

Asthma for Champaign County Residents

Asthma is a disease that affects the lungs. It causes repeated episodes of wheezing, breathlessness, chest tightness, and nighttime or early morning coughing. It can be controlled by taking medication and removing or avoiding environmental triggers¹.

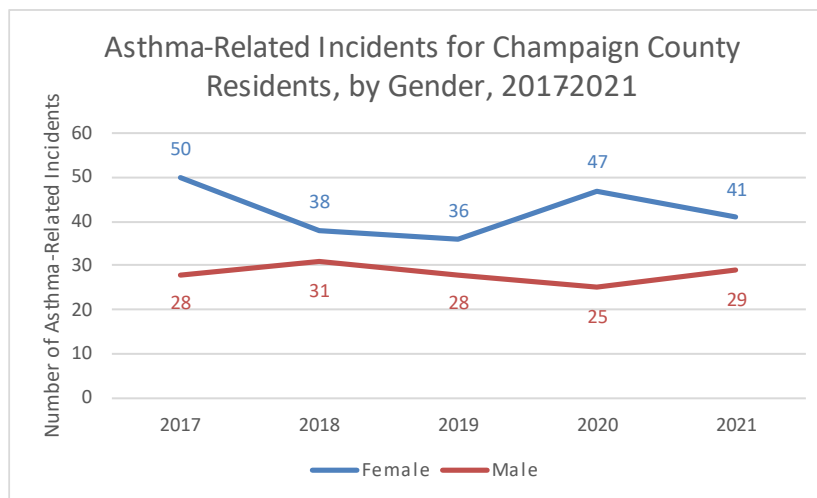
For Champaign County residents, there were 1,667 asthma-related incidents between 2017 and 2021. Table 1 shows the total number of incidents during the time period broken up by gender, race, and facility type with average age for each. Asthma-related incidents are affecting the under 50 population in Champaign County as the average age for the different demographics is below 50 (Table 1).

Table 1: Demographic information of All Asthma-related Incidents from 2017-2021, Champaign County**

		# of Asthma-related Incidents	Average Age
Gender	Female	212	30.5
	Male	141	25.0
Race	American Indian or Alaska Native	2	*
	Black or African American	7	*
	Missing	37	24.5
	Other Race	17	7.1
	White	292	30.3
Facility Type	Children's Hospital	39	9.4
	Hospital	274	28.8
	Primary Care/Family Medicine	31	41.8
	Private Practice	11	45.7

*suppressed due to less than 10 incidents

**Incidents for Champaign County residents were counted whether they were seen within or outside Champaign County boundaries



Female residents who have an asthma-related incident are on average 5.5 years older than male residents (Table 1).

Female residents have a higher rate of asthma-related incidents compared to male residents. Female incidents have decreased 18% and male incidents have remained relatively consistent between 2017-2021 (Figure 1).

Figure 1: Asthma-related incidents for Champaign County residents by gender, 2017-2021

¹ <https://www.cdc.gov/asthma/default.htm>

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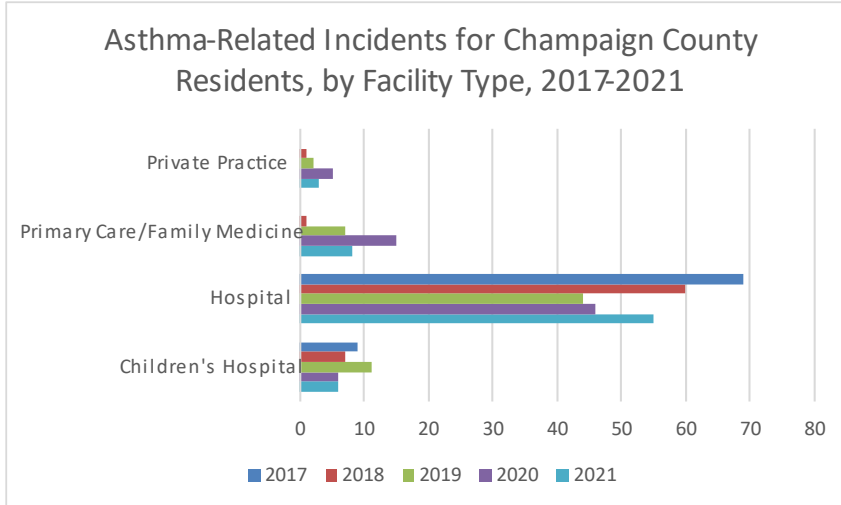


Figure 2: Asthma-related incidents for Champaign County residents by facility type, 2017-2021

Hospitals see the highest amount of Champaign County residents for asthma-related incidents. Followed by Primary Care/Family Medicine (PC/FM) facilities and children’s hospitals. Hospitals have seen a 20.3% decrease in incidents, while PC/FM facilities have been increasing up until 2020, then decreased in 2021 (Figure 2).

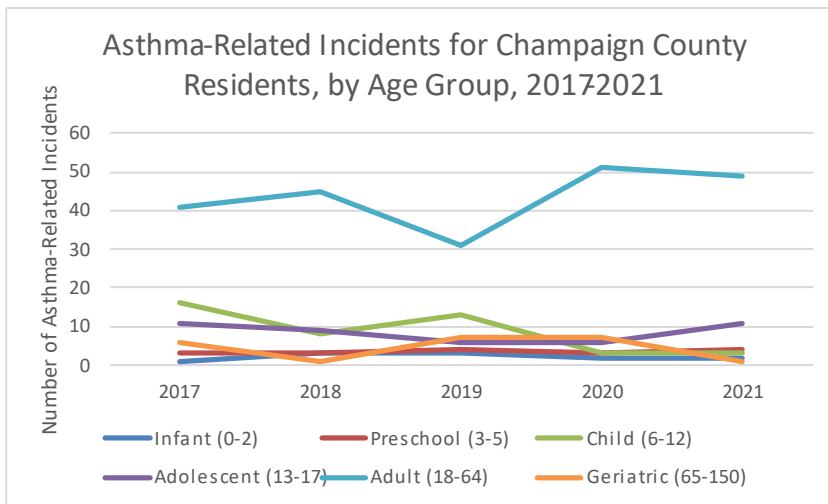


Figure 3: Asthma-related incidents for Champaign County residents by age group, 2017-2021

The adult (18-64) age group has the most asthma-related incidents for Champaign County residents; however, this group also has the widest age range. There has been an overall 19.5% increase in incidents in the adult age group from 2017-2021 (Figure 3).

Quick Facts

- An asthma attack includes coughing, chest tightness, wheezing, and/or trouble breathing when exposed to an **asthma trigger**
- Asthma is controlled with medicine; however, not everyone takes the same medicine
- 9.9% of Ohio adult residents have asthma and 144 residents have died from it (2020)²
- **10.0% of adult (18+ years) Champaign residents have asthma (2019)**

Asthma trigger: genetic, environmental, and occupational factors (*mold, dust mites, secondhand tobacco smoke, air pollution, and more*)

² https://www.cdc.gov/asthma/most_recent_data_states.htm