

COVID-19 Windsor and Essex County: March 20, 2020 to April 23, 2020

Purpose

- Providing an epidemiologic summary of COVID-19 activity in Windsor and Essex County (WEC) to date

Source

- Windsor-Essex County Health Unit, Infectious Disease Prevention (IDP) database, extracted by Windsor-Essex County Health Unit [2020/04/23].
- Ontario Ministry of Health, integrated Public Health Information System (iPHIS) database, extracted by Windsor-Essex County Health Unit [2020/04/23].
- Ontario Agency for Health Protection and Promotion (Public Health Ontario). Epidemiologic Summary: COVID-19 in Ontario – January 15, 2020 to April 23, 2020). Toronto, ON: Queen's Printer for Ontario; 2020.

Highlights

- At the time of reporting, there are 525 confirmed cases of COVID-19 in WEC between March 20th and April 23rd.
- Cases in the community continue to decrease, however, with increased testing more cases are being identified in long-term care and retirement homes in WEC.
- The incident rate of COVID-19 in WEC is higher compared to Chatham-Kent but slightly lower compared to Lambton County.
 - The incident rate of COVID-19 in WEC is higher compared to Ontario.
- Between April 14th and April 19th, approximately 6% of the tests returned as positive for COVID-19 when tested for COVID-19. This is a decrease to the percent positivity experienced compared to the previous week (17%)
- The age of the cases range from 8 to 100 years (median of 56 years) with females accounting for approximately 60% of all cases compared to approximately 39% in males.
 - Among females, 27% of all female cases were among those 80 years or older
 - Among males, 18% of all male cases were among those 50 to 59 years of age and another 18% were 80 years or older.
- Approximately 65% of the cases reside in the City of Windsor.
- Approximately 34% of the cases reported close contact with a confirmed case as a potential source of exposure to COVID-19. This is an increase compared to the previous week
- 30% of the confirmed COVID-19 cases are healthcare workers and of these 156 healthcare workers, 30% reported travelled to Michigan prior to becoming ill.
- Of the COVID-19 cases reporting a risk factor, 24% had a cardiovascular condition while 12% had diabetes and another 12% had asthma.
- Coughing 76% was the most commonly reported symptom among cases with COVID-19 reporting any symptoms followed by a malaise (64%), fatigue (63%) and fever (57%).
- Approximately 39% of cases are still in self-isolation while 22% of cases have resolved.

- Approximately 66% of the deaths have occurred in individuals 80 years or older.
 - Over 50% of the deaths were in females and 47% in males
- The overall case fatality rate in WEC is 6.1%. When stratified by long-term care and retirement homes, the case fatality rate is 10.0%.
- The trajectory of the doubling rate for COVID-19 in Windsor is closer to four days. Last week this was closer to three days.



COVID-19 *LIVE UPDATE*

APRIL 24, 2020

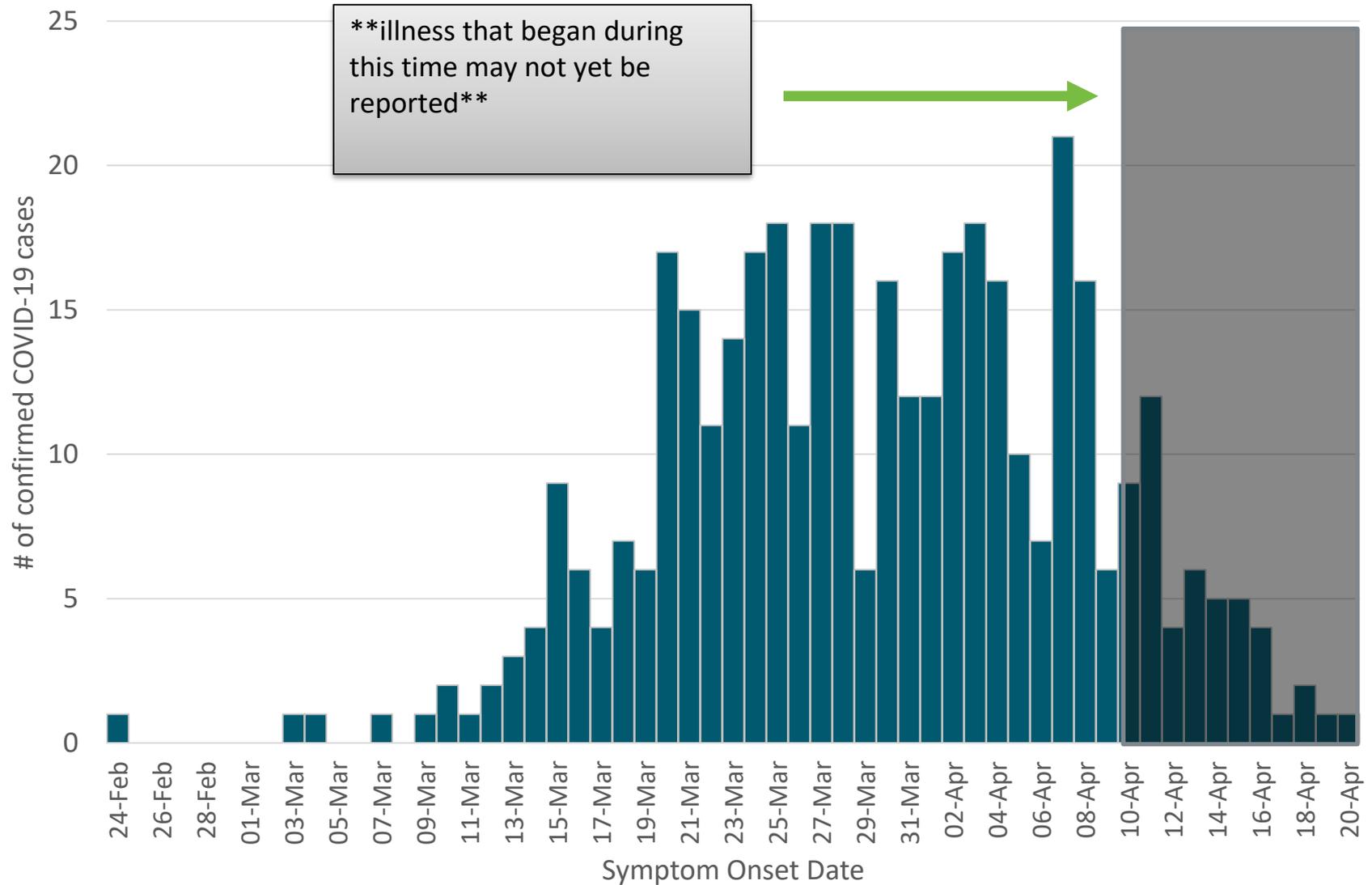
FOR UP-TO-DATE
CASE NUMBERS
VISIT
wechu.org

COVID-19 Epidemiological Summary

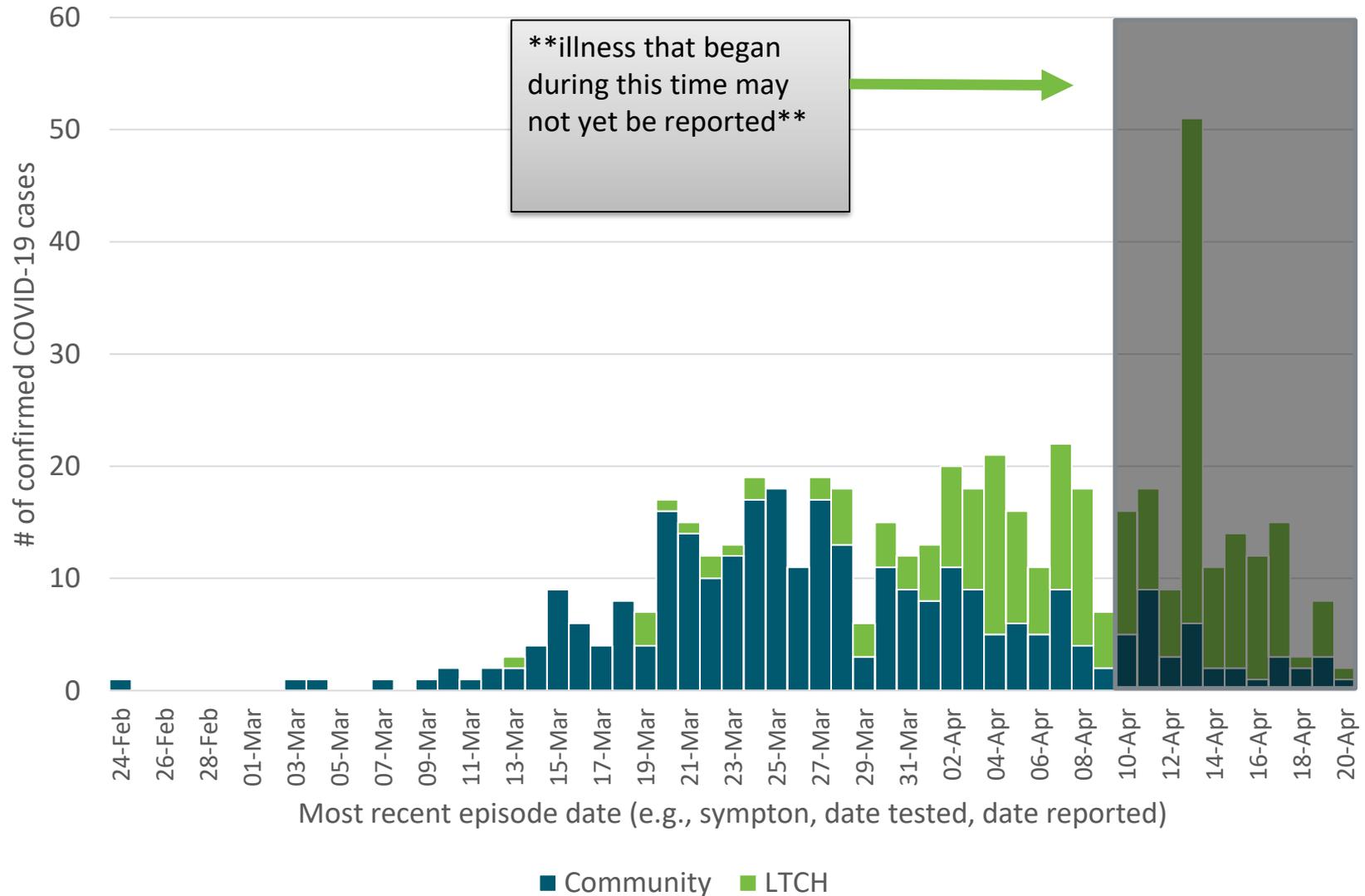
Content covered:

- Epidemic curves
 - By 1) overall; 2) community vs. LTCH
- Regional & provincial rates
- Percent positivity of COVID-19 tests
- Age & sex distribution
- Distribution by Municipality
- Exposure history
- Travel History
- Healthcare worker status
- Risk Factors
- Symptoms
- Outcomes
- Breakdown by deaths
- Doubling time

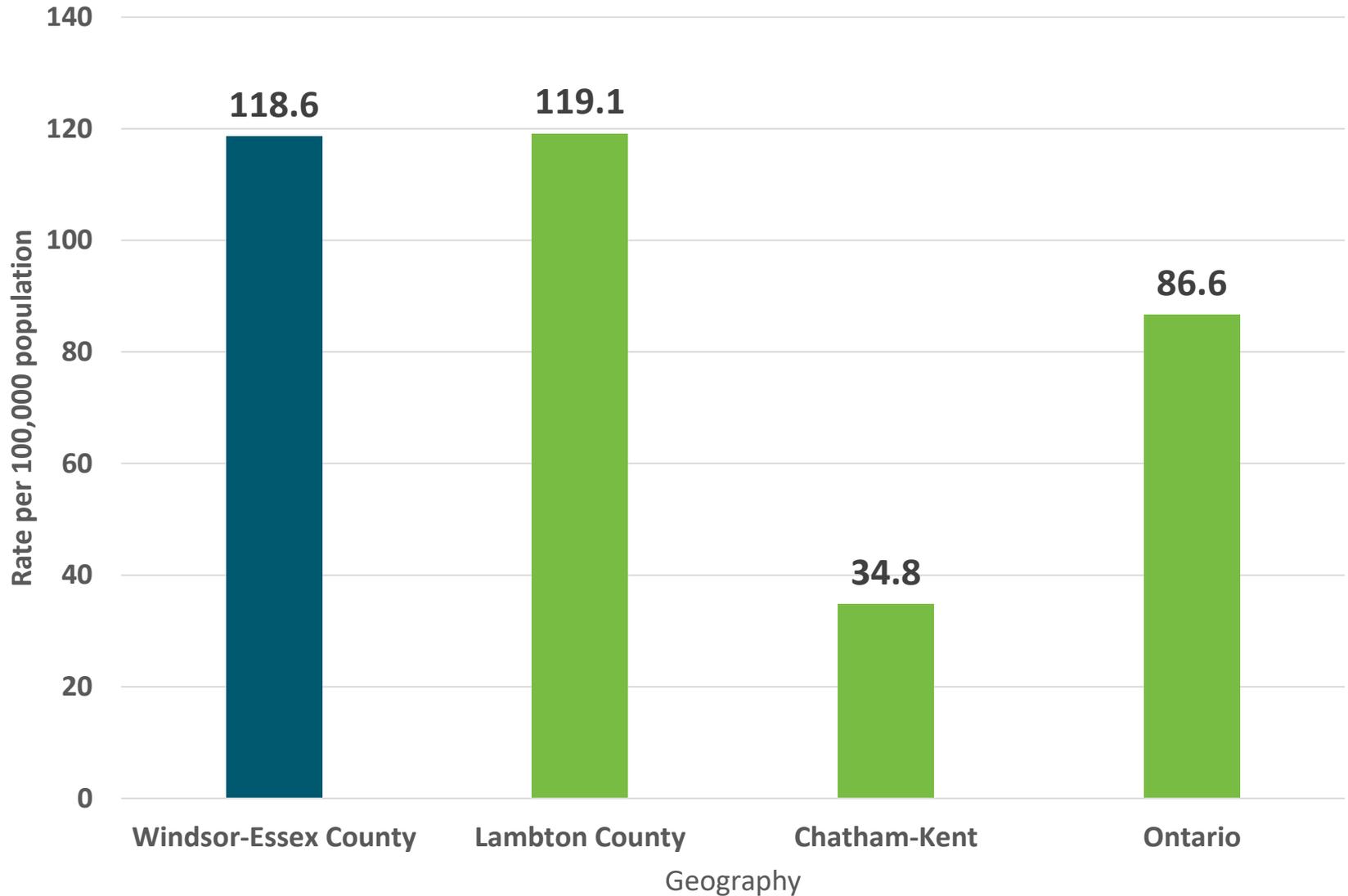
Epidemic Curve by Symptom Onset Date



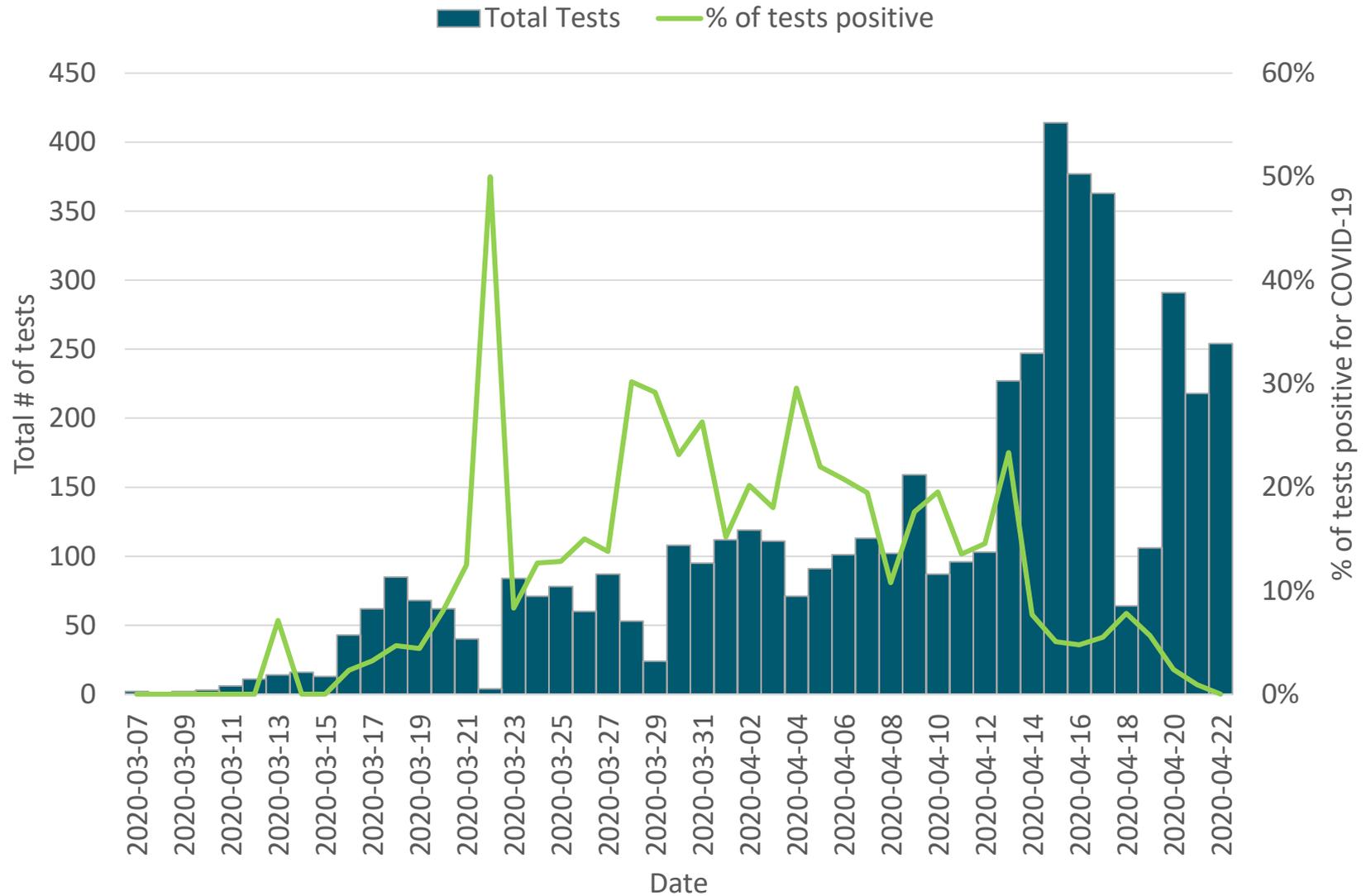
Epidemic Curve by Community vs. LTCH/RH



Regional & Provincial Rates

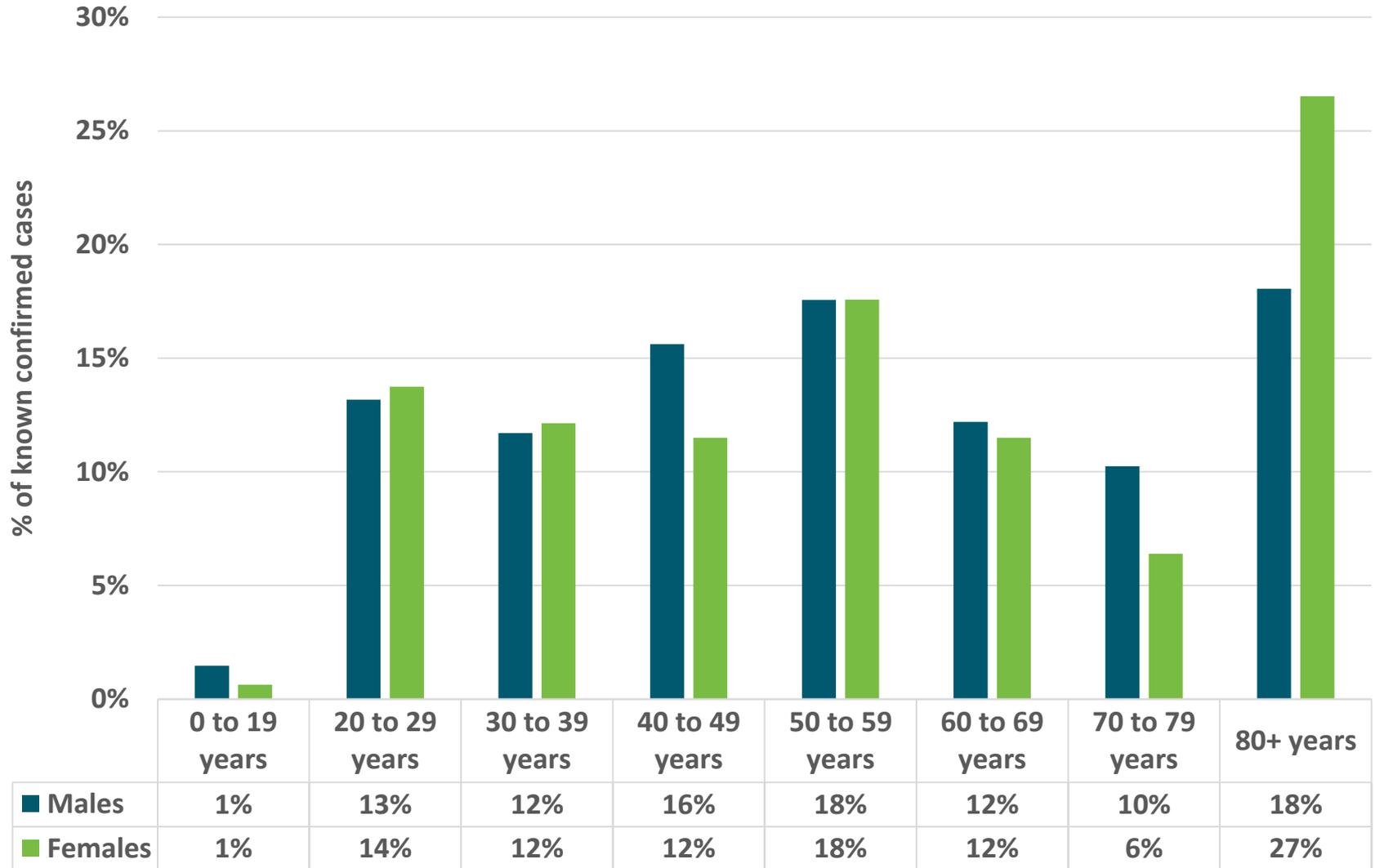


Percent Positivity of People Tested for COVID-19

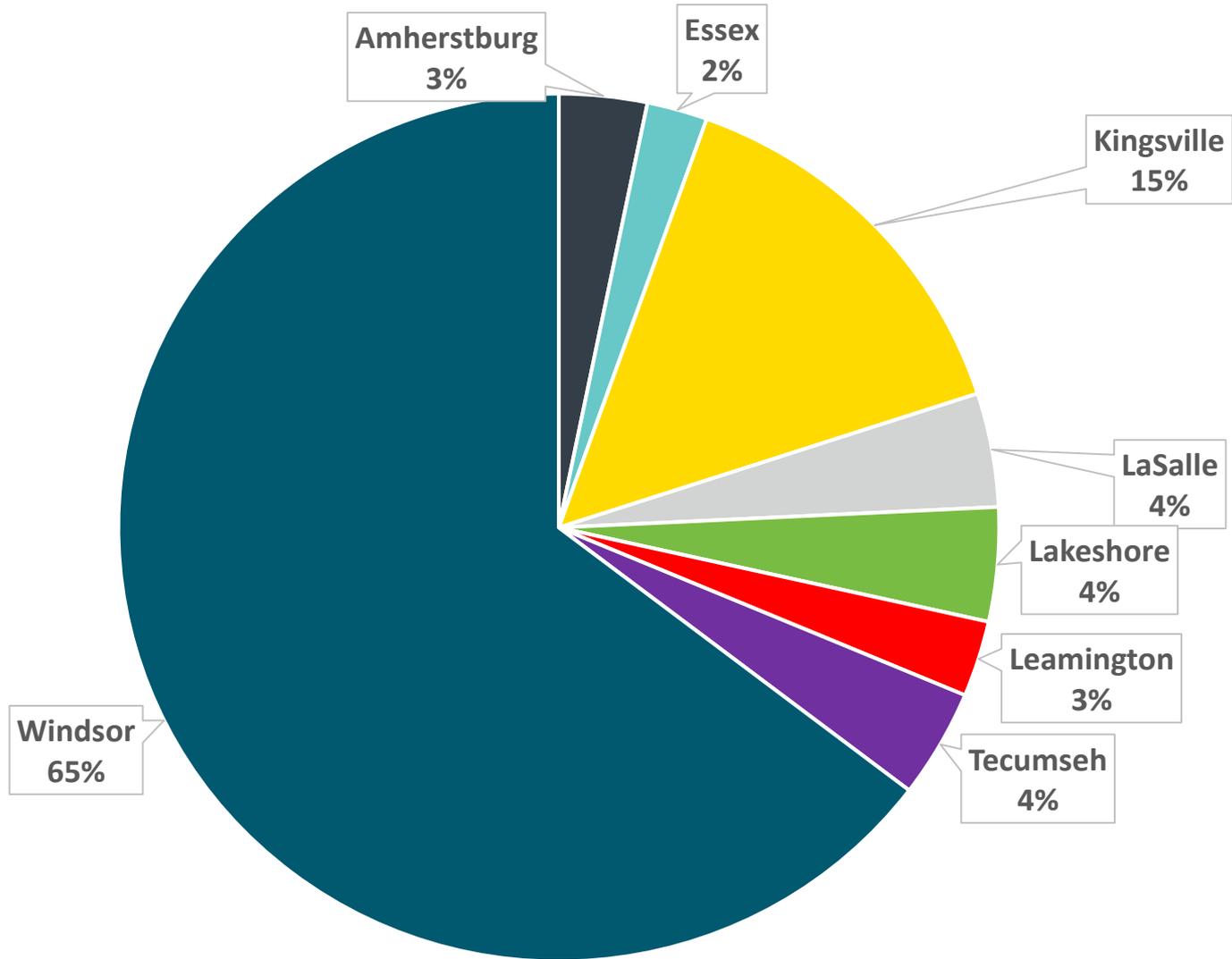


2020-04-24

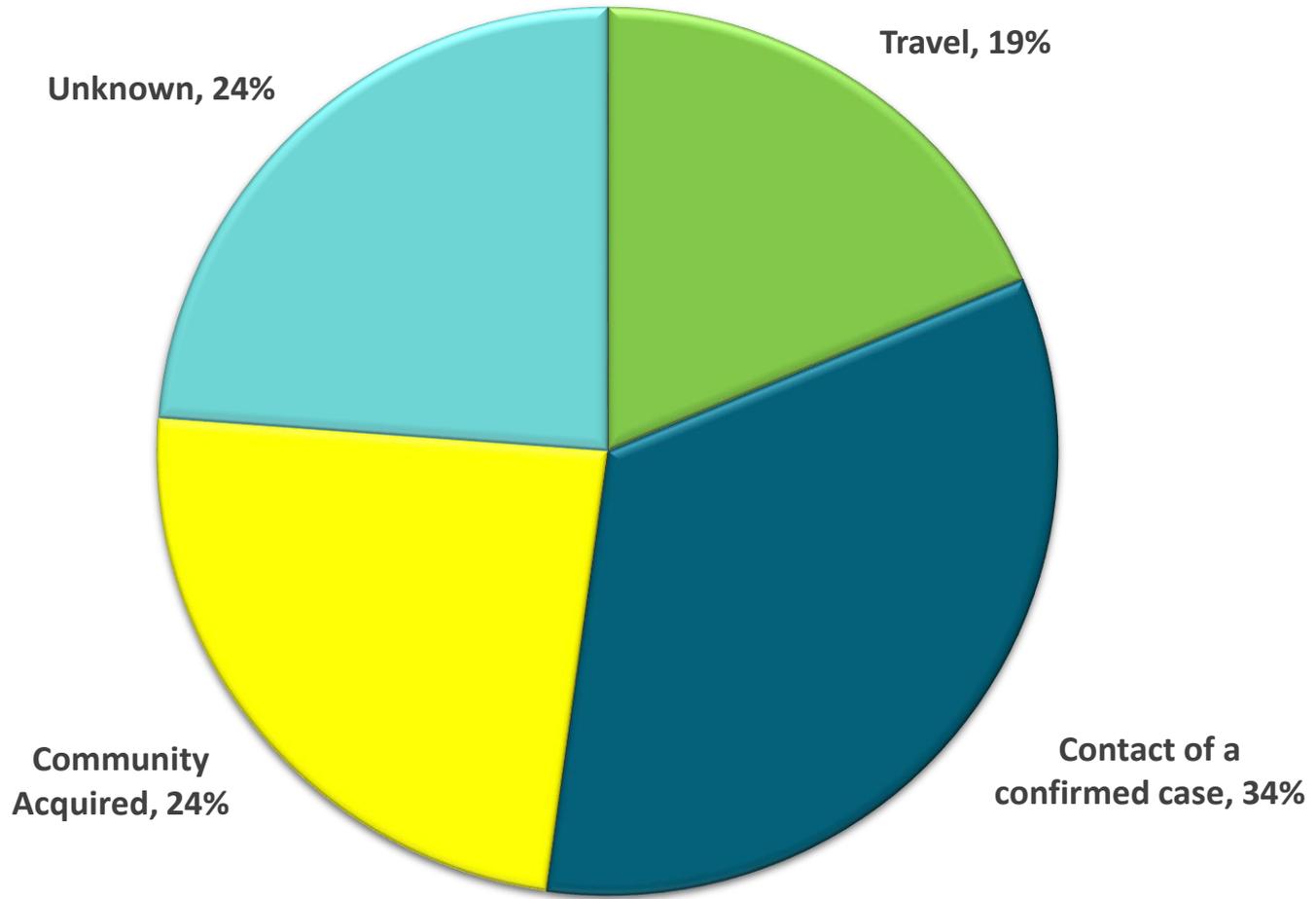
Age & Sex Distribution



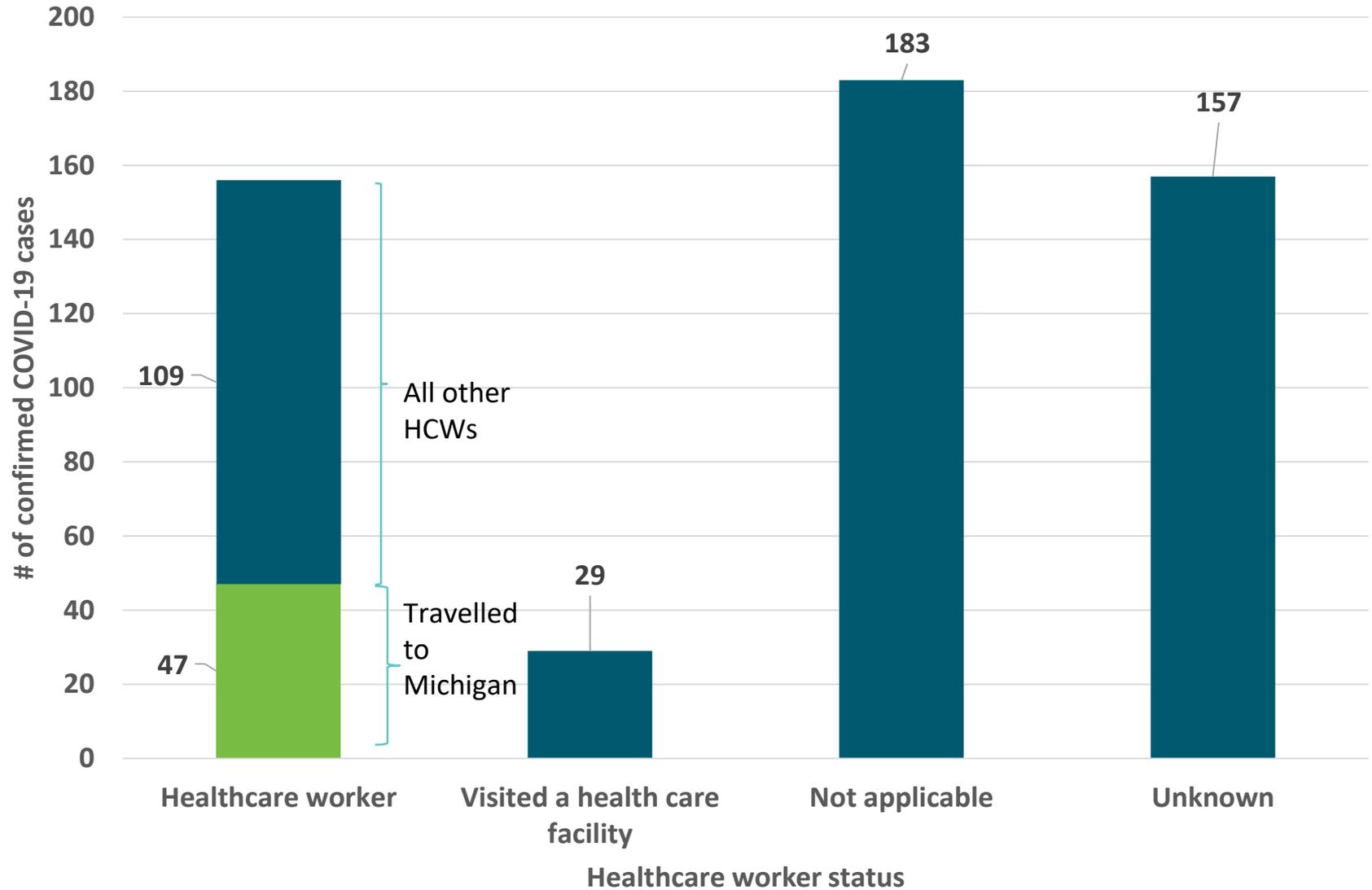
Distribution of COVID-19 Cases by Municipality



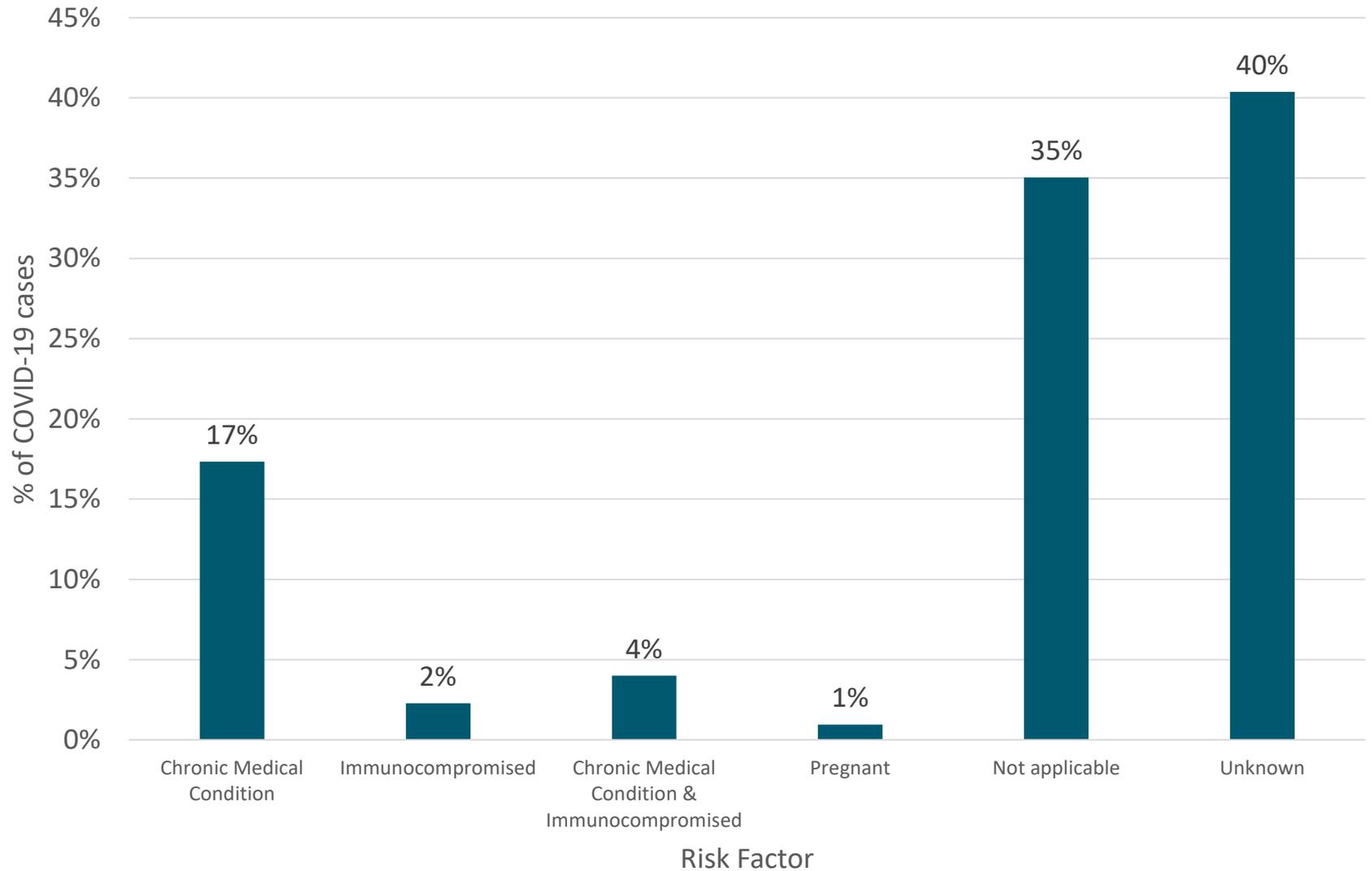
Exposure History



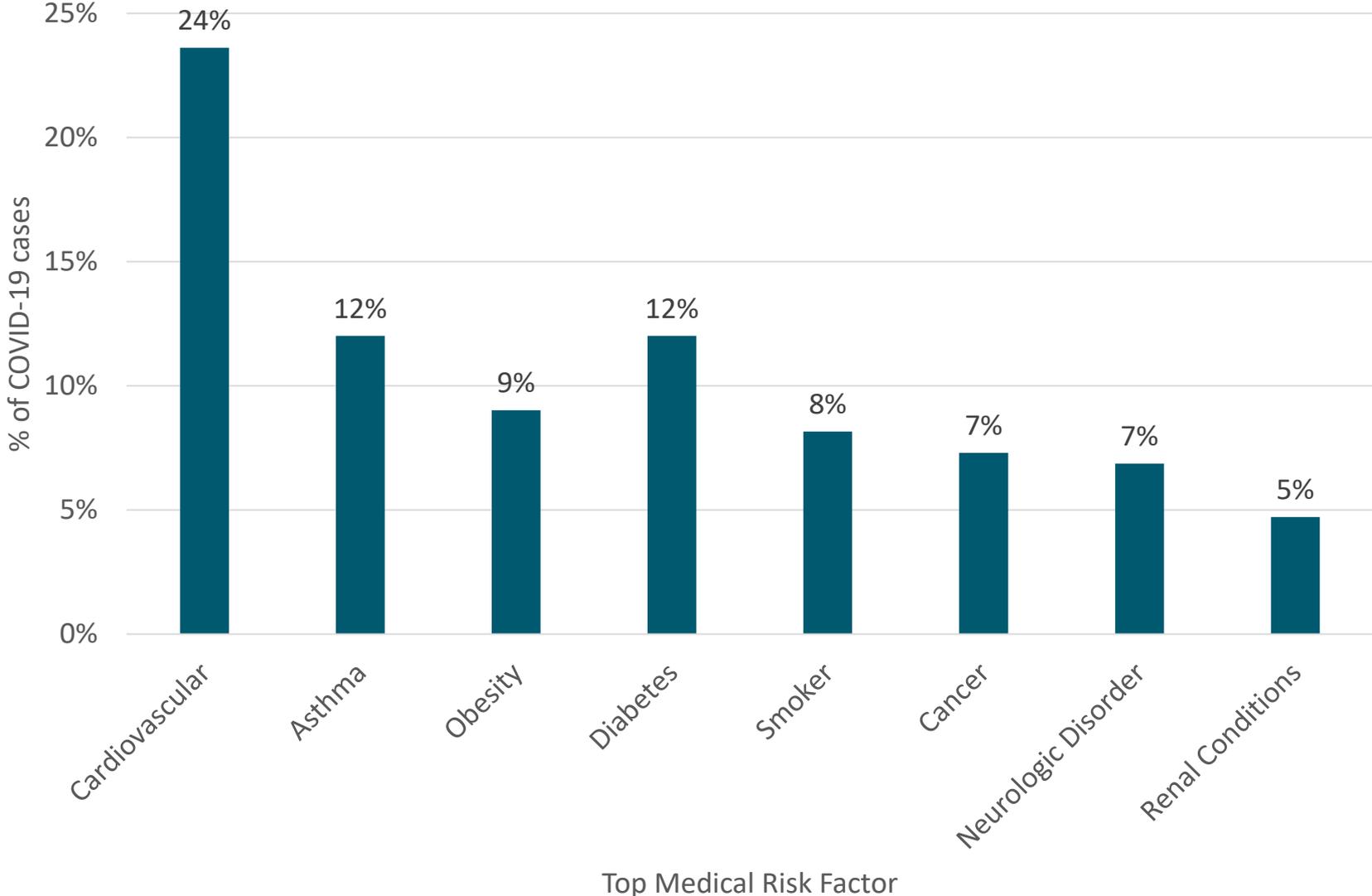
COVID-19 Cases by Healthcare Worker



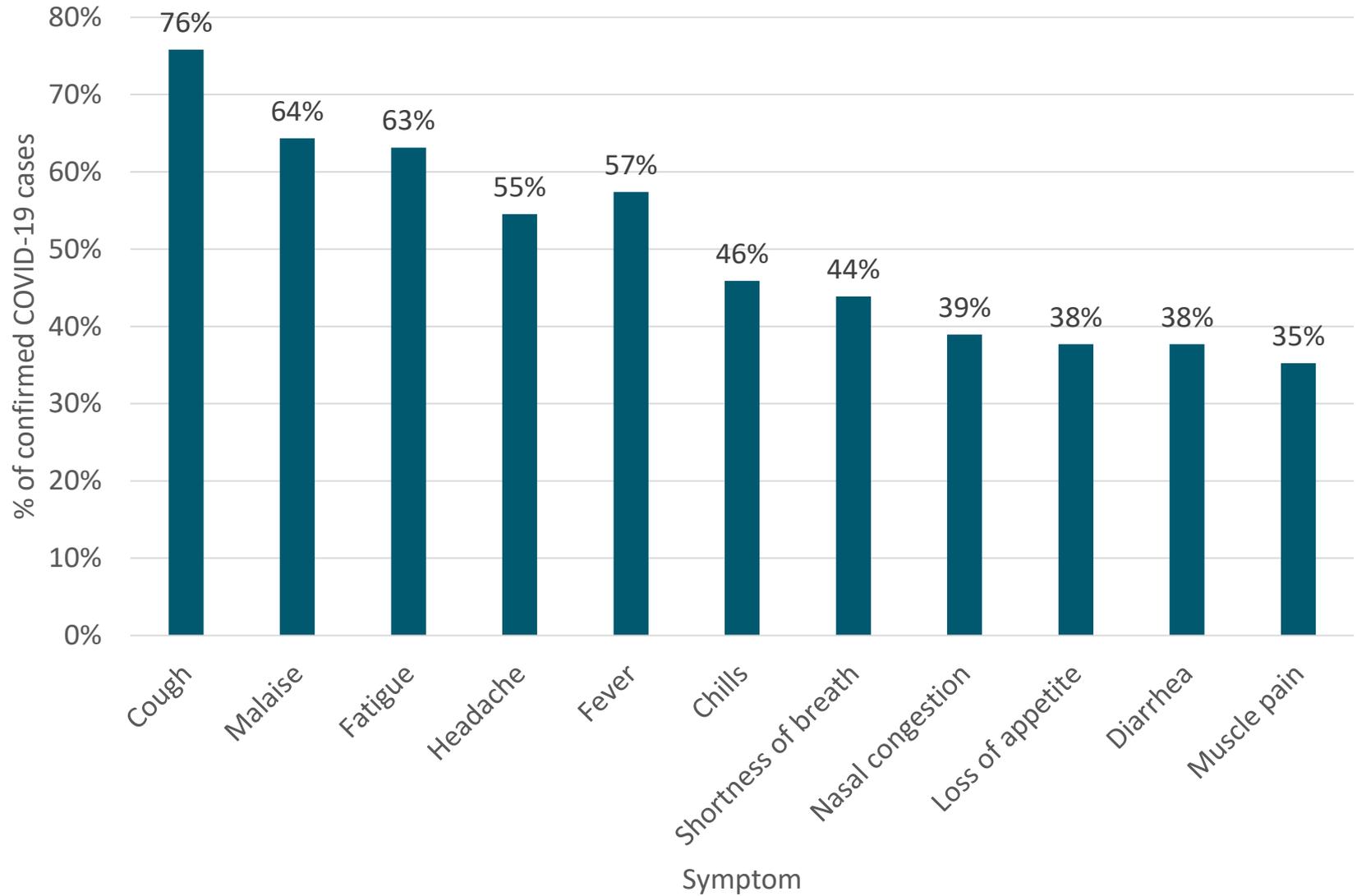
Risk Factors



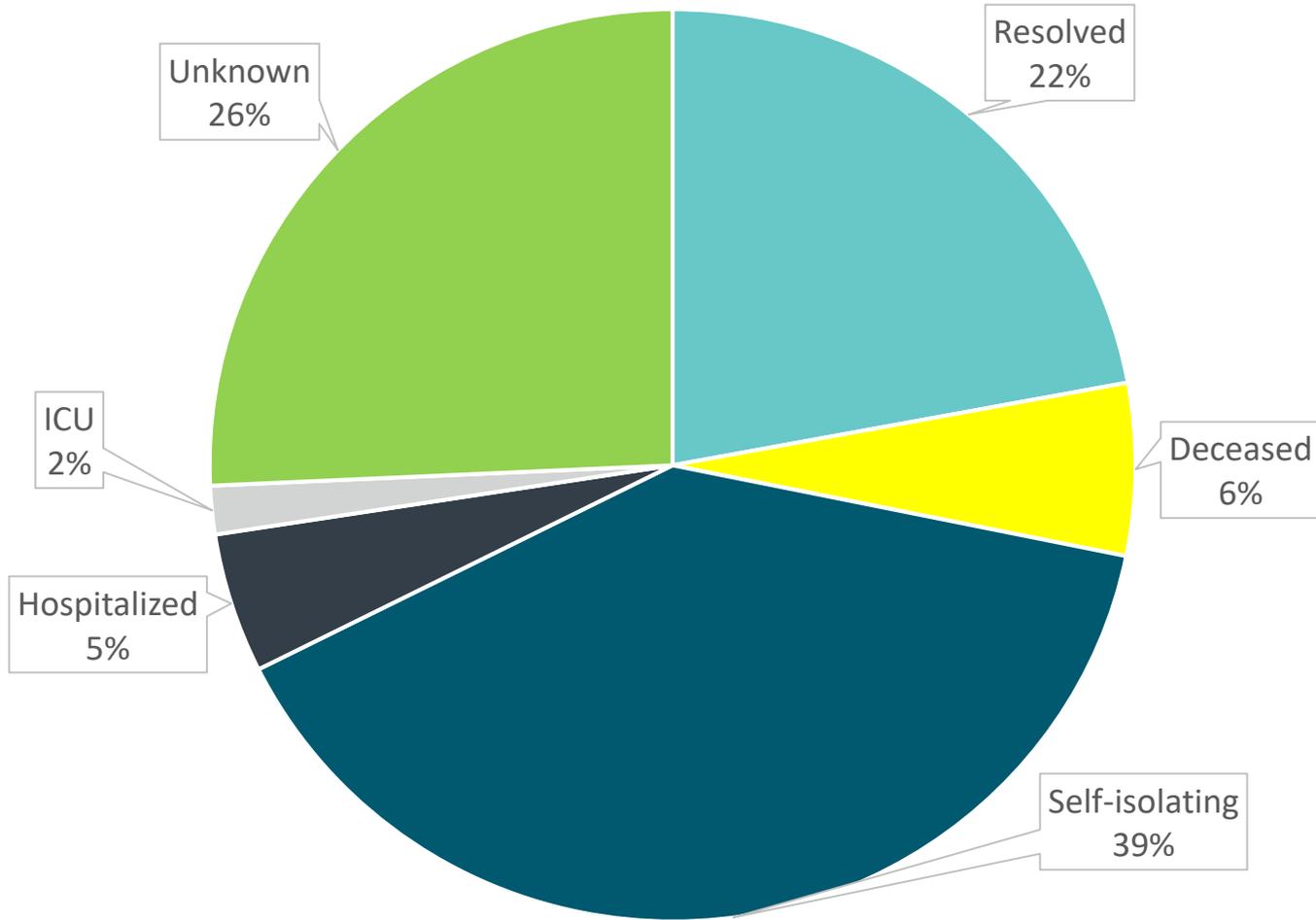
Top Medical Risk Factors



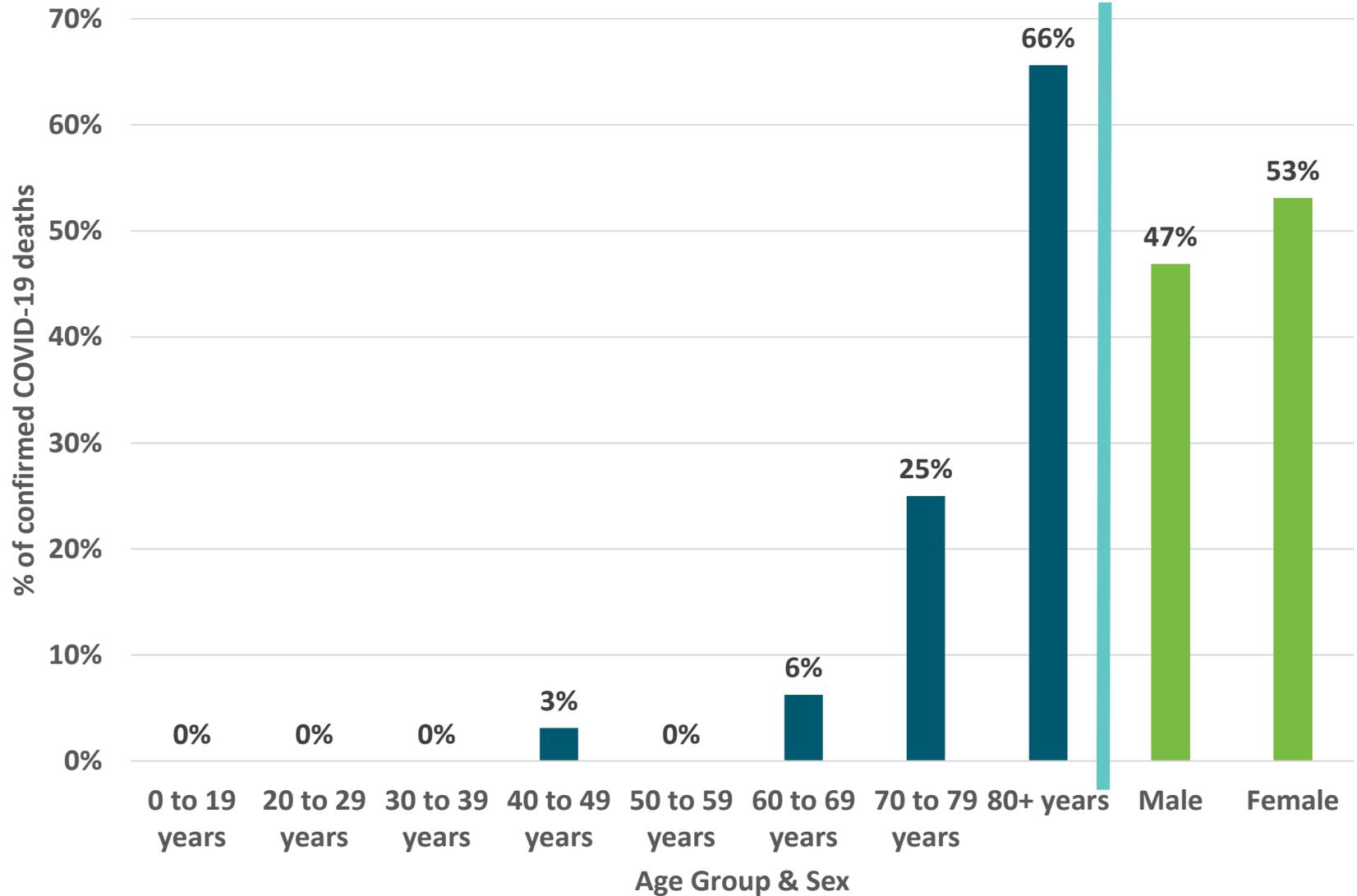
Symptoms



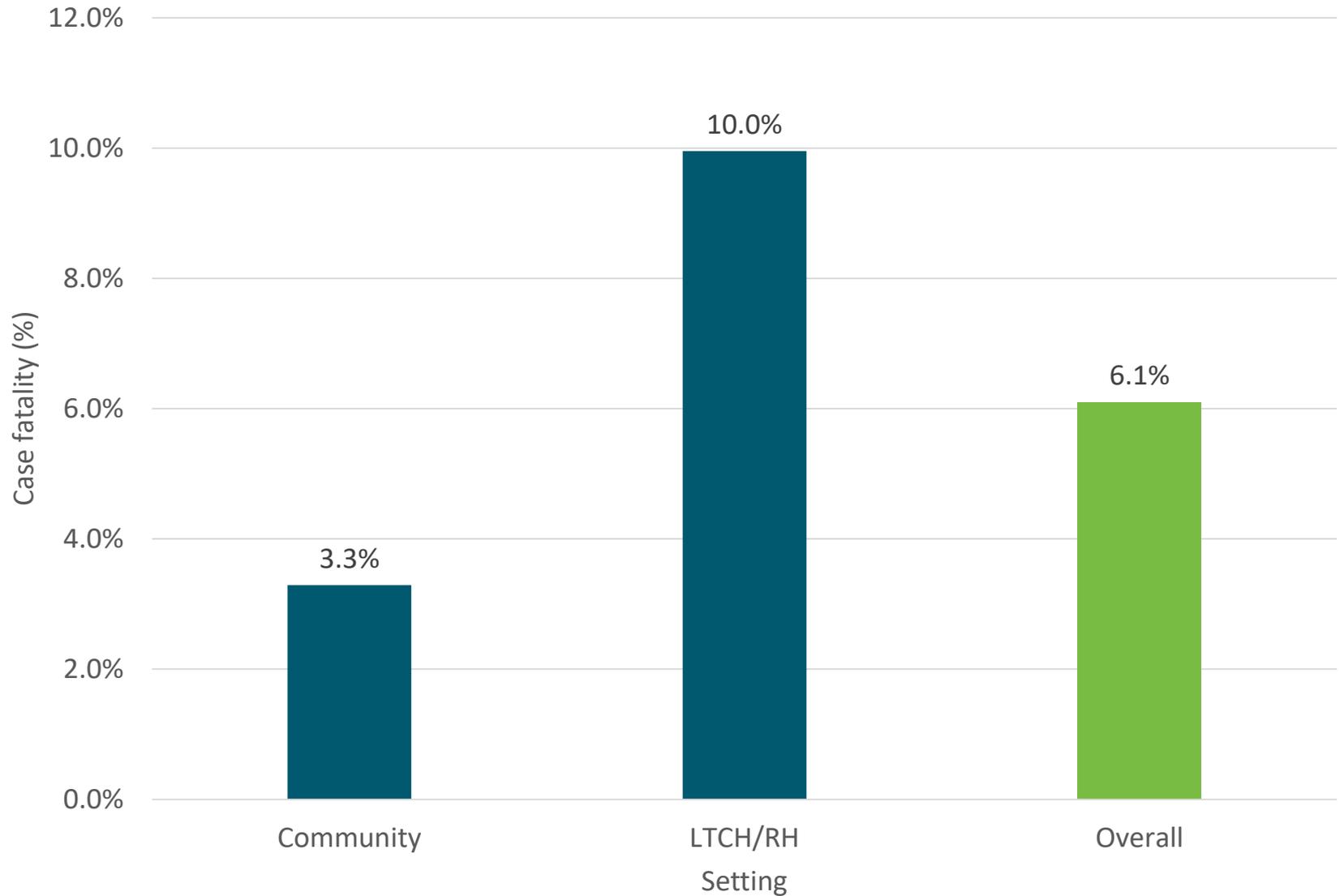
Outcomes



Age & Sex Breakdown of COVID-19 Deaths



Case Fatality Rate



Doubling Time

