

COVID-19 Windsor and Essex County: March 20, 2020 to April 30, 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 [2020/04/30].
- Ontario Ministry of Health, integrated Public Health Information System (iPHIS) database, extracted by Windsor-Essex County Health Unit [2020/04/30].
- Ontario Agency for Health Protection and Promotion (Public Health Ontario). Epidemiologic Summary: COVID-19 in Ontario – January 15, 2020 to April 29, 2020). Toronto, ON: Queen's Printer for Ontario; 2020.

Highlights

- At the time of reporting, there are 594 confirmed cases of COVID-19 in WEC between March 20th and April 30th.
- Overall, cases of COVID-19 in WEC continue to decrease. However, testing has increased in long-term care and retirement homes.
- 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 19th and April 26th, approximately 4% 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 (6%).
- Preliminary facility wide testing in three long-term care and retirement homes has indicated that 4% of residents and 2% of staff were asymptomatic and positive for COVID-19.
- The age of the cases range from 8 to 100 years (median of 55 years) with females accounting for approximately 60% of all cases compared to approximately 40% in males.
 - Among females, 26% of all female cases were among those 80 years or older
 - Among males, 17% of all male cases were among those 80 years or older.
- Approximately 65% of the cases reside in the City of Windsor.
- The majority of the cases early during the pandemic in WEC were travel related, followed by community transmission. Currently we are seeing a decrease in community transmission and most of the cases over the past couple of weeks due to close contact transmission.
- 30% of the confirmed COVID-19 cases are healthcare workers and of these 178 healthcare workers, 29% reported travelled to Michigan prior to becoming ill.
- Of the COVID-19 cases reporting a risk factor, 21% had a cardiovascular condition, 9% reported being obese, 9% had diabetes and 9% had asthma.

- Coughing 75% was the most commonly reported symptom among cases with COVID-19 reporting any symptoms followed by a malaise (66%), fatigue (65%) and fever (60%).
- Cases of COVID-19 within the ICU has decreased April 22nd while hospitalizations have remained relatively stable since April 7th.
 - Please note that the hospitalizations do not include cases that are currently at the St. Clair Sportsplex Field Hospital.
- Approximately 35% of cases are still in self-isolation while 31% of cases have resolved.
- Approximately 70% of the deaths have occurred in individuals 80 years or older.
 - 60% of the deaths were in females and 40% in males.
- The overall case fatality rate in WEC is 8.4%. When stratified by long-term care and retirement homes, the case fatality rate within long-term care and retirement homes is 14.5%.
- The trajectory of the doubling rate for COVID-19 in Windsor is more than four days and heading towards five days. Last week this was closer to four days.



COVID-19 *LIVE UPDATE*

May 1, 2020

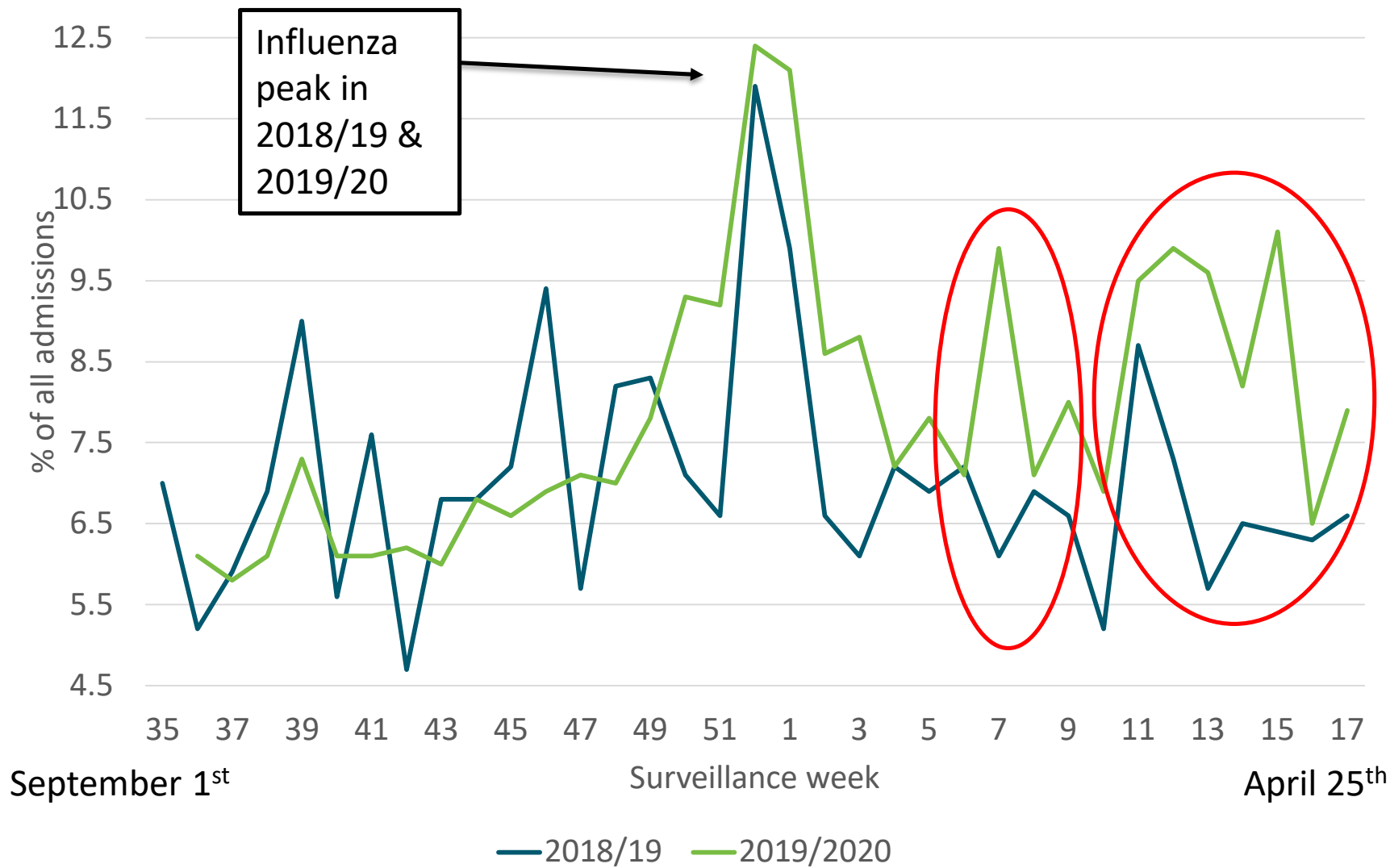
FOR UP-TO-DATE
CASE NUMBERS
VISIT
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COVID-19 Epidemiological Summary

Content covered:

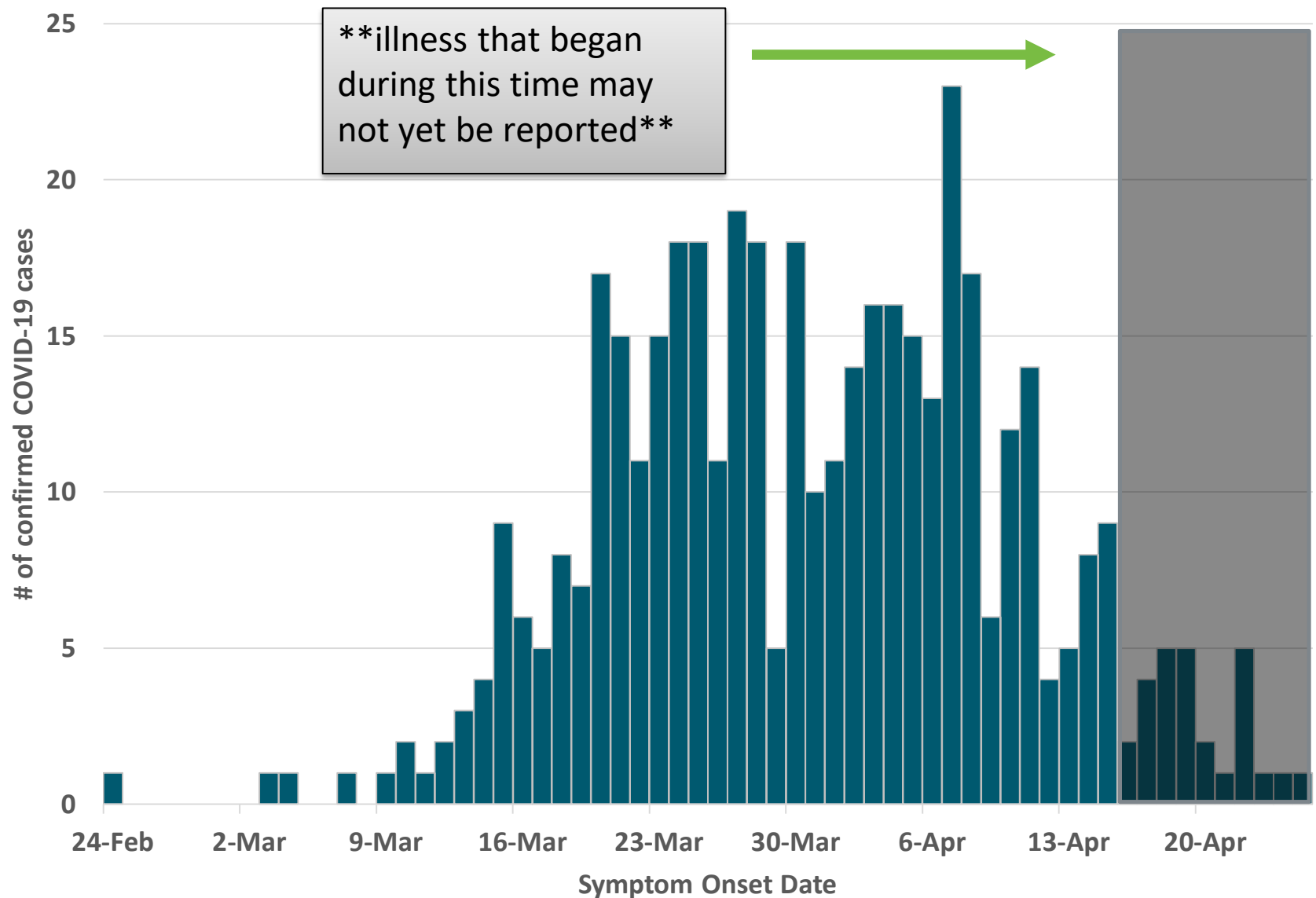
- Hospital Admissions based on syndromes
- Epidemic curves
 - By 1) Overall; 2) 3-day epicurve; 3) Community vs. LTCH
- Regional & provincial rates
- Percent positivity of COVID-19 tests
- Symptomatic vs. Asymptomatic COVID-19 cases
- Age & sex distribution
- Distribution by Municipality
- Exposure history
- Travel History
- Healthcare worker status
- Risk Factors
- Symptoms
- Hospitalizations
- Outcomes
- Breakdown by deaths
- Doubling time

Hospital Admissions Based on Syndromes (asthma, influenza-like-illness, pneumonia, sepsis or suspect COVID)

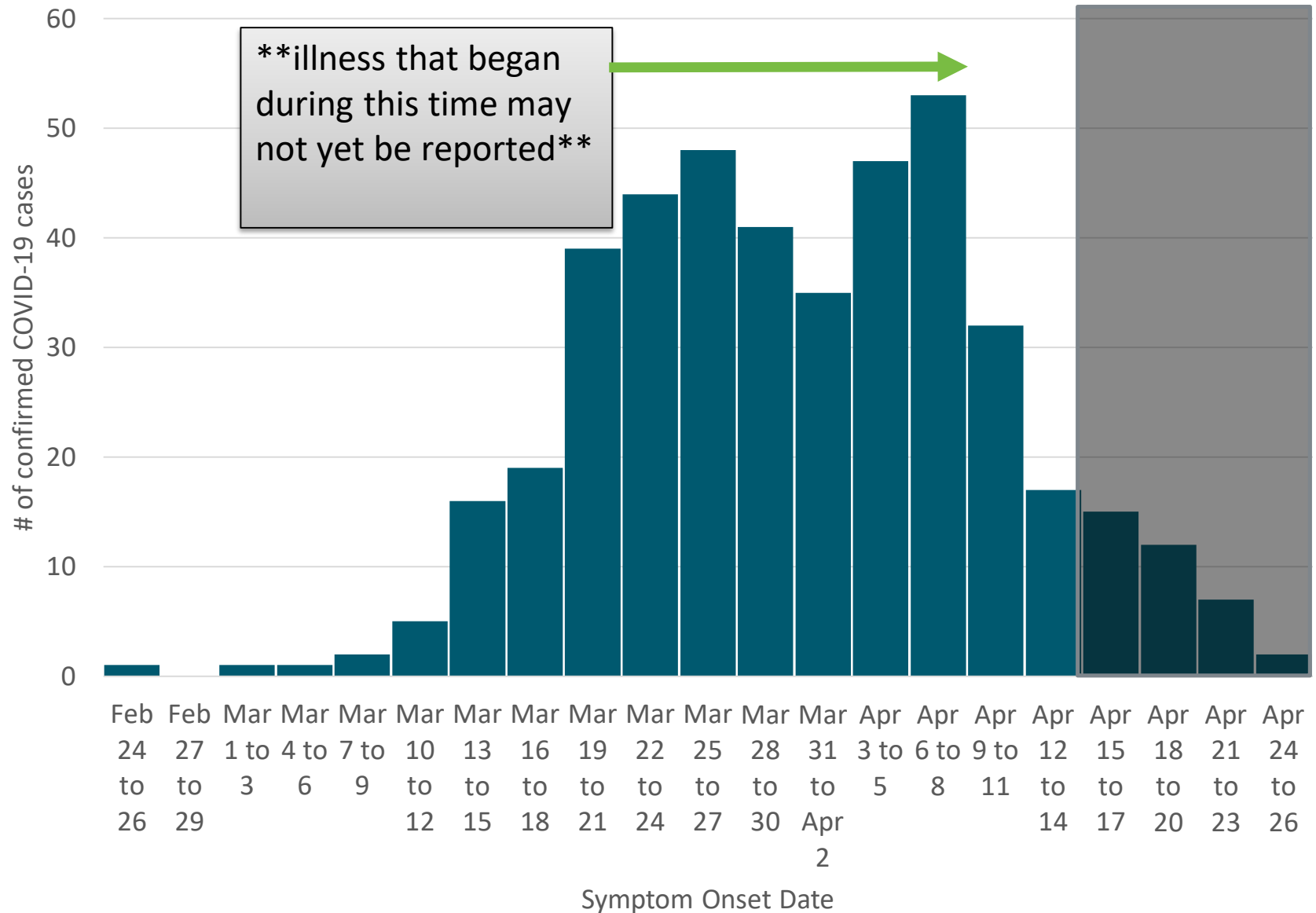


2020-05-01

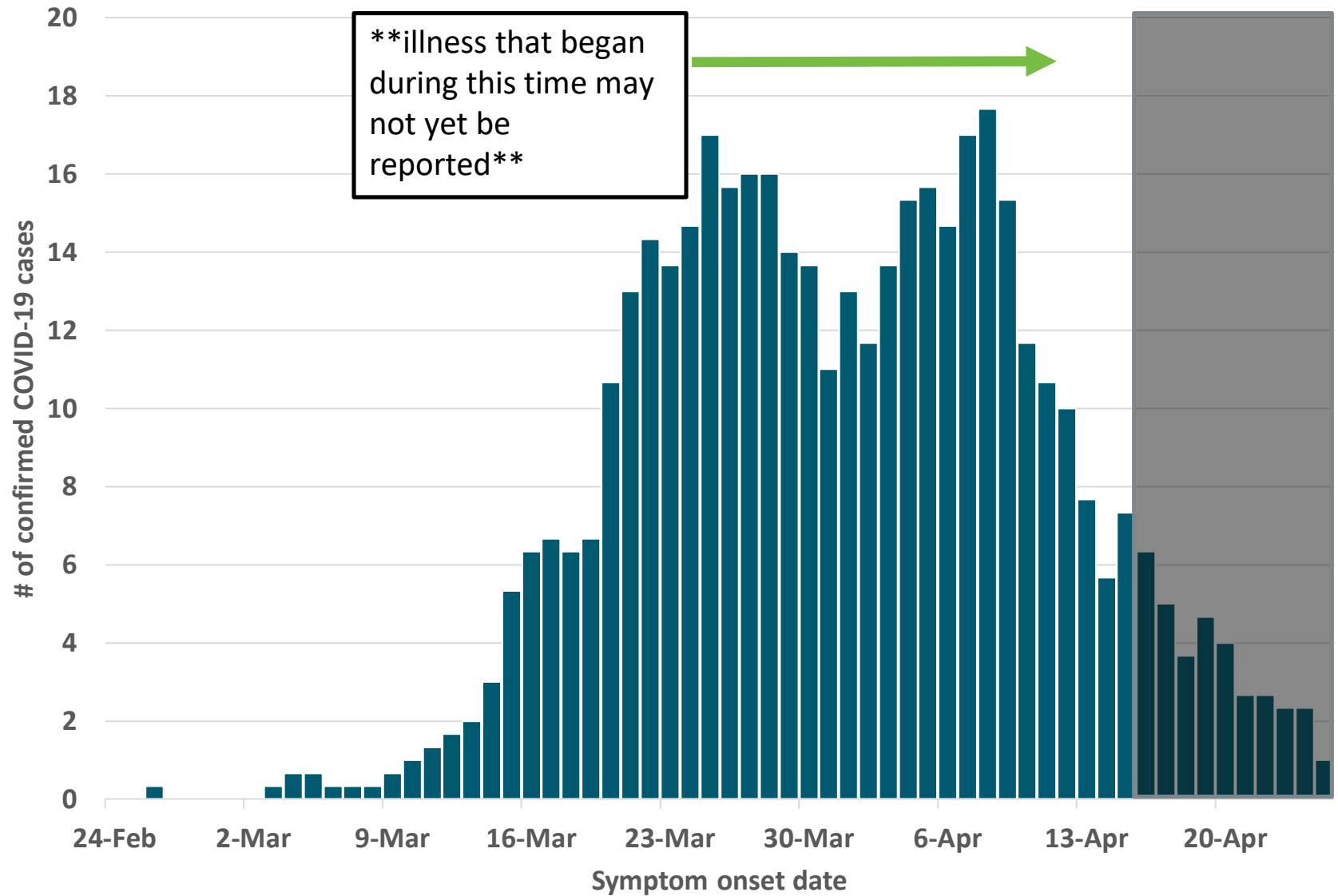
Epidemic Curve by Symptom Onset Date



3-Day Epidemic Curve by Symptom Onset

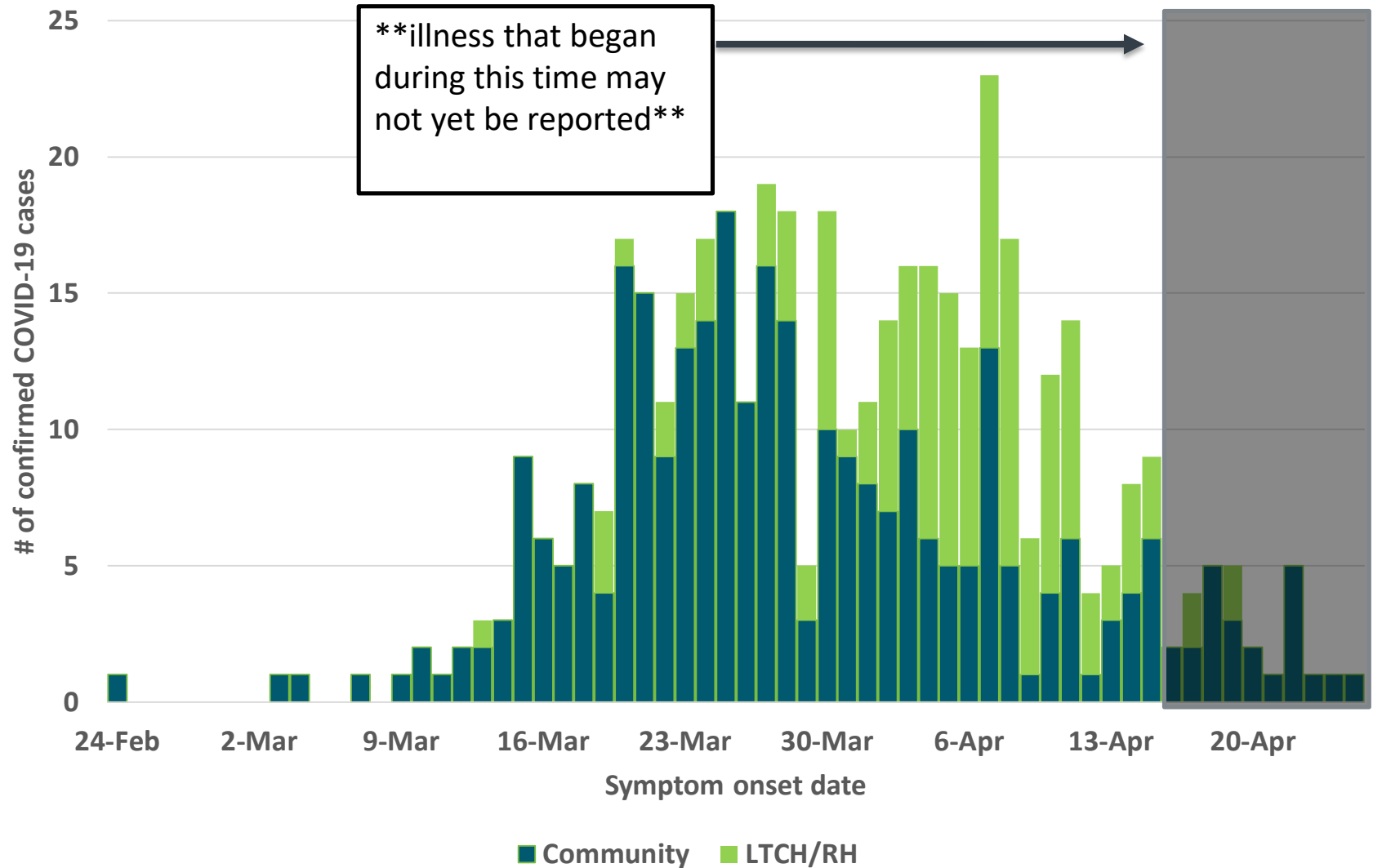


Epidemic Curve by 3-Day Moving Average

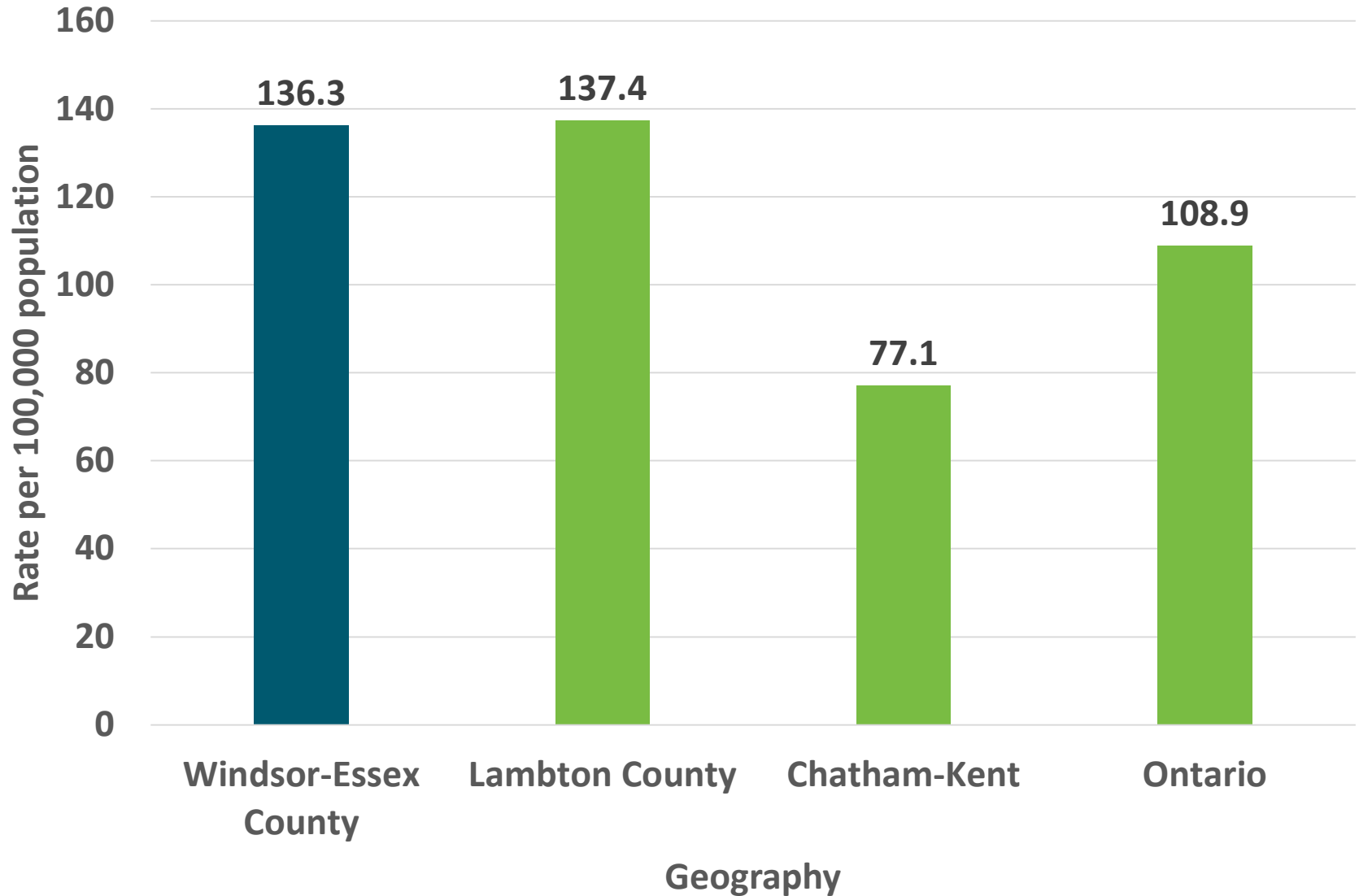


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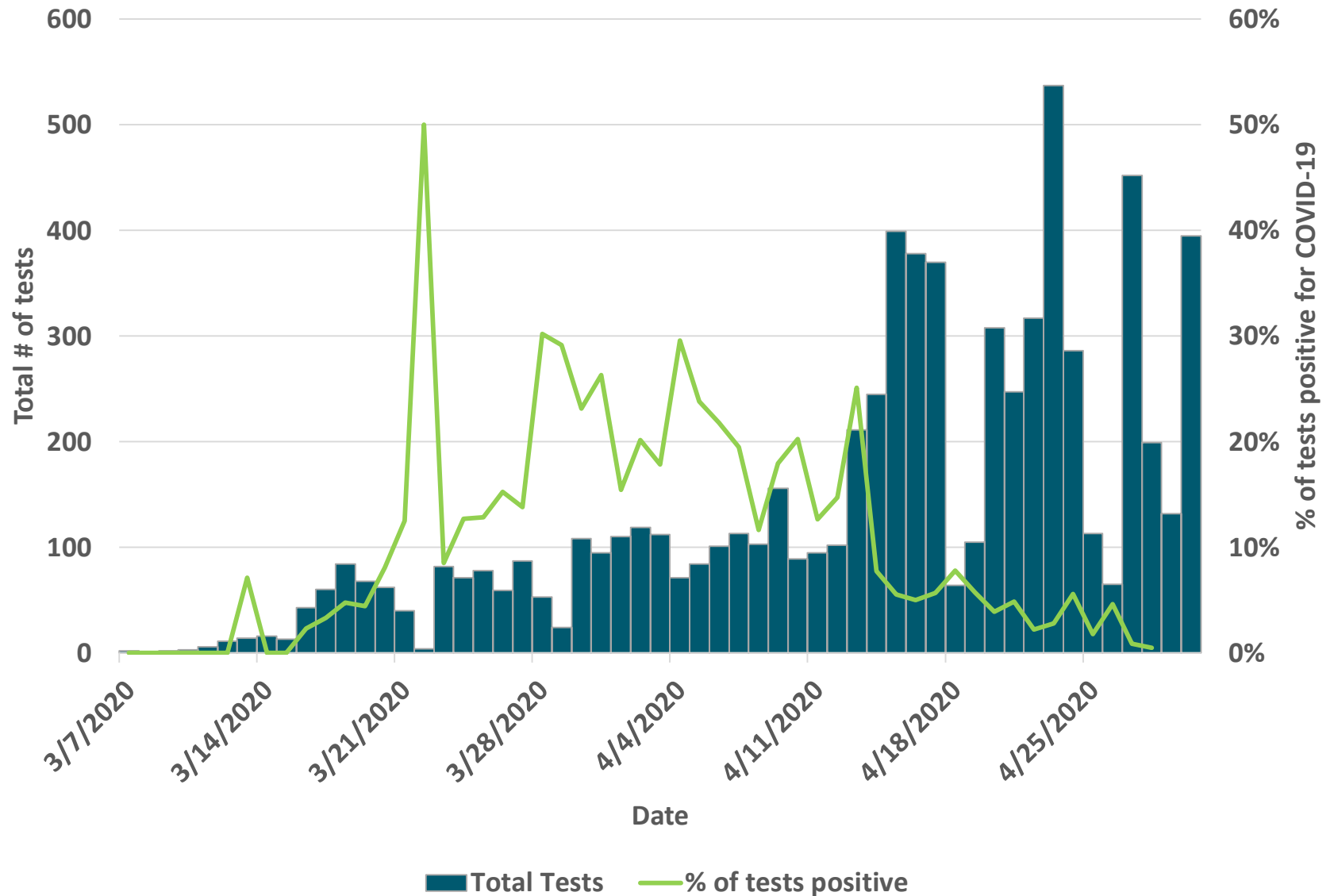
Epidemic Curve by Community vs. LTCH/RH by Symptom Onset Date



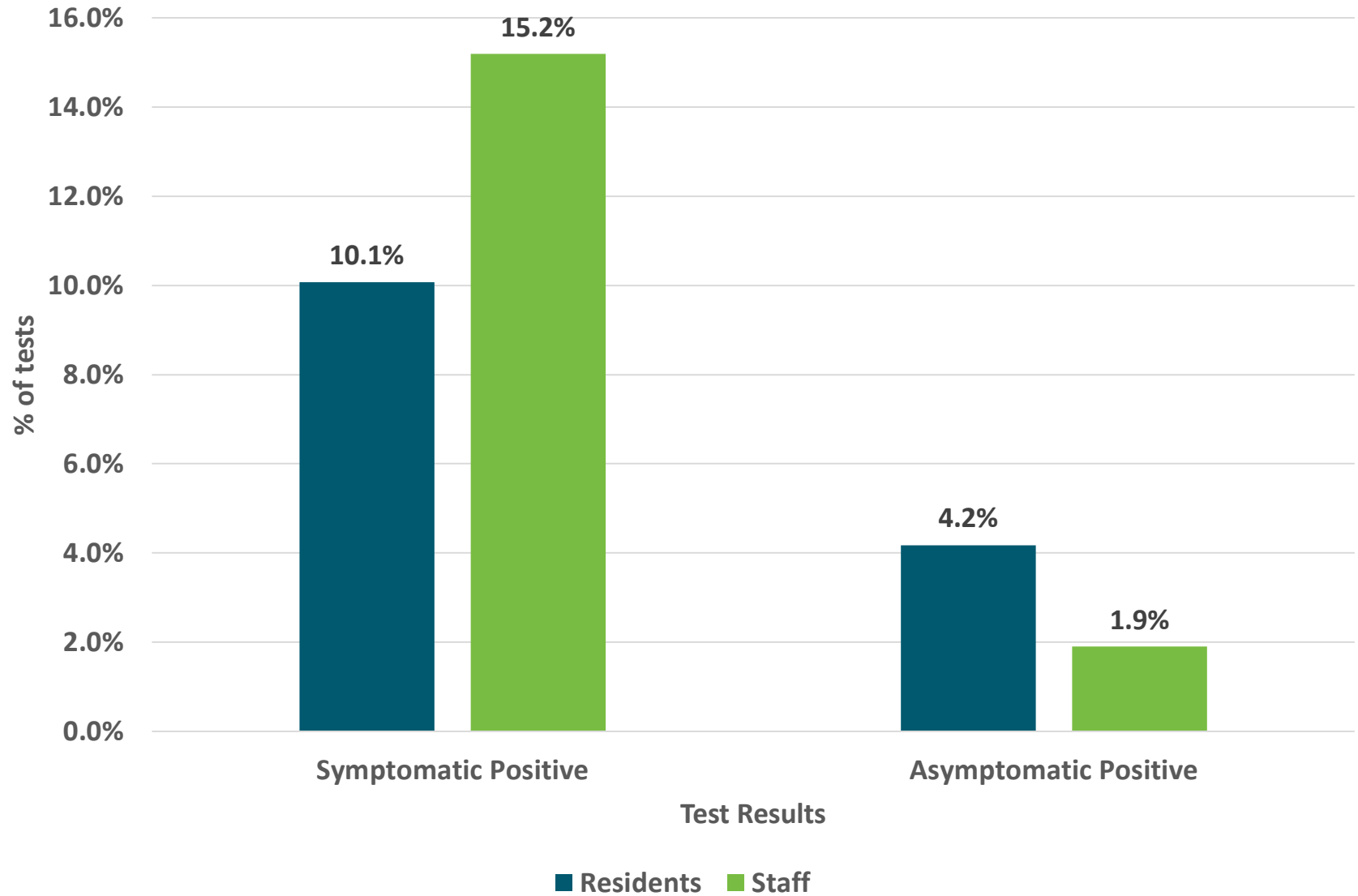
Regional & Provincial Rates



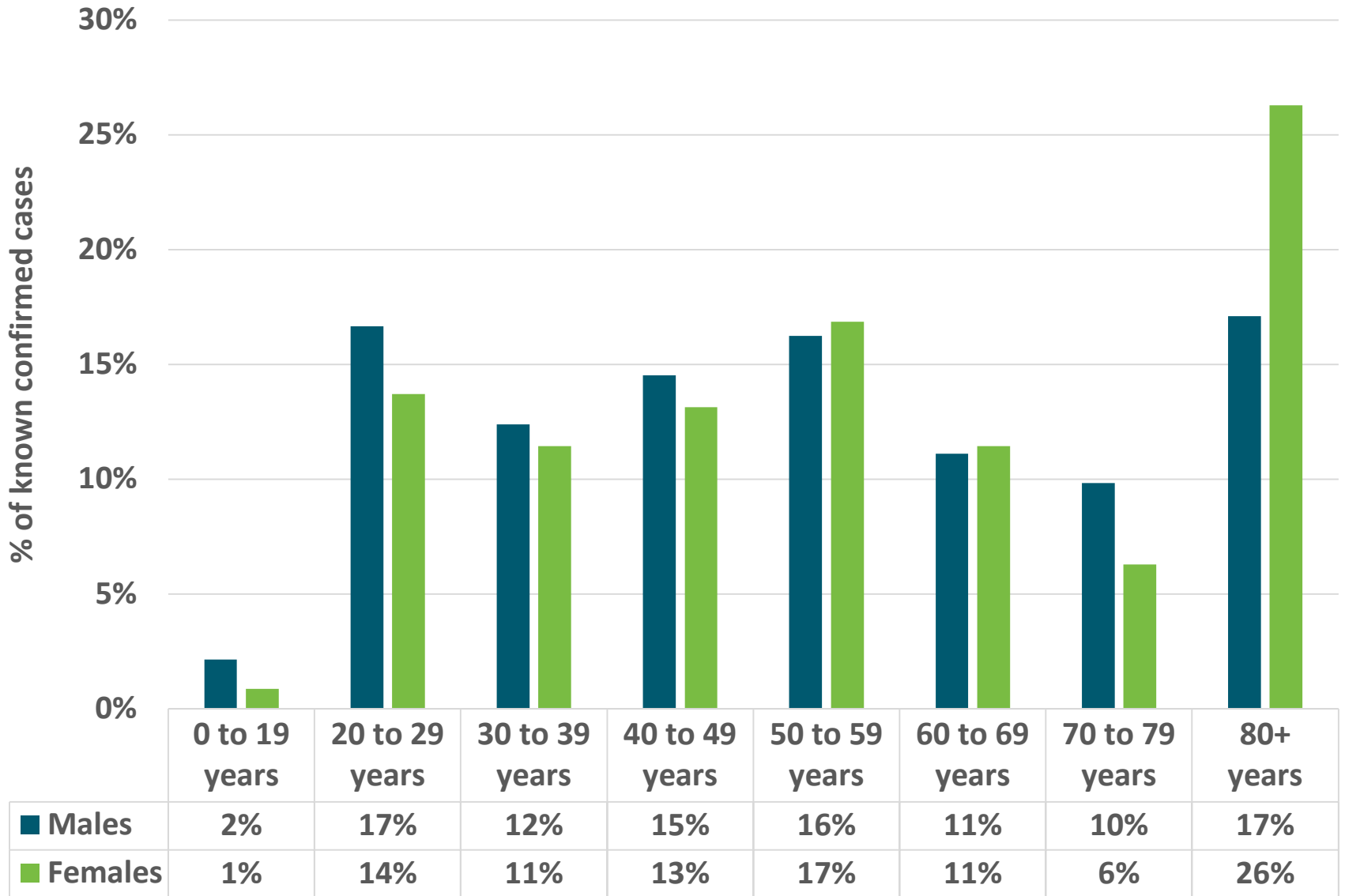
Percent Positivity of People Tested for COVID-19



Symptomatic Vs. Asymptomatic Positives

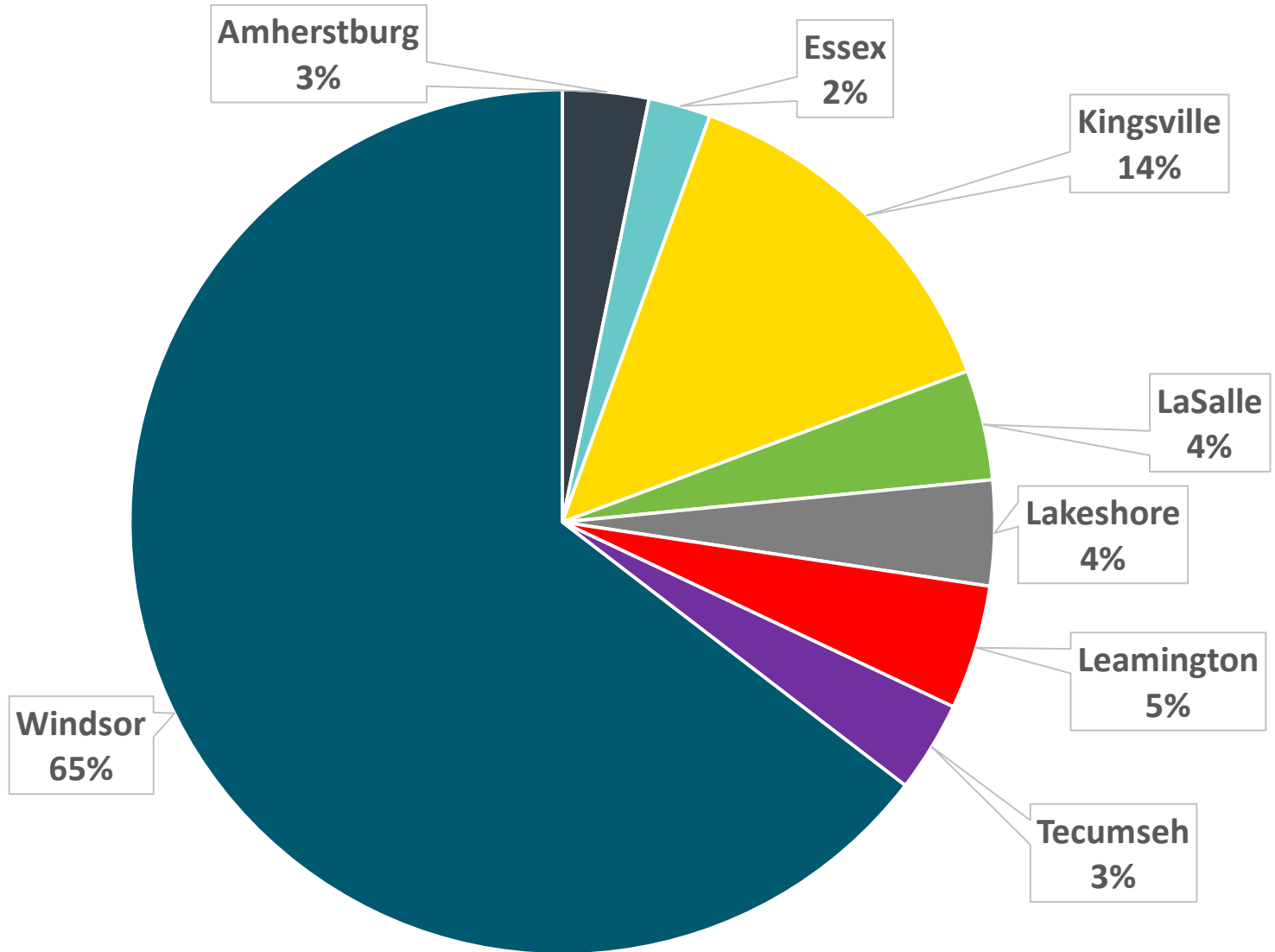


Age & Sex Distribution

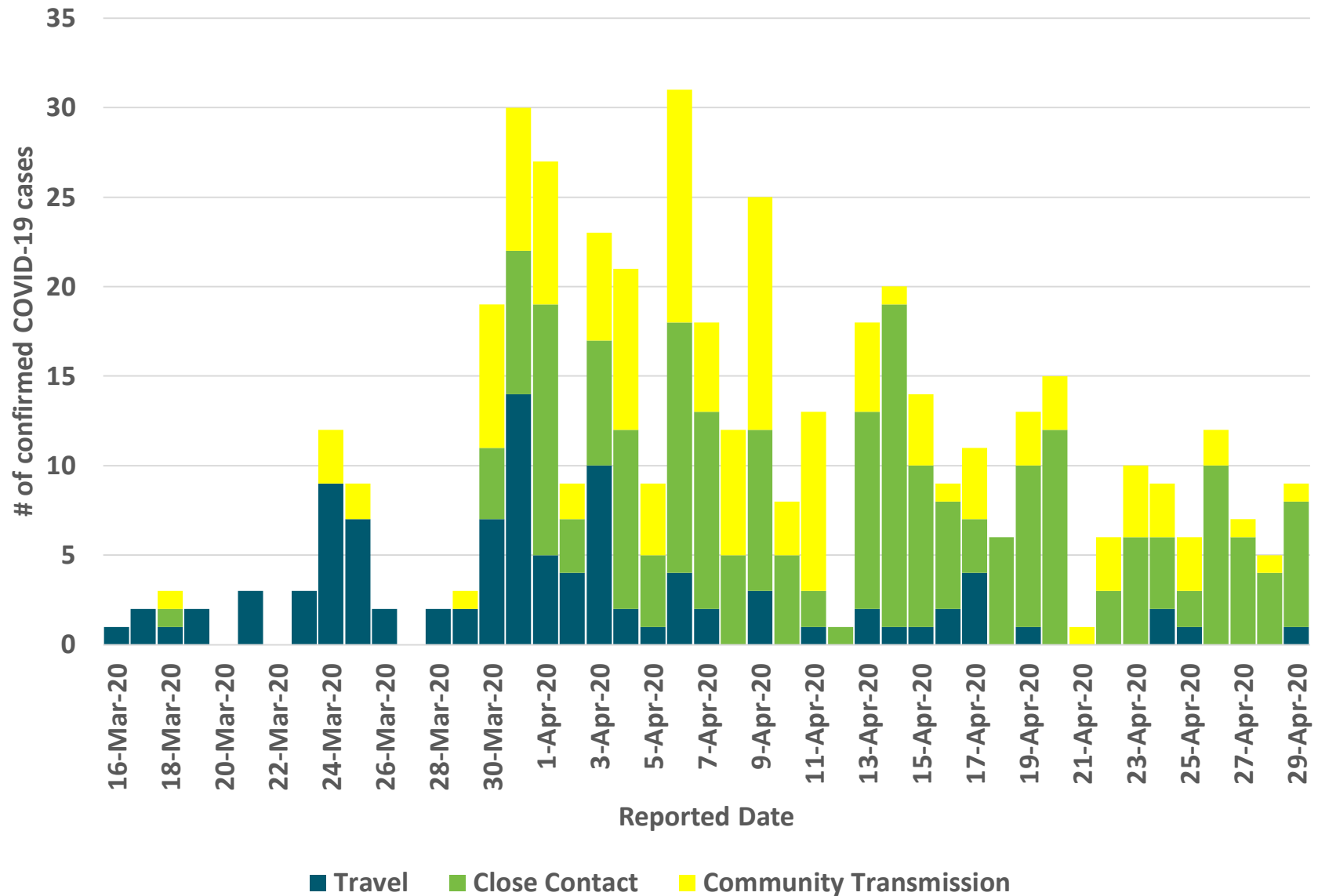


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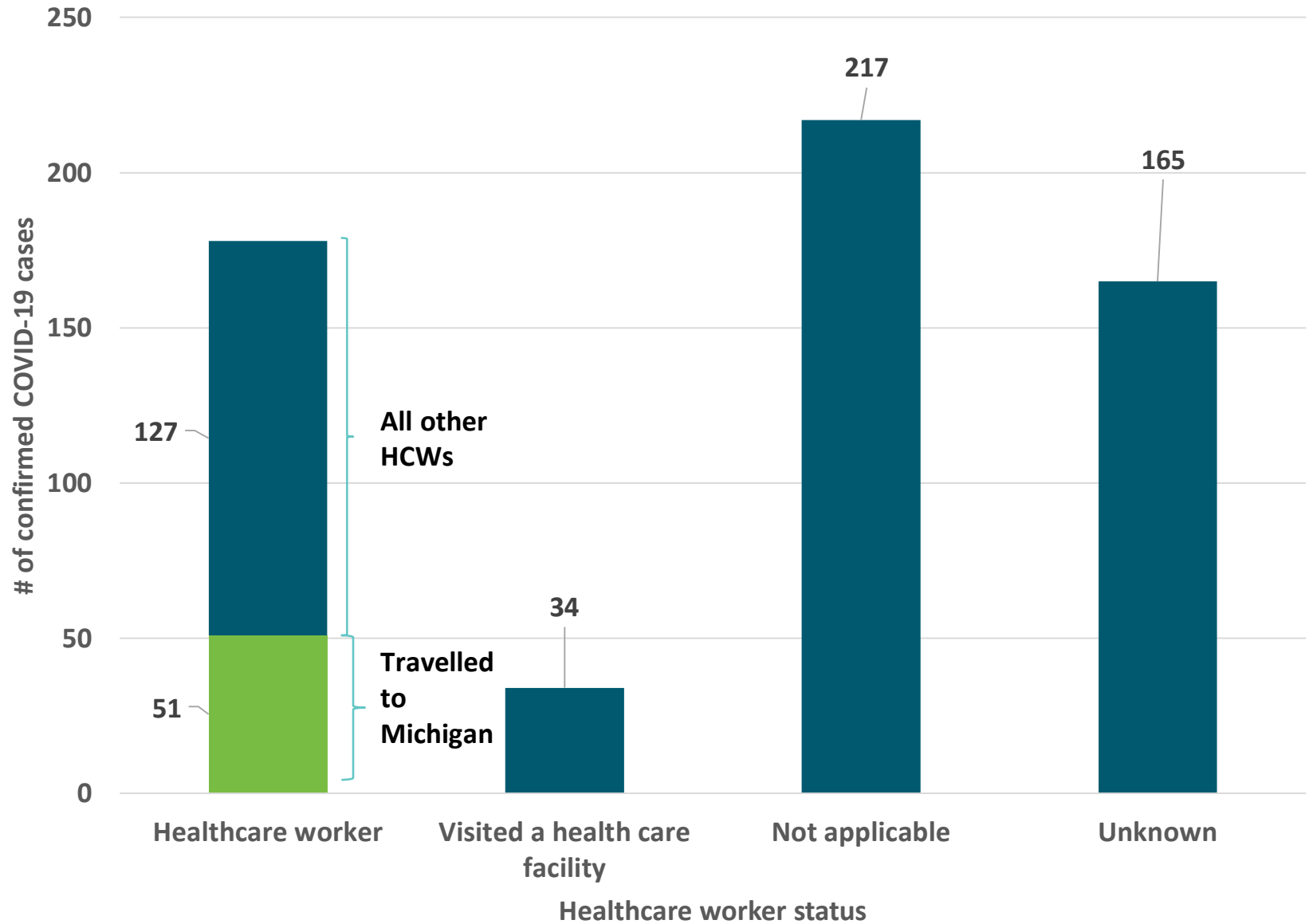
Distribution of COVID-19 Cases by Municipality



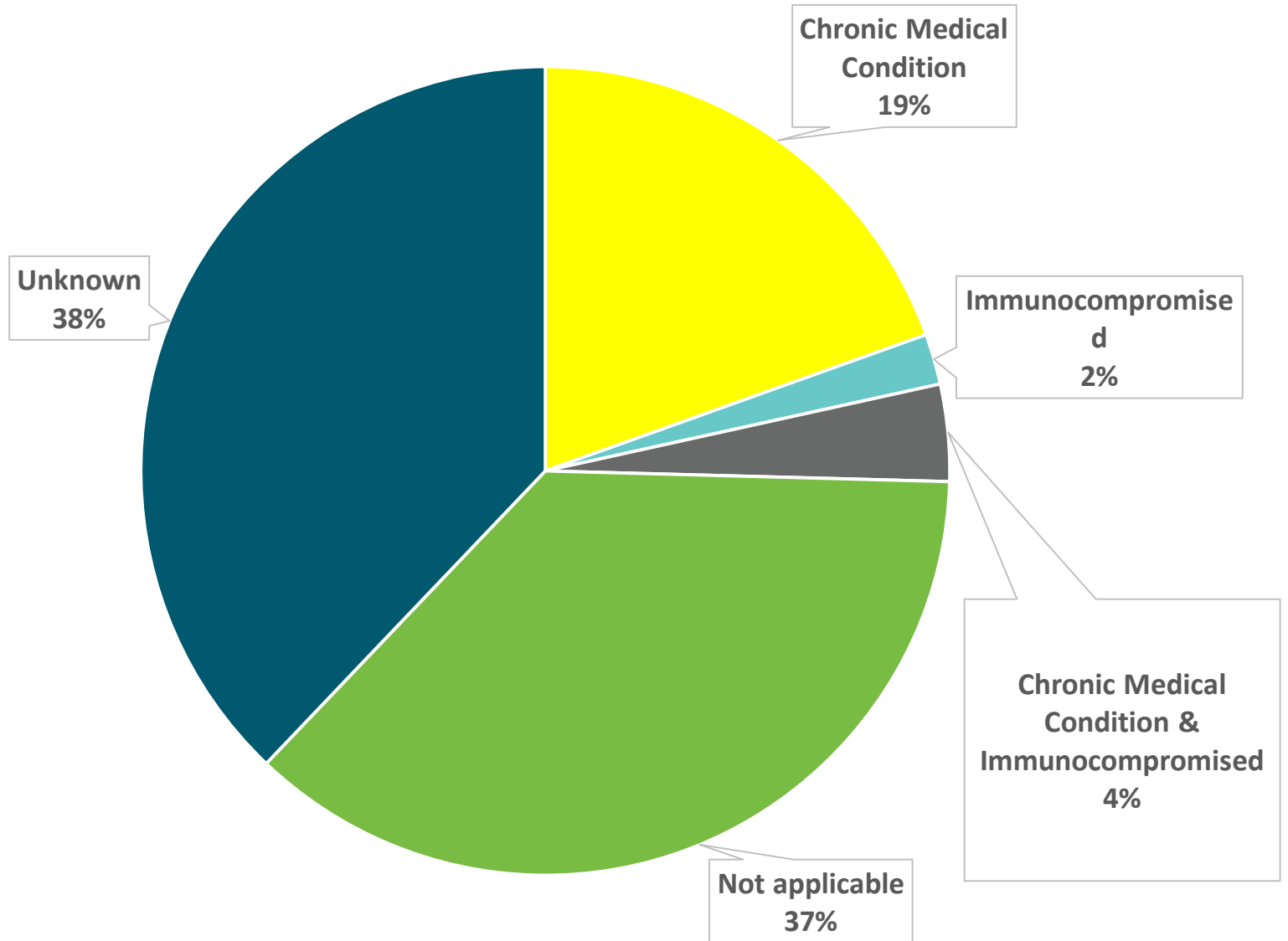
Exposure History by Reported Date



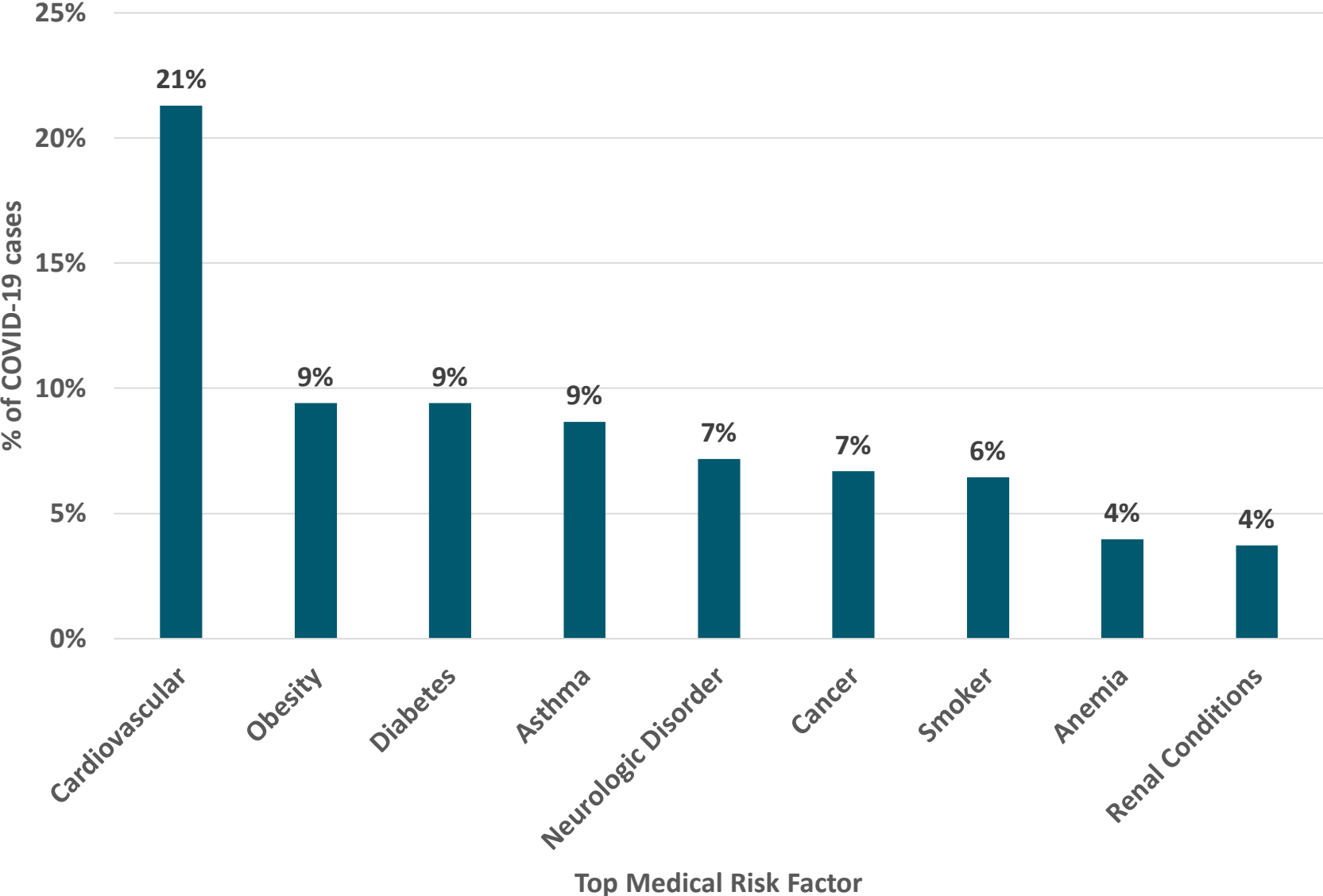
COVID-19 Cases by Healthcare Worker



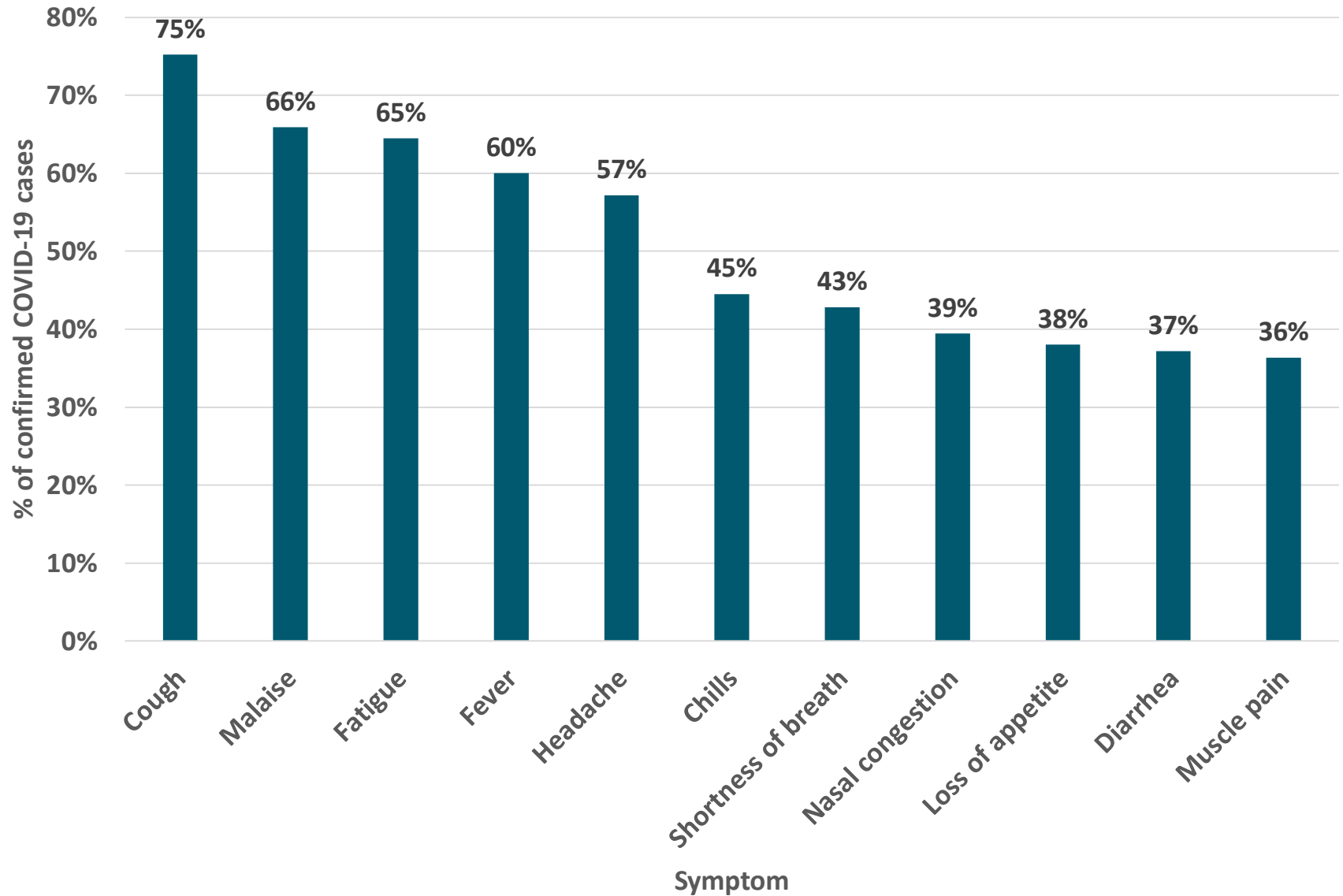
Risk Factors



Top Medical Risk Factors

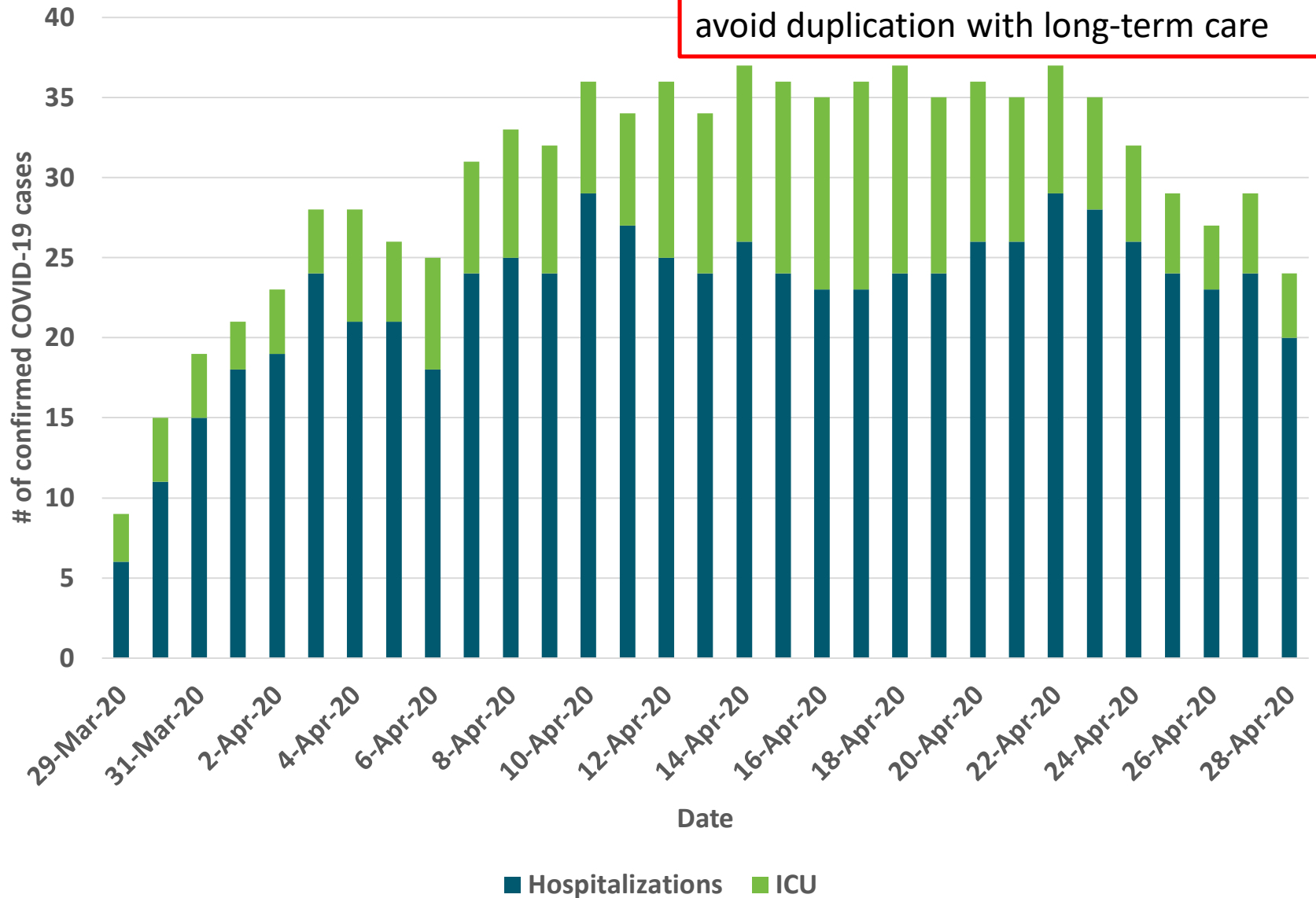


Most Common Symptoms

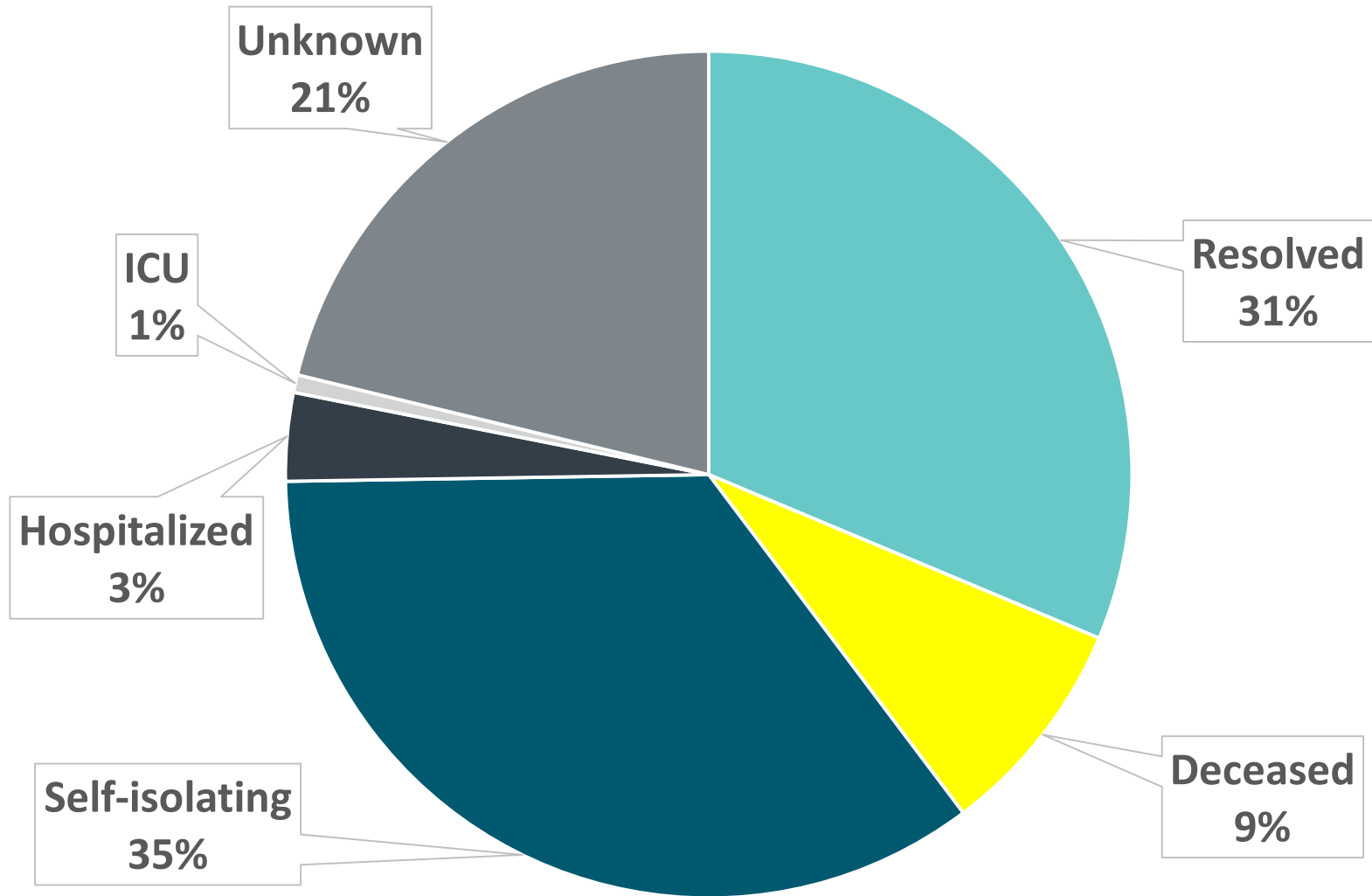


Hospitalizations

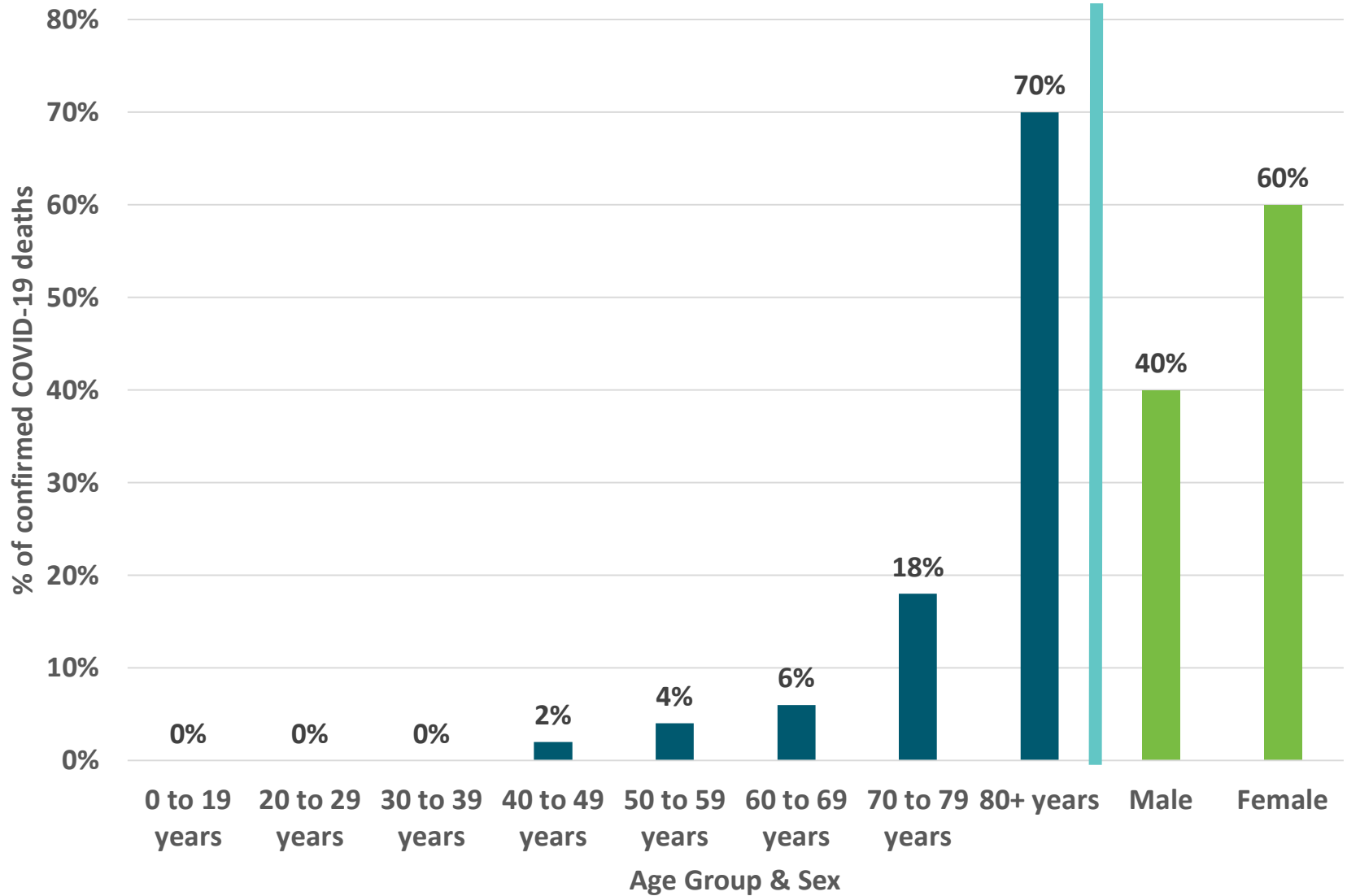
Note: Individuals admitted to the St. Clair Sportsplex Field Hospital have been excluded for consistency and to avoid duplication with long-term care



Outcomes

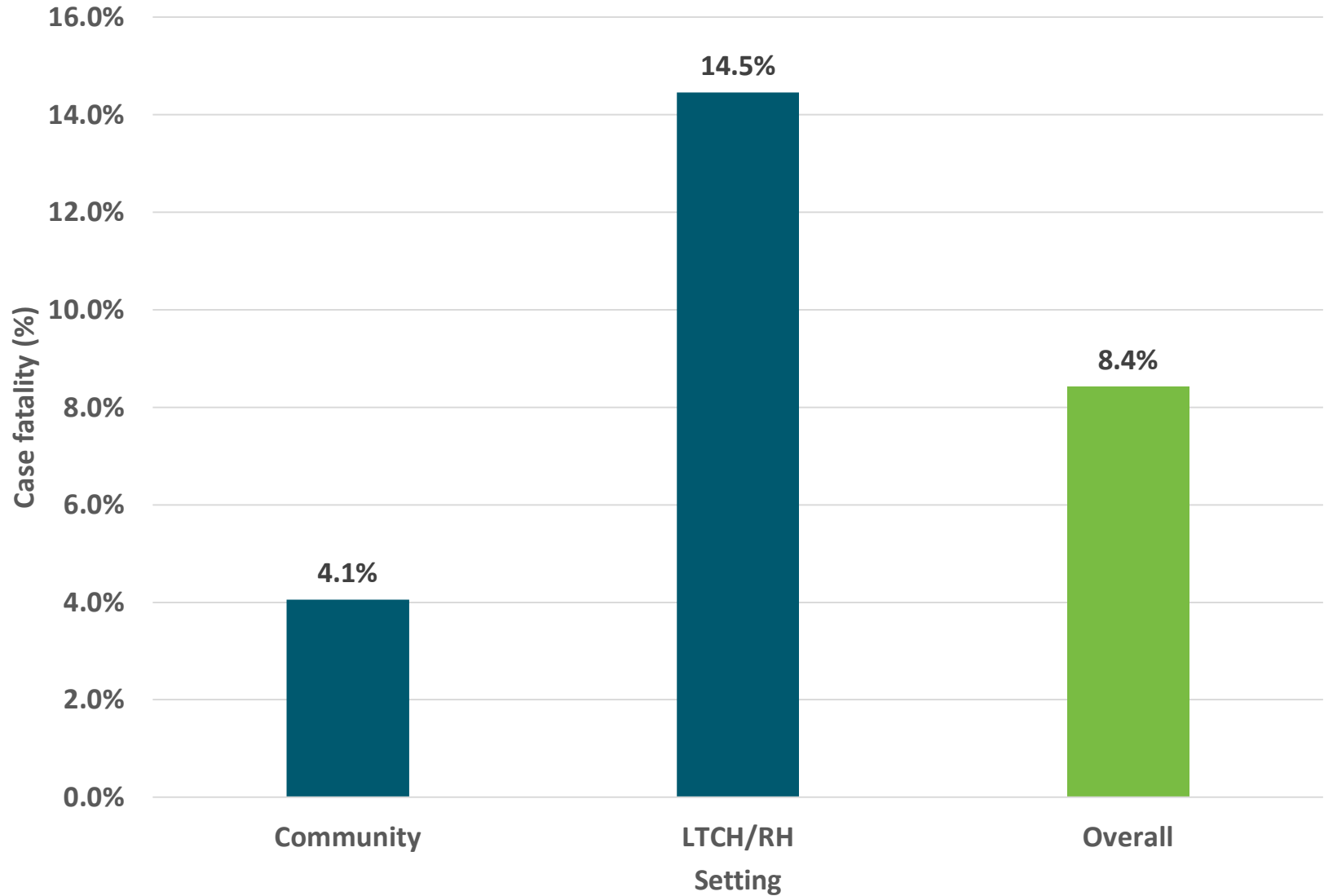


Age & Sex Breakdown of COVID-19 Deaths



2020-05-01

Case Fatality Rate



Doubling Time

