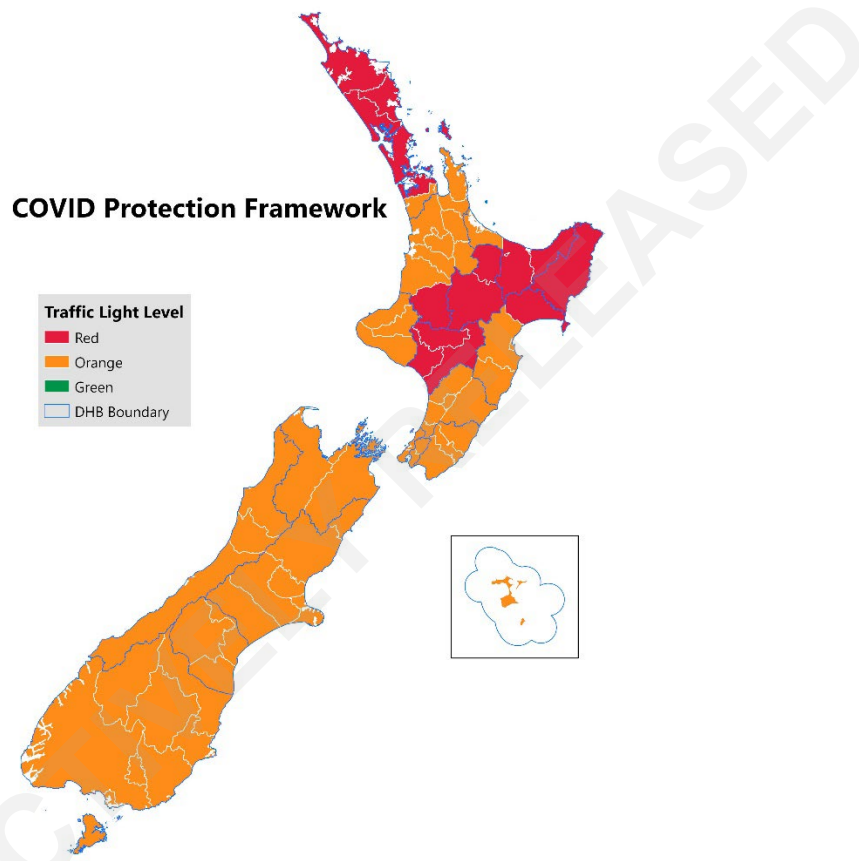


Trends and Insights Report

For the week ending Sunday 5 December 2021 – Updated 10 December 2021

Current State of Aotearoa



Contents

Trends and Insights Report	1
Current State of Aotearoa.....	1
Snapshot of the past 7 days.....	2
Demographic Trends.....	2
Epidemiological Curves	4
Hospitalisations.....	13

Snapshot of the past 7 days

- Most cases reported in the past week (83 percent) were reported in Auckland Metro, of which half were reported in Counties Manukau DHB.
- The majority (85 percent) of cases reported in the past week have been 45 and under and have been evenly distributed across the age bands 0 – 12, 13 – 25 and 26 – 45.
- Māori represent the majority (52 percent) of cases reported this week than any other ethnicity.
- The number of cases reported this week (829) is 32% lower than the number of cases reported in the previous week.
- A marked decrease in cases reported in the past few weeks is noted in those aged 0 – 12 and 26 – 45.
- A clear correlation can be seen between a higher number of cases reported in areas which are have a higher deprivation score.
- The proportion of cases hospitalised by age band is highest in age bands 46 – 65 with 77 percent of cases reported requiring hospital level care and 66+ where 88 percent of cases reported requiring hospital level care.
- The majority (65 percent) of cases were not vaccinated at the time of reporting and only a small proportion (11%) of hospitalised cases had received two doses more than 7 days prior to being reported as a case.

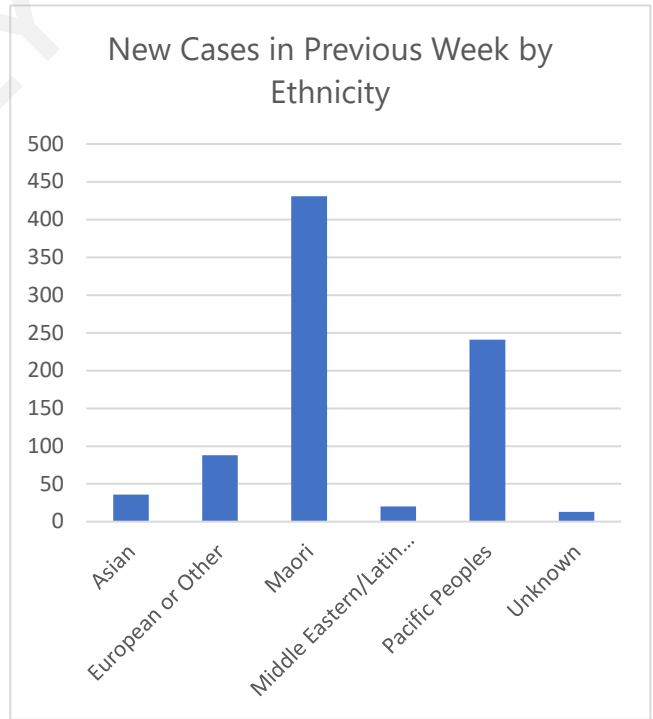
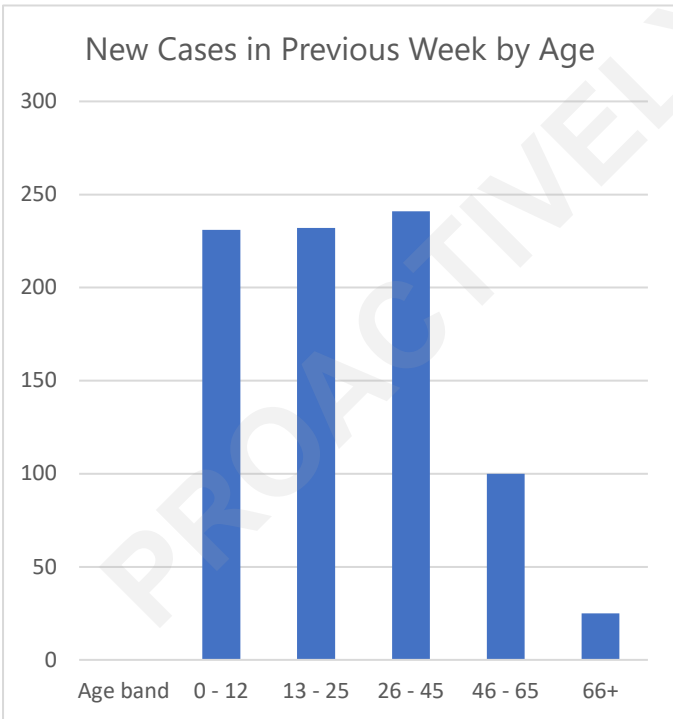
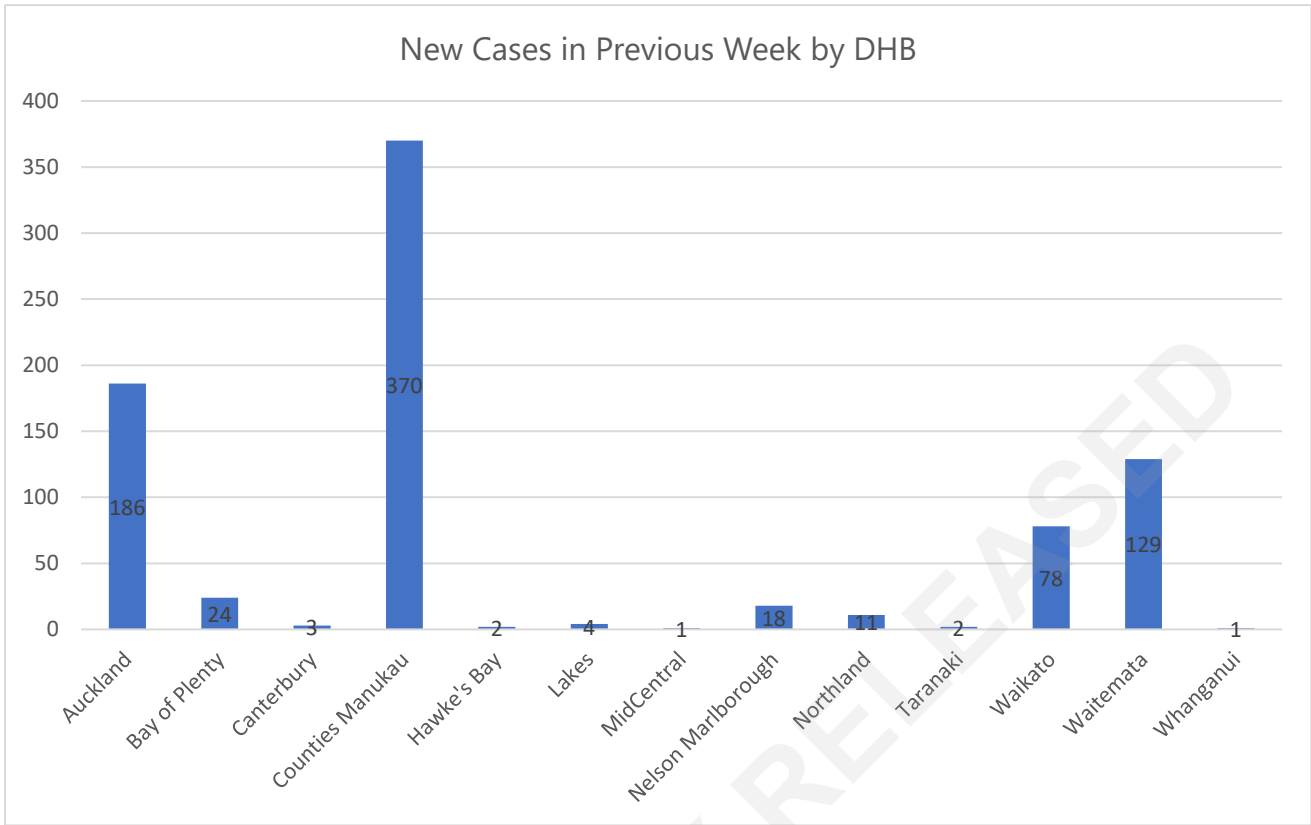
Demographic Trends

The below figures show the new 829 cases reported in the previous week between Monday 29 November and Sunday 5 December by DHB, age band and ethnicity. This is a decrease of 386 cases from the week prior. Though we have seen a drop in case numbers the overall demographic trends have remained consistent to the week prior.

Of the new cases reported in the past week, most (83 percent) were reported in Auckland Metro, of which half were reported in Counties Manukau DHB. Cases reported by Auckland and Waitemata DHB were higher than those DHBs outside of Auckland, however, were lower than those in Counties Manukau. This could be linked to a higher test positivity rate in Counties Manukau compared to the other Auckland Metro DHBs, as well as the slightly lower vaccination rate, for both first and second dose, in Counties Manukau DHB.

The ages of cases reported in the past week continues to follow the current demographic trend. In the past week the majority (85 percent) of cases reported have been 45 and under and have been evenly distributed across the age bands 0 – 12, 13 – 25 and 26 – 45. Cases 66+ represented only 3 percent of cases reported in the past week.

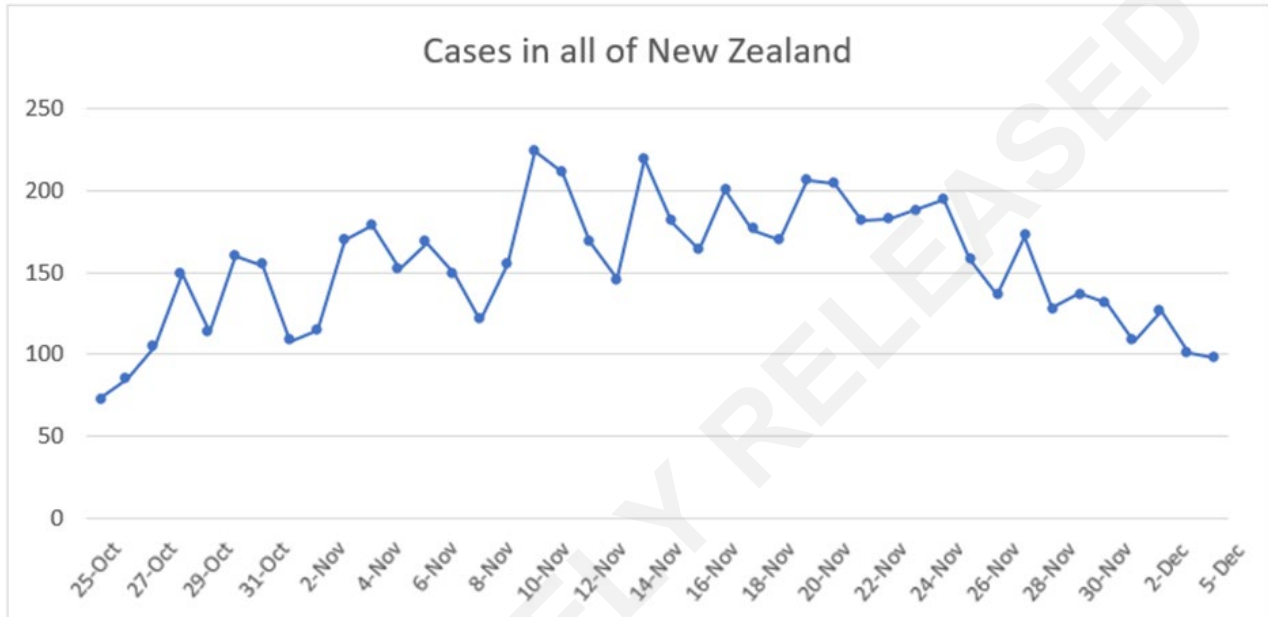
Though national case numbers for Māori have decreased in the past week there are still more cases reported in Māori (52 percent of all cases) than any other ethnicity. Cases reported in Pacific Peoples have also seen a significant increase, however, this is still under half that of Māori cases.



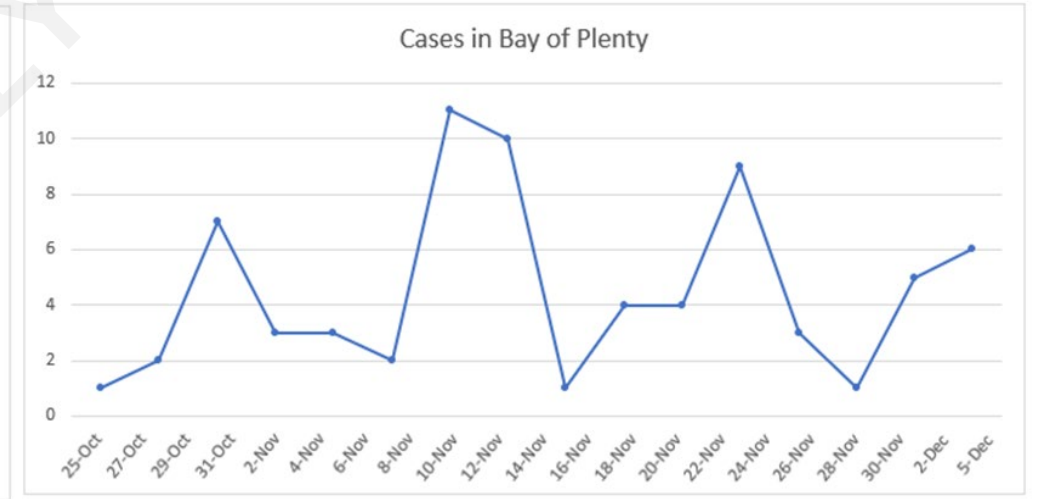
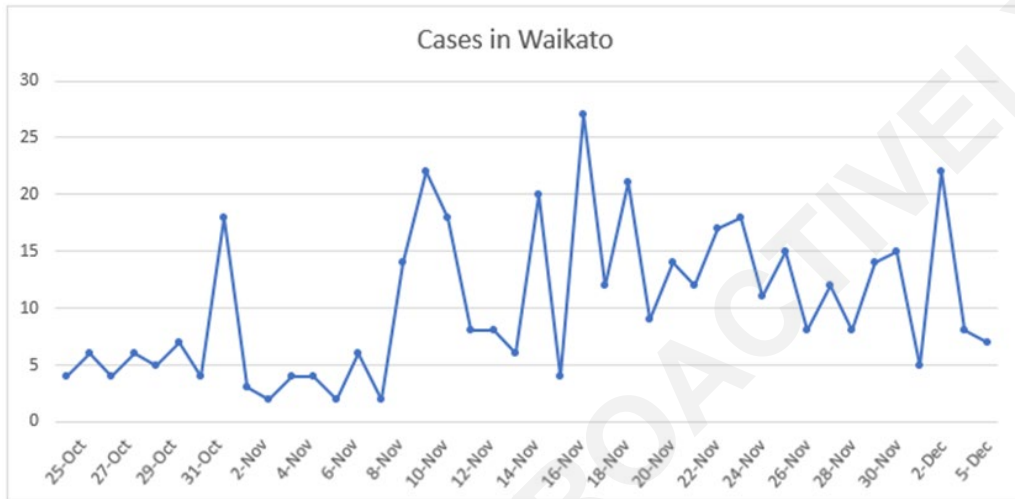
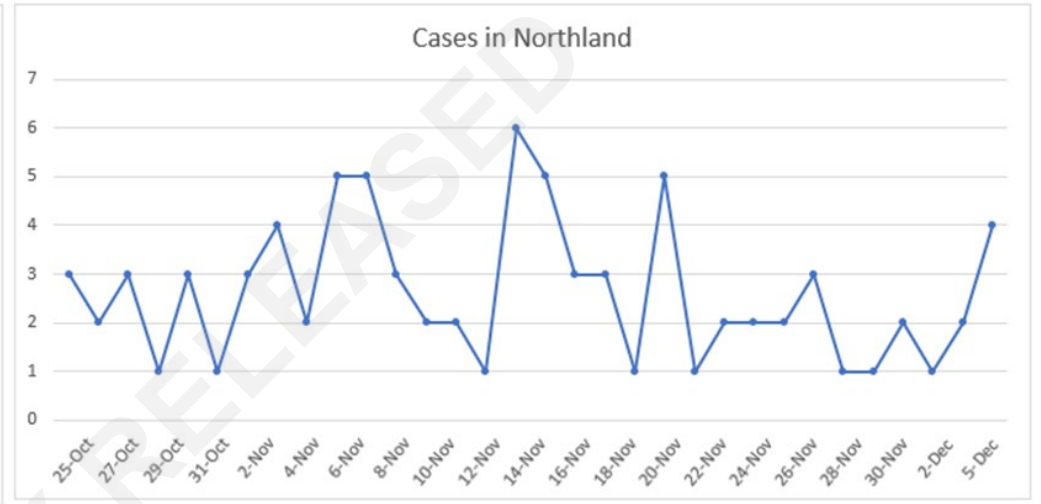
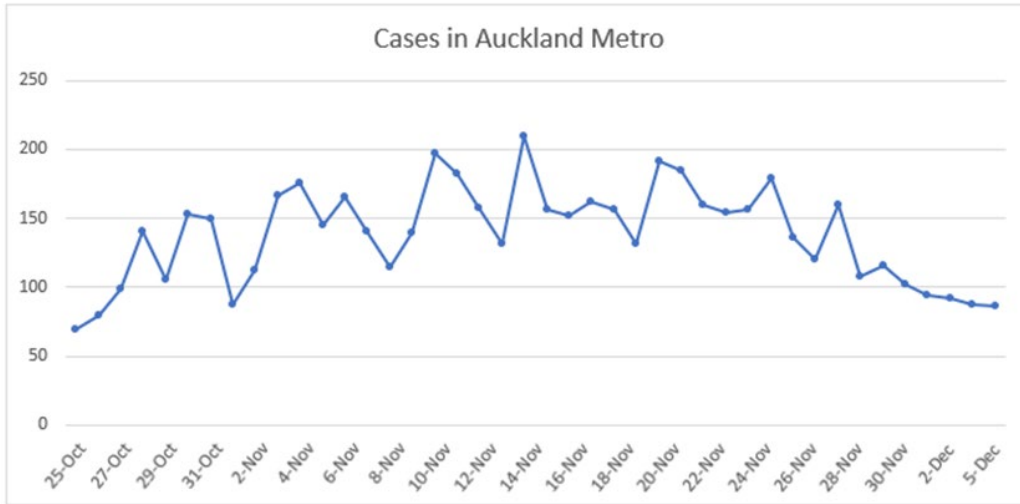
Epidemiological Curves

The figures below show the number of new cases reported in the previous six weeks from Monday 25 October to Sunday 5 December.

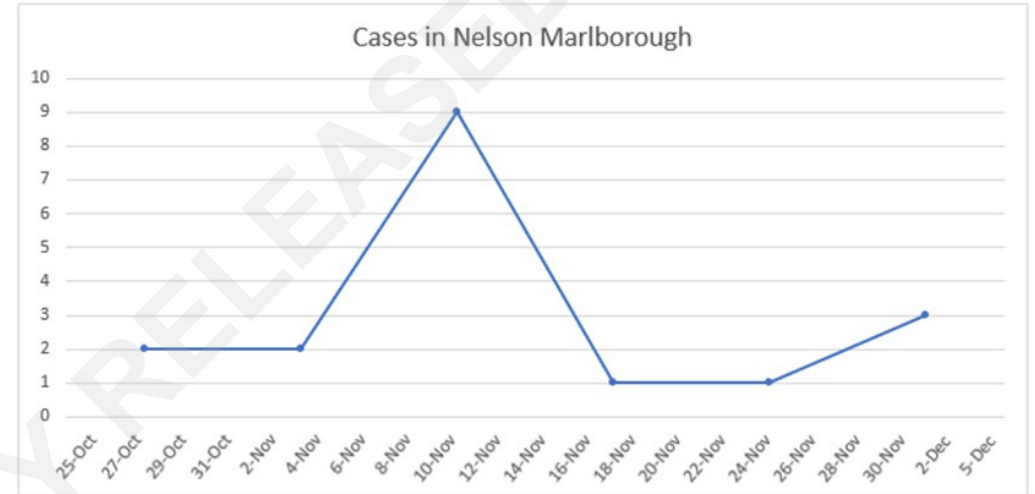
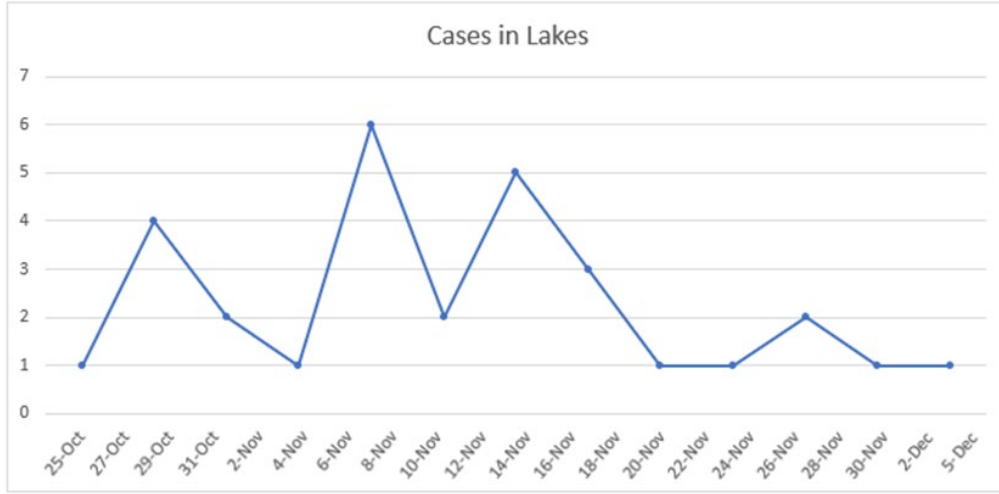
The number of cases this week (829) is lower than the number of cases that were reported in the previous week (1,215) by 32%. This supports a downward curve which was noted as the beginning of a plateau in the epidemiological curve last week. Case numbers are declining in Auckland Metro and are relatively stable in all other regions.



COVID-19



COVID-19

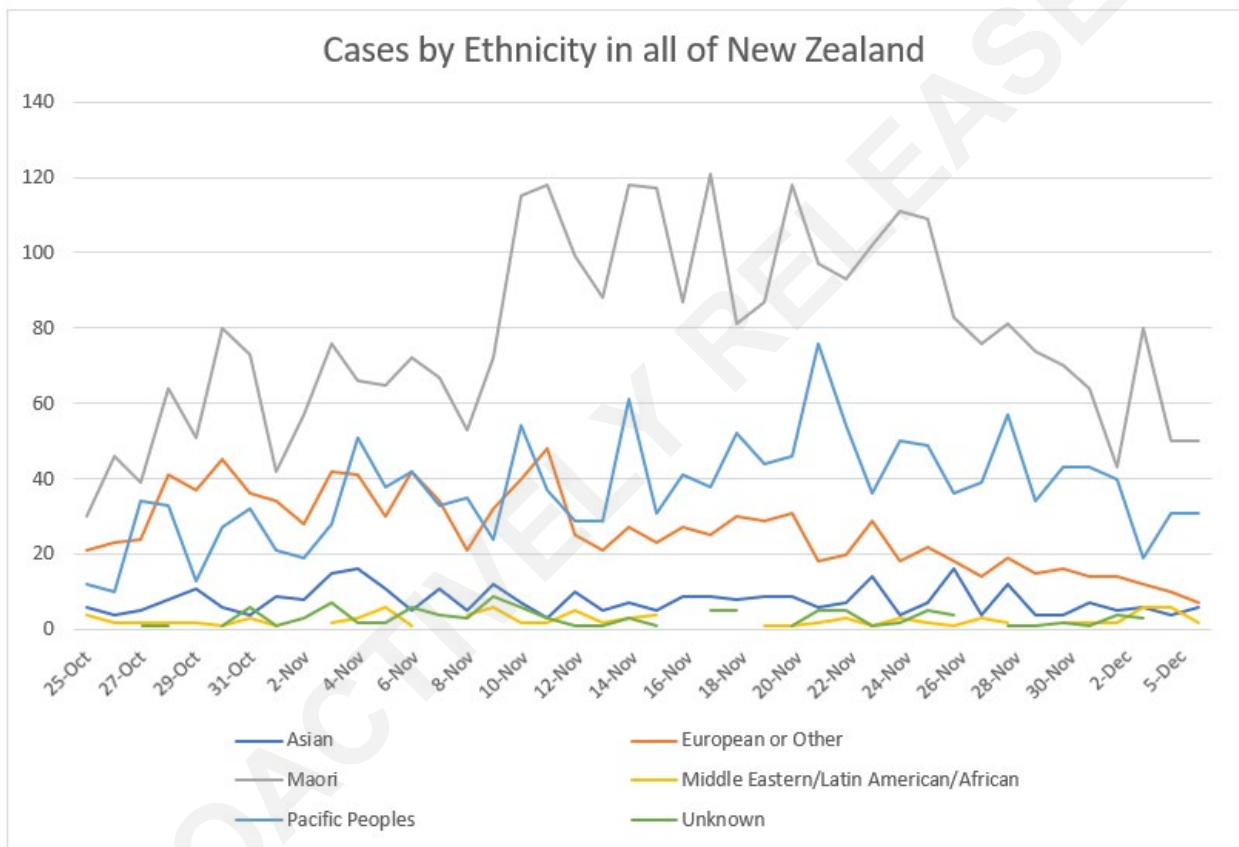


PROACTIVELY RELEASED

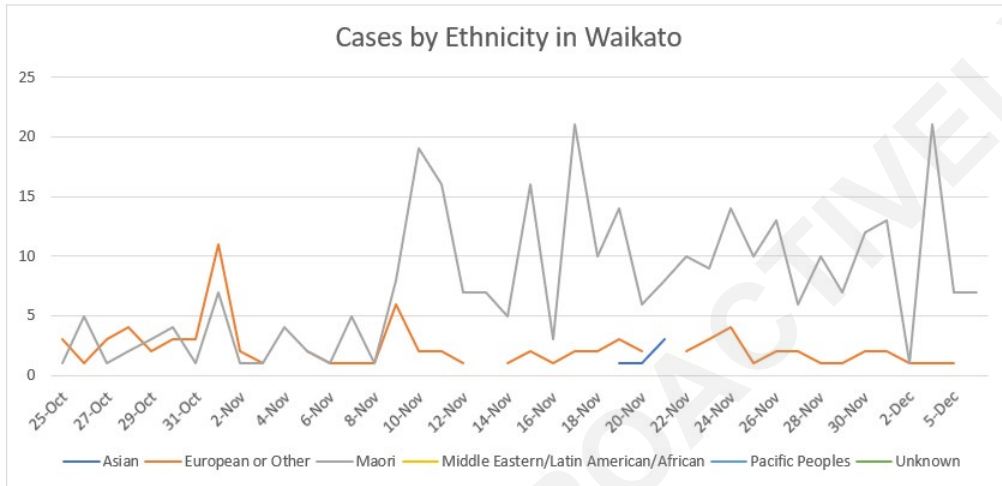
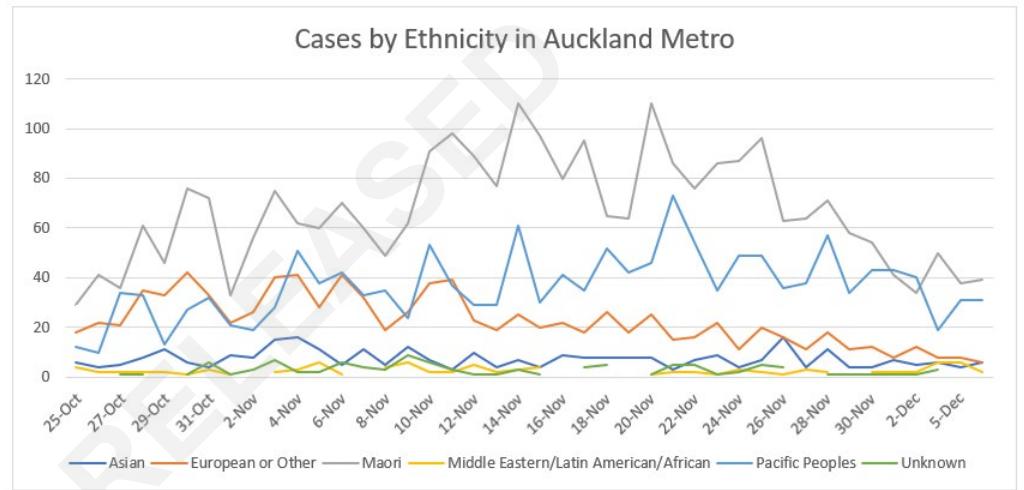
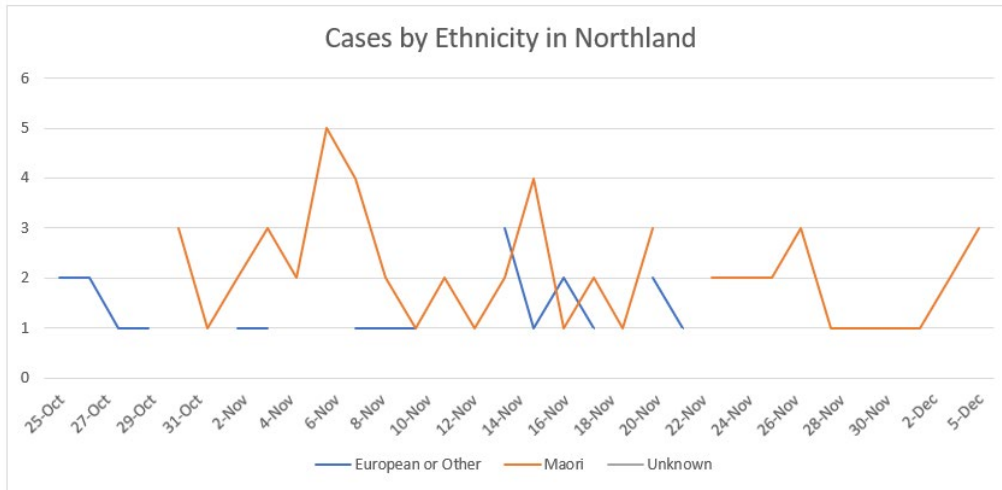
Cases by Ethnicity

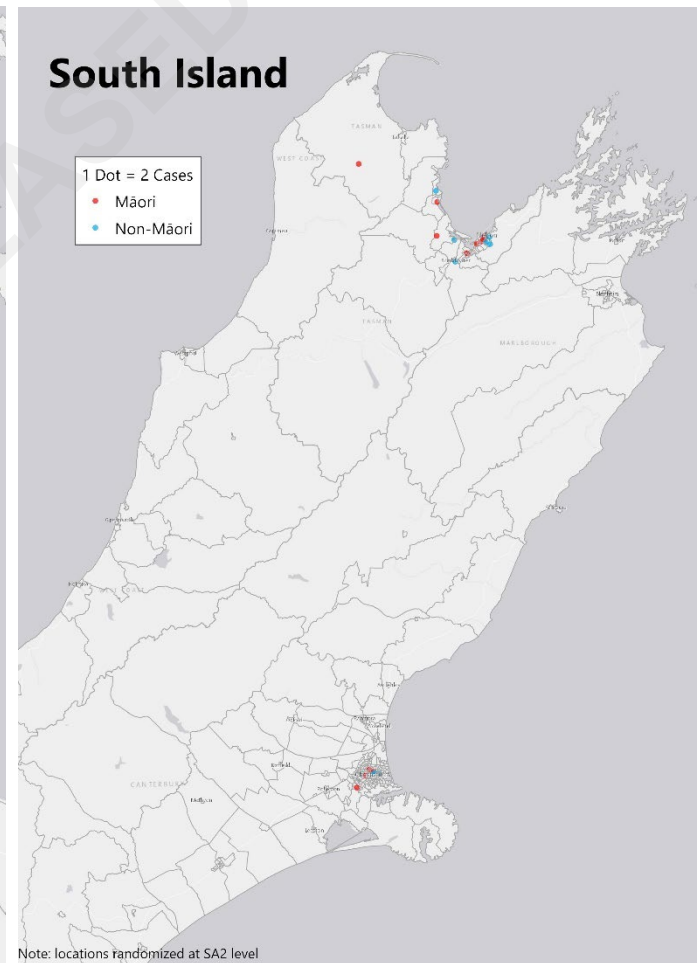
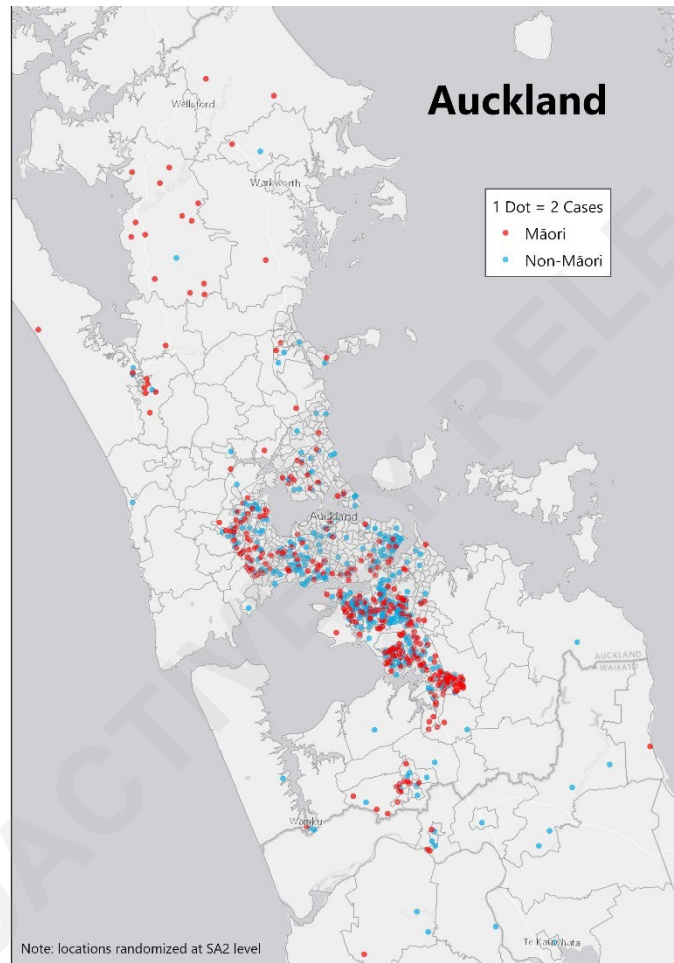
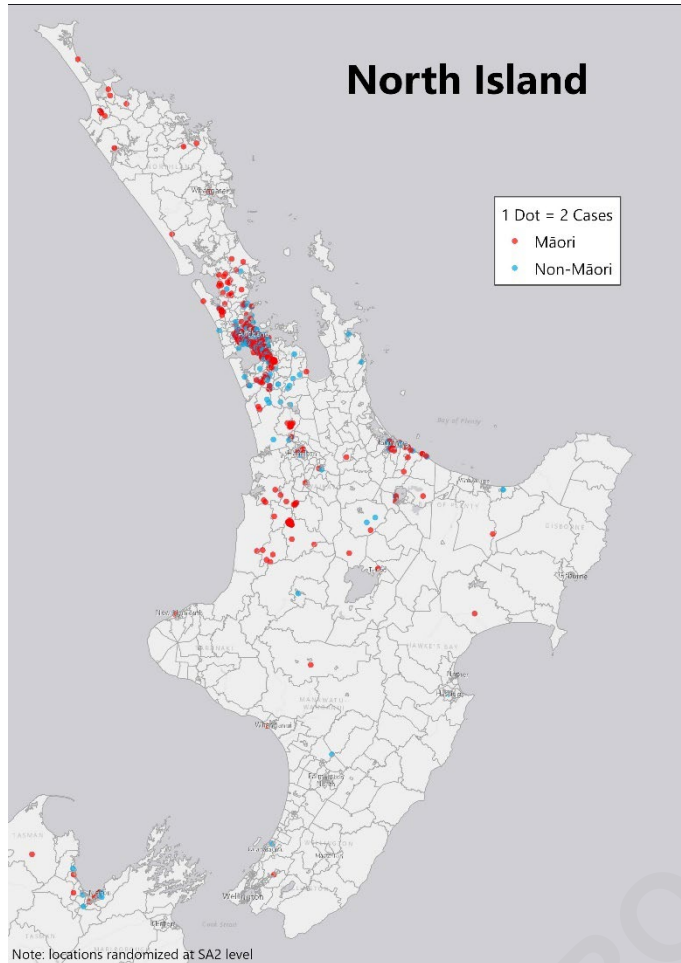
The figures below show the number of new cases reported in the previous six weeks from Monday 25 October to Sunday 5 December.

The ethnic proportion of cases reported this week is comparative to last week. As noted last week, cases reported in Pacific People have seen a significant decline which is particularly noted in Auckland Metro. The majority of cases reported continues to be in Māori nationally and particularly in Northland, Auckland Metro and Waikato. This trend is noticeably seen in the maps showing the location of reported cases by ethnicity. This trend may be linked to low Māori vaccination rates, particularly in Northland and Waikato in which 69% and 73% of the eligible population is fully vaccinated respectively.



COVID-19



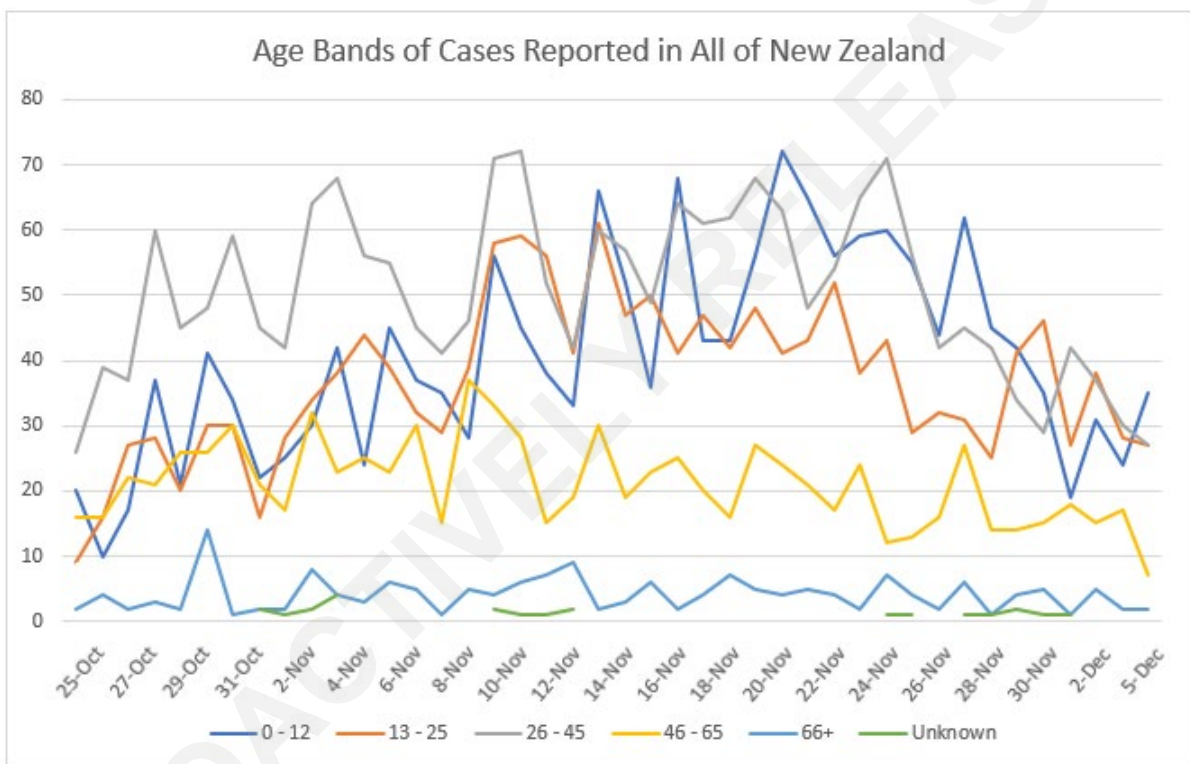


Cases by Age

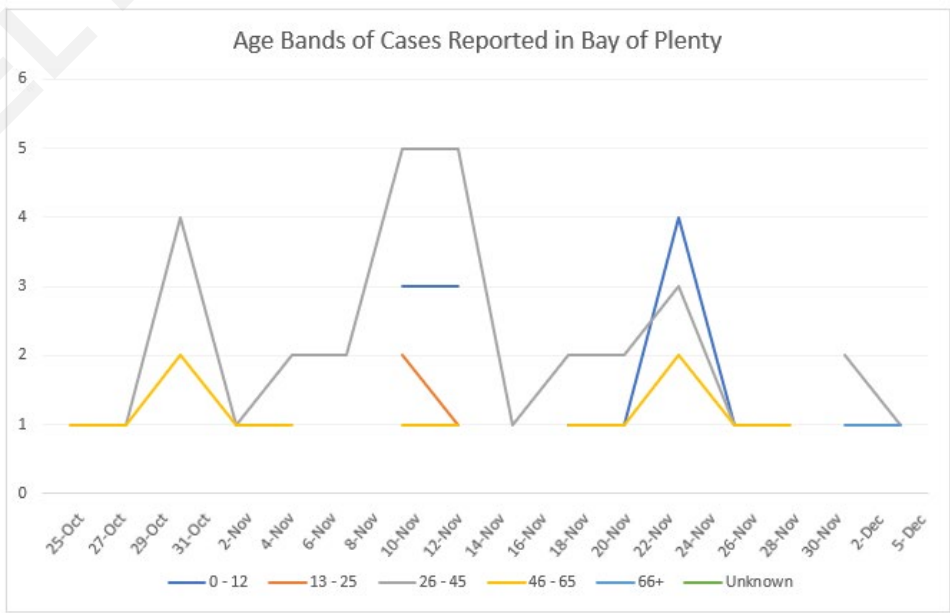
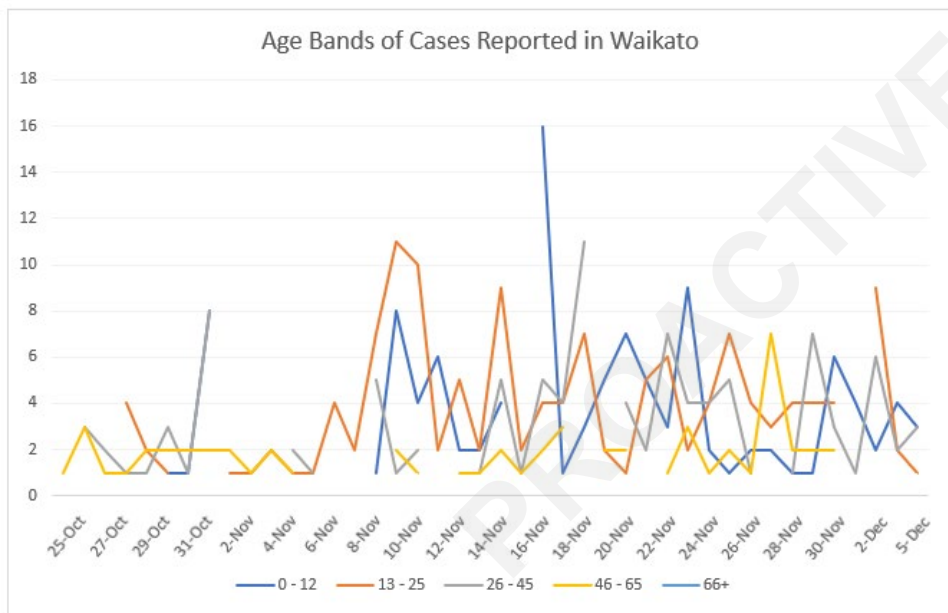
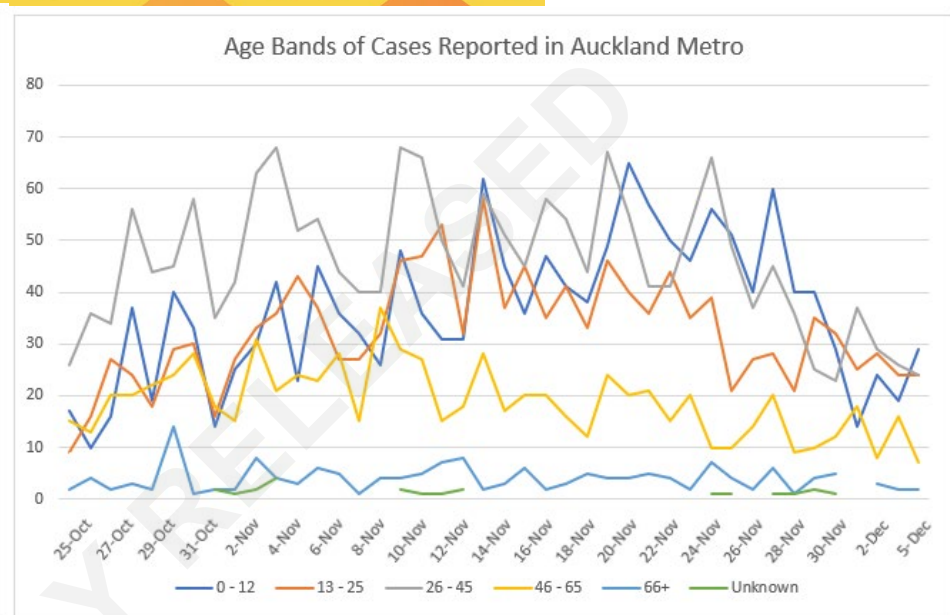
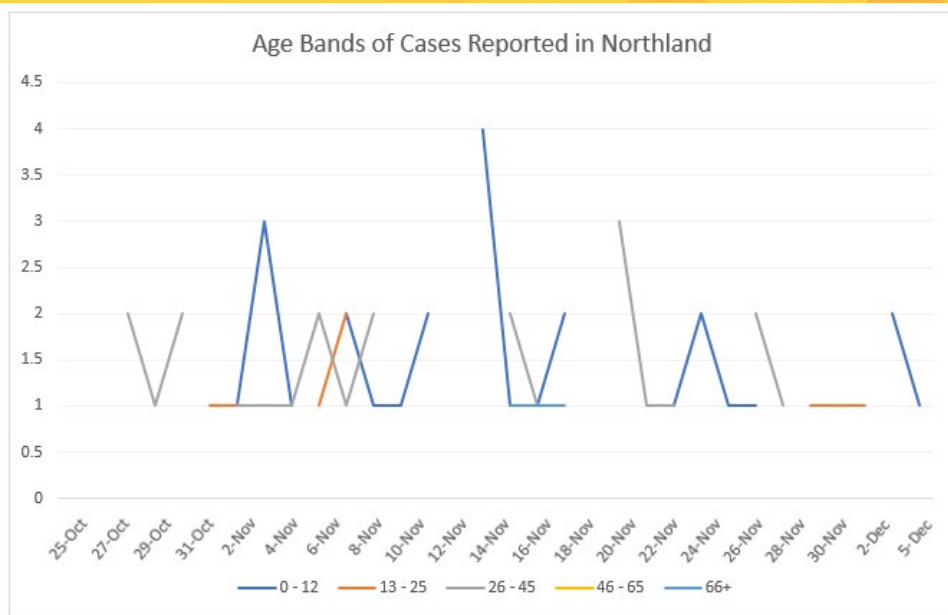
The figures below show the number of new cases reported in the previous six weeks from Monday 25 October to Sunday 5 December.

The proportion of cases reported across all age bands are comparable to those reported last week. Cases reported in age bands 46 – 65 and 66+ remain stable over the past 6 weeks, despite the overall decrease in cases being reported. A marked decrease in cases reported in the past few weeks is noted in those aged 0 – 12 and 26 – 45. Cases reported in the 13 – 25 year age band are relatively stable the past few weeks.

All cases reported in Northland in the past 6 weeks are below 45 year of age and are equally proportionate between age bands 0 -12 and 26 – 45. This is reflective of cases among households of young families.



COVID-19



COVID-19

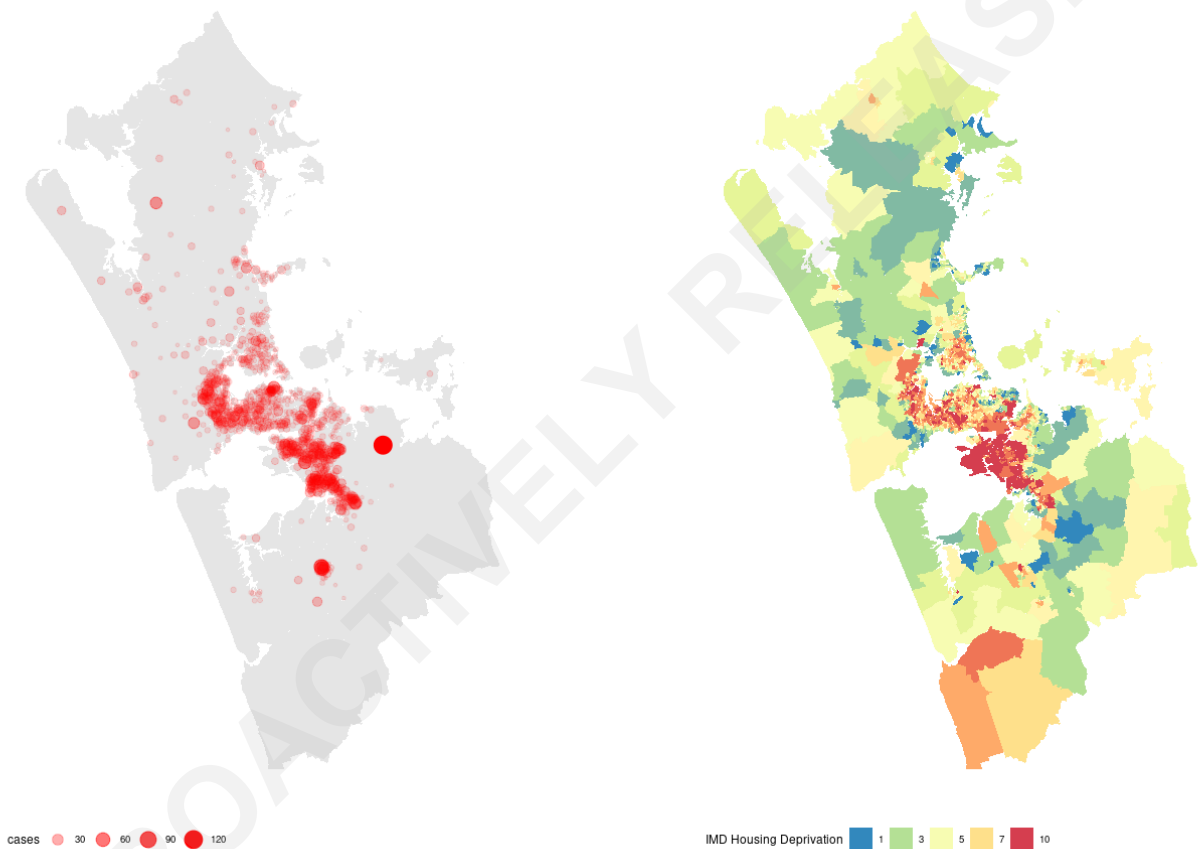
Cases by Deprivation

The figures below show the number of new cases reported in the previous six weeks from Monday 25 October to Sunday 5 December.

In the tables below we can see the distribution of cases reported in the past six weeks in Auckland Metro in relation to housing deprivation. A clear correlation can be seen between a higher number of cases reported in areas which are have a higher deprivation score.

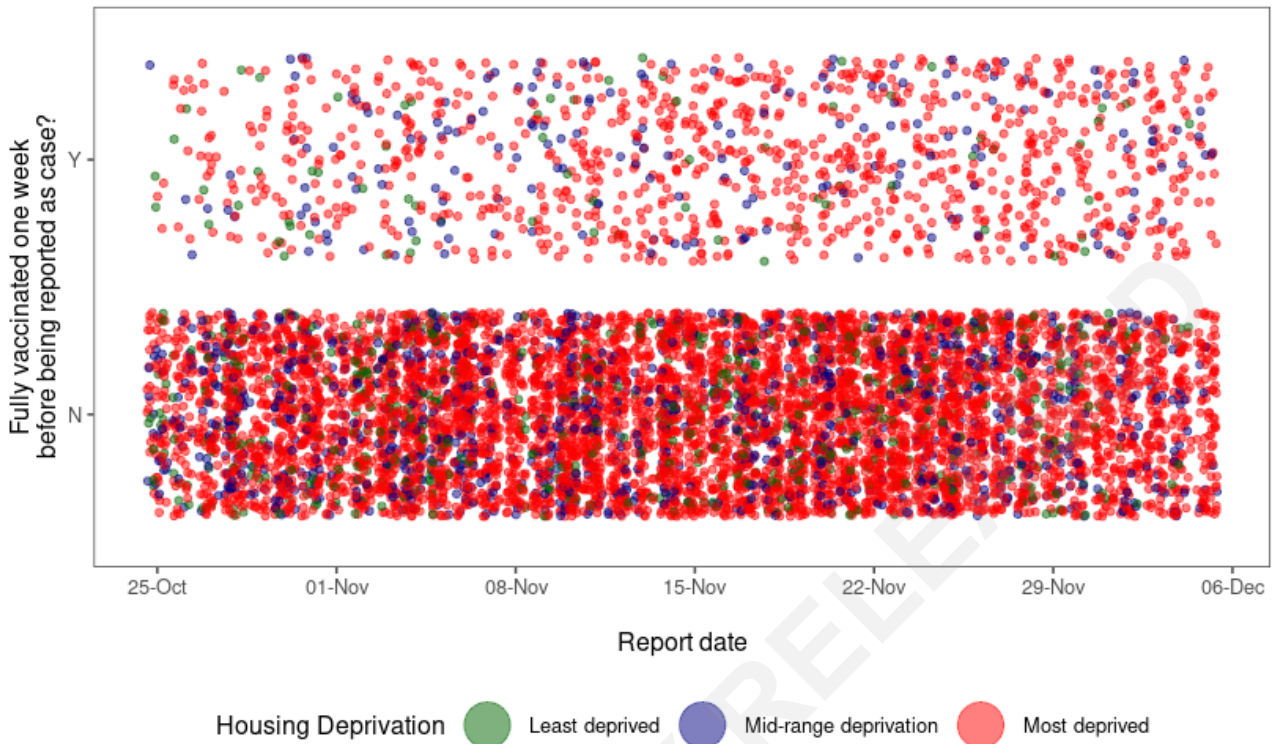
Table showing cases by vaccination status and housing deprivation shows that the majority of cases in the outbreak across New Zealand are unvaccinated. Interesting, it also shows a relative comparison of vaccination status to housing deprivation.

COVID-19 community cases in the Auckland metropolitan region
(from 25 October to 05 December)
geographical concentration and Housing deprivation status



Please note that a small proportion of cases (211 or 2.5% of the total) do not have a valid geolocation code and are not included in this map

COVID-19 cases by vaccination status and housing deprivation
Delta Outbreak community cases, NZ wide



Hospitalisations

The below figures show the 255 hospitalised cases who have been reported in the previous six weeks between Monday 25 October and Sunday 5 December age band, ethnicity and vaccination status at the time of being reported as a case.

On 10 December the average age of hospitalised cases was 51. Hospitalisation is most common in age bands 26 – 45 and 46 – 65. However, the proportion of cases hospitalised by age band is highest in age bands 46 – 65 with 77 percent of cases reported requiring hospital level care and 66+ where 88 percent of cases reported requiring hospital level care.

While the majority of cases hospitalised are Māori (122 cases), the highest proportion of cases requiring hospital level care are European or Other ethnicity at 63% compared to Māori with 28% of cases requiring hospital level care and 23% of Pacific People cases requiring hospital level care.

Vaccination status of cases is likened to trends reported overseas. The majority (65 percent) of cases were not vaccinated at the time of reporting and only a small proportion (11%) of hospitalised cases had received two doses more than 7 days prior to being reported as a case.

