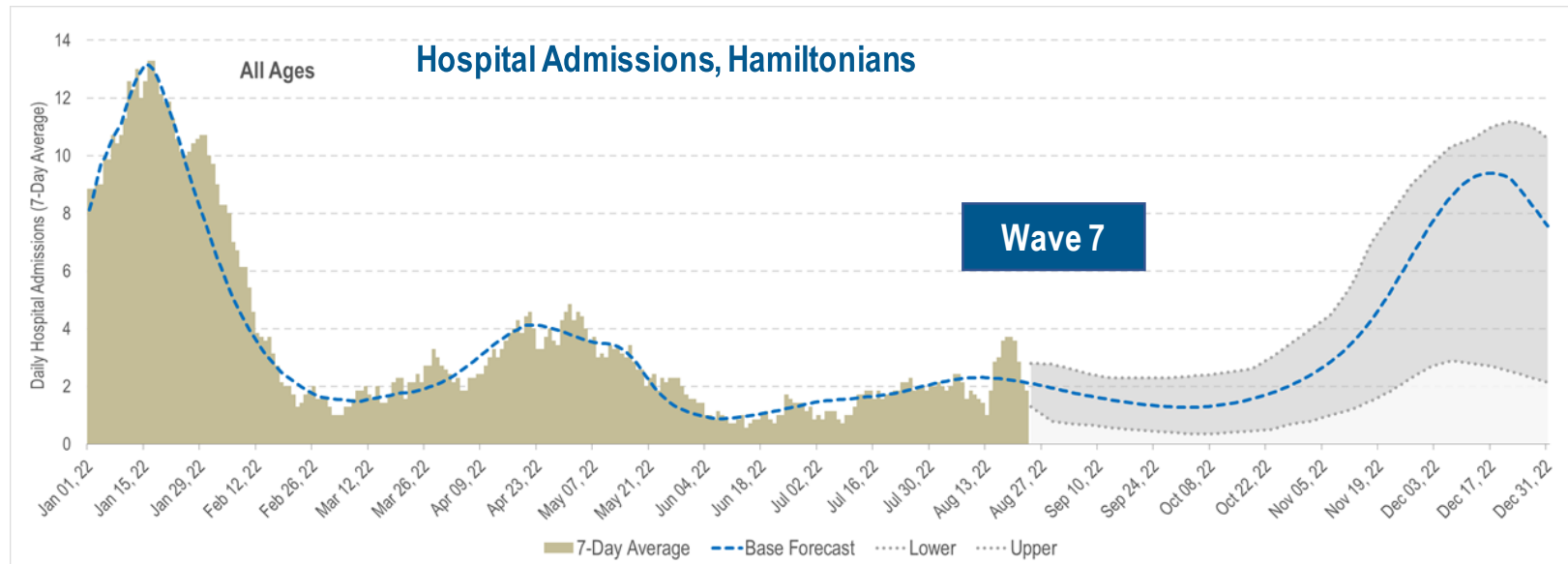


# Scarsin COVID-19 Forecasting Update for Hamilton

## Scarsin COVID-19 Forecasting Update – Hamilton September 19, 2022 to December 31, 2022

### Key Messages:

- The forecast from September 19 to December 31, 2022, continues to predict that Hamilton's current 7th COVID-19 wave is likely to increase in the fall and peak in December.
- In the near-term, new hospital admissions of Hamiltonians, including intensive care admissions, are predicted to decrease, followed by an increase in the fall and early winter as Hamiltonians move indoors and more infectious BA.5 sub-variant continues to circulate.
- About 553 new hospital admissions of Hamiltonians are predicted from September 19 to December 31, 2022.
- Hospital admissions by age group are predicted to be about: 20% in those 0-59, 58% in those 60-79 and 22% in those 80 years and older.



### Technical Notes:

- Hamilton's COVID-19 forecast from September 19 to December 2022 was updated to include case, hospital, death, vaccination, and workplace mobility data updated as of Friday, Sep 9, 2022. The current forecast accounts for vaccination uptake due to expanded 4<sup>th</sup> dose eligibility for those 18 and older and vaccine availability for young children aged six months to under five years. It also includes the increased variant mix of the more transmissible BA.5 Omicron sub-variant, and a decrease in the length of time Hamiltonians are protected from infection through vaccination or infection immunity to 100 days.
- 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). This forecast does not yet account for the impact on the timing and size of the wave of the fall roll out of newer vaccines adapted for the Omicron variant and the anticipated increase in vaccination levels.