



Infectious Diseases Update

Board of Health
August 10, 2022

1. COVID-19 Situation Report and Scarsin Forecast

- Overall Status
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- Scarsin Forecast

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- Situation Report
- Vaccination Update

COVID-19 SITUATION REPORT & SCARSIN FORECAST

Ruth Sanderson, Epidemiologist

COVID-19 Overall Status

COVID-19 Transmission Status in Hamilton

Data updated as of Wednesday, August 3, 2022

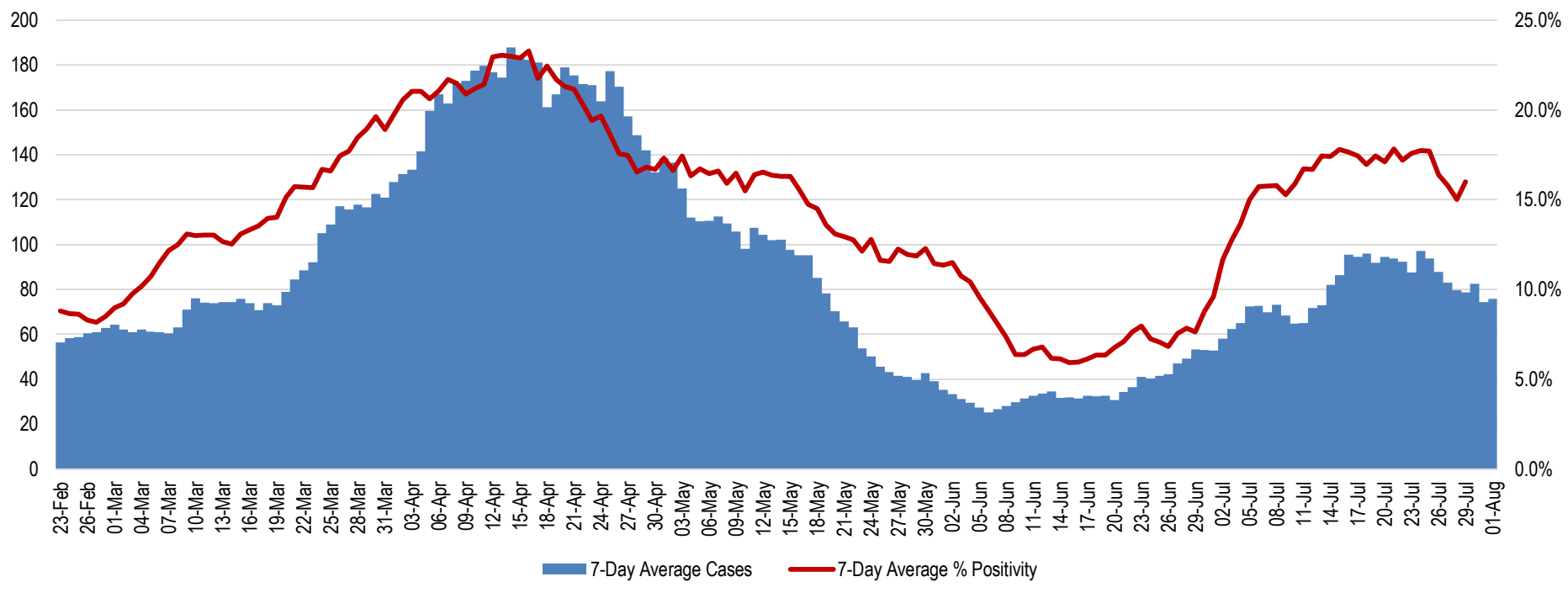
Overall Assessment

Transmission Status High & Stable



COVID-19 Transmission Status in Hamilton

COVID-19 Reported Cases and Percent Positivity, City of Hamilton, February 23 - August 3, 2022

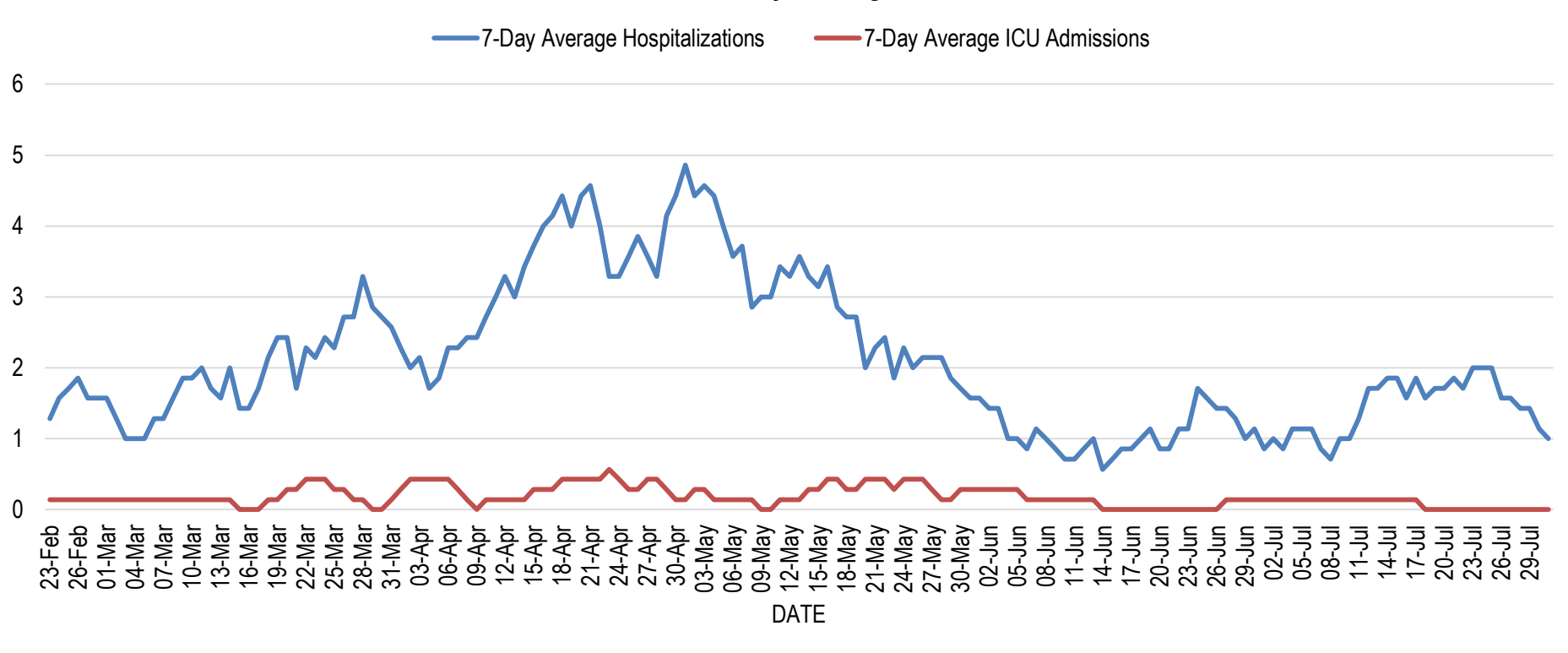


Key Messages

- Hamilton is in the 7th wave of COVID-19. COVID-19 transmission is high and stable overall.
- The number of active outbreaks, wastewater signal, new COVID-19 hospitalizations and Intensive Care Unit admissions have all stabilized over the past two weeks.
- The number of reported cases and test positivity have decreased slightly over the past two weeks.

COVID-19 Severity Indicator Status in Hamilton

COVID-19 Hospitalizations and Intensive Care Unit (ICU) Admissions reported to Public Health Services, City of Hamilton, February 23 - August 3, 2022



Key Messages

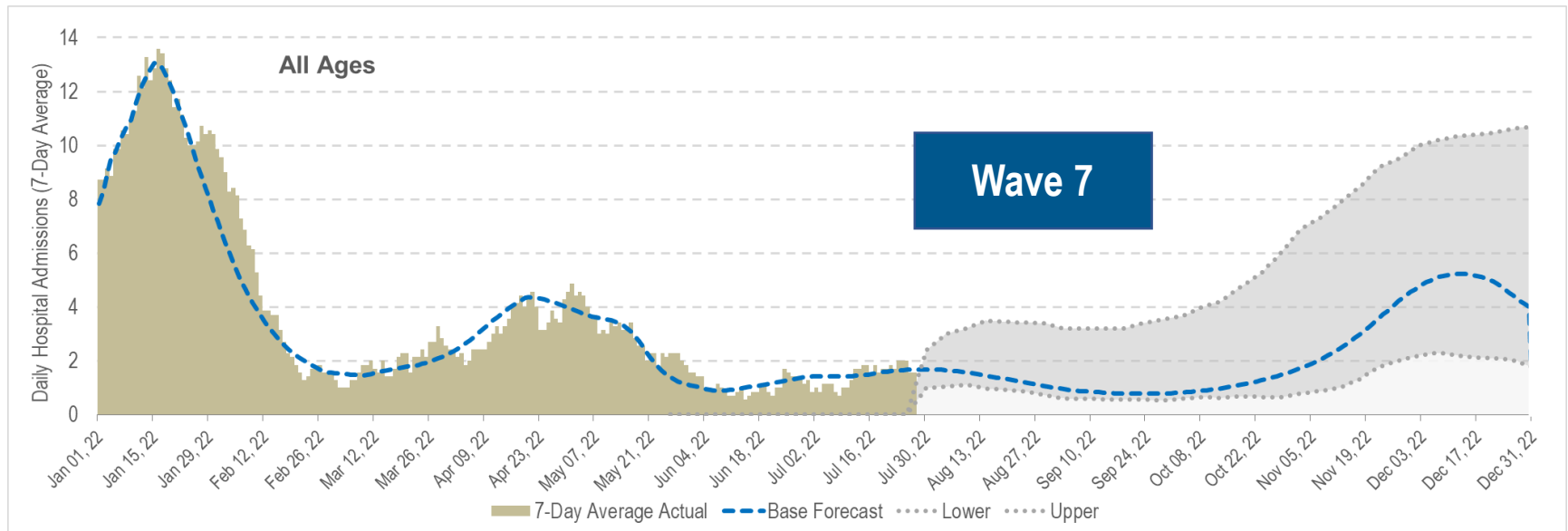
- The number of new COVID-19 hospitalizations has seen some increases since the beginning of July 2022 but has stabilized most recently.
- COVID-19 Intensive Care Unit admissions remain low and stable.

Hamilton's COVID-19 Scarsin Forecast Key Messages

- The forecast shows that Hamilton's 7th COVID-19 wave has started and is predicted to greatly increase into the fall of 2022
- In the near-term, new hospital admissions of Hamiltonians are predicted to level off, followed by an increase in the fall with a peak in the fall or early winter of 2022 as Hamiltonians move indoors and more infectious sub-variants such as BA.5 continue to circulate
- The timing and size of the 7th wave will become clearer in the coming weeks
 - The current forecast accounts for vaccination uptake due to expanded 4th dose eligibility for those 18 years and older and vaccine availability for young children aged six months to under five years.
 - The current forecast does not account for potential changes due to newer vaccines adapted for Omicron sub-variants or increased use of personal protective measures such as masking

COVID-19 Scarsin Forecast

Hospital Admissions among Hamiltonians



Data Source: Scarsin Decision Support System retrieved Aug 2, 2022

Key Messages:

- Wave 7 is predicted to increase in the fall 2022, as Hamiltonians move indoors, and more infectious sub-variants continue to circulate.
- There are different ways the wave may progress. The broad range of possibilities is shown using the upper and lower boundaries (the grey areas above and below the blue trend line).
- 323 new hospital admissions of Hamiltonians due to COVID-19 are predicted from August 10 to December 31, 2022
- Admissions by age group are predicted to be about: 29% in those 0-59, 29% in those 60-79 and 42% in those 80yrs+.

COVID-19 VACCINE UPDATE

Jordan Walker, Acting Director – Epidemiology,
Wellness, and Communicable Disease Control

COVID-19 Vaccine Program Updates

- Vaccine Coverage as of August 2, 2022
 - 3rd dose coverage among 12yrs+ population: 55.7%
 - 4th dose coverage among 18yrs+ population: 14.9%
- 6 month to under 5 years: 97 doses administered July 28-August 1, 2022
- Vaccine capacity increased in response to 4th dose eligibility expansion, and vaccine approval for 6 months to under 5 year-old population through participating primary care, pharmacies and public health clinics
- Public Health leading the planning and coordination of a fall 2022 booster campaign with support from local health care partners for administration of COVID-19 vaccine
- Return to routine school immunization

MONKEYPOX UPDATE

Jordan Walker, Acting Director – Epidemiology,
Wellness, and Communicable Disease Control

Monkeypox Situation Update



Total of **10 cases** in the City of Hamilton:

- 6 cases active
- 4 cases resolved
- 0 case fatalities

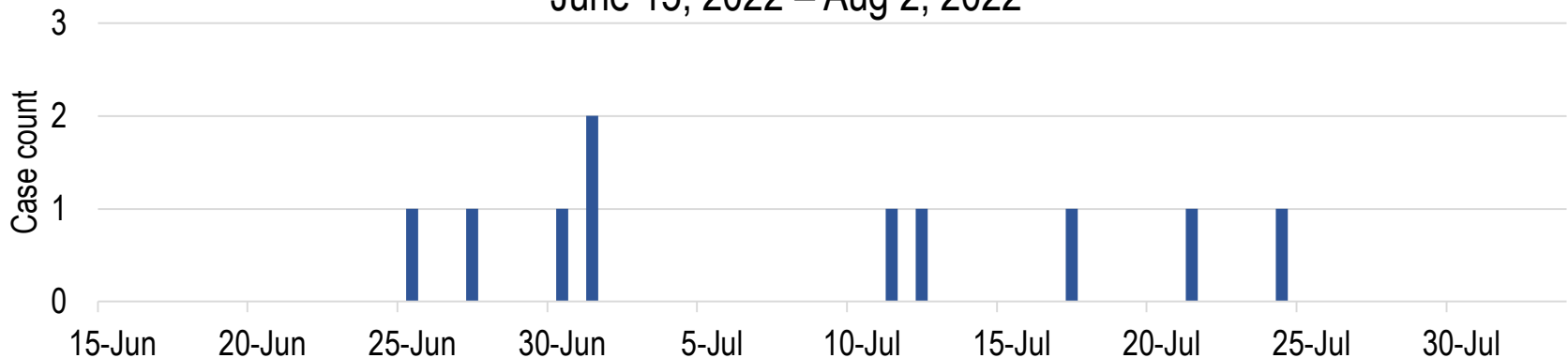


100% male

Average age: **36** years

Most common **risk factors** reported: Multiple sex contacts in the last 6 months, sex with the same sex, new sex contact in the last 2 months, and anonymous sex

Number of monkeypox cases by episode date in the City of Hamilton,
June 15, 2022 – Aug 2, 2022



Monkeypox Vaccination Update

- Monkeypox vaccination is being used for Pre-Exposure Prophylaxis (PrEP) and Post-Exposure Prophylaxis (PEP).
- Hamilton Public Health Services continues to operate a weekly PrEP clinic on Thursdays at Lime Ridge Mall for eligible populations.
- Clinics are promoted through community service providers and through internal Public Health Services teams working with eligible populations.
- As of August 3, 2022:
 - 11 PEP doses have been provided to high and intermediate-risk close contacts
 - 199 PrEP doses have been provided to persons identified as being at increased risk of exposure

Key Messages

- The 7th wave of COVID-19 is underway, and Hamiltonians are recommended to take protective measures to reduce serious health consequences from COVID-19 infections:
 - Get vaccinated with all recommended doses and stay up-to-date with your vaccines
 - Wear a mask when indoors and/or when unable to distance
 - Stay home if you have COVID-19 symptoms
 - Speak to your healthcare provider, know in advance if you're eligible for treatment and where to access
- Monkeypox risk to the general public in Hamilton remains very low
 - Public Health Services website has information on Pre-Exposure Prophylaxis (PrEP) eligibility and booking for the weekly PrEP clinics
- At the September 2022 meeting, the plan provided will be in a combined COVID-19 and respiratory season update



Hamilton

QUESTIONS?