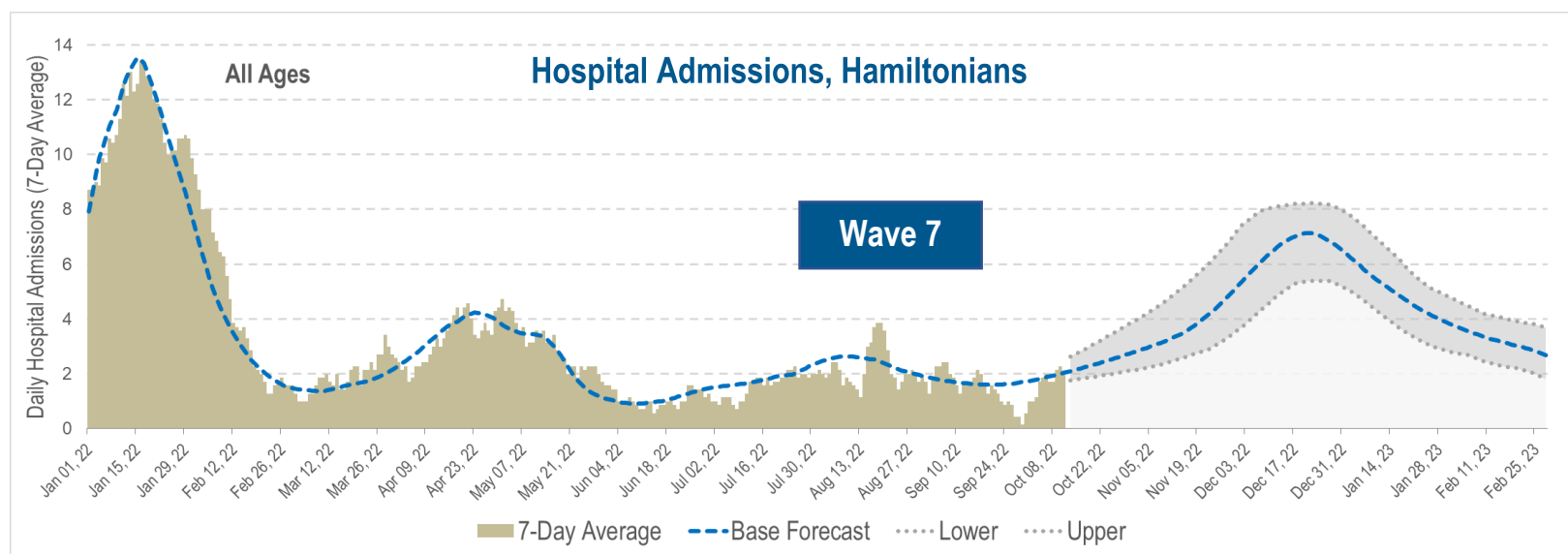


Scarsin COVID-19 Forecasting Update for Hamilton

Scarsin COVID-19 Forecasting Update – Hamilton October 19, 2022 to February 28, 2023

Key Messages:

- The COVID-19 forecast from October 19, 2022, to February 28, 2023, continues to predict that Hamilton's current 7th wave will increase, with hospital admissions of Hamiltonians predicted to markedly increase in November, peak in mid-to-late December, and decline through to February 2023, while remaining above current levels.
- This forecast now includes the fall roll out of bivalent vaccines to those aged 12 and older, adapted for BA.4 and BA.5 Omicron subvariants. The anticipated uptake of the bivalent vaccine results in an overall reduction in hospital admissions among the older age groups where the uptake is anticipated to be greatest.
- About 591 new hospital admissions of Hamiltonians are predicted from October 19, 2022, to February 28, 2023.
- Hospital admissions by age group are predicted to be about 5% in those 0-19, 21% in those 20-59, 45% in those 60-79 and 29% in those 80 years and older.



Data Source: Scarsin Decision Support System retrieved Oct 18, 2022

Technical Notes:

- Hamilton's COVID-19 forecast from October 19, 2022, to February 28, 2023 was updated to include case, hospital, death, vaccination, and workplace mobility data as of Friday, October 14, 2022. The current forecast accounts for current and anticipated vaccination, including the roll out of bivalent vaccines to those 12 and older adapted for the BA.4 and BA.5 Omicron subvariants. It also includes the increased variant mix of the more transmissible BA.5 Omicron sub-variant but assumes no new, more evasive COVID-19 subvariants. It accommodates a decrease in the length of time Hamiltonians are protected from infection through vaccination or infection immunity to 100 days. Masking is set at 15% in all settings through to March 1, 2023.
- There are different ways the wave may progress. The range of possibilities is shown using the upper and lower boundaries (the grey areas above and below the blue trend line).