



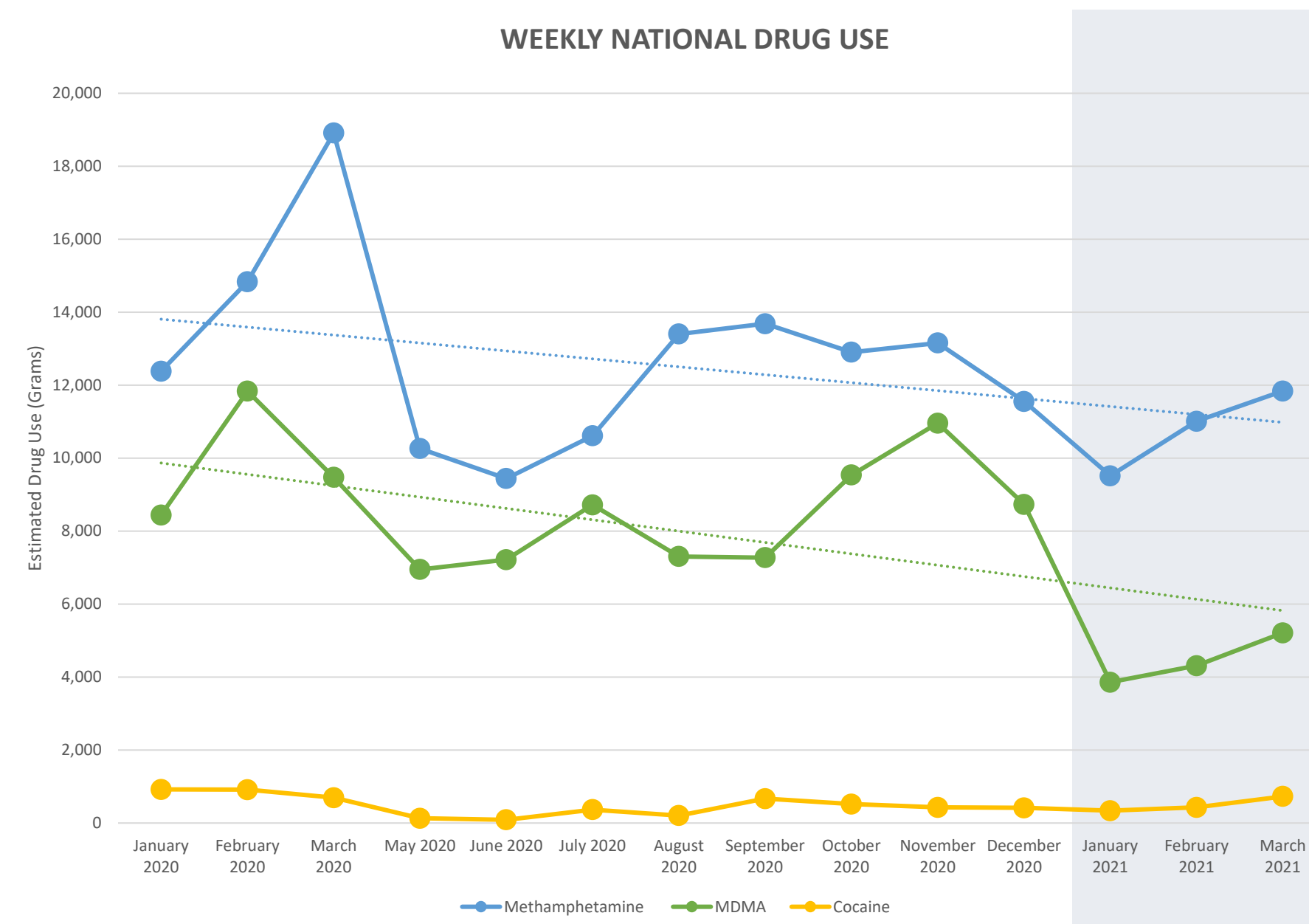
Wastewater Drug Testing in New Zealand: National Overview

Quarter One 2021

NOTES

- Wastewater testing occurs during one week per month, however the frequency of testing varies between sites. Nationwide testing started in November 2018, and current testing sites cover up to 75 percent of the total New Zealand population. While the nationwide program tests for indicators of consumption of methamphetamine, MDMA, cocaine, heroin, fentanyl, ephedrine and pseudoephedrine, the three commodities routinely detected in sufficient quantities to accurately report on are methamphetamine, MDMA and cocaine.
- Q1 2021 covers the three month period between January and March 2021 (inclusive).
- All data is representative of the sites tested only.
- The estimated dollar value generated from illicit drug distribution takes into consideration the estimated national drug use and the typical street prices (per gram) of each commodity. Purity levels have not been assumed and therefore the true dollar value is likely to be greater than reported.

WEEKLY NATIONAL DRUG USE



KEY FINDINGS: Q1 2021

METHAMPHETAMINE

- The average national methamphetamine consumption for Q1 2021 was 10.8 kilograms. This is a 14 percent decrease (1.7 kg) when compared with the previous quarter (Q4 2020), and a 30 percent (4.6 kg) decrease when compared with Q1 2020.
- Of the sites tested, Eastern, Central and Bay of Plenty Districts consumed the most methamphetamine per capita (697, 614 and 577 mg/day/1000 people), above the national average of 462 mg/day/1000 people.
- Approximately \$64 million was generated from methamphetamine distribution across New Zealand sample sites in Q1 2021.

MDMA

- The average national weekly consumption of MDMA during Q1 2021 was 4.5 kilograms. This is a 53 percent decrease (5.3 kg) from the previous quarter (Q4 2020), and is the lowest quarterly consumption of MDMA since wastewater testing began.
- Of the sites tested, Southern, Wellington and Bay of Plenty Districts consumed the most MDMA per capita (353, 332 and 245 mg/day/1000 people), above the national average of 194 mg/day/1000 people.
- Approximately \$11 million was generated from MDMA distribution across New Zealand sample sites in Q1 2021.

COCAINE

- The average national weekly consumption of cocaine was 0.5 kilograms. This is similar to the amount consumed in the previous quarter, and a 41 percent decrease (0.3 kg) when compared to Q1 2020.
- Of the sites tested, Tāmaki Makaurau, Wellington, and Southern Districts continue to record the highest levels of cocaine consumption per capita (37, 16 and 11 mg/day/1000 people) with the national average being 21 mg/day/1000 people.
- Approximately \$2 million was generated from cocaine distribution across New Zealand sample sites in Q1 2021.



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Quarter One 2021

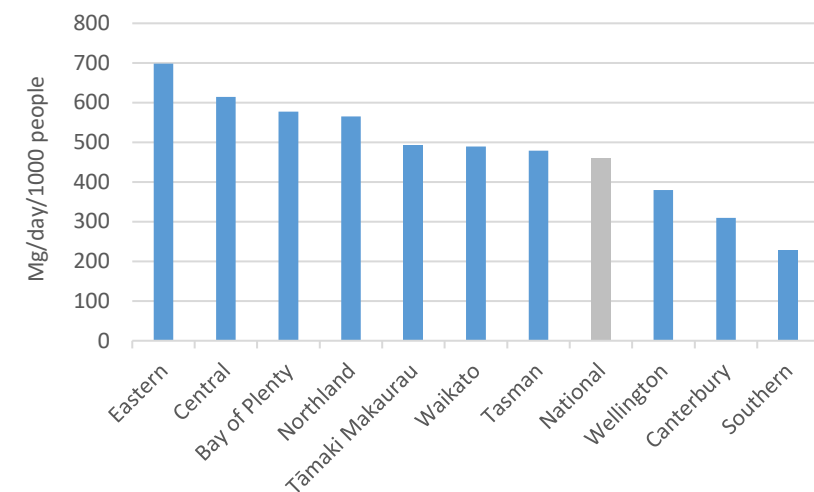


NOTES

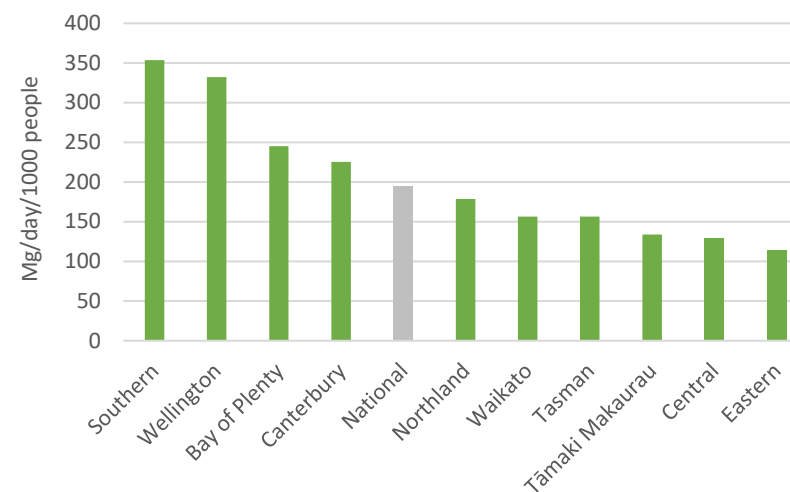
- Per capita graphs are not shown on a comparative scale, due to the significant variance across different drug types. Drug use is shown as milligrams consumed per day, per 1,000 people.
- Average weekly drug use graphs show the average estimated drug use in grams for each commodity, by district, during Q1 2021. The graphs for Tāmaki Makaurau, Wellington and Canterbury have been enlarged to reflect the higher levels of consumption in metropolitan areas.

PER CAPITA DRUG USE BY DISTRICT Q1 2021

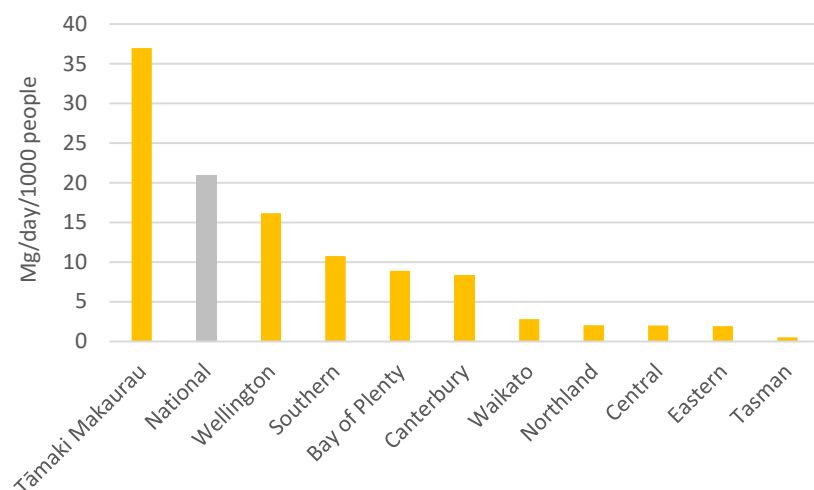
METHAMPHETAMINE: PREVALENCE PER CAPITA



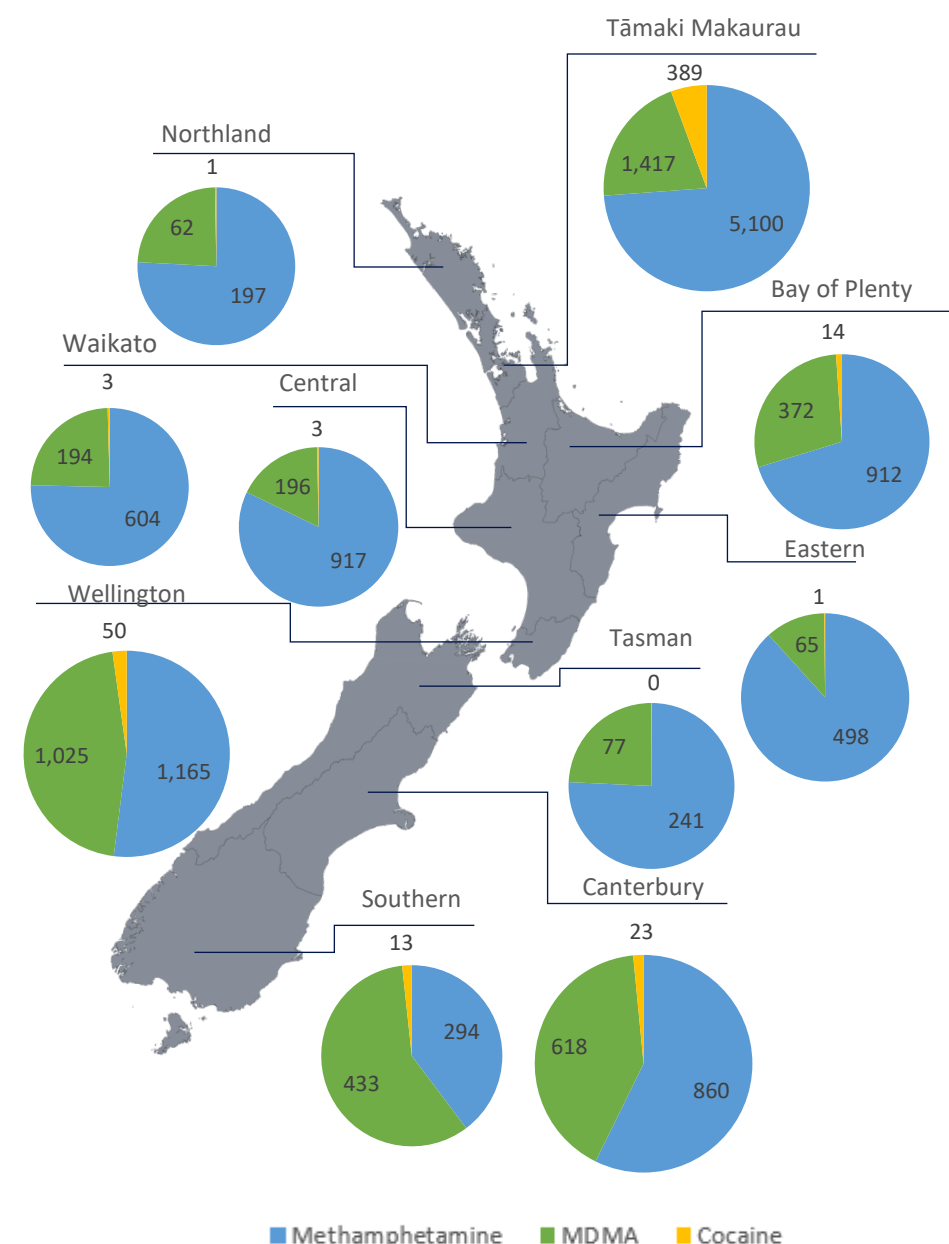
MDMA: PREVALENCE PER CAPITA



COCAINE: PREVALENCE PER CAPITA



AVERAGE WEEKLY DRUG USE BY DISTRICT Q1 2021 (GRAMS)





IN CONFIDENCE

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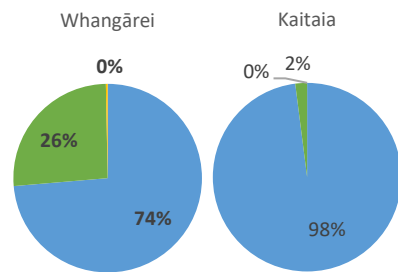
Quarter One 2021



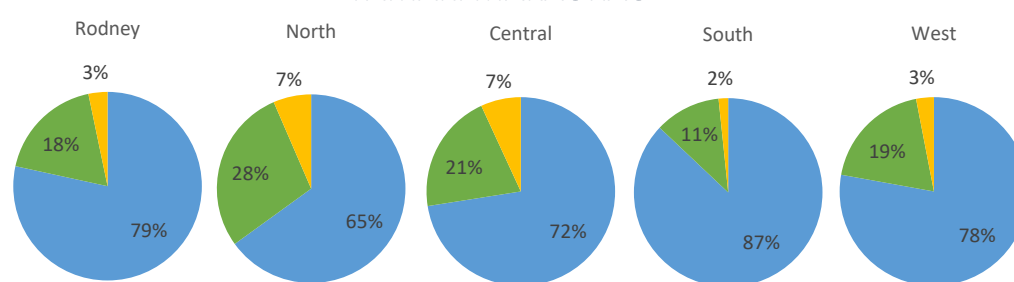
NOTES

➤ The below graphs illustrate the proportion of drug use detected within catchment areas during Quarter One 2021

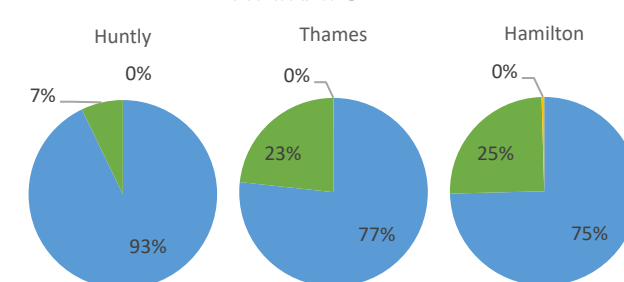
NORTHLAND



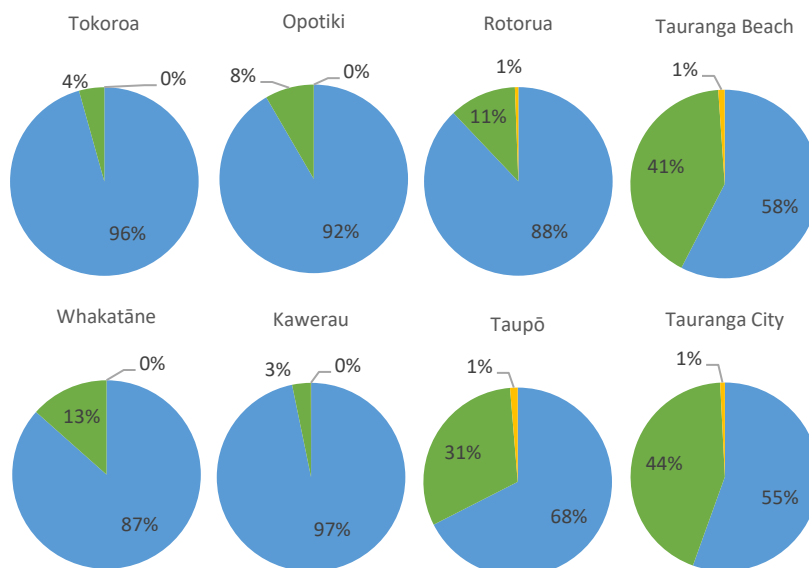
TĀMAKI MAKAUURAU



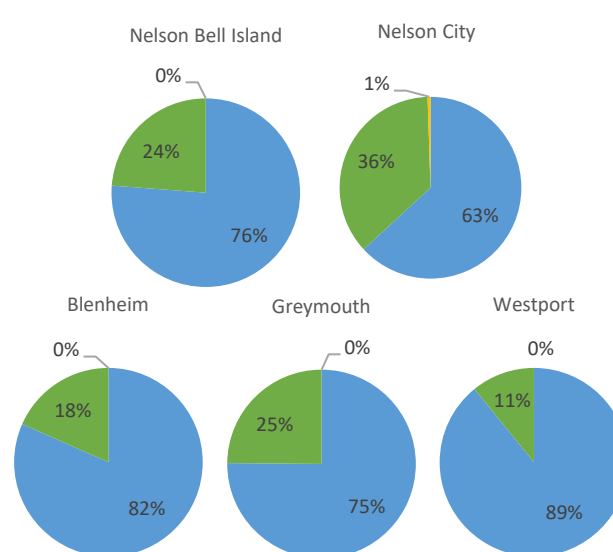
WAIKATO



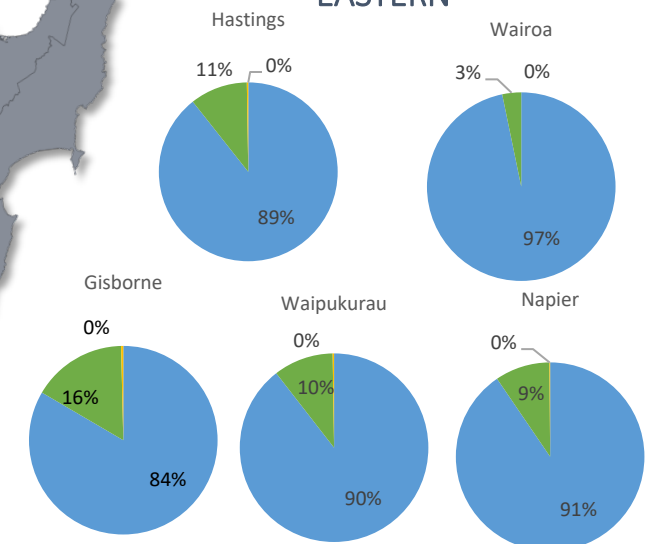
BAY OF PLENTY



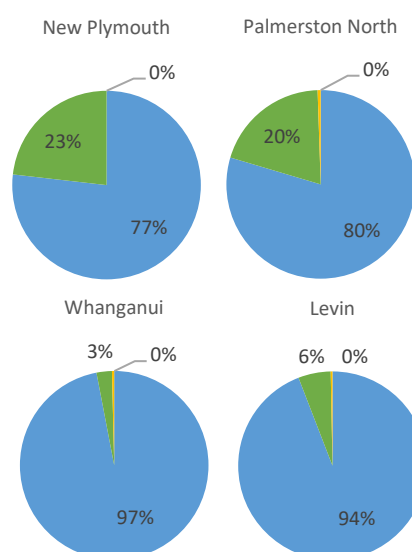
TASMAN



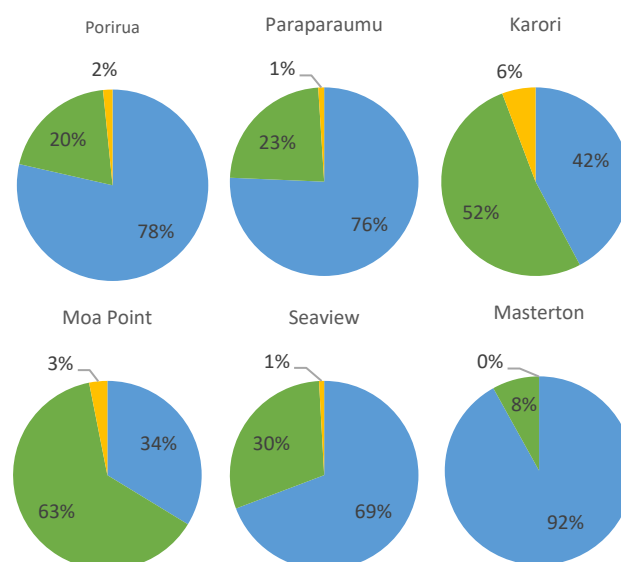
EASTERN



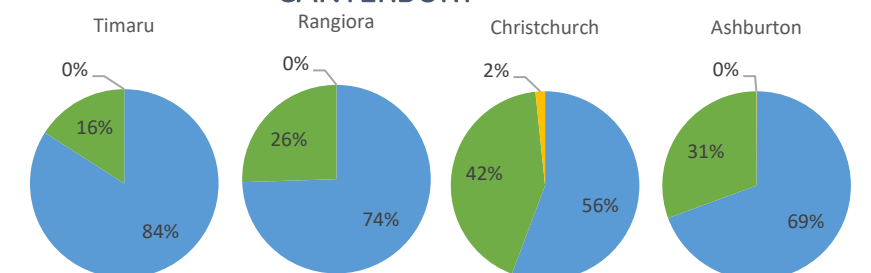
CENTRAL



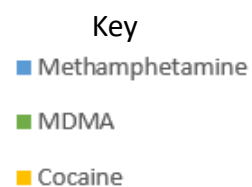
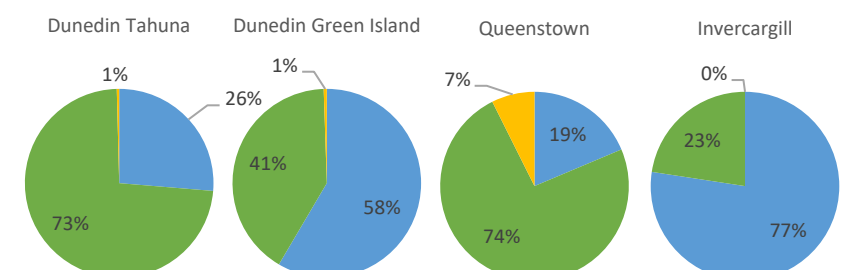
WELLINGTON



CANTERBURY



SOUTHERN



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