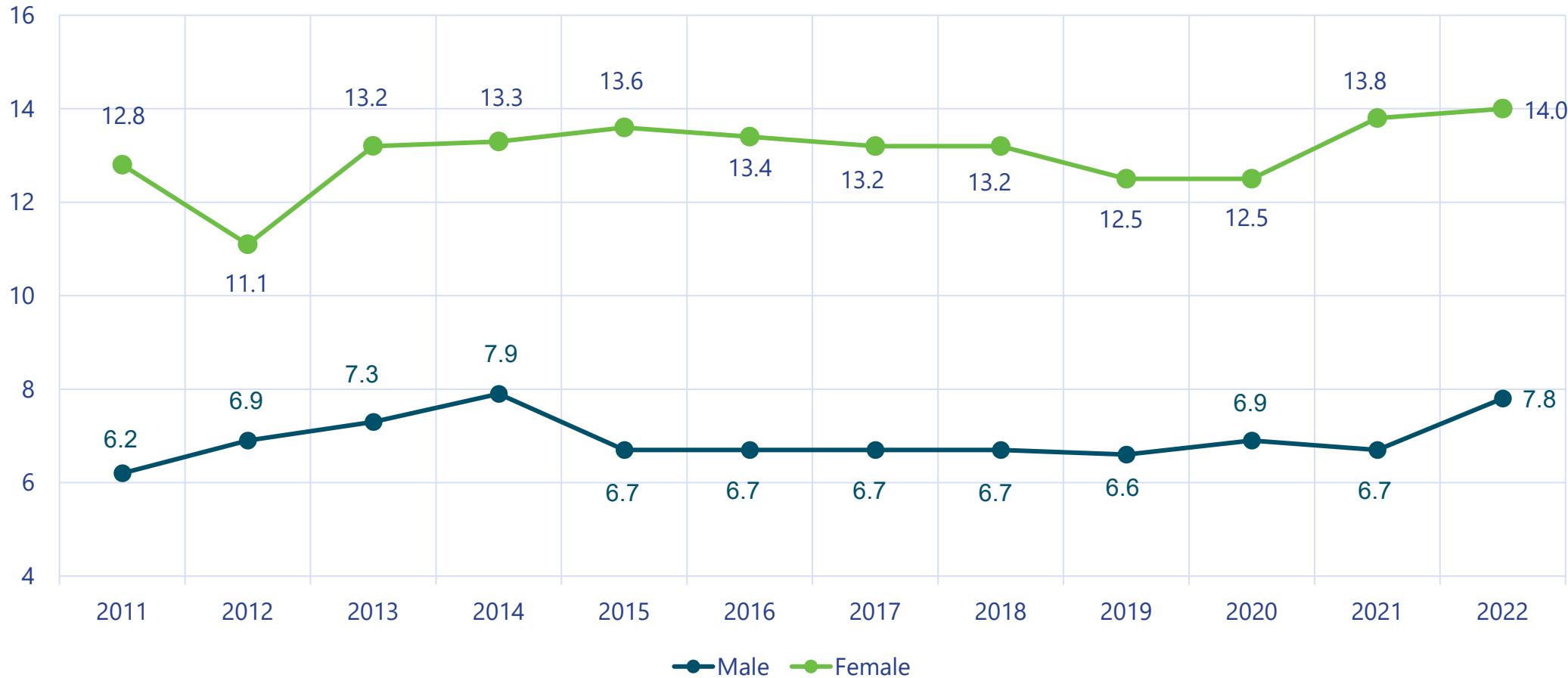
Sources:
Current Asthma from BRFSS 2011 to 2022 response of 'Yes' to the question, "Has a doctor, nurse, or health professional told you that you currently have asthma? (Weighted Age-Adjusted Prevalence)

3 [CDC](#) and [Indiana Department of Health Office of Data & Analytics](#) [IDOH ODA]. (2024). *Behavioral Risk Factor Surveillance System Prevalence Data, 2022*.

Prevalence of current asthma among adults [18+] by gender, Indiana, 2011-2022

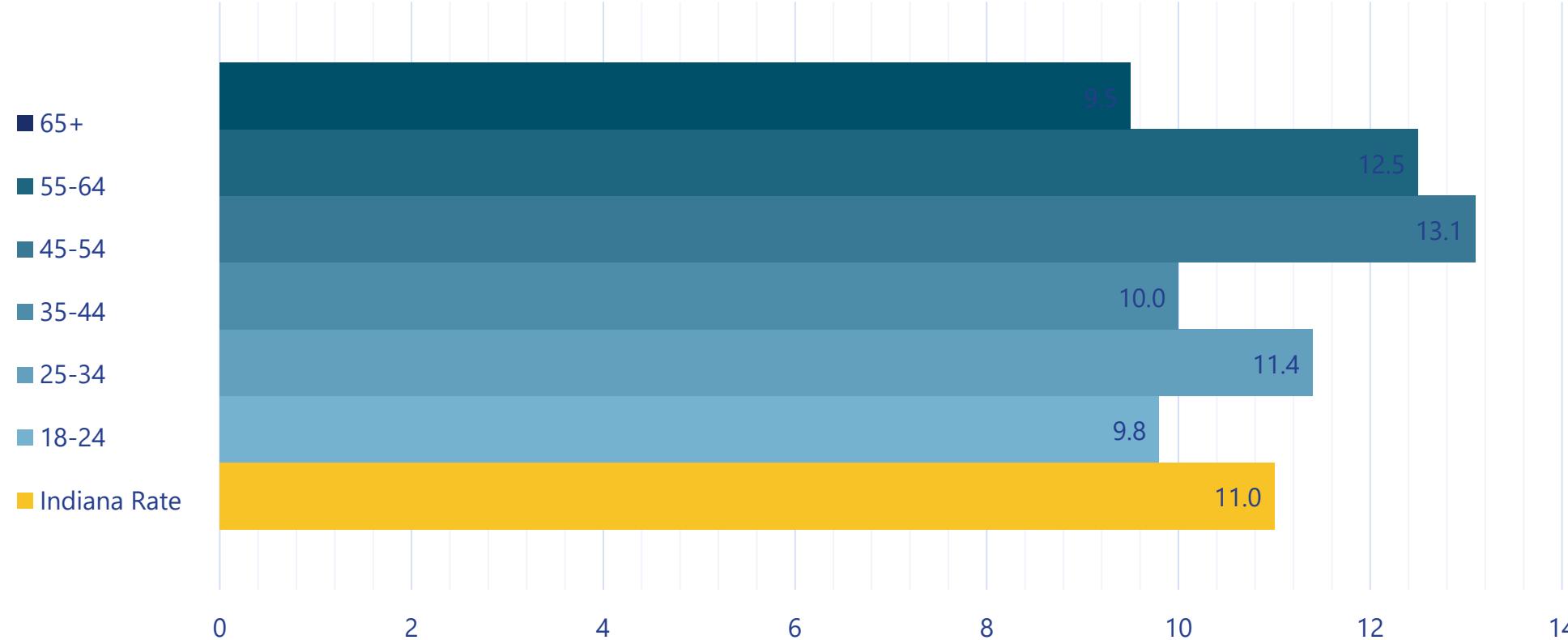
Source:
Current Asthma from BRFSS 2011 to 2022 response of 'Yes' to the question, "Has a doctor, nurse, or health professional told you that you currently have asthma? (Weighted Age-Adjusted Prevalence – By Gender)

3 [CDC](#) and [Indiana Department of Health Office of Data & Analytics \[IDOH ODA\]](#). (2024). *Behavioral Risk Factor Surveillance System Prevalence Data, 2022*.



Indiana
Department
of
Health

Prevalence of current asthma among adults [18+] by age groups, Indiana, 2022



Source:
Current Asthma from BRFSS 2022 response of 'Yes' to the question, "Has a doctor, nurse, or health professional told you that you currently have asthma? (Weighted Age-Adjusted Prevalence – By Age Groups)

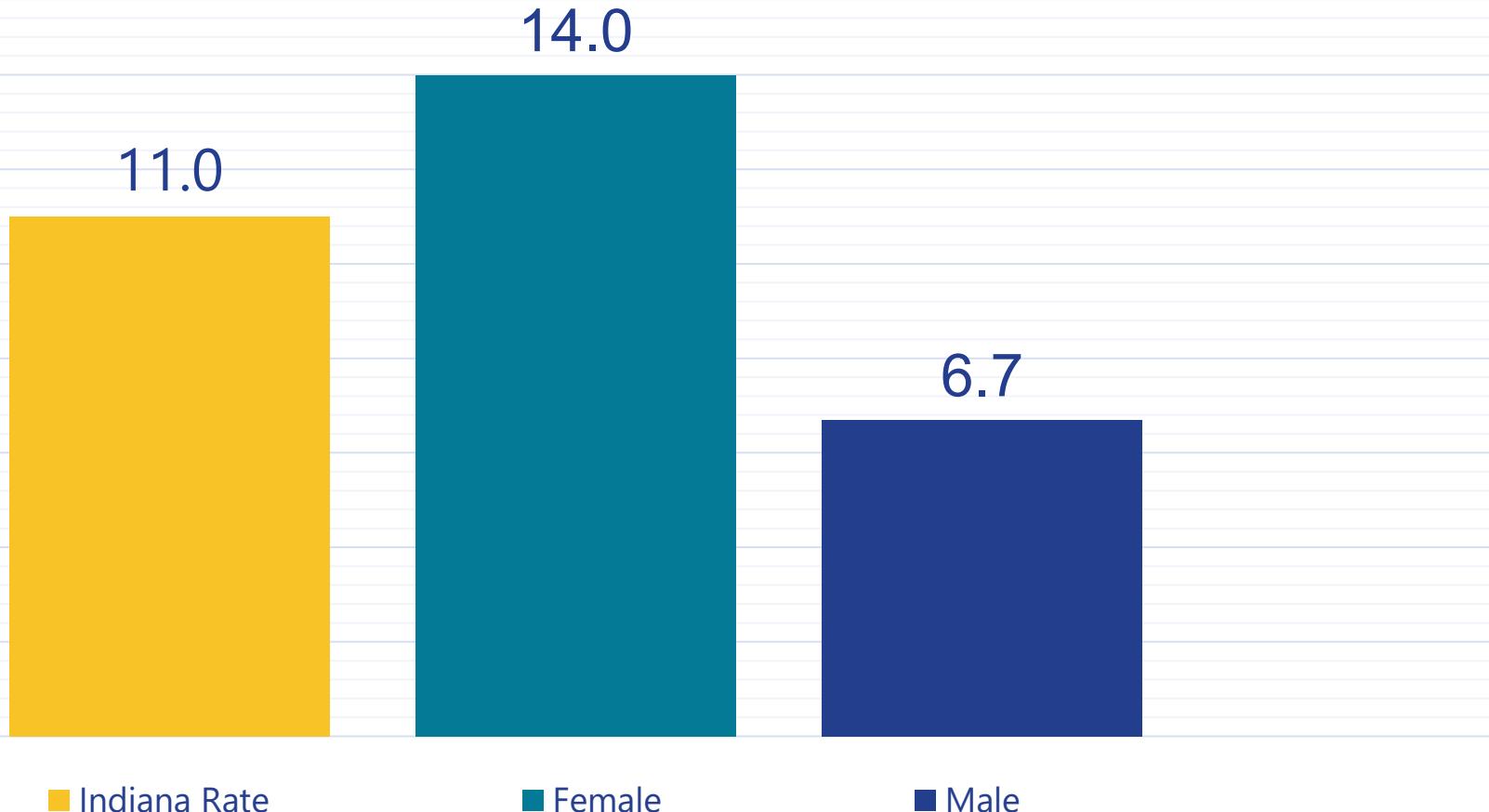
³ [CDC and Indiana Department of Health Office of Data & Analytics \[IDOH ODA\]](#). (2024). *Behavioral Risk Factor Surveillance System Prevalence Data, 2022*.

Prevalence of current asthma among adults [18+] by gender, Indiana, 2022

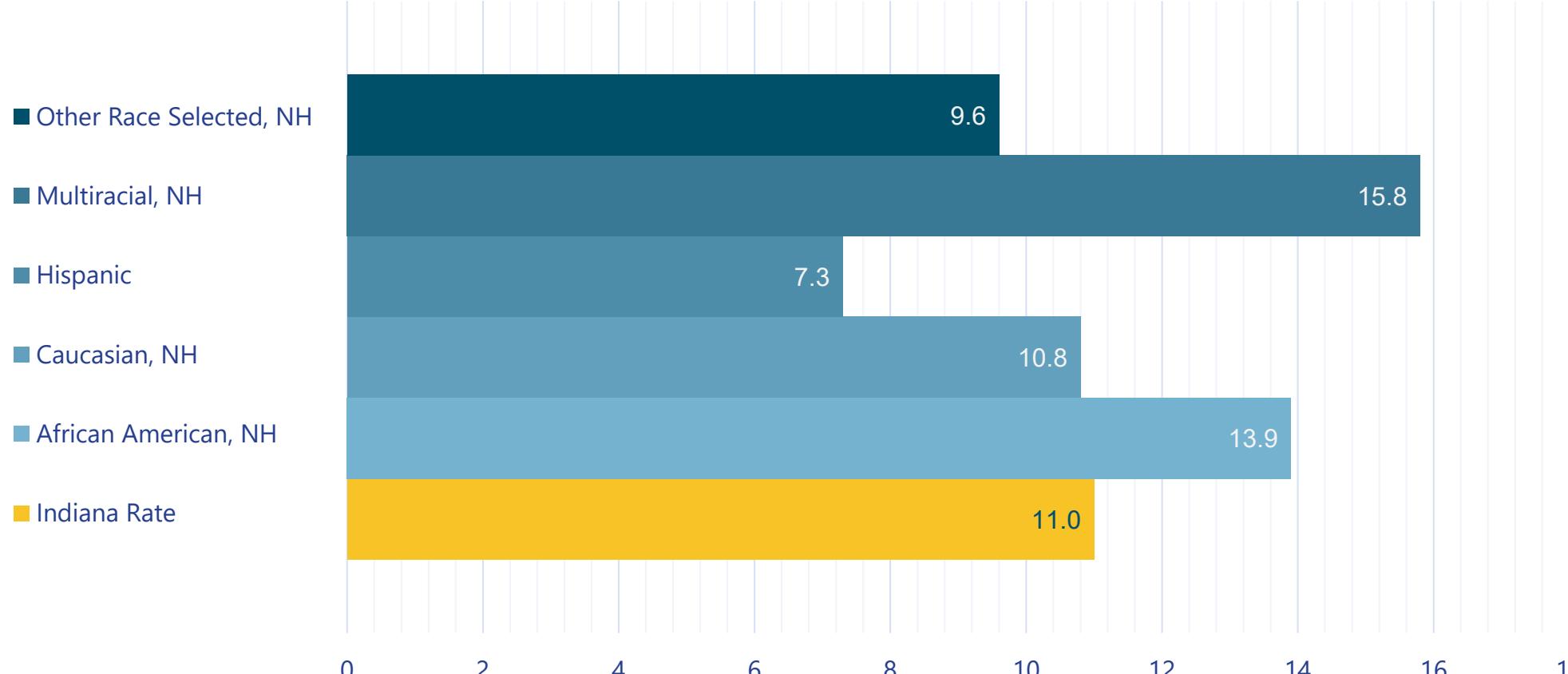
Source:

Current Asthma from BRFSS 2022 response of 'Yes' to the question, "Has a doctor, nurse, or health professional told you that you currently have asthma? (Weighted Age-Adjusted Prevalence – By Gender)

4 [CDC and Indiana Department of Health Office of Data & Analytics \[IDOH ODA\]](#). (2024). *Behavioral Risk Factor Surveillance System Prevalence Data, 2022*.



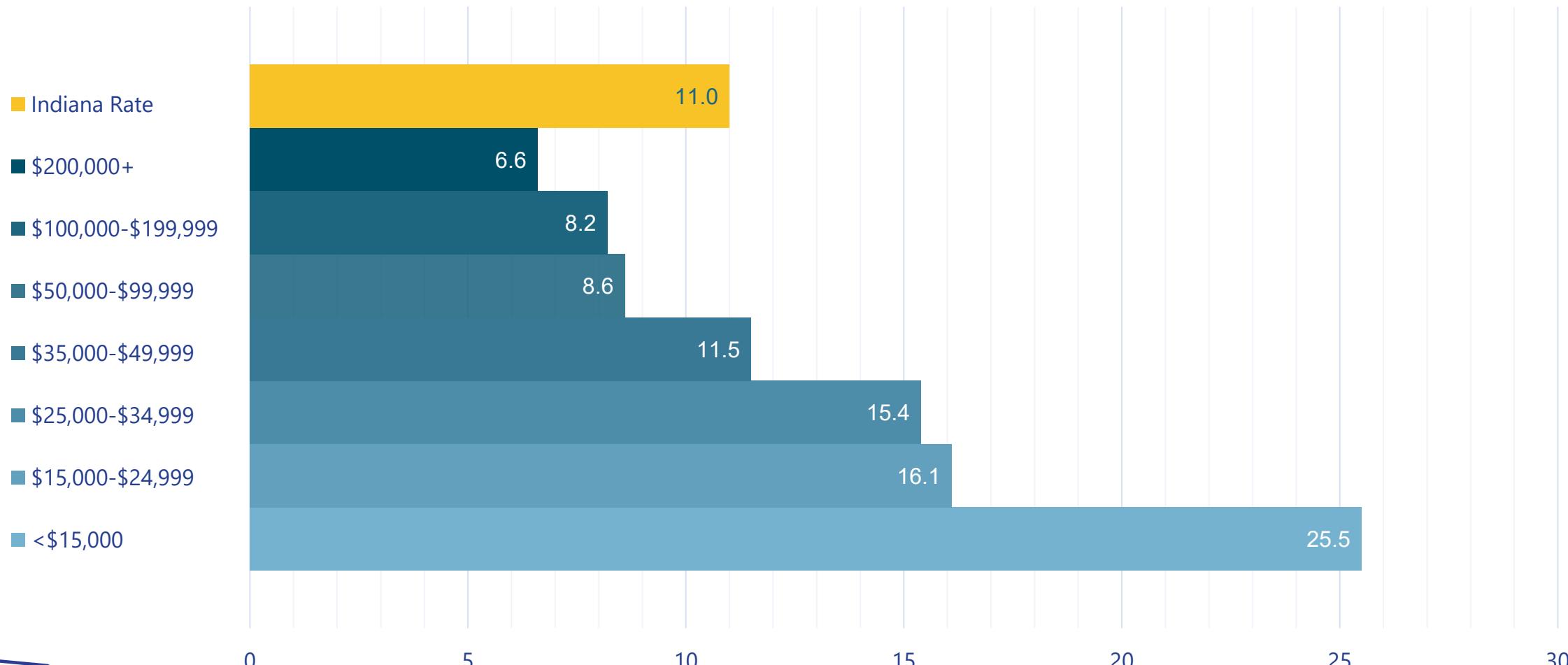
Prevalence of current asthma among adults [18+] by race and ethnicity, Indiana, 2022



Source:
Current Asthma from BRFSS 2022 response of 'Yes' to the question, "Has a doctor, nurse, or health professional told you that you currently have asthma? (Weighted Age-Adjusted Prevalence – By Age Groups)

³ [CDC and Indiana Department of Health Office of Data & Analytics \[IDOH ODA\]](#). (2024). *Behavioral Risk Factor Surveillance System Prevalence Data, 2022*.

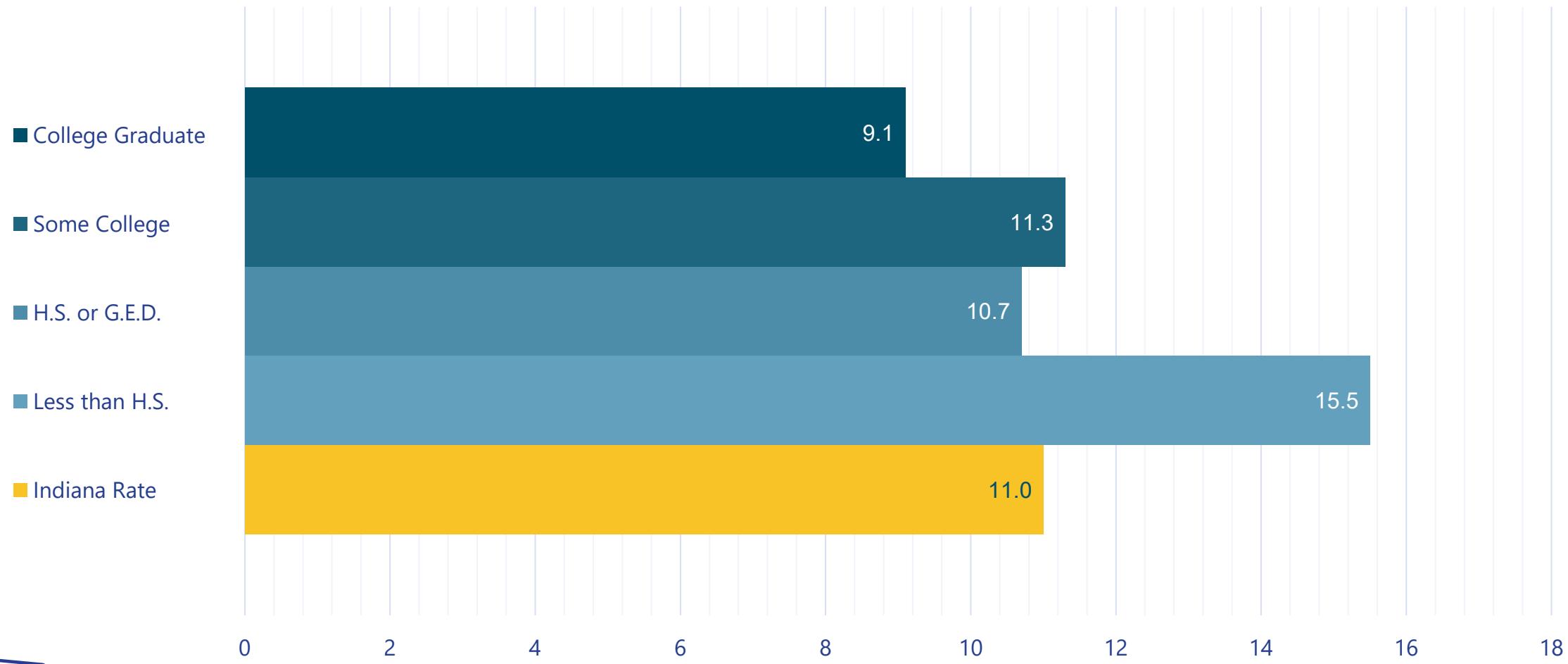
Prevalence of current asthma among adults [18+] by household income, Indiana, 2022



Indiana
Department
of
Health

Source: Current Asthma from BRFSS 2022 response of 'Yes' to the question, "Has a doctor, nurse, or health professional told you that you currently have asthma? (Weighted Age-Adjusted Prevalence – By Household Income)

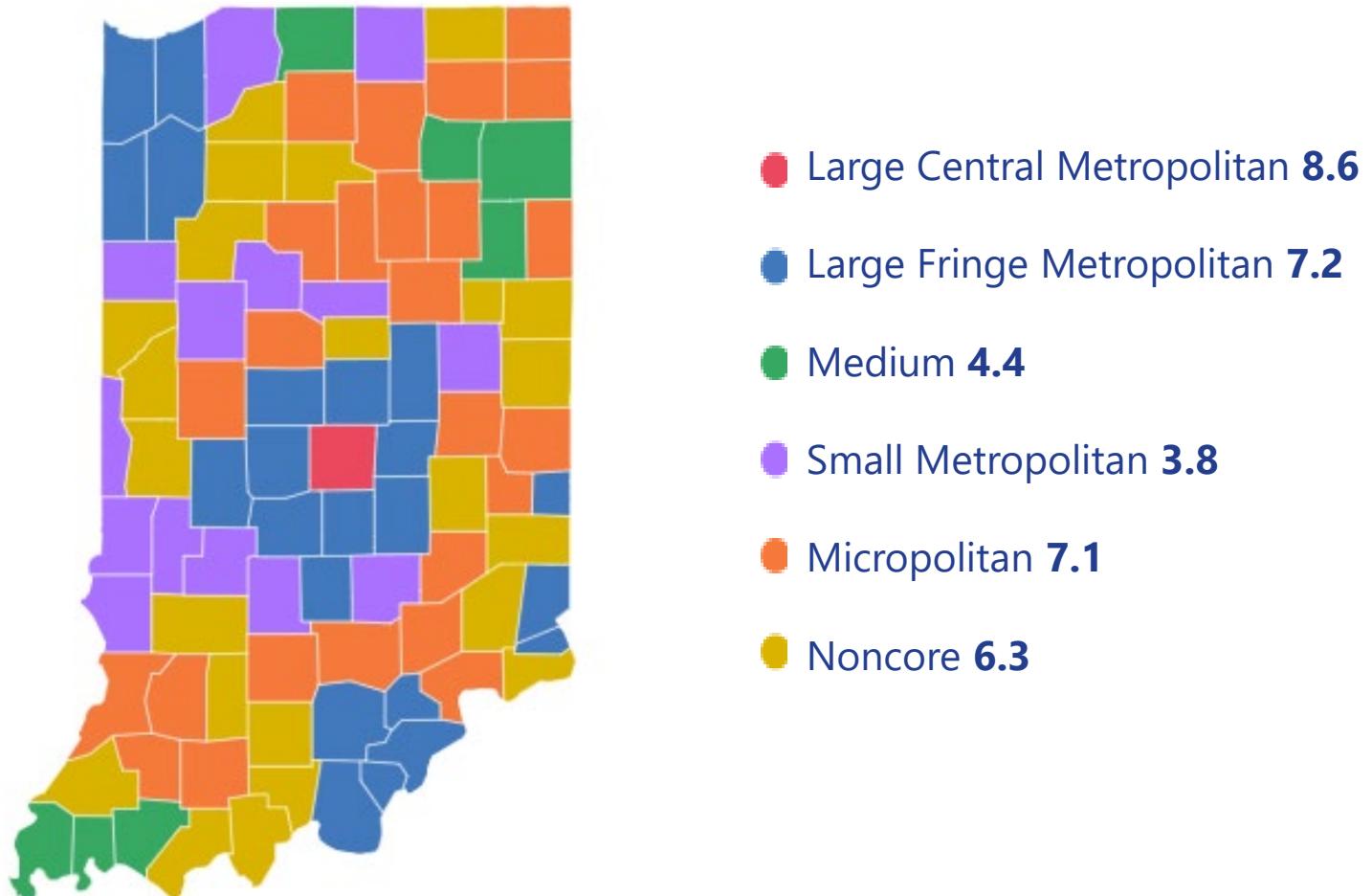
Prevalence of current asthma among adults [18+] by educational attainment, Indiana, 2022



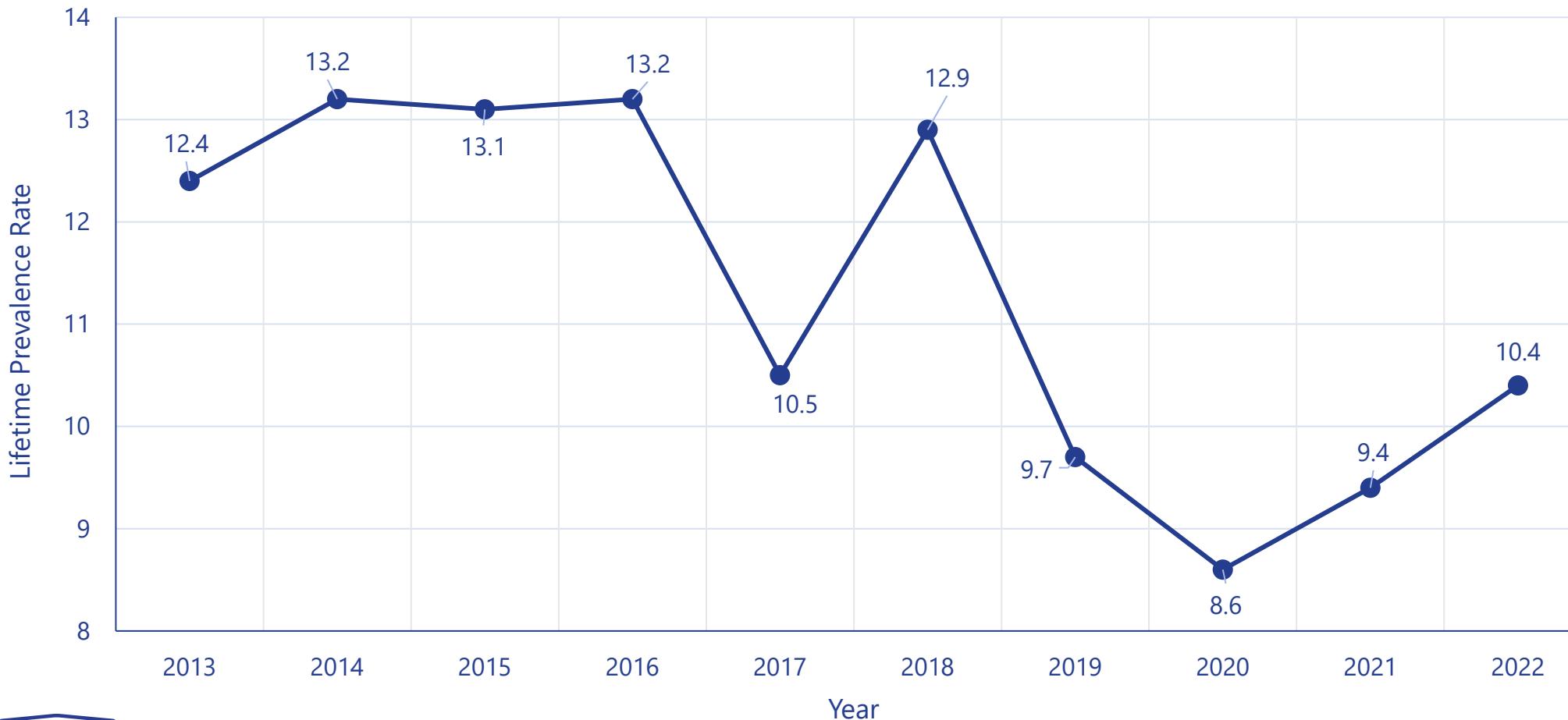
Asthma in Children

- Approximately one in 12 (8.2%) Indiana children, ages 0 to 17 are currently diagnosed with asthma
- Approximately one in 10 (10.4%) Indiana children, ages 0 to 17 have been told they have asthma at some point in their life
- White children have a significantly lower prevalence rate than Black and Hispanic children
- Asthma prevalence variation over the years can partially be explained by changes in sample size

Prevalence of current asthma among children by urban-rural classification of counties, Indiana, 2019-2021



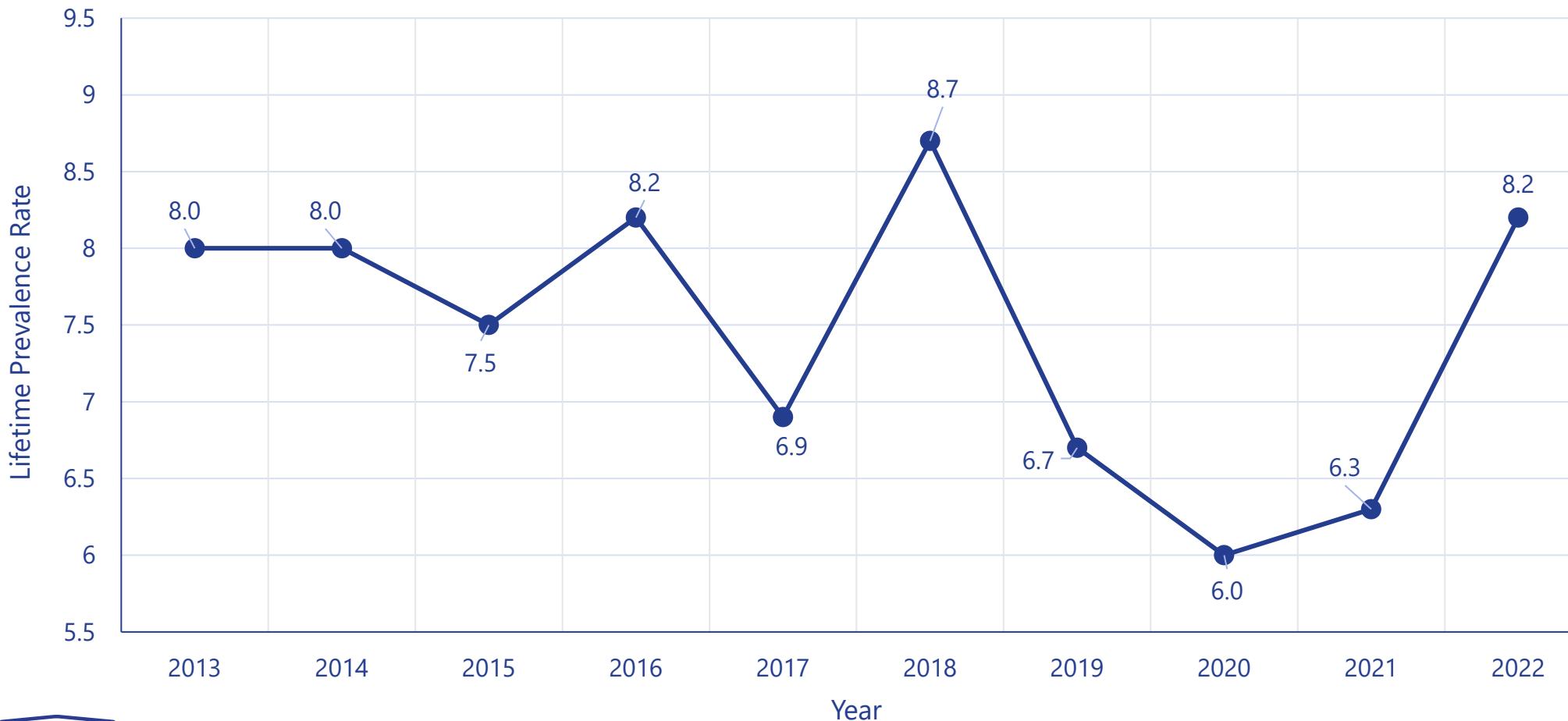
Prevalence of lifetime asthma among children [0-17 years old], Indiana, 2013-2022



Source: Lifetime Asthma from BRFSS 2013- 2022 response of 'Yes' to the question, "Has a doctor, nurse, or health professional told you that you ever had asthma? (Weighted Age-Adjusted Prevalence)

³ [CDC and Indiana Department of Health Office of Data & Analytics \[IDOH ODA\]](#). (2024). *Behavioral Risk Factor Surveillance System Prevalence Data, 2022*.

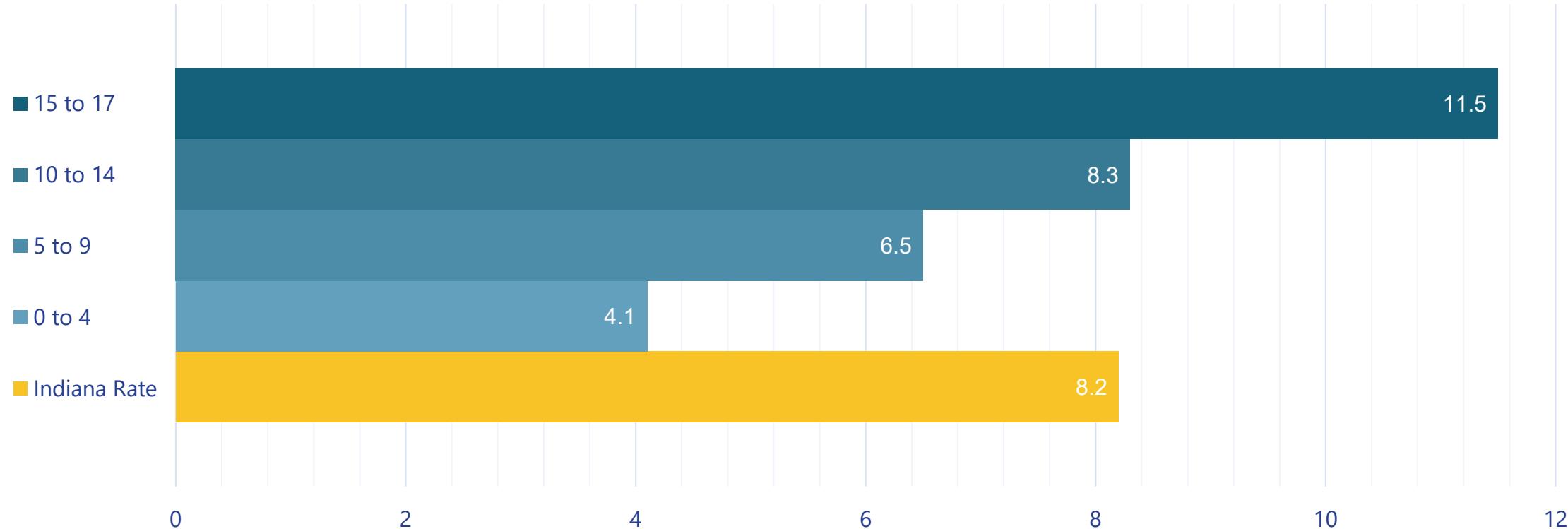
Prevalence of current asthma among children [0-17 years old], Indiana, 2013-2022



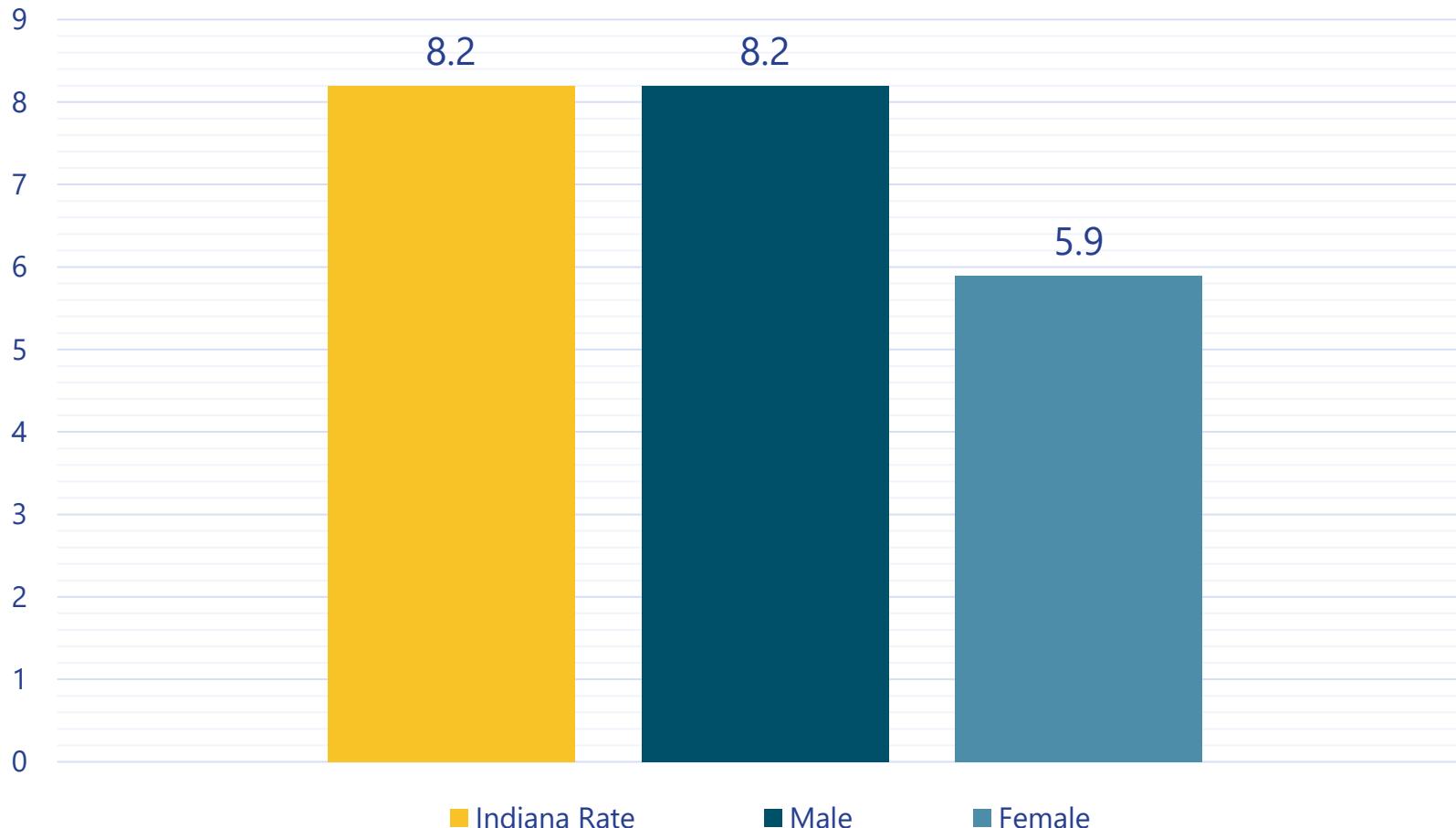
Source: Current Asthma from BRFSS 2013 to 2022 response of 'Yes' to the question, "Has a doctor, nurse, or health professional told you that you currently have asthma? (Weighted Age-Adjusted Prevalence)

³ [CDC and Indiana Department of Health Office of Data & Analytics \[IDOH ODA\]](#). (2024). *Behavioral Risk Factor Surveillance System Prevalence Data, 2022*.

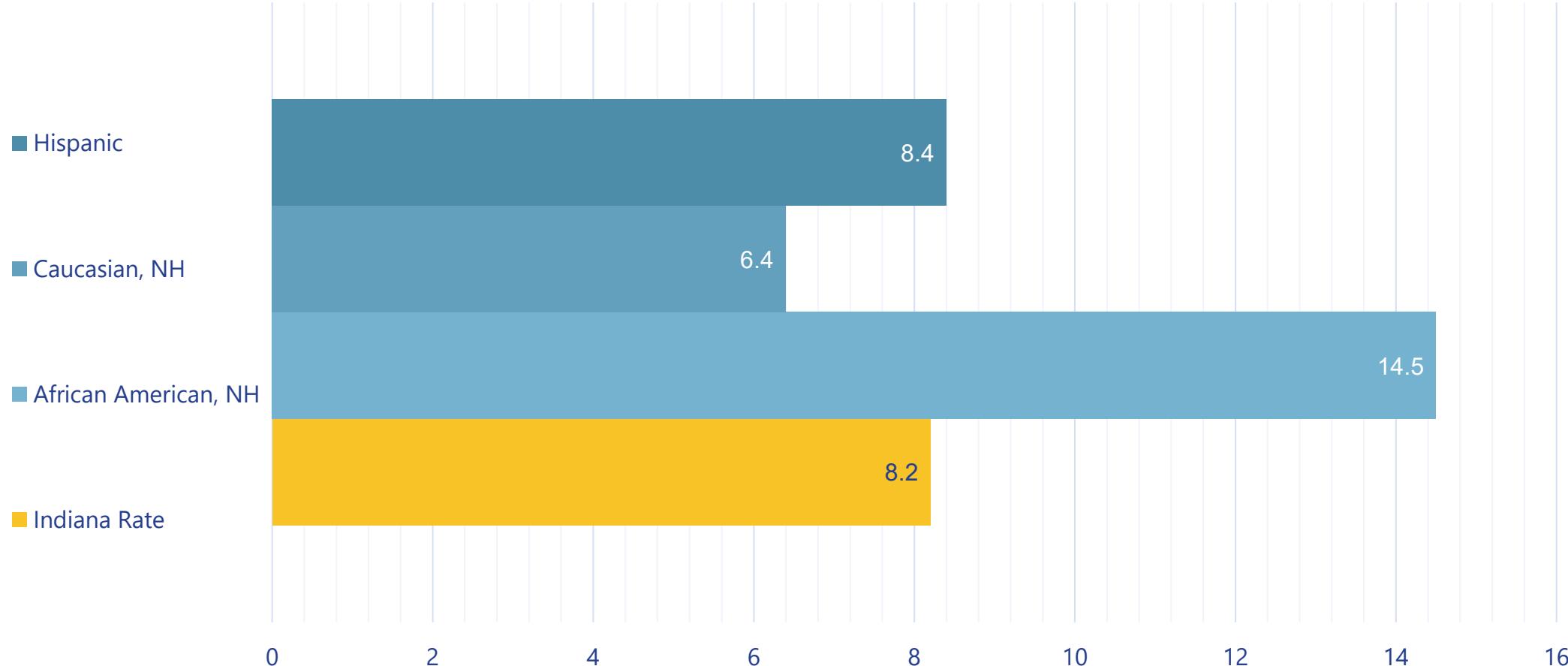
Prevalence of current asthma among children [0-17 years old] by age group, Indiana, 2022



Prevalence of current asthma among children [0-17 years old] by gender, Indiana, 2022



Prevalence of current asthma among children [0-17 years old] by race and ethnicity, Indiana, 2022



Asthma Management and Education



Asthma self-management education among Hoosiers with current asthma (2021) – weighted

Has a doctor or other health professional EVER	Adults who Responded 'Yes'	Child with a 'Yes' Response
Taught how to recognize early signs or symptoms of an asthma episode?	63.63% ↑	75.24% ↑
Taught what to do during an asthma episode or attack?	73.42% ↑	81.38%
Taught how to use a peak flow meter to adjust your daily medications?	39.10%	54.30% ↑
Given you an Asthma Action Plan?	28.29% ↑	61.92% ↑
Have You....		
Ever taken a course or class on how to manage your asthma?	7.61% ↑	20.65% ↑

Activity Limitations and Missed Work or School Days



Missed workdays and activity limitations among Hoosiers with current asthma (2021)

Have you...	Adults Who Responded 'Yes' ⁹	Child with a 'Yes' Response
Missed Days of Work (School) or Usual Activities?	15.36%	 18.84%
Activity Limitations?	33.82%	 36.5%

Missed workdays and activity limitations among Hoosiers with current asthma (2021)

Activity Limitations and Missed Workdays	Adults Who Responded 'Yes' ⁹
During the past 30 days, would you say you limited your usual activities due to asthma?	33.82%
During the past 12 months, were you unable to carry out your usual activities because of your asthma?	15.36%
Asthma caused or made worse by current job?	11.61%
Asthma caused or made worse by any job?	44.94%

Home Environmental Changes



Home environmental changes made among Hoosiers with current asthma (2021)

Environment	Adults Who Responded 'Yes' ⁹	Child with a 'Yes' Response
Has a health professional ever advised you to change things in your home, school, or work to improve your asthma?	22.11%	25.88%
Is an exhaust fan that vents to the outside used regularly when cooking in your home?	67.52%	64.89%
Is gas used for cooking?	47.34%	45.19%
In your bathroom, do you regularly use an exhaust fan that vents to the outside?	67.52%	62.68%

Home environmental changes made among Hoosiers with current asthma (2021)

Environment	Adults Who Responded 'Yes' ⁹	Child with a 'Yes' Response
Do you use a mattress cover that is made especially for controlling dust mites?	38.24% ↑ 38.24%	50.84% ↑ 50.84%
Do you use a pillow cover that is made especially for controlling dust mites?	24.77%	39.25% ↑ 39.25%
Do you have carpeting or rugs in your bedroom?	65.03% ↑ 65.03%	58.33%
Is an air cleaner or purifier regularly used inside your home?	33.24% ↑ 33.24%	49.86% ↑ 49.86%
Is a dehumidifier regularly used to reduce moisture inside your home?	27.46%	41.69% ↑ 41.69%

Home Environmental Factors



Home environmental factors among Hoosiers with current asthma (2021)

Environment	Adults Who Responded 'Yes' ⁹	Child with a 'Yes' Response
In the past 30 days, has anyone seen a cockroach inside your home?	3.54%	*
In the past 30 days, has anyone seen mice or rats inside your home?	7.91%	*
In the past 30 days, has anyone seen or smelled mold or a musty odor inside your home?	7.71%	5.06%
Does your household have pets such as dogs, cats, hamsters, birds, or other feathered or furry pets that spend time indoors?	↑ 70.25%	71.78%
Are pets allowed in your bedroom?	↑ 54.87%	51.84%
In the past week, has anyone smoked inside your home?	↑ 17.74%	↑ 8.60%

Cost Barriers



Cost barriers

Was there a time in the past 12 months when you...	Adults Who Responded 'Yes' ⁹	Child with a 'Yes' Response
Needed to see your primary care doctor for your asthma but could not because of the cost?	3.17%	*
Needed to buy medication for your asthma but could not because of the cost?	7.47%	*
Were referred to a specialist for asthma care but could not go because of the cost?	1.57%	*

Work Environment



Asthma symptoms and aggravation from work environment

Are/Were there	Adults Who Responded 'Yes' ⁹
Are your asthma symptoms MADE WORSE by things like chemicals, smoke, dust, or mold in your CURRENT job?	10.28%
Was your asthma first CAUSED by things like chemicals, smoke, dust, or mold in your CURRENT job?	1.33%
Were your asthma symptoms MADE WORSE by things like chemicals, smoke, dust, or mold, in any PREVIOUS job you ever had?	31.75%
Was your asthma first CAUSED by things like chemicals, smoke, dust, or mold in any PREVIOUS job you ever had?	13.19%



3 CDC and Indiana Department of Health Office of Data & Analytics [IDOH ODA]. (2024). *Behavioral Risk Factor Surveillance System Prevalence Data, 2022*.

9 CDC .(2024) Behavioral Risk Factor Surveillance System Asthma Call-Back Survey, 2021.

*Yellow arrows within the table represent an increase or decrease in percentage when compared to previously surveyed respondents.

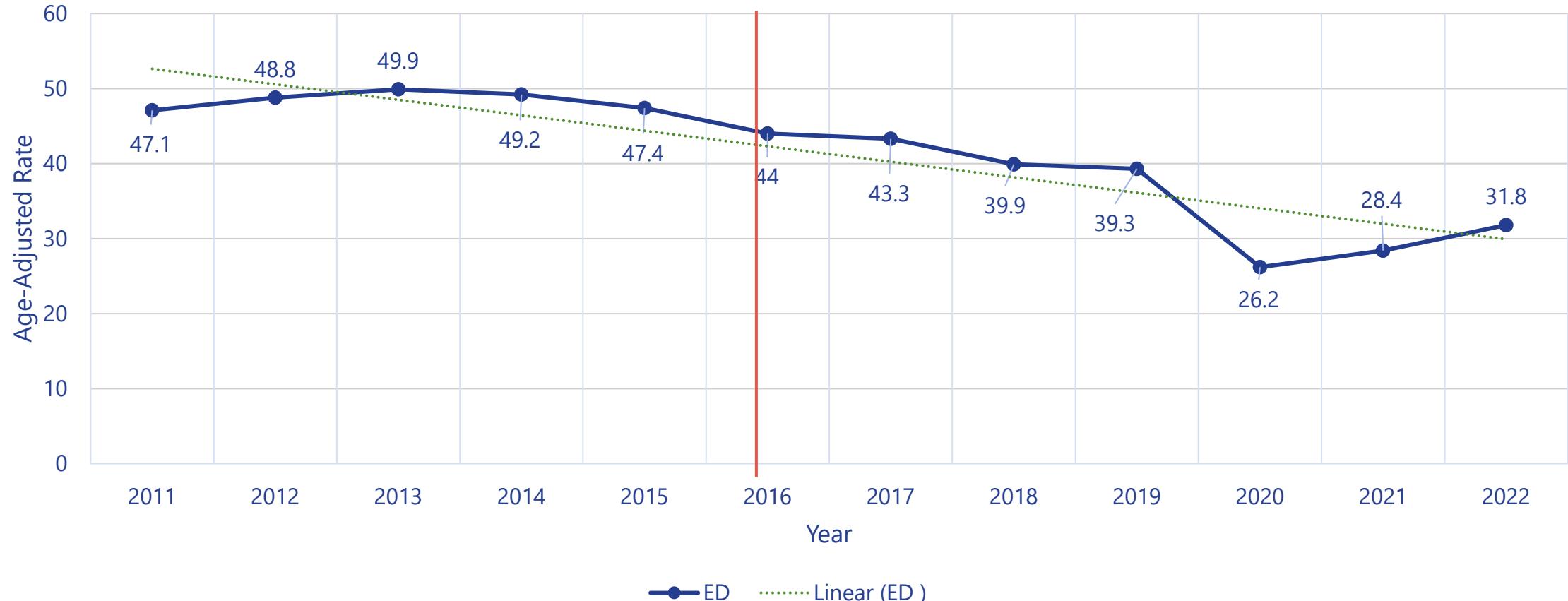
Asthma symptoms and aggravation from work environment

Are/Were there	Adults Who Responded 'Yes' ⁹
Did you ever lose or quit a job because things in the workplace, like chemicals, smoke, dust, or mold, caused your asthma or made your asthma symptoms worse?	7.53%
Did you and a doctor or other health professional ever DISCUSS whether your asthma could have been caused by, or your symptoms made worse by, any job you ever had?	 15.66%
Have you ever been TOLD BY a doctor or other health professional that your asthma was caused by, or your symptoms made worse by, any job you ever had?	 10.97%

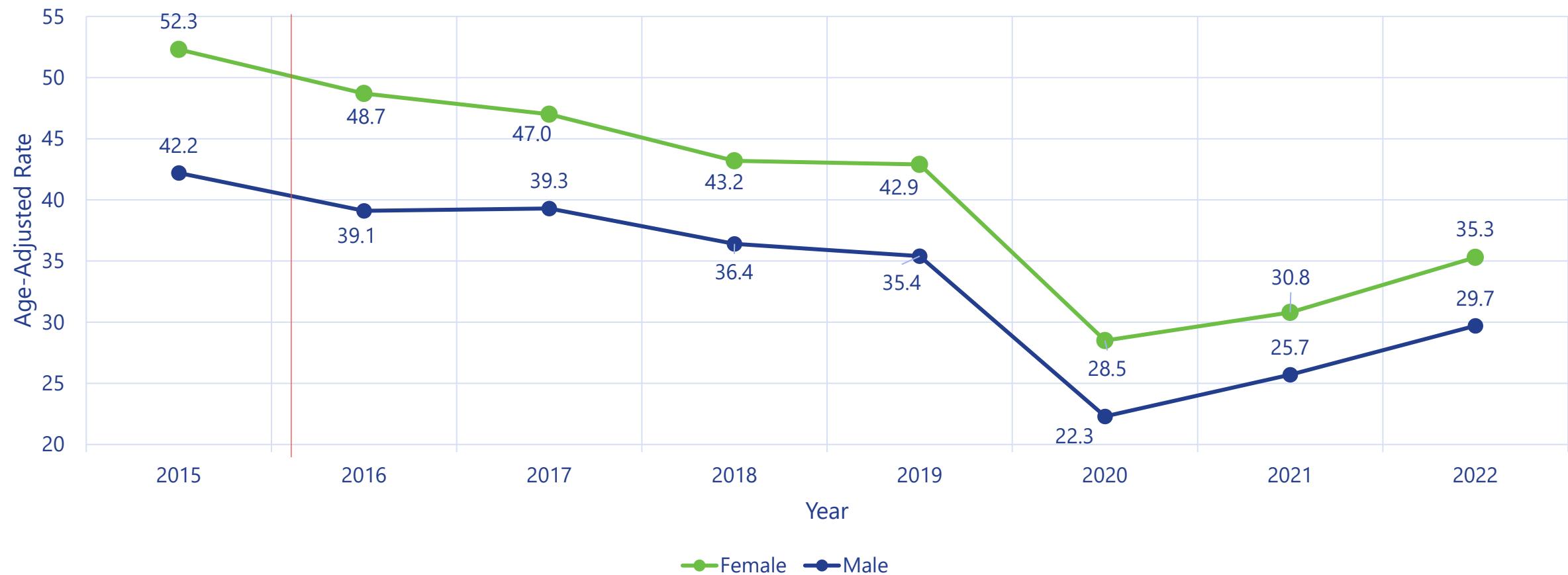
Asthma-Specific Emergency Department Visits



Asthma* ED visit rates,** Indiana, 2011-2022[†]



Asthma* ED visit rates** by sex, Indiana, 2015-2022



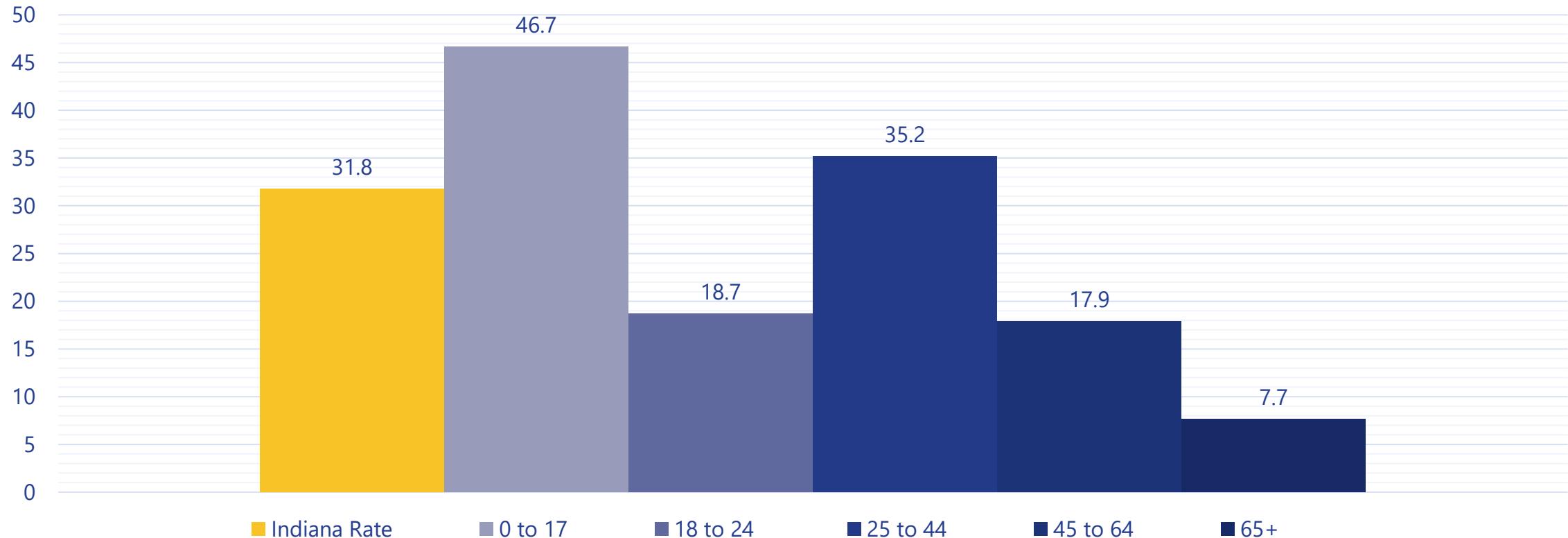
* Primary Diagnosis of Asthma

** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population

[†] In October 2015, Hospitals transitioned from ICD-9 to ICD-10, therefore, estimates made in 2016 or later should not be compared to earlier rate estimates.

⁷ Indiana Department of Health Data Analysis Team [IDOH DAT]. (2024). Indiana Hospital Discharge Data, 2022.

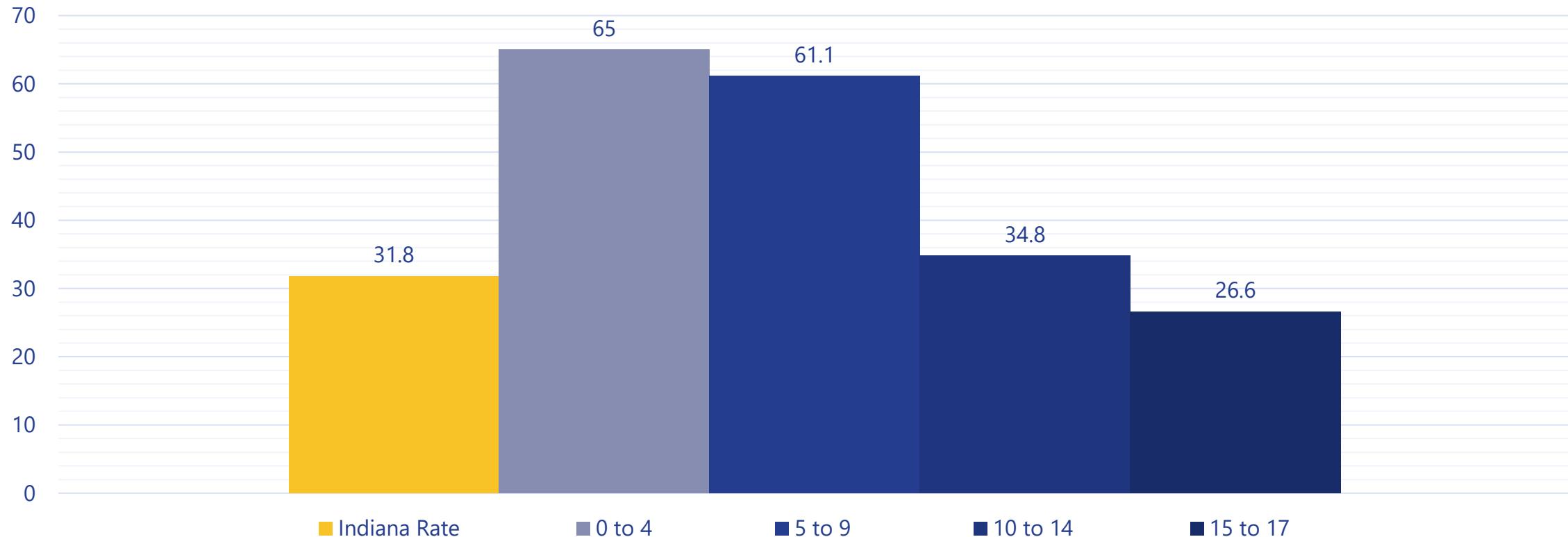
Age distribution of asthma* ED visits, Indiana, 2022 (20,241 total ED visits)



* Primary Diagnosis of Asthma

** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population

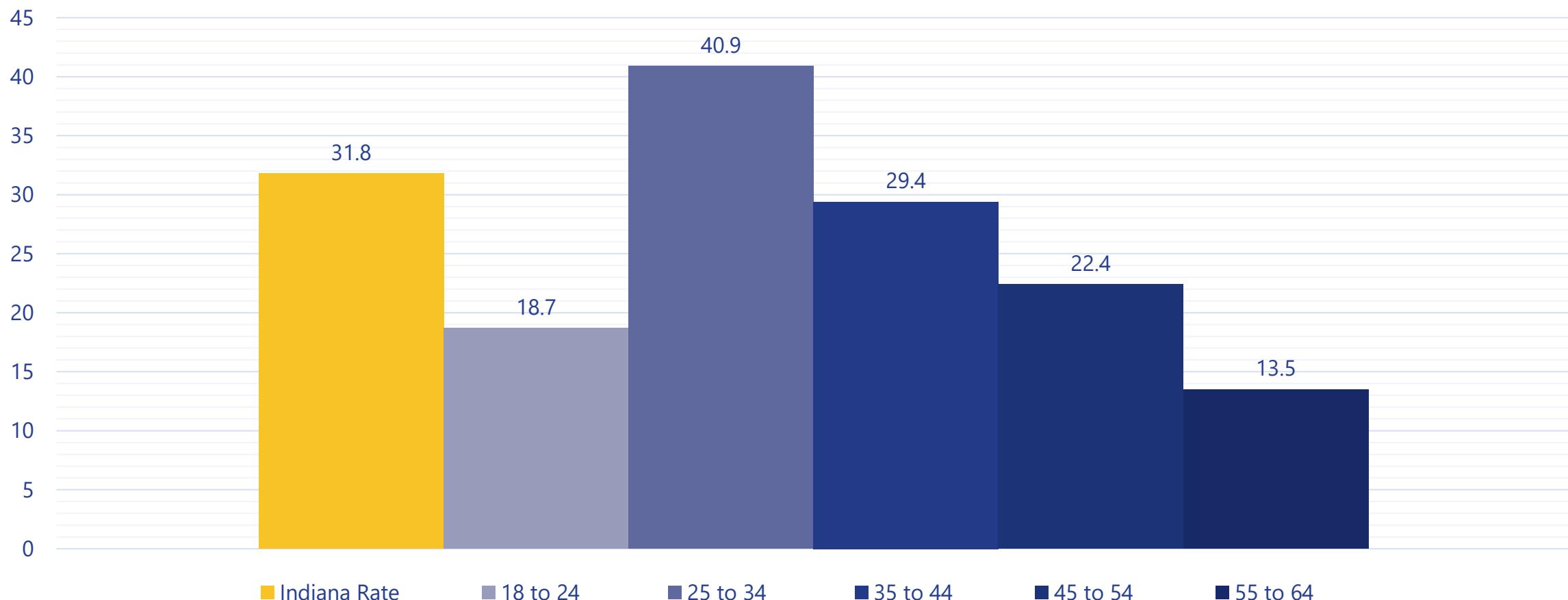
Child (0 to 17) Age distribution of asthma* ED visits, Indiana, 2021 (7,557 ED visits)



* Primary Diagnosis of Asthma

** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population

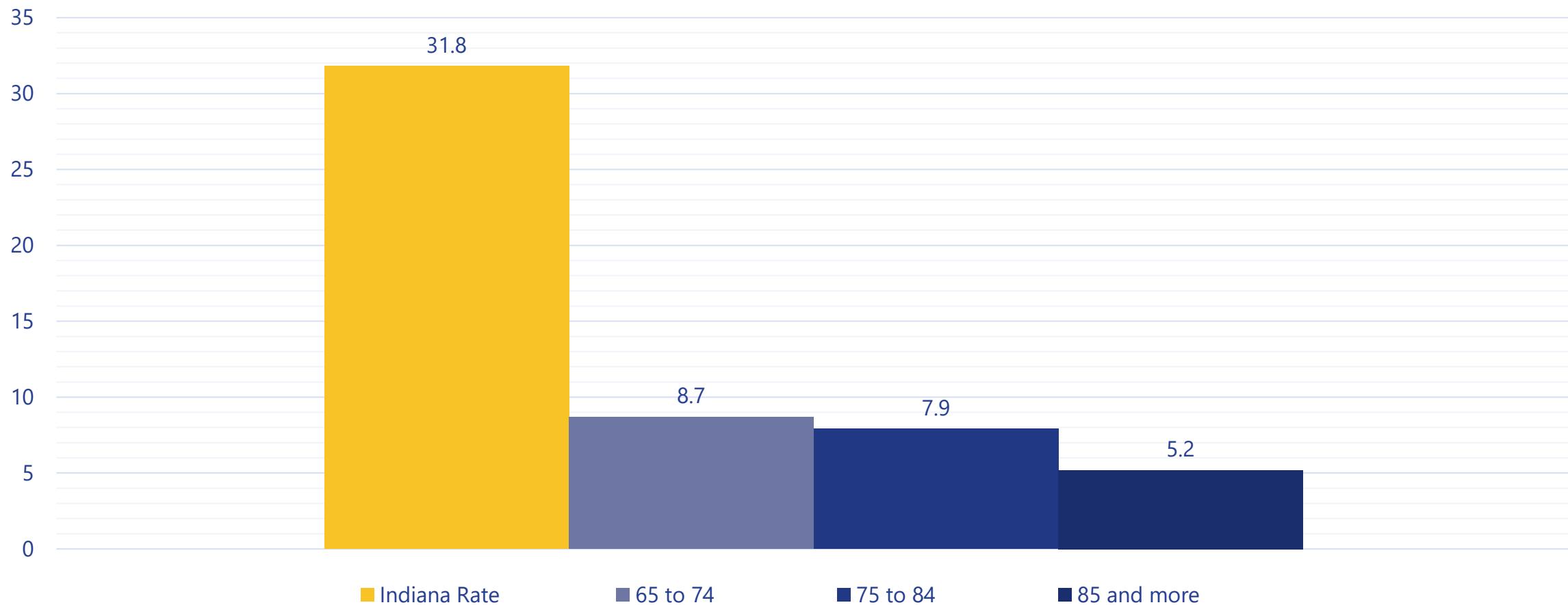
Adult (18 to 64) Age distribution of asthma* ED visits, Indiana, 2021 (11,740 ED visits)



* Primary Diagnosis of Asthma

** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population

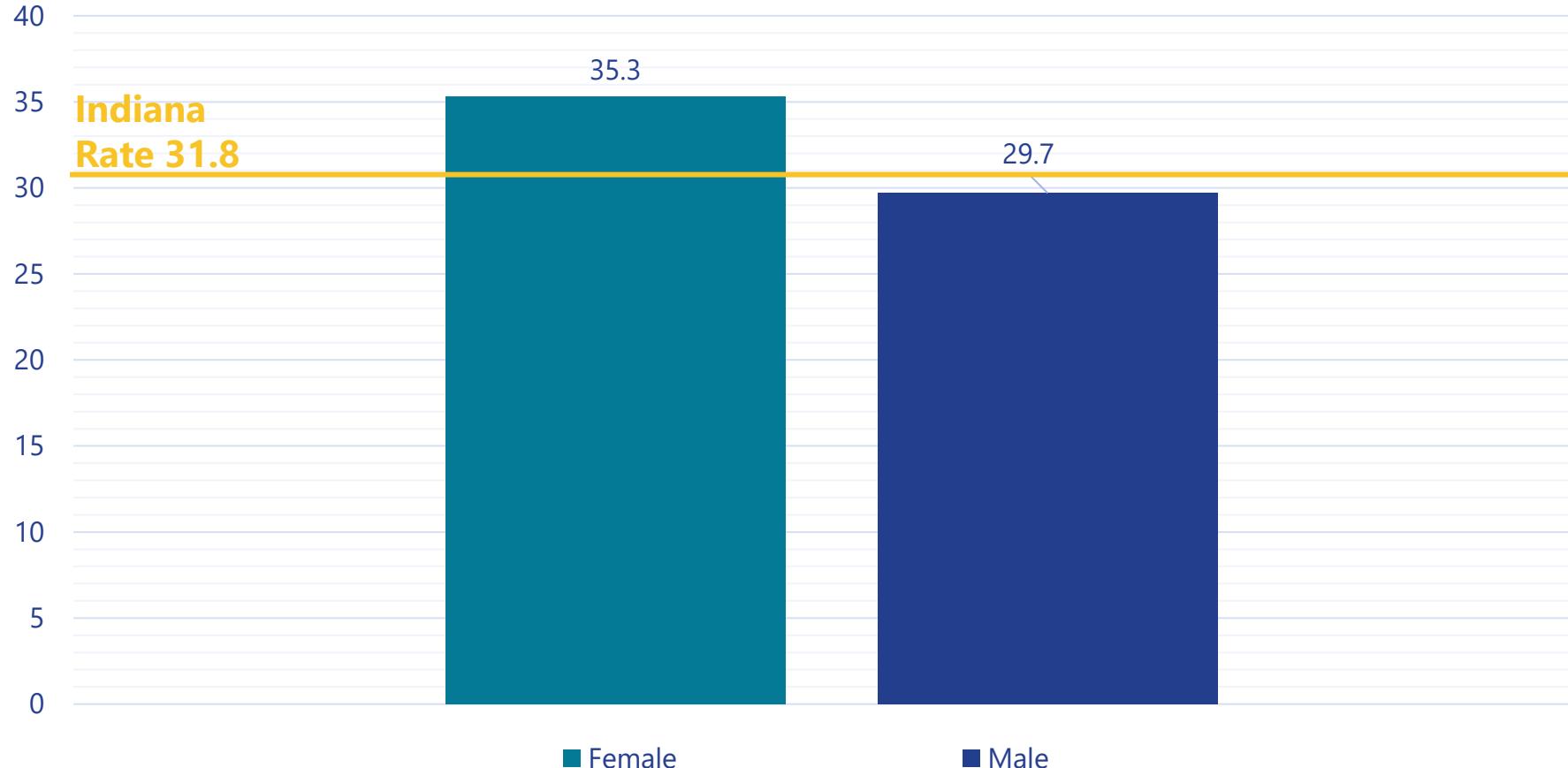
Older Adult (65+) Age distribution of asthma* ED visits, Indiana, 2021 (944 ED visits)



* Primary Diagnosis of Asthma

** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population

Asthma ED visit rates** by sex, Indiana, 2022

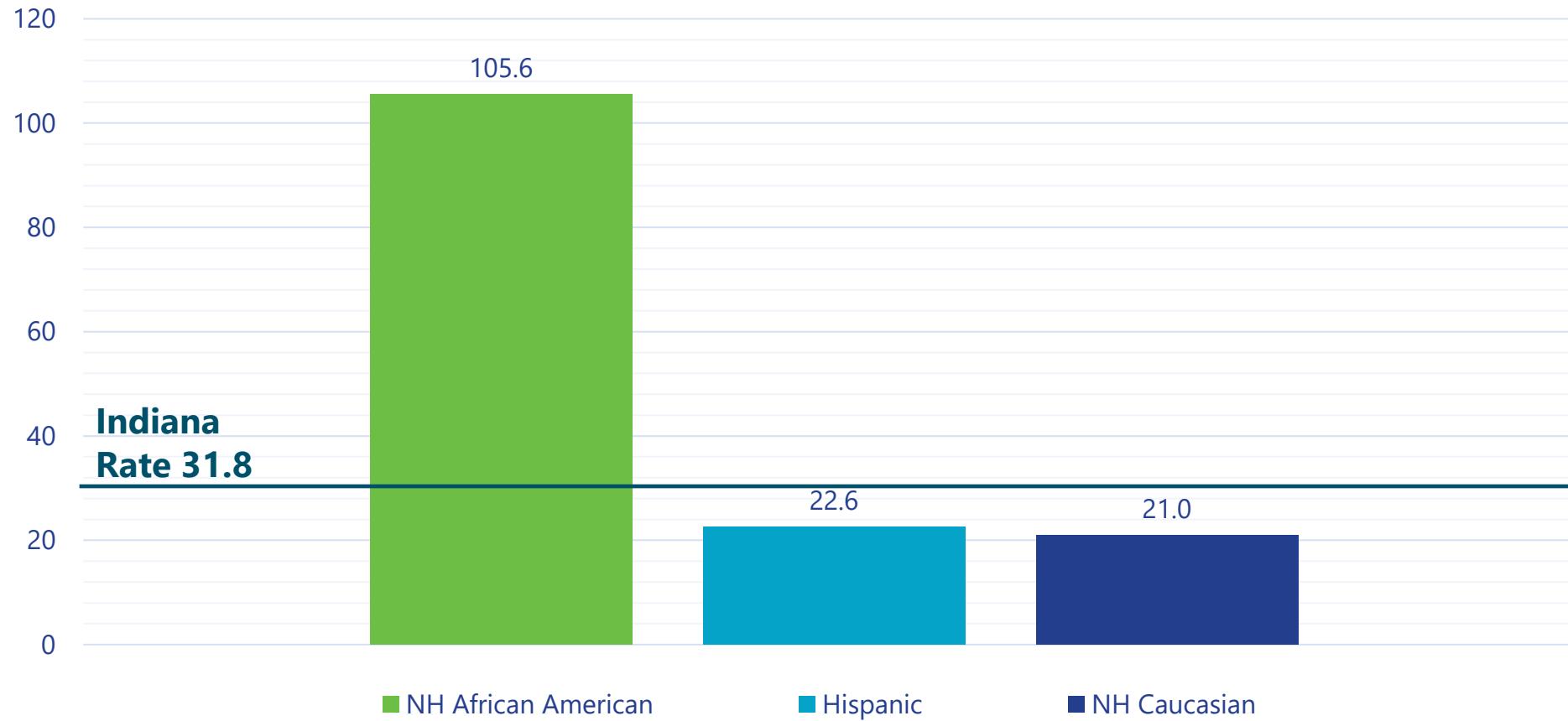


* Primary Diagnosis of Asthma
** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population

[†] In October 2015, Hospitals transitioned from ICD-9 to ICD-10, therefore, estimates made in 2016 or later should not be compared to earlier rate estimates.

⁷ [Indiana Department of Health Data Analysis Team](#) [IDOH DAT]. (2024). Indiana Hospital Discharge Data, 2022.

Asthma* ED Visit Rates** by Race/Ethnicity, Indiana, 2022



* Primary Diagnosis of Asthma
** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population

[†] In October 2015, Hospitals transitioned from ICD-9 to ICD-10, therefore, estimates made in 2016 or later should not be compared to earlier rate estimates.

⁷ Indiana Department of Health Data Analysis Team [IDOH DAT]. (2024). Indiana Hospital Discharge Data, 2022.

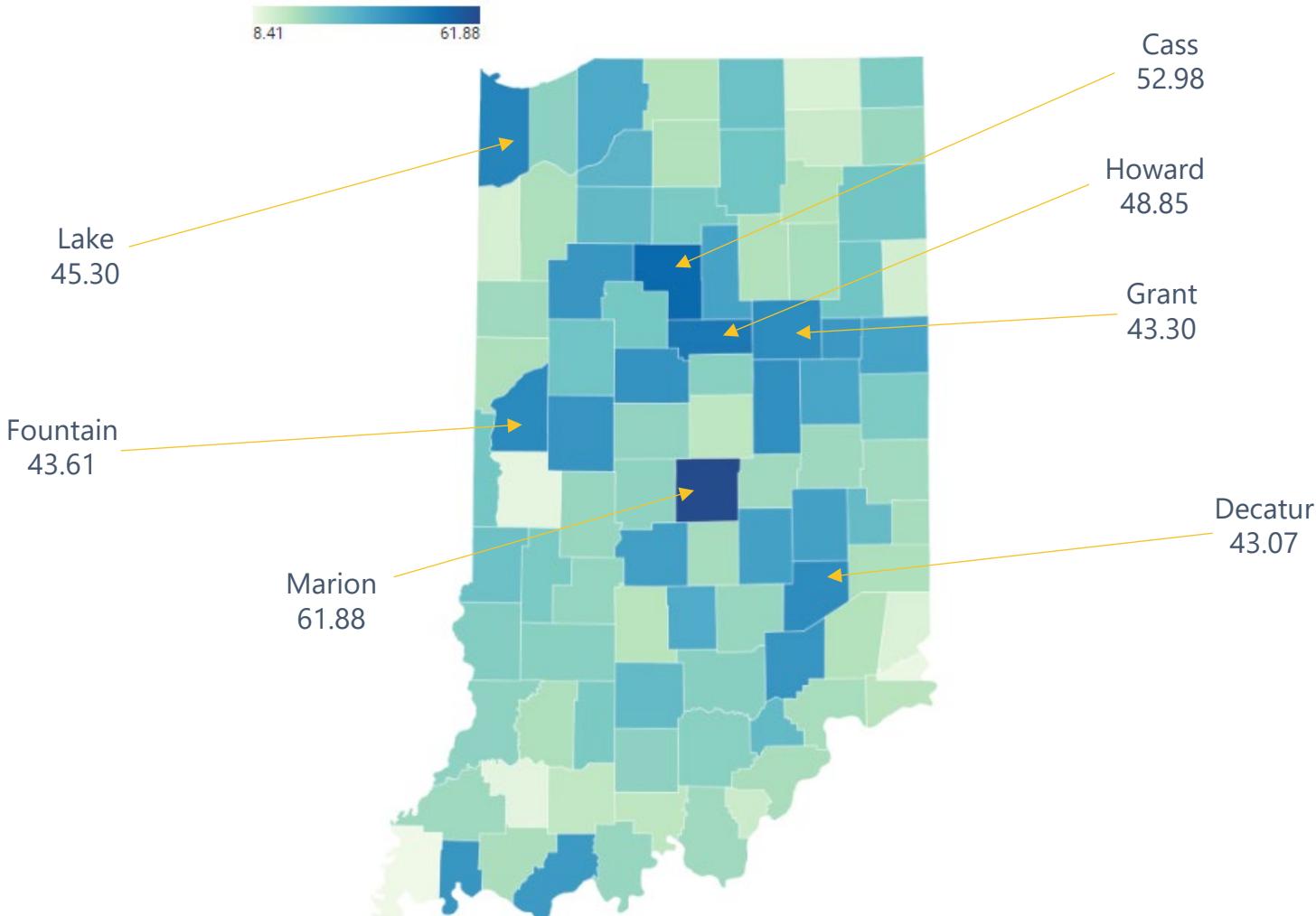
NH, Non-Hispanic

Asthma* ED Visit Rates** by County, Indiana, 2022

* Primary Diagnosis of Asthma
** Age-Adjusted to the U.S.
Standard Population 2000,
Rates per 10,000 Population

[†] In October 2015, Hospitals
transitioned from ICD-9 to ICD-
10, therefore, estimates made in
2016 or later should not be
compared to earlier rate
estimates.

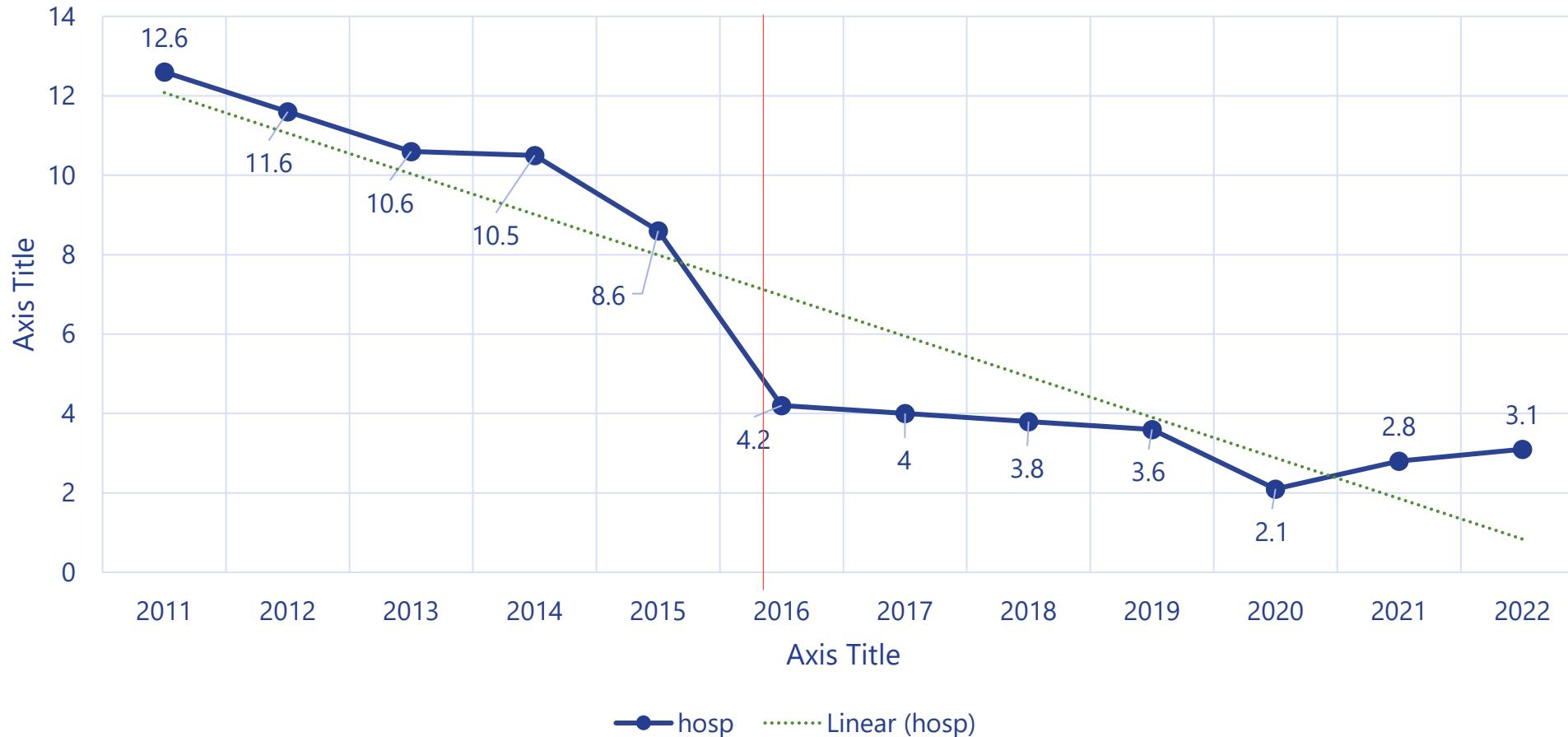
⁷ [Indiana Department of Health
Data Analysis Team](#) [IDOH
DAT]. (2024). Indiana Hospital
Discharge Data, 2022.
Visuals Created Using:
[DataWrapper](#)



Asthma-Specific Inpatient Hospitalizations



Asthma* inpatient hospitalization rates**, Indiana, 2011-2022



* Primary Diagnosis of Asthma

** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population

[†] In October 2015, Hospitals transitioned from ICD-9 to ICD-10, therefore, estimates made in 2016 or later should not be compared to earlier rate estimates.

⁷ Indiana Department of Health Data Analysis Team [IDOH DAT]. (2024). Indiana Hospital Discharge Data, 2022.

Asthma* hospitalization rates** by gender, Indiana, 2015-2022

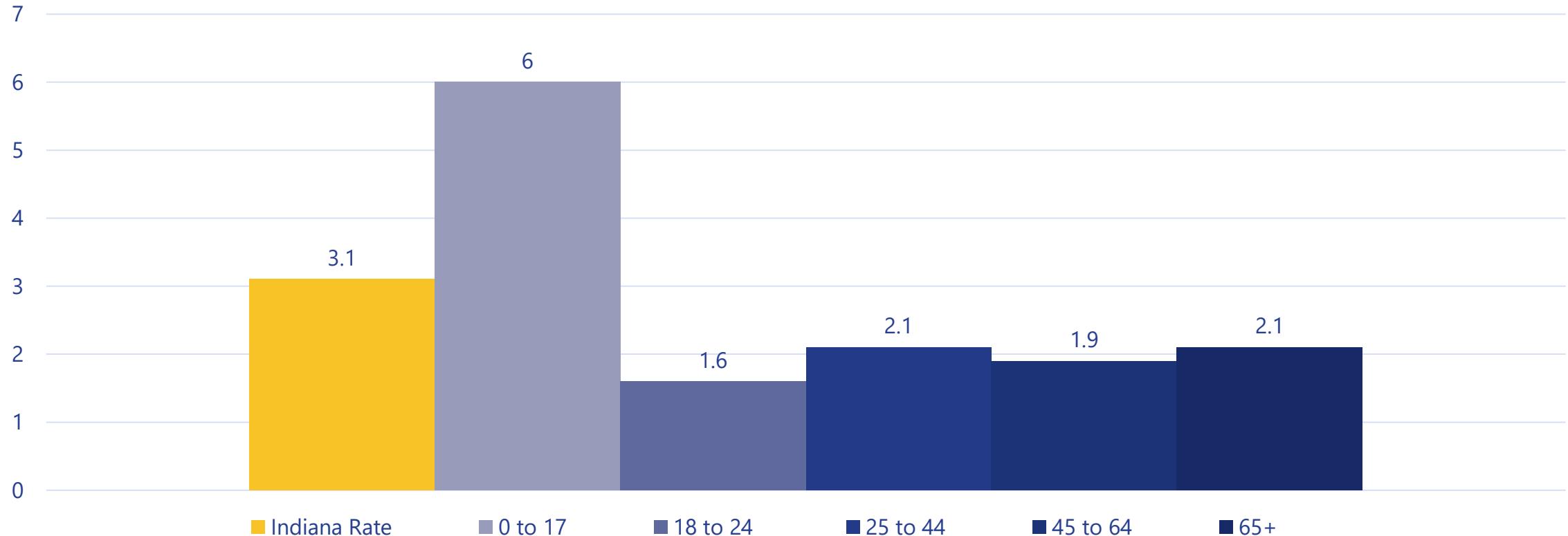


* Primary Diagnosis of Asthma
** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population

[†] In October 2015, Hospitals transitioned from ICD-9 to ICD-10, therefore, estimates made in 2016 or later should not be compared to earlier rate estimates.

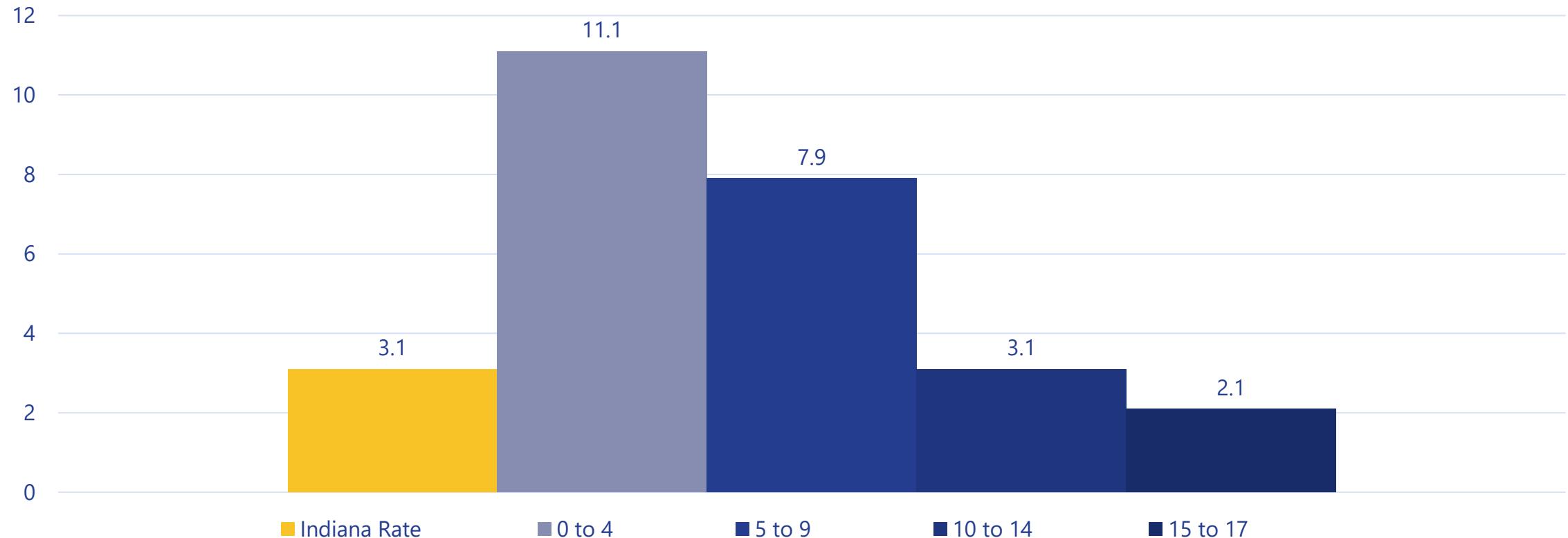
⁷ Indiana Department of Health Data Analysis Team [IDOH DAT]. (2024). Indiana Hospital Discharge Data, 2022.

Age distribution of asthma* inpatient hospitalizations, Indiana, 2022 (2,015 total hospitalizations)



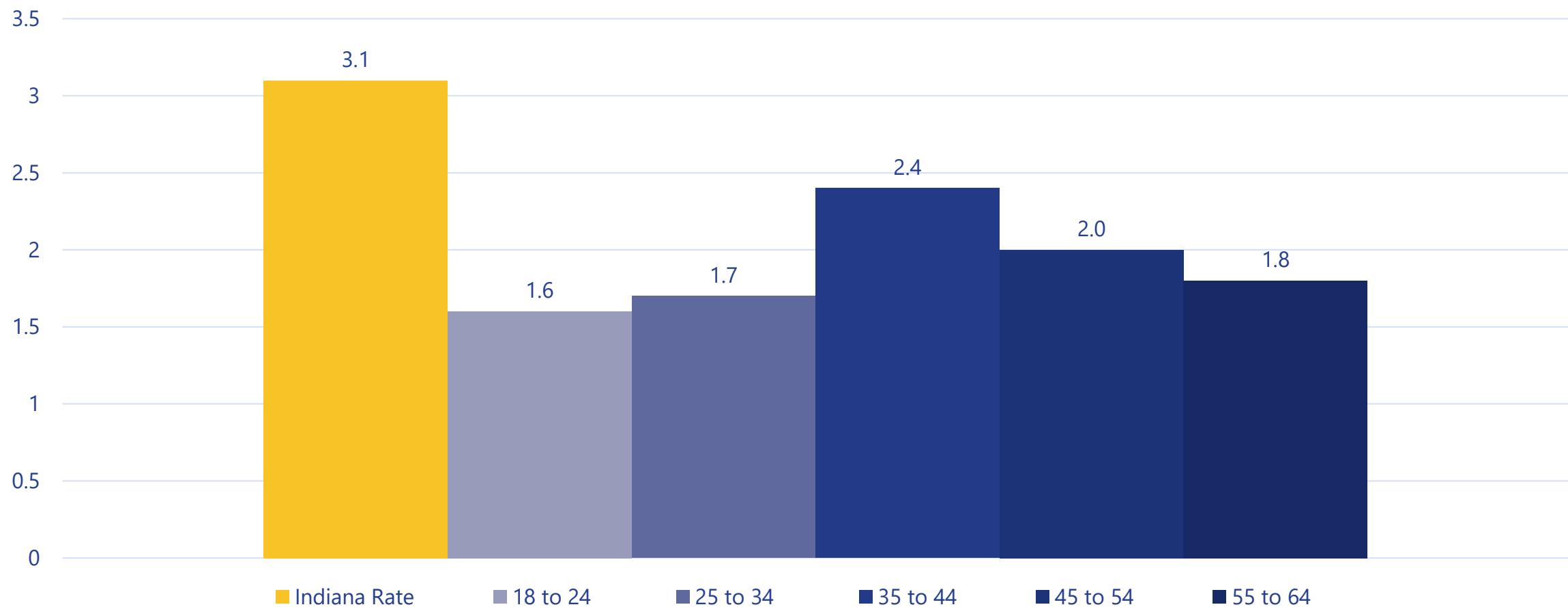
* Primary Diagnosis of Asthma
** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population

Child (0 to 17) Age distribution of asthma* inpatient hospitalizations, Indiana, 2022 (990 hospitalizations)



* Primary Diagnosis of Asthma
** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population

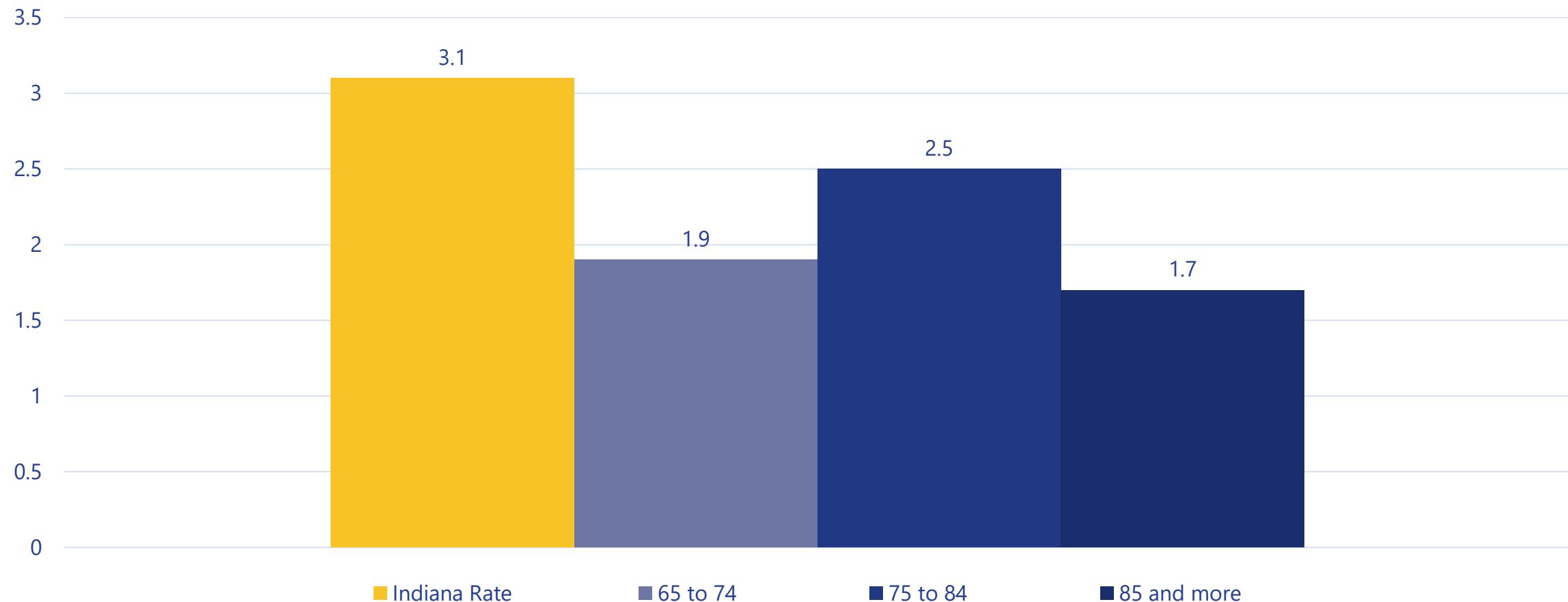
Adult (18 to 64) Age distribution of asthma* inpatient hospitalizations, Indiana, 2022 (794 hospitalizations)



* Primary Diagnosis of Asthma

** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population

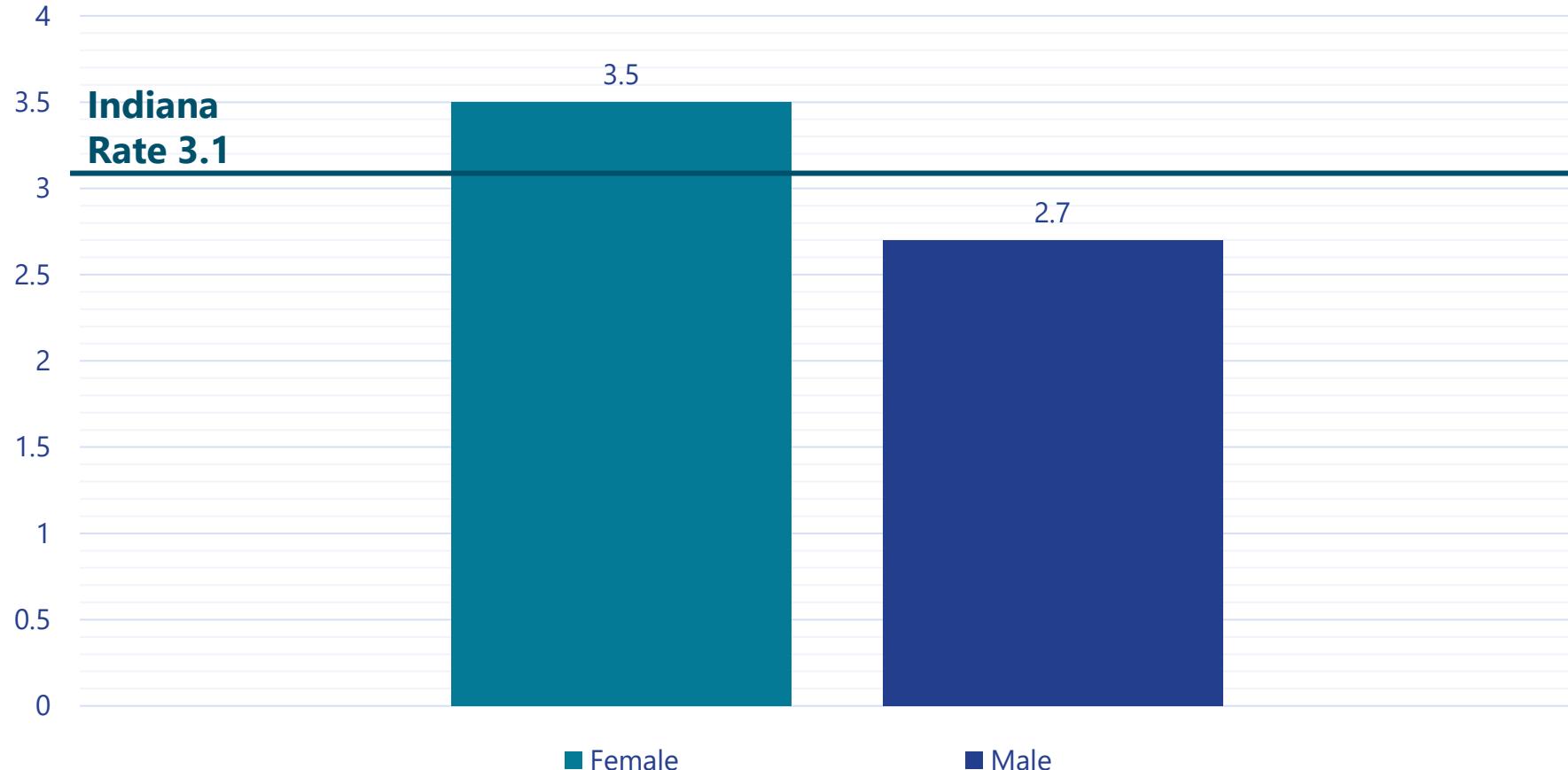
Older Adult (65+) Age distribution of asthma* inpatient hospitalizations, Indiana, 2022 (231 hospitalizations)



* Primary Diagnosis of Asthma

** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population

Asthma Inpatient Hospitalization rates** by sex, Indiana, 2022



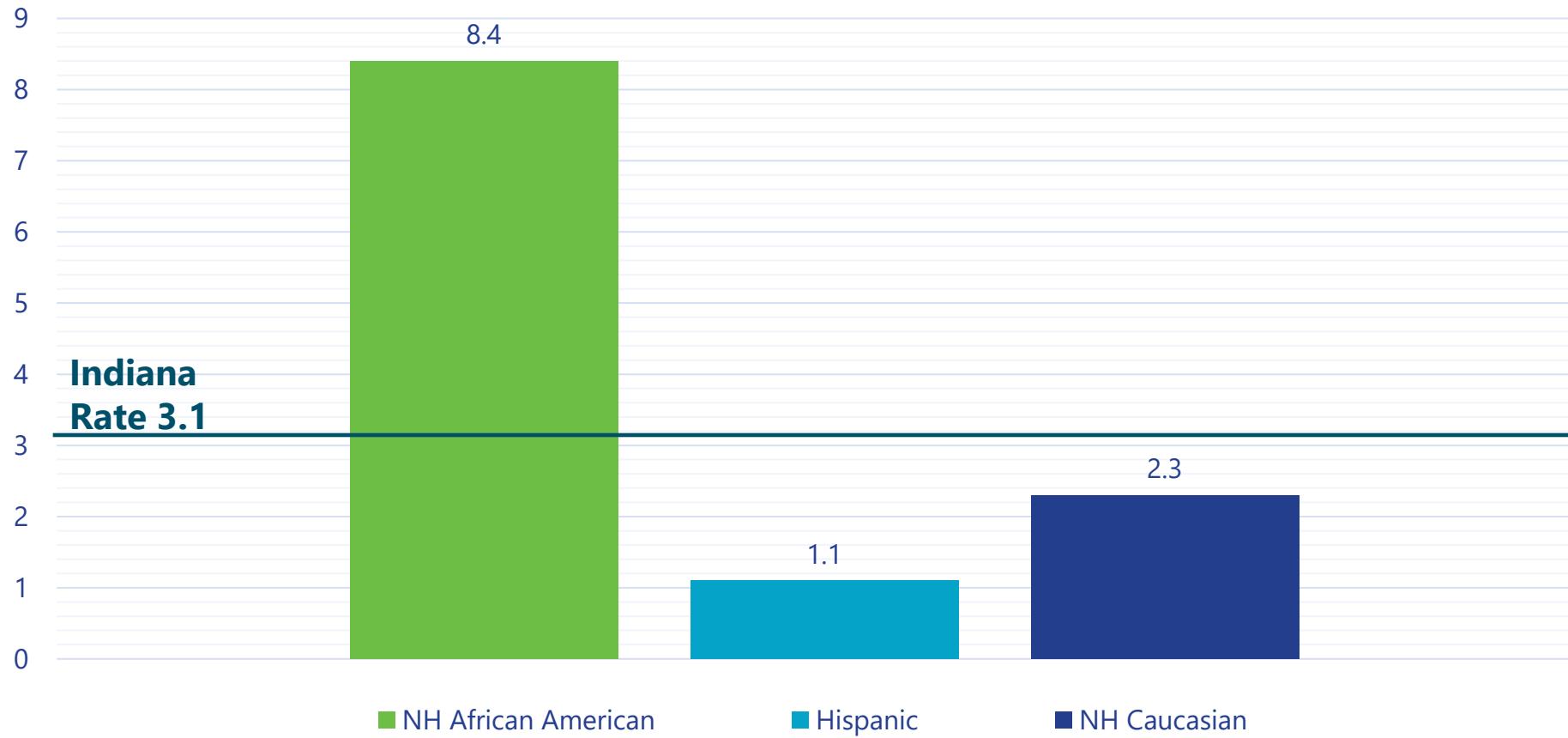
* Primary Diagnosis of Asthma

** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population

[†] In October 2015, Hospitals transitioned from ICD-9 to ICD-10, therefore, estimates made in 2016 or later should not be compared to earlier rate estimates.

7 [Indiana Department of Health Data Analysis Team \[IDOH DAT\]. \(2024\). Indiana Hospital Discharge Data, 2022.](#)

Asthma* Hospitalization Rates** by Race/Ethnicity, Indiana, 2022



* Primary Diagnosis of Asthma
** Age-Adjusted to the U.S.
Standard Population 2000,
Rates per 10,000 Population

[†] In October 2015, Hospitals transitioned from ICD-9 to ICD-10, therefore, estimates made in 2016 or later should not be compared to earlier rate estimates.

⁷ Indiana Department of Health Data Analysis Team [IDOH DAT]. (2024). Indiana Hospital Discharge Data, 2022.

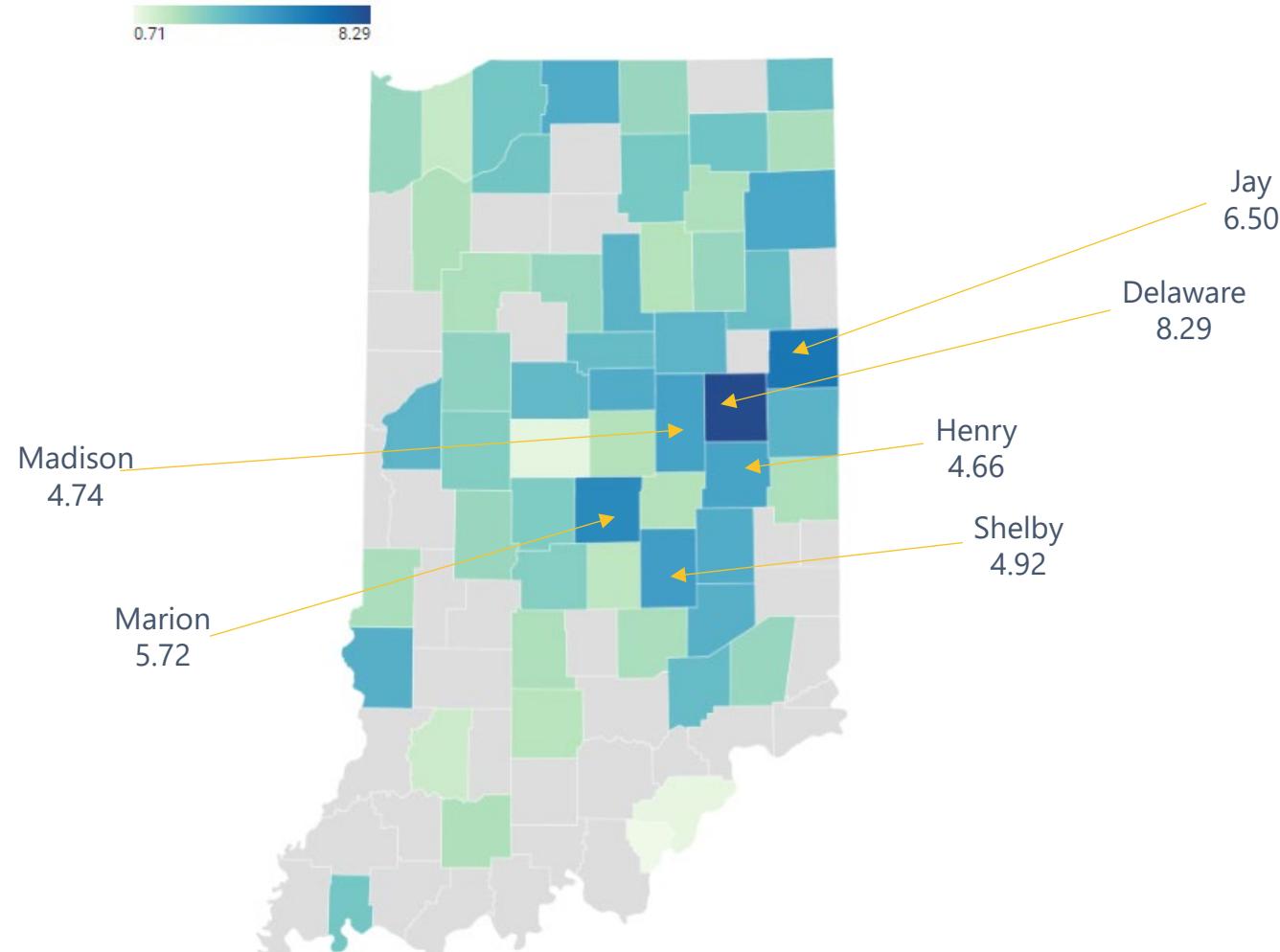
NH, Non-Hispanic

Asthma* Hospitalization Rates** by County, Indiana, 2022

* Primary Diagnosis of Asthma
** Age-Adjusted to the U.S. Standard Population 2000, Rates per 10,000 Population
Counties that have not been listed have been suppressed due to less than 5 cases

[†] In October 2015, Hospitals transitioned from ICD-9 to ICD-10, therefore, estimates made in 2016 or later should not be compared to earlier rate estimates.

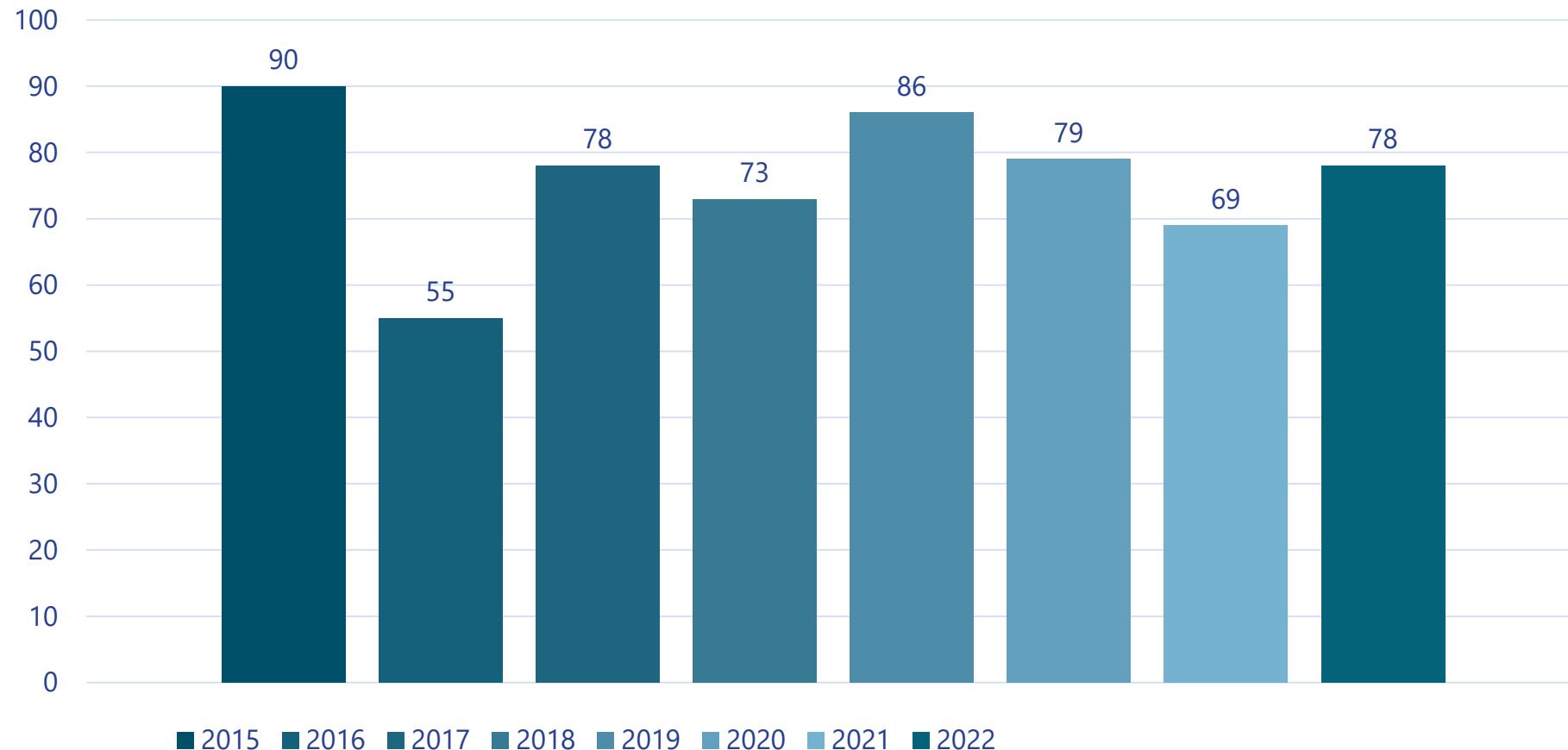
⁷ [Indiana Department of Health Data Analysis Team](#) [IDOH DAT]. (2024). Indiana Hospital Discharge Data, 2022. Visuals Created Using: [DataWrapper](#)



Asthma Mortality



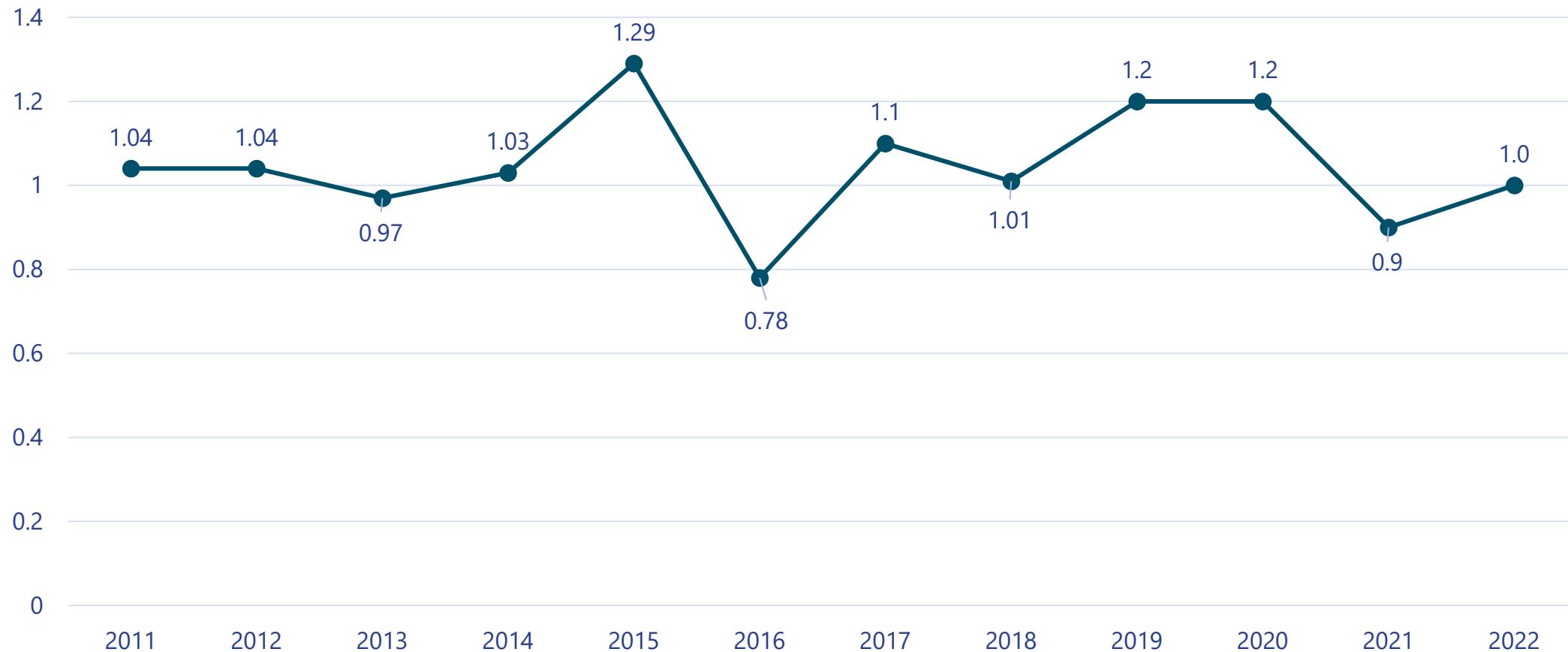
Number of Asthma Deaths, Indiana, 2015-2022



Indiana
Department
of
Health

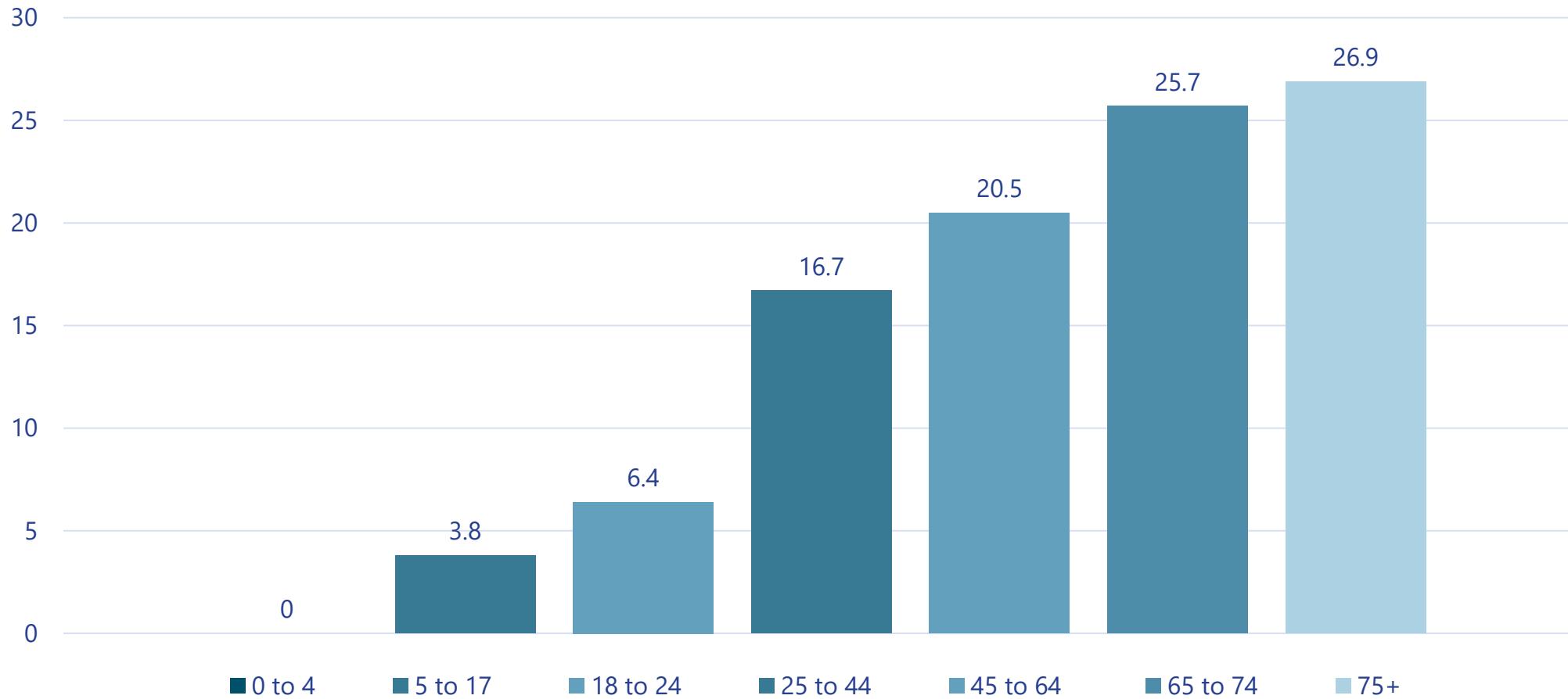
4 [CDC](#) and [Indiana Department of Health Data Analysis Team](#) [IDOH DAT]. (2024). Mortality Death Report, 2015-2022.

Age-adjusted asthma mortality rates, Indiana, 2011-2022



Age distribution (%) of asthma deaths, Indiana, 2022

The average age for an asthma mortality in 2022 was 59 years old



**Indiana
Department
of
Health**

4 [CDC](#) and [Indiana Department of Health Data Analysis Team](#) [IDOH DAT]. (2024). Mortality Death Report, 2022.

Asthma Mortality Percentages, Indiana, Death Location Occurrence, 2022

■ Other

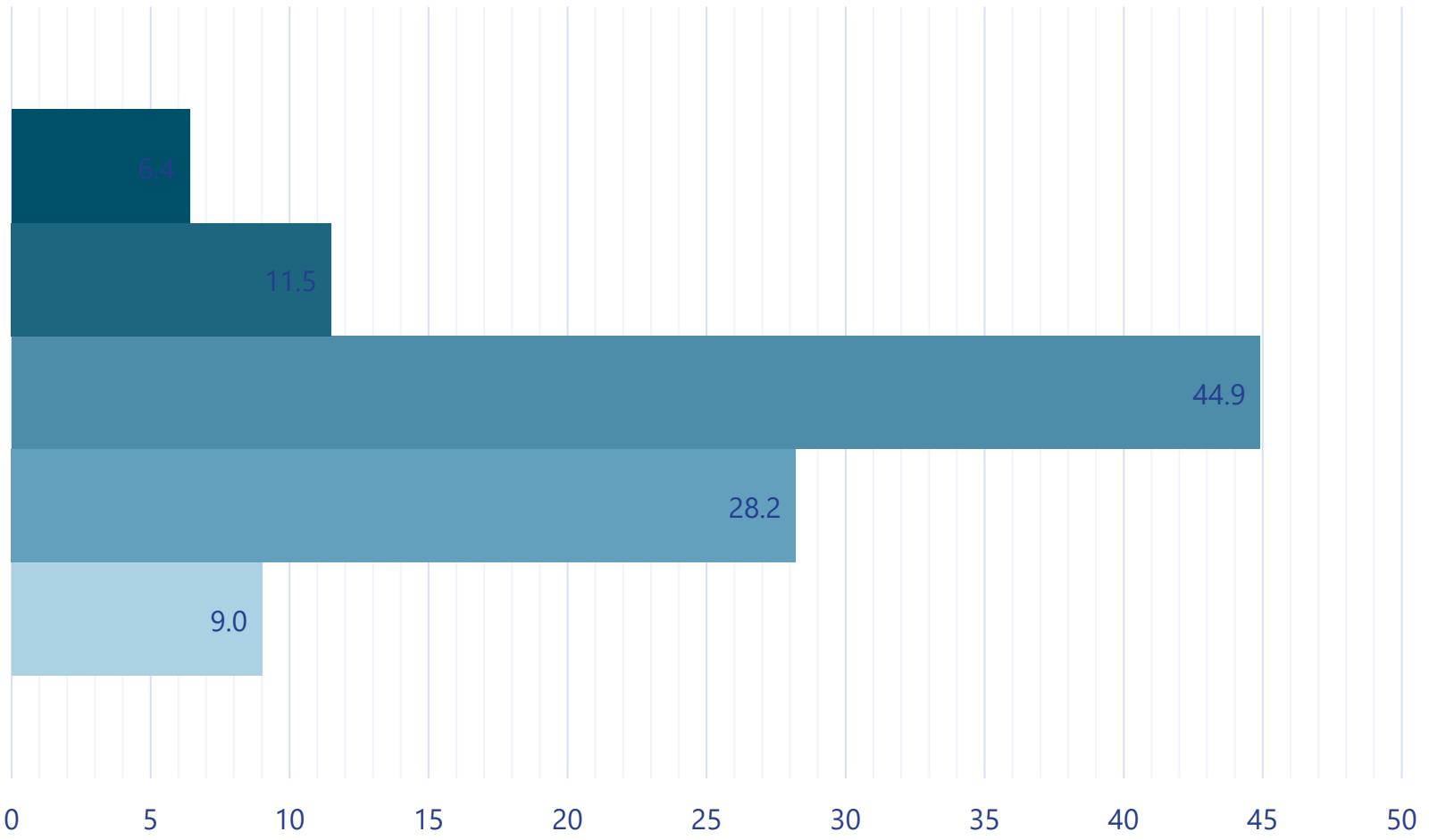
■ Nursing

Home/Long-term
Care Facility

■ Decedent's Home

■ Hospital, Inpatient

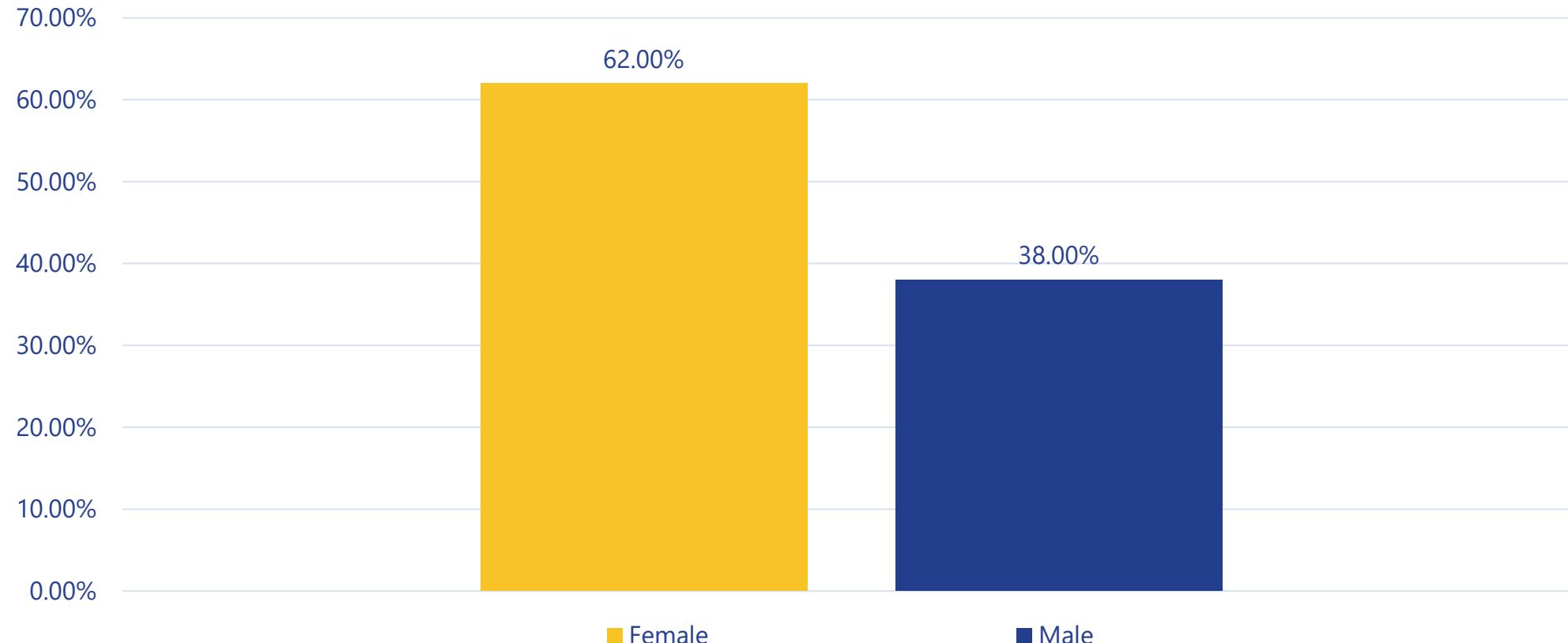
■ Hospital, ED



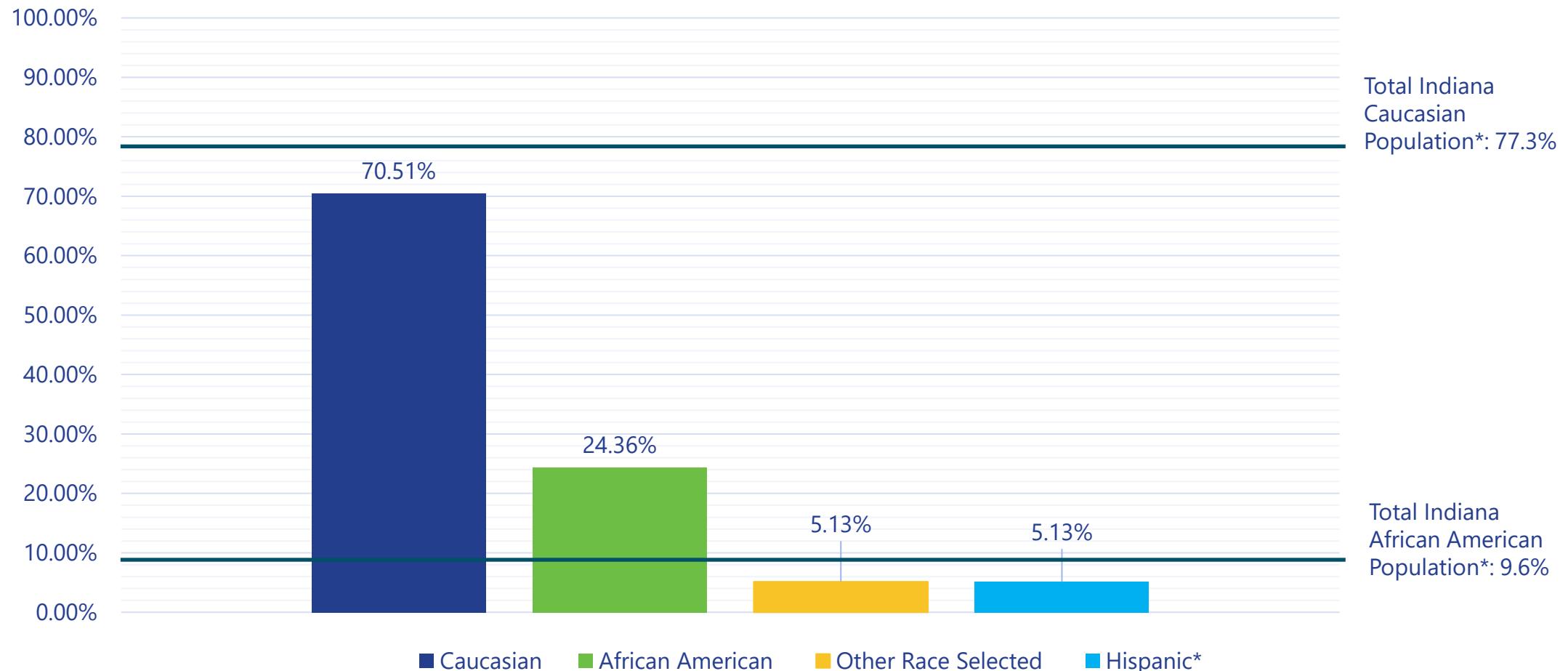
Indiana
Department
of
Health

4 [CDC](#) and [Indiana Department of Health Data Analysis Team](#) [IDOH DAT]. (2024). Mortality Death Report, 2022.

Asthma Mortality Percentages, Indiana, by sex, 2022



Asthma Mortality Percentages, Indiana, by race, 2022



2022 in summary

Statistic Description	2022
Adult lifetime asthma prevalence	15.7
Adult current asthma prevalence	11.0
Child lifetime asthma prevalence	10.4
Child current asthma prevalence	8.2
Emergency department visits (with a primary diagnosis of asthma)	31.8 per 10,000 population
Inpatient hospitalizations (with a primary diagnosis of asthma)	3.1 per 10,000 population
Mortalities (due to asthma)	78

Contact information:

Chronic Respiratory Disease Section

IDOHAsthma@health.in.gov

If you would like to extract slides from this presentation, please use proper citations given on the slides and reference the Indiana Department of Health Chronic Respiratory Disease Section.



Resources

- 1 | Klein RJ, Schoenborn CA. Age adjustment using the 2000 projected U.S. population. *Healthy People Statistical Notes*, no. 20. Hyattsville, Maryland: National Center for Health Statistics. January 2001. <https://www.cdc.gov/nchs/data/statnt/statnt20.pdf>
- 2 | Centers for Disease Control and Prevention. (2016, July 14). Asthma control. Centers for Disease Control and Prevention. Retrieved from https://www.cdc.gov/asthma/asthma_disparities/asthma_control.htm.
- 3 CDC and Indiana Department of Health Office of Data & Analytics [IDOH ODA]. (2024). Behavioral Risk Factor Surveillance System Prevalence Data, 2022.
- 4 | CDC and Indiana Department of Health Data Analysis Team [IDOH DAT]. (2024). Mortality Death Report, 2022.
- 5 | World Health Organization. (2021, May 3). Asthma. World Health Organization. Retrieved from <https://www.who.int/news-room/fact-sheets/detail/asthma>.

Resources

- 6 | Centers for Disease Control and Prevention. (2021, September 16). *Asthma*. Centers for Disease Control and Prevention. Retrieved from <https://www.cdc.gov/asthma/default.htm>.
- 7 | Indiana Department of Health Data Analysis Team [IDOH DAT]. (2024). Indiana Hospital Discharge Data, 2022.
- 8 | CDC and National Center for Health Statistics (NCHS). (2024). Urban-Rural Classification Scheme for Counties and 2019-2021. Behavioral Risk Factor Surveillance System (BRFSS).
- 9 | CDC .(2024) Behavioral Risk Factor Surveillance System Asthma Call-Back Survey, 2021.