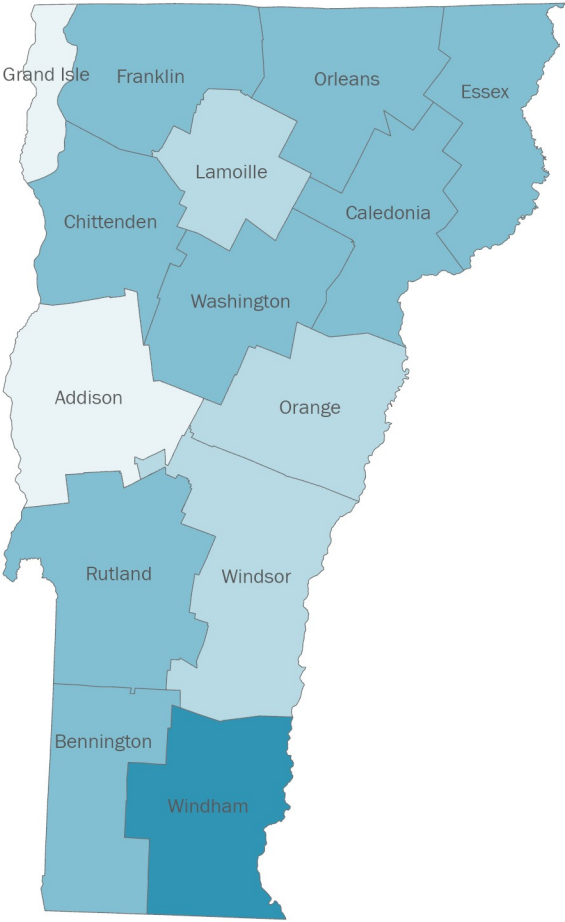
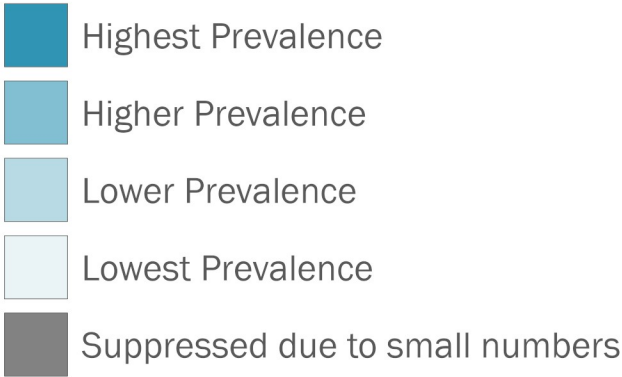


Asthma Prevalence in Vermont

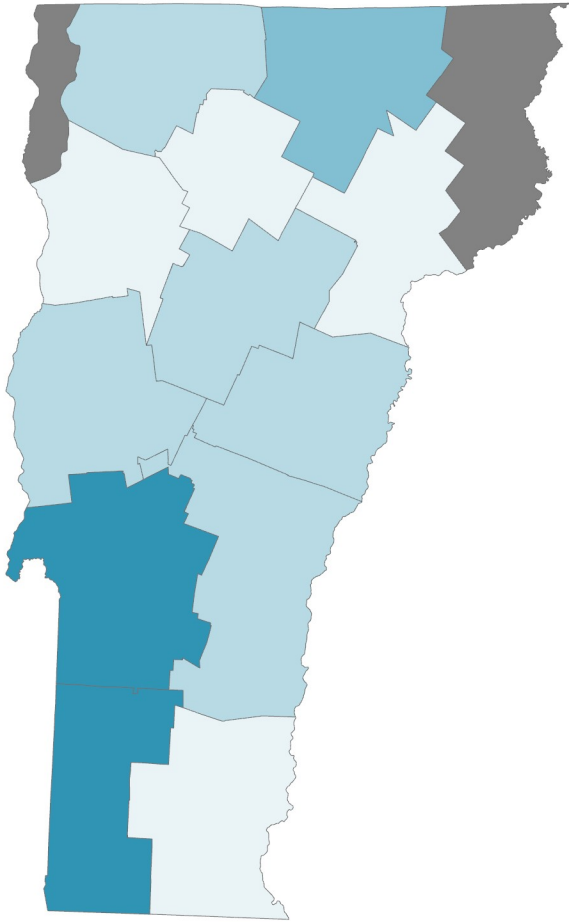
Vermont has one of the highest rates of adult asthma prevalence in the U.S.

Understanding where more Vermonters have asthma helps focus efforts in areas of highest need to reduce the burden of asthma for all Vermonters.

See methodology page for more details about the data represented in these maps.



Adult Prevalence



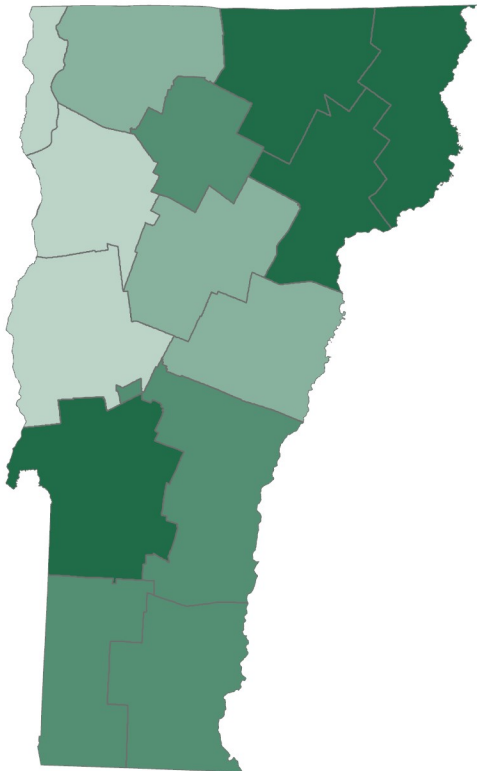
Child Prevalence

Demographics

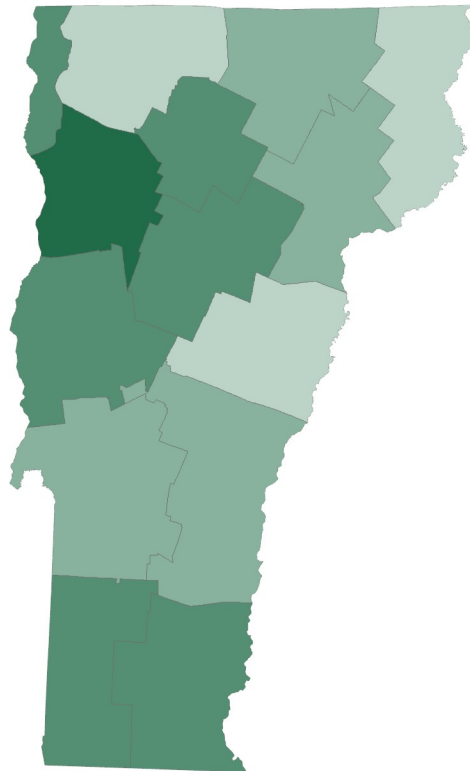
The maps on this page present the geographic distribution of populations that have worse asthma outcomes in Vermont. For example, Vermonters with a low income are more likely to have asthma, Black or African American Vermonters are more likely to have visited an emergency department for asthma, and LGBTQ+ Vermonters with asthma are more likely to have worse asthma control.



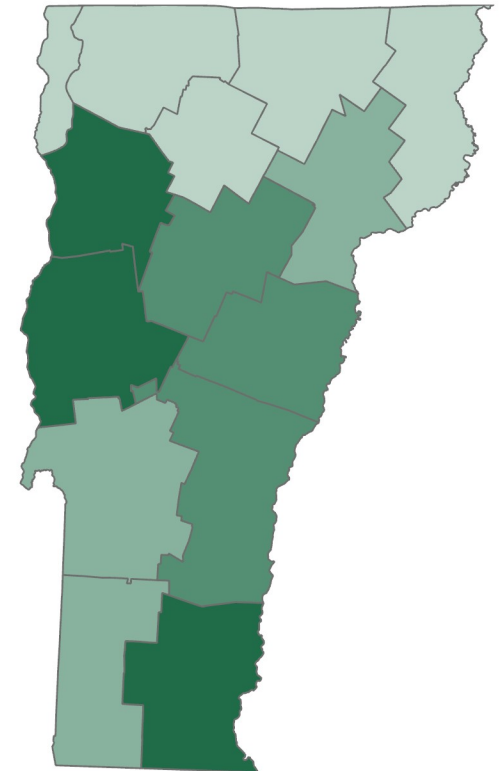
See methodology page for more details about the data represented in these maps.



Median Household Income



% of Population that is Black or African American Alone

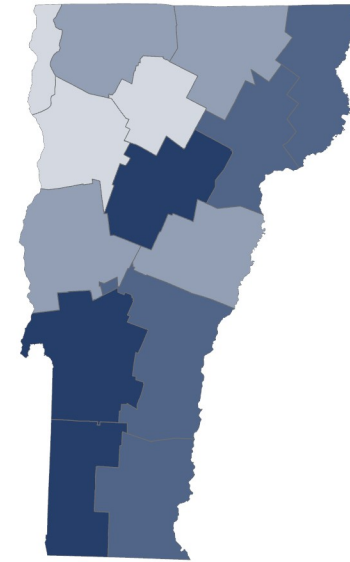


% of Population that Identifies as LGBTQ+

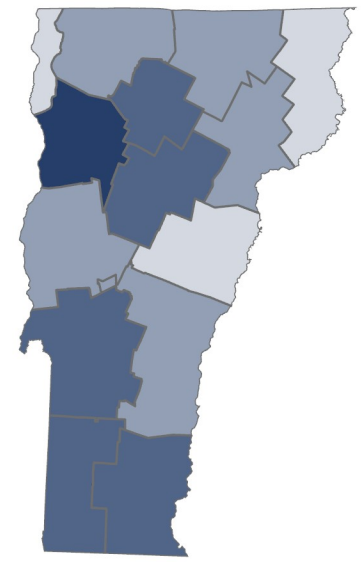
Asthma Risk Factors

This page presents the geographic distribution of several factors that are known to contribute to worse asthma outcomes and which are directly associated with the social determinants of health. These maps can be used as a comparison to the maps of asthma prevalence and quality of life to better focus efforts to reduce the burden of asthma on Vermonters.

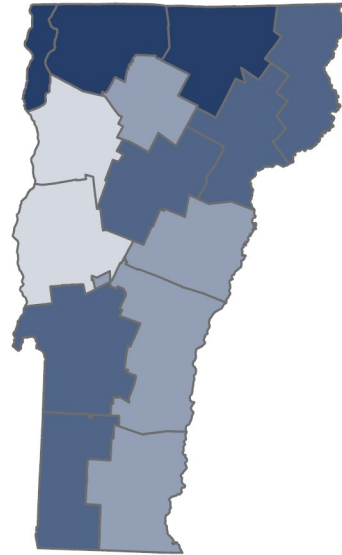
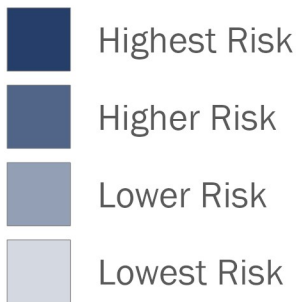
See methodology page for more details about the data represented in these maps.



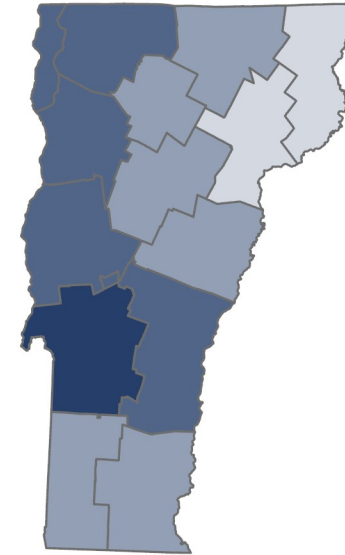
% of Housing Units Built Before 1980



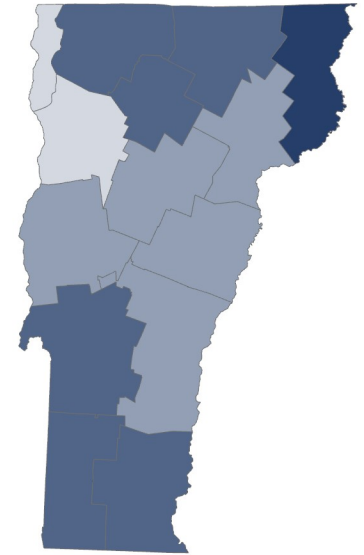
% of House Units Rented



% of Adults who Smoke



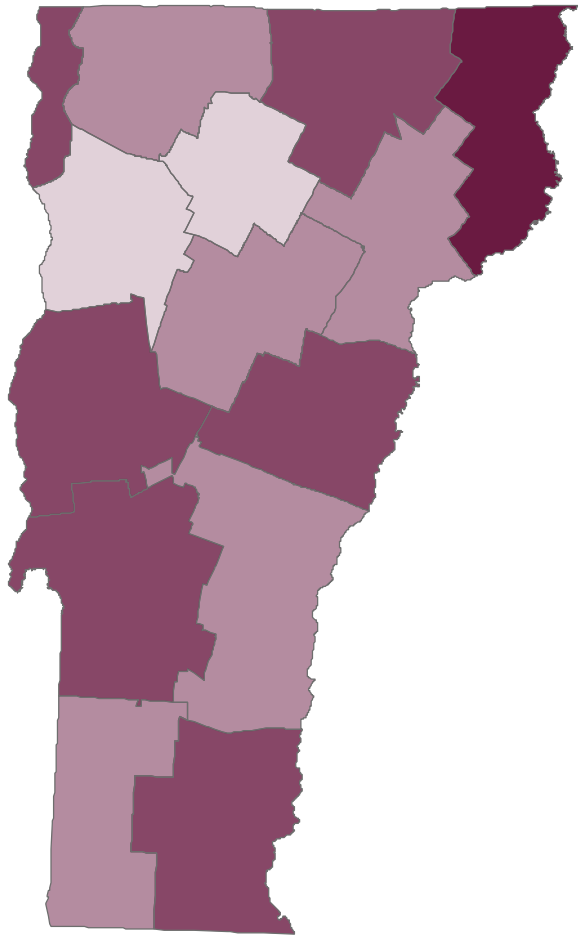
Annual Average PM 2.5 Concentration per Cubic Meter of Air



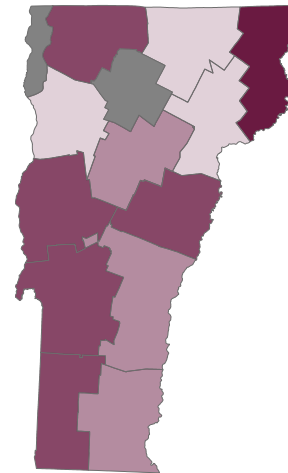
% of Adults Not Vaccinated for Flu

Quality of Life Among Vermonters with Asthma

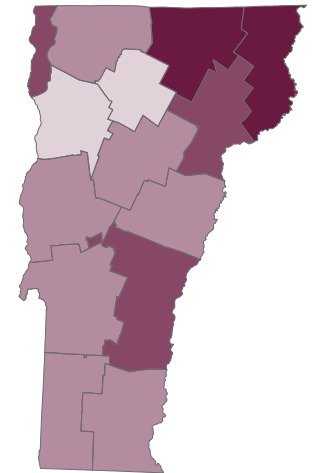
Total Quality of Life Score*



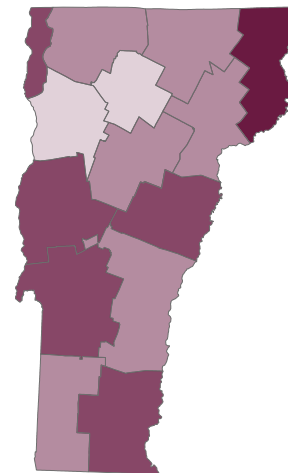
- Worst QOL
- Worse QOL
- Better QOL
- Best QOL



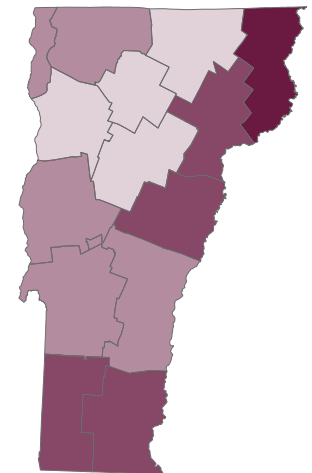
% who had an Asthma Attack in the Past Year



Rate of ED Visits with a Primary Diagnosis of Asthma



% with Uncontrolled Asthma



% with Fair or Poor General Health

*Score is determined by the average number of times a county falls into each QOL range in each of the other 4 maps shown on this page.

See methodology page for more details about the data represented in these maps.

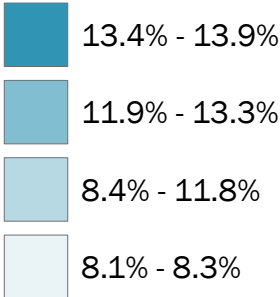
All rates, except that of emergency department (ED) visits are among Vermont adults with asthma.

Prevalence Maps Data Notes

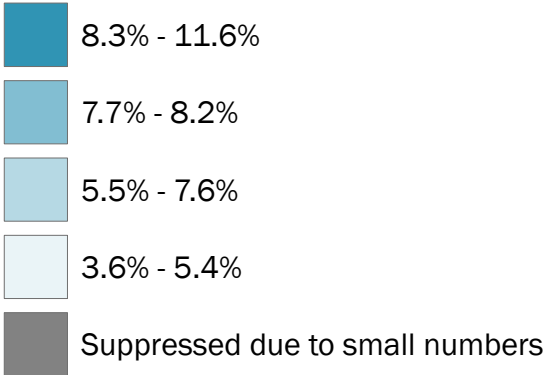
Lauren Ressue
Division of Health Statistics and Informatics
Vermont Department of Health
lauren.ressue@vermont.gov

Definition of prevalence:
A Vermonter is counted as having asthma if they self-reported that:
(1) they have ever been diagnosed with asthma by a provider AND
(2) they still have asthma.

MAP: Adult Asthma Prevalence
DATA SOURCE: Behavioral Risk Factor Surveillance System
2021, 2022
LEGEND:



MAP: Child Asthma Prevalence
DATA SOURCE: Behavioral Risk Factor Surveillance System
2021, 2022
LEGEND:



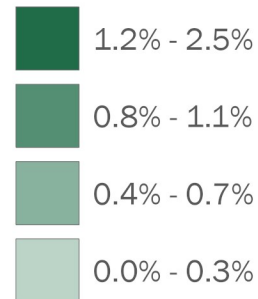
The values in all maps in this project are classified by the Jenks Natural Breaks Method, which seeks to minimize the difference between values it groups together and maximize the difference between values it separates.

Demographics Data Notes

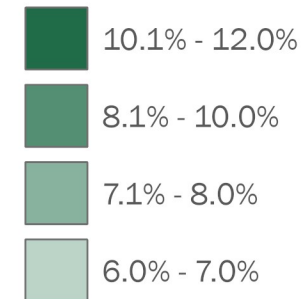
MAP: Median Household Income
DATA SOURCE: American Community Survey
2022 (5-Year Estimates)
LEGEND:



MAP: % of population that is Black or
African American alone
DATA SOURCE: American Community Survey
2022 (5-Year Estimates)
LEGEND:



MAP: % of adult Population that identifies
as LGBTQ+
DATA SOURCE: Behavioral Risk Factor
Surveillance Survey 2018-2022
LEGEND:

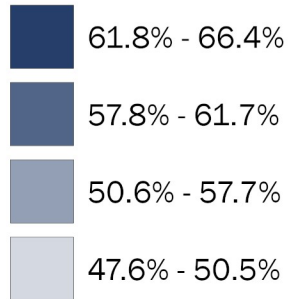


Risk Factors Maps Data Notes

MAP: % of housing units built before 1980

DATA SOURCE: American Community Survey 2022 (5-Year Estimates)

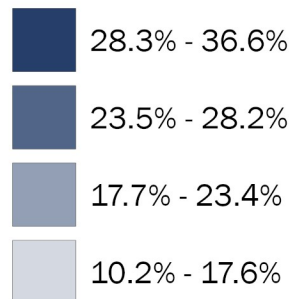
LEGEND:



MAP: % of housing units rented

DATA SOURCE: American Community Survey 2022 (5-Year Estimates)

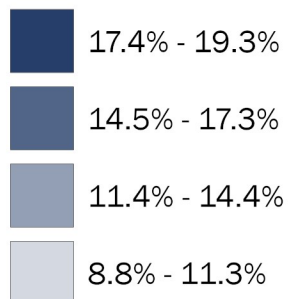
LEGEND:



MAP: % of adults who smoke

DATA SOURCE: Behavioral Risk Factor Surveillance Survey 2021, 2022

LEGEND:

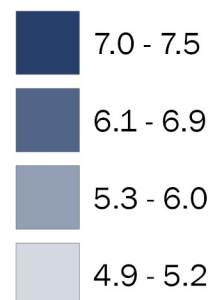


MAP: Annual average PM 2.5 concentration per cubic meter of air

DATA SOURCE: Centers for Disease Control and Prevention's National Environmental Public Health Tracking Program

<https://www.healthvermont.gov/environment/tracking/air-quality>

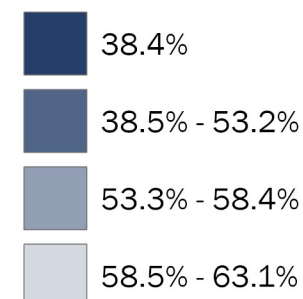
LEGEND:



MAP: % of adults not vaccinated against the flu

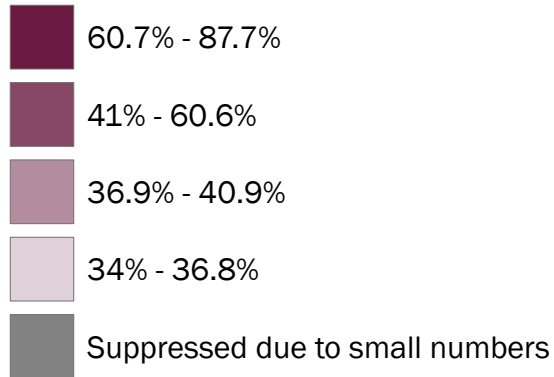
DATA SOURCE: Behavioral Risk Factor Surveillance Survey 2021, 2022

LEGEND:

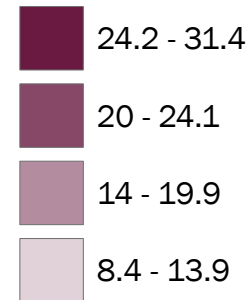


Quality of Life Maps Data Notes

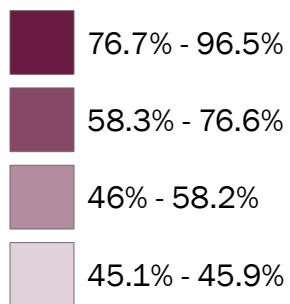
MAP: % who have had an asthma attack in the past year
DATA SOURCE: Asthma Call-Back Survey 2018-2021
LEGEND:



MAP: Rate of ED visits with a primary diagnosis of asthma per 10,000 Vermonters
DATA SOURCE: Vermont Uniform Hospital Discharge Data Set 2021
LEGEND:



MAP: % with uncontrolled asthma
DATA SOURCE: Asthma Call-Back Survey 2018-2021
LEGEND:



MAP: % with fair or poor general health
DATA SOURCE: Behavioral Risk Factor Surveillance Survey 2018-2021
LEGEND:

