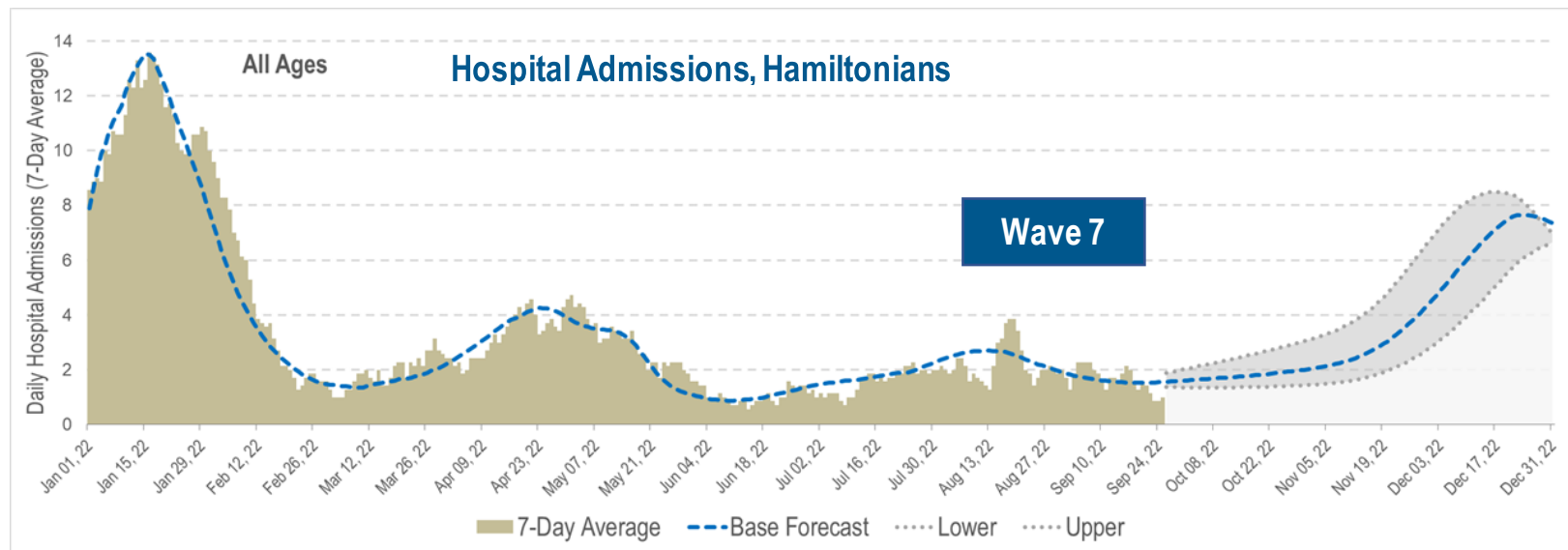


Scarsin COVID-19 Forecasting Update for Hamilton

Scarsin COVID-19 Forecasting Update – Hamilton October 5, 2022 to December 31, 2022

Key Messages:

- The forecast from October 5 to December 31, 2022, continues to predict that Hamilton's current 7th COVID-19 wave will increase, with hospital admissions of Hamiltonians predicted to remain steady through October but markedly increasing in November and peaking in mid-to-late December.
- The current forecast now includes the fall roll out of Moderna's bivalent vaccine adapted for the BA.1 Omicron variant. The anticipated uptake of the bivalent vaccine results in an overall reduction in hospital admissions compared with previous forecasts particularly among the older age groups where the uptake is anticipated to be greatest. The timing of the peak is now forecast to occur later, likely in the second half of December 2022.
- About 340 new hospital admissions of Hamiltonians are predicted from October 5 to December 31, 2022.
- Hospital admissions by age group are predicted to be about 5% in those 0-19, 21% in those 20-59, 40% in those 60-79 and 34% in those 80 years and older.



Data Source: Scarsin Decision Support System retrieved Oct 3, 2022

Technical Notes:

- Hamilton's COVID-19 forecast from October 5 to December 2022 was updated to include case, hospital, death, vaccination, and workplace mobility data updated as of Friday, September 30, 2022. The current forecast accounts for the current anticipated vaccination including the roll out of Moderna's bivalent vaccine adapted for the BA.1 Omicron variant. 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. Masking is set at 15% in all settings.
- 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).