

SARS-CoV-2 (COVID-19) report 2021

Coronaviruses are a large family of viruses known to cause respiratory infections. These can range from the common cold to more serious diseases such as Severe Acute Respiratory Syndrome (SARS) and Middle East Respiratory Syndrome (MERS) and now SARS-CoV-2 (COVID-19) causing a global pandemic.

This report outlines testing at Sullivan Nicolaides Pathology by week for the new coronavirus SARS-CoV-2 causing the disease COVID-19. Testing commenced 19th February 2020.

Figure 1: Number of positive and negative SARS-CoV-2 tests by week for 2020 including % positivity.

Figure 2: Detection of other respiratory viruses by week for 2020 on all SARS-CoV-2 requests.

Figure 3a: Percent Positivity FluA, FluB, RSV, SARS-CoV-2 (COVID-19) viruses by week for 2020.

Figure 3b: Percent Positivity HMPV, Rhino, Para Parainfluenza (combined 1,2,3,4), Adeno viruses by week for 2020 (Parainfluenza numbers include Parainfluenza 1,2,3,4 and a combined Parainfluenza test number depending on the molecular assay utilised. Enterovirus is no longer included as not all samples are tested for Enterovirus).

Figure 4: Age Group and Sex distribution of all SARS-CoV-2 and % positivity by age group.

Figure 5: Positive Coronavirus (SNP) by Age Group and Sex for 2020.

Figure 6: Co-pathogen detection.

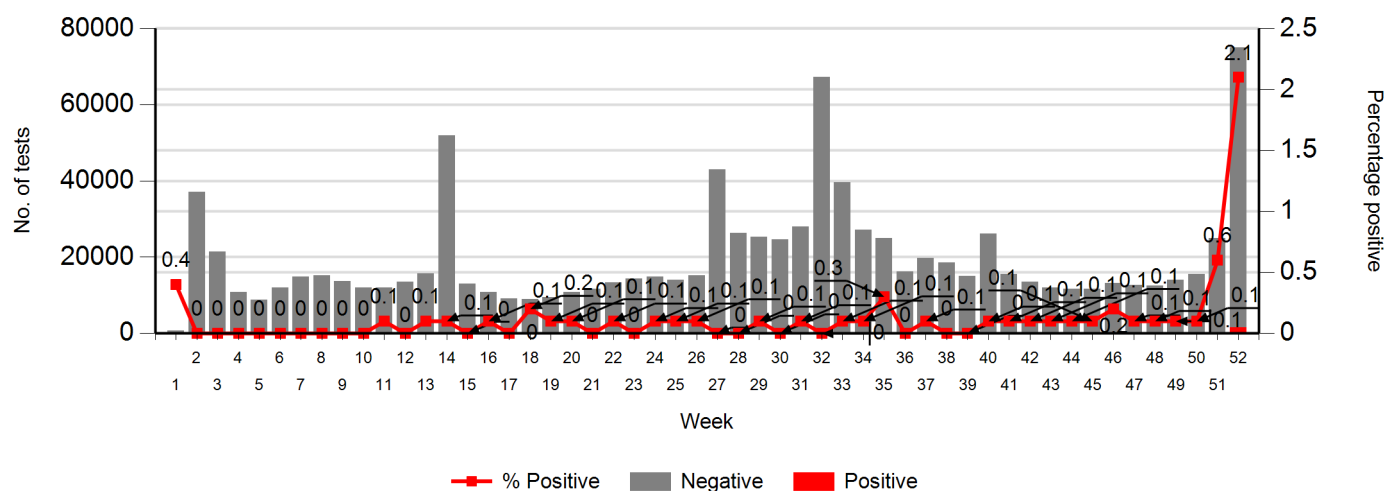
Figure 7: Positive SARS-CoV-2 patients by state.

Figure 8: Origin of all patient specimens by state.

Figure 9: Positive SARS-CoV-2 by Patient type, Community, RACF, Hospital.

Figure 10: All SARS-CoV-2 by Patient type, Community, RACF, Hospital.

Figure1. Number of positive and negative SARS-CoV-2 tests by week for 2021 including % positivity
 Total Tests: 1019581; Total Patient: 737028*; Total Tests Positive: 2331; Total Patients Positive: 2133; Total Tests Negative: 1017250



* The discrepancy in Total Patient counts (Figure 1 and Figure 4) occurs as no sex has been assigned to some patients.

Figure 2. Detection of other respiratory viruses by week for 2021 on all SARS-CoV-2 requests

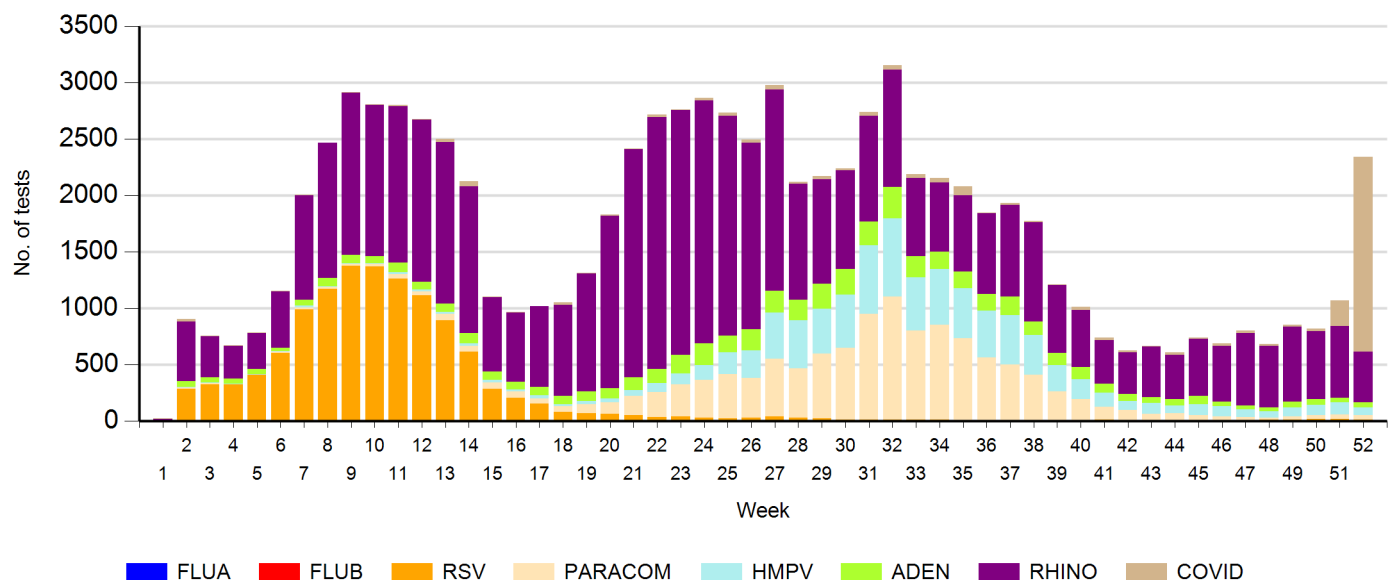


Figure 3a. % Positivity FluA, FluB, RSV, SARS-CoV-2 (COVID-19) viruses by week for 2021

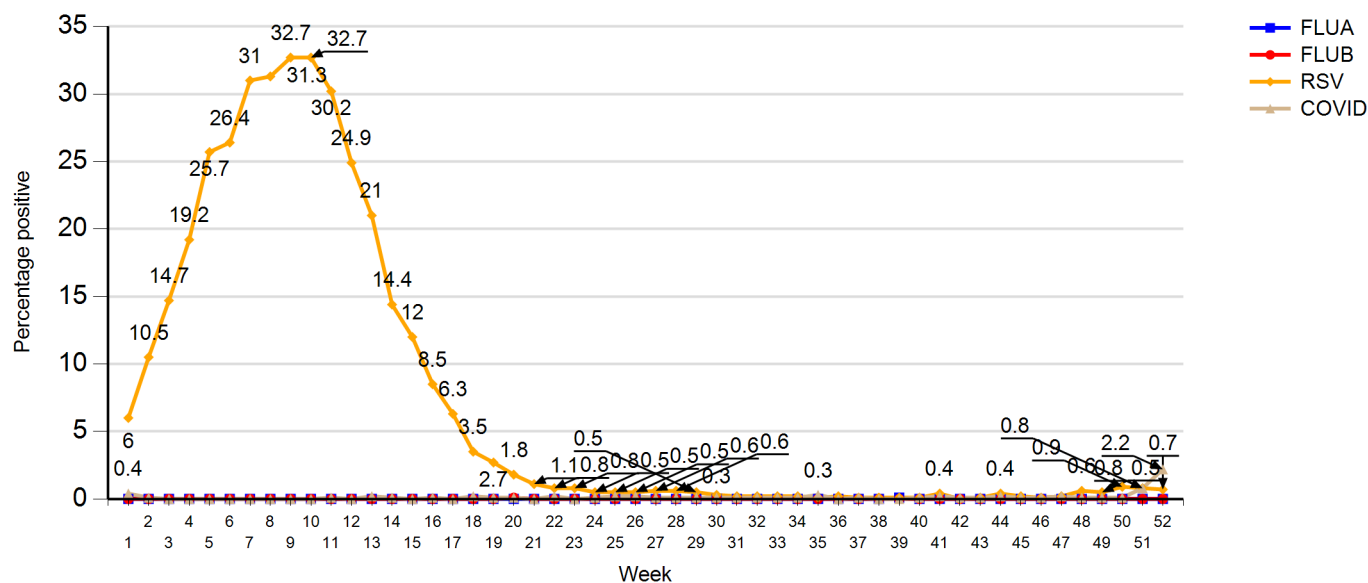


Figure 3b. % Positivity HMPV, Rhino, Parainfluenza (combined,1,2,3,4), Adeno viruses by week for 2021

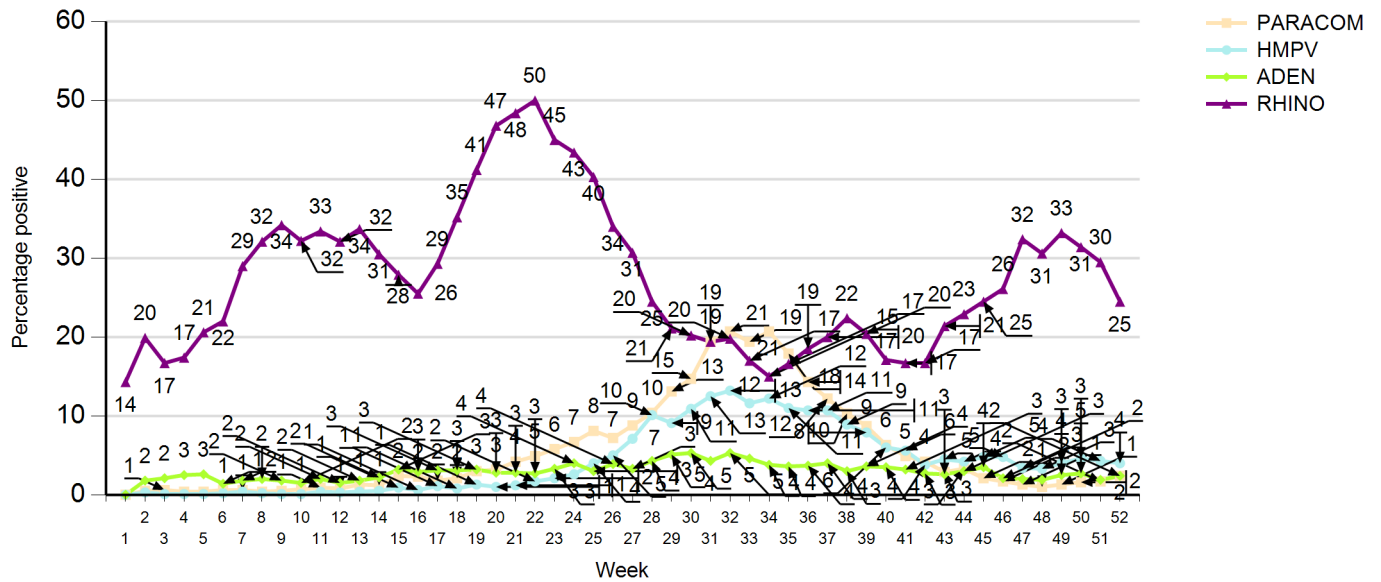
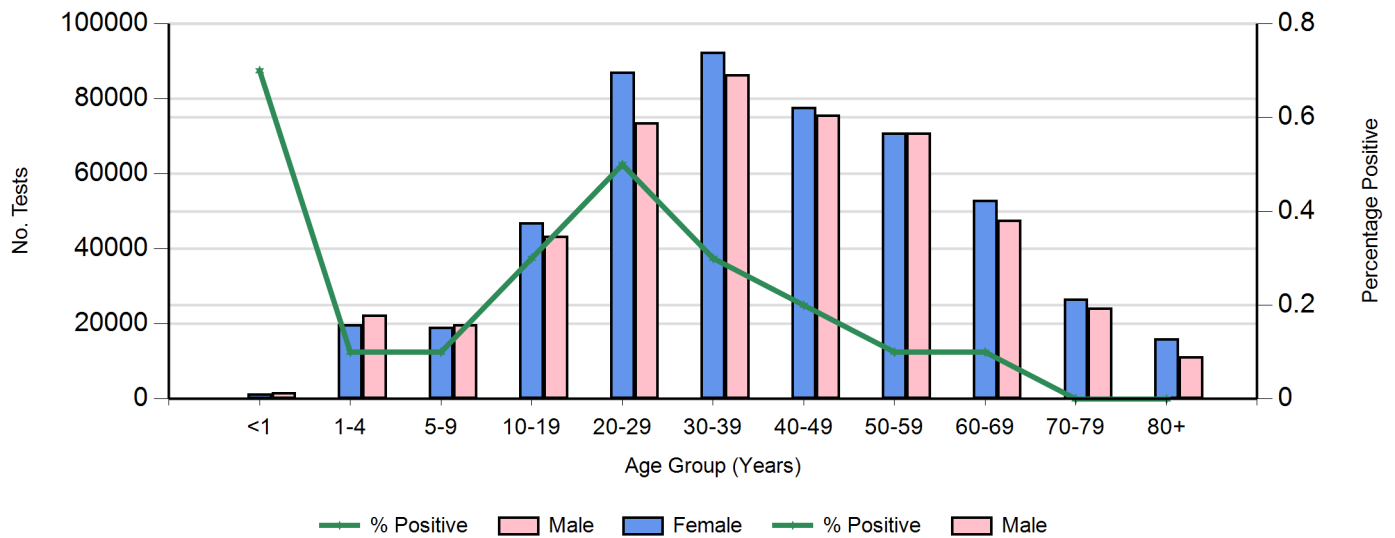


Figure 4. By Age and Sex Distribution, Total Tests: 992107; Total Patients: 715504* for 2021



* The discrepancy in Total Patient counts (Figure 1 and Figure 4) occurs as no sex has been assigned to some patients.

Figure 5. Positive Coronavirus (SNP) by Age Group and Sex, Total Patients Positive for COVID-19: 2045* for 2021

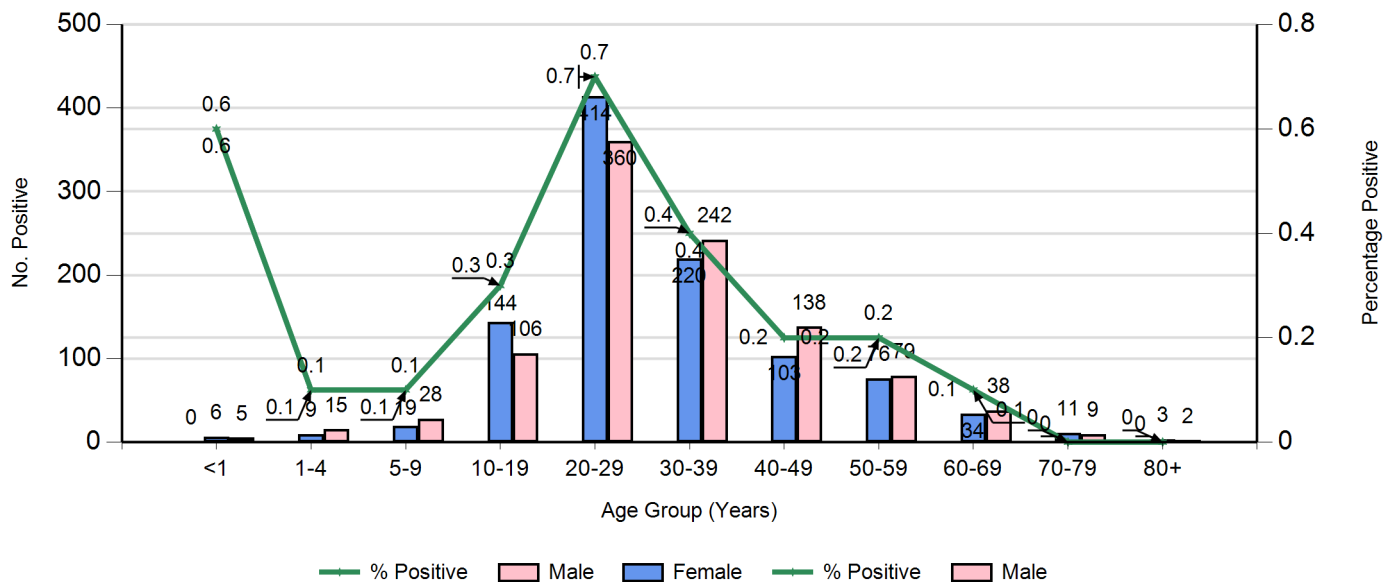


Figure 6: Co-pathogen detection - 2021	
Total number of Episodes positive (one or more)	2134
1 x pathogen total	2133
COVID	2132
, HMPV	1
2 x pathogen total	1
COVID, FLUB	1

Figure 7: Positive SARS-CoV-2 patients by state for 2021

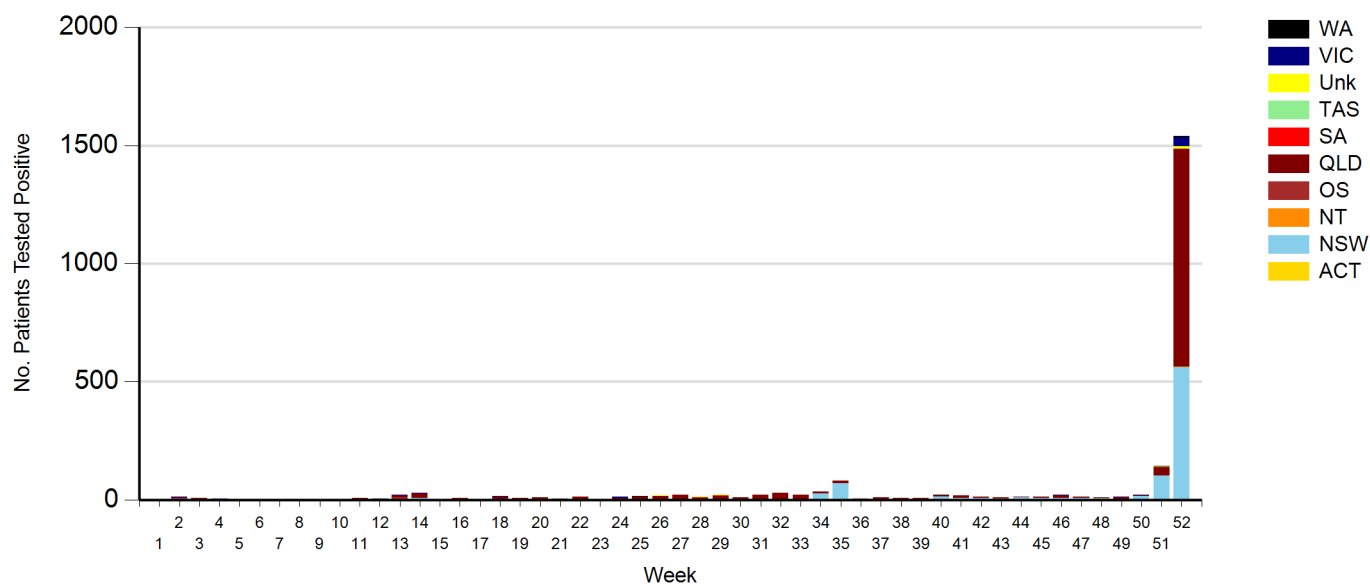


Figure 8: Origin of all patient specimens by state for 2021

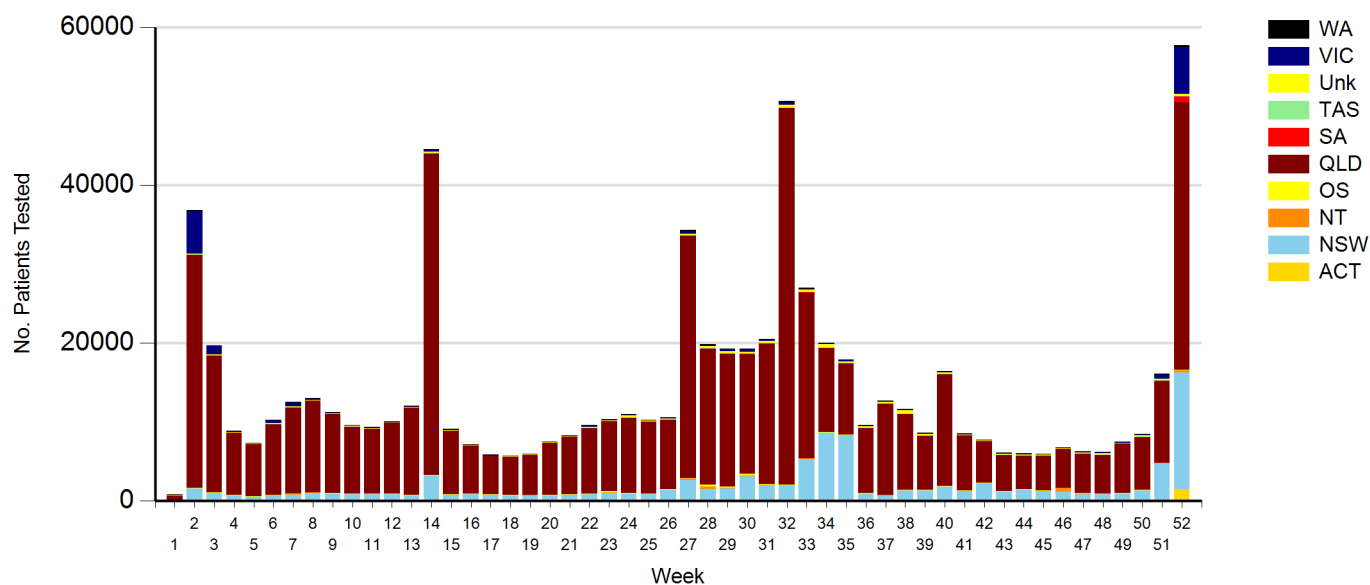
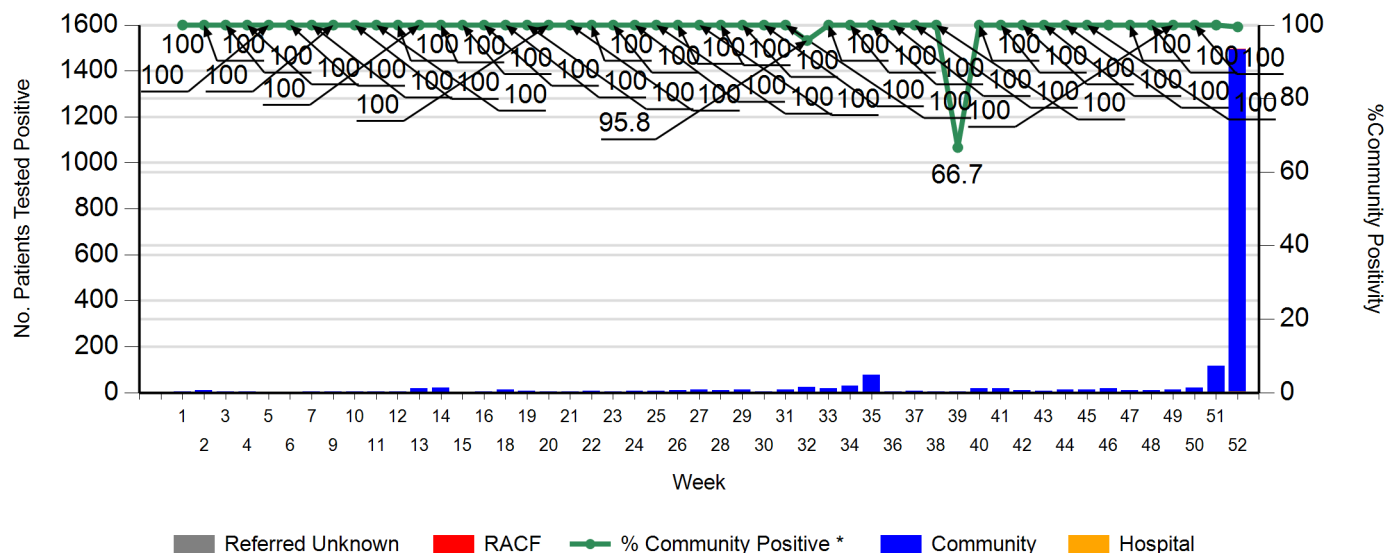
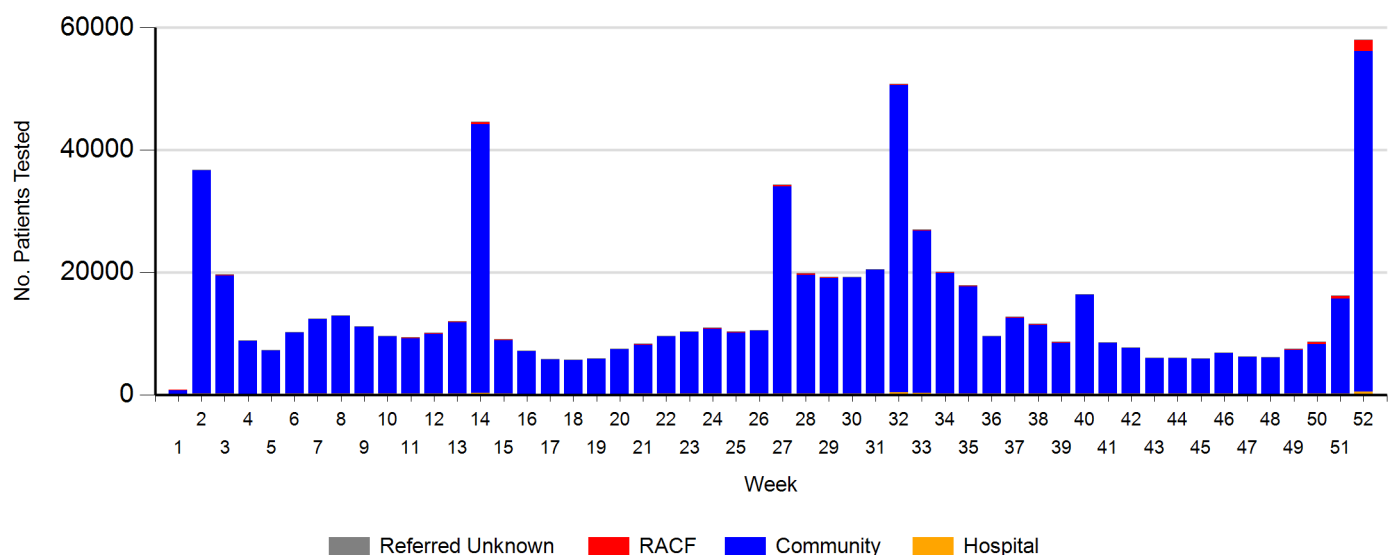


Figure 9: Positive SARS-CoV-2 by Patient type: Community, Residential Aged Care Facility (RACF), Hospital, Referred Unknown for 2021



* Percentage Community positivity by Patient Type (Referral unknown excluded)

Figure 10: All SARS-CoV-2 by Patient type: Community, Residential Aged Care Facility (RACF), Hospital, Referred Unknown for 2021



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