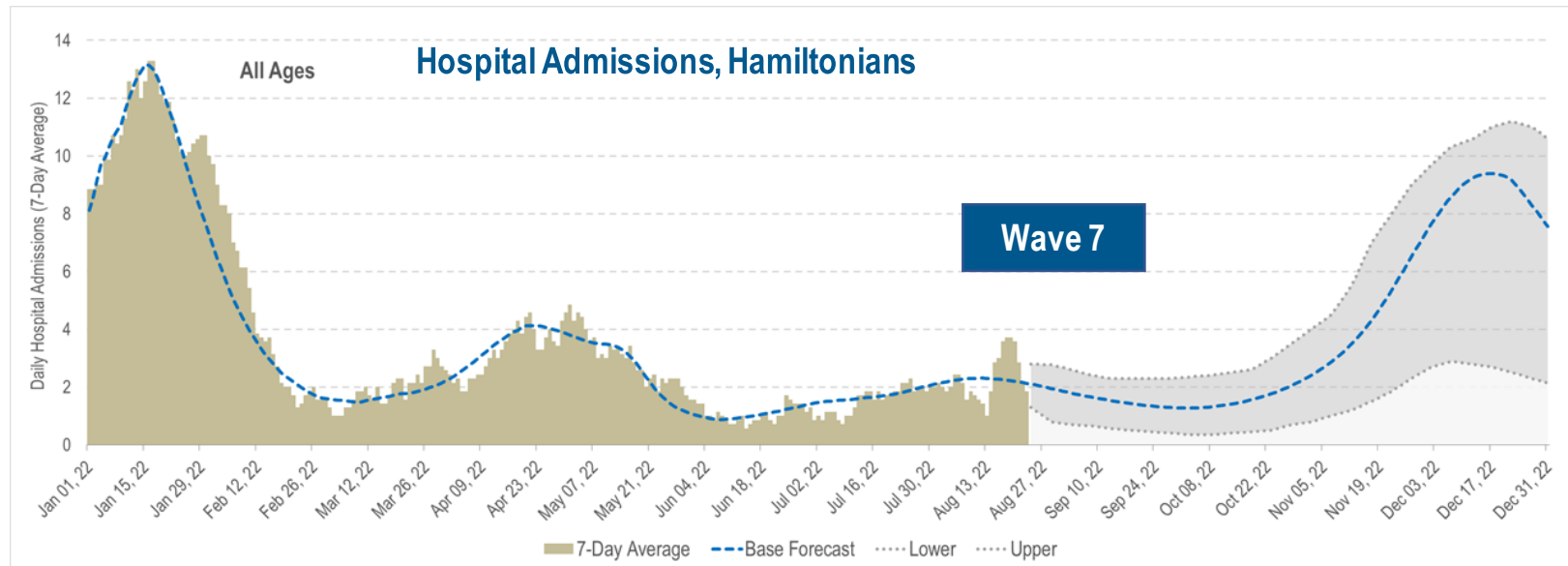


# Scarsin COVID-19 Forecasting Update for Hamilton

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

### Key Messages:

- The forecast from August 31 to December 31, 2022, continues to predict that Hamilton's current 7<sup>th</sup> COVID-19 wave is likely to greatly increase in the fall.
- In the near-term, new hospital admissions of Hamiltonians including intensive care admissions are predicted to level off and 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.
- Since the last public posting, predicted hospital admissions have increased as vaccination uptake has been lower than previously assumed. About 495 new hospital admissions of Hamiltonians are predicted from August 31 to December 31, 2022
- Hospital admissions by age group are predicted to be about: 24% in those 0-59, 50% in those 60-79 and 26% in those 80 years and older.



### Technical Notes:

- Hamilton's COVID-19 forecast from August 31 to December 2022 was updated to include case, hospital, death, vaccination, and workplace mobility data updated as of Friday, Aug 26, 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). The timing and size of the 7<sup>th</sup> wave will become clearer in the coming weeks. This forecast does not account for anticipated fall roll out of newer vaccines adapted for the Omicron variant and the potential increase in vaccination levels.