

Household travel in New Zealand under COVID 19 alert levels

Jennifer McSaveney – Ministry of Transport
Julie Mugford – Ministry of Transport



AVIATION & FORECASTING | DATA | ECONOMICS | ENVIRONMENT | HEALTH | MĀORI | SAFETY | TECHNOLOGY & INNOVATION | URBAN

The views and opinions expressed in this presentation belong solely to the presenter(s), and do not necessarily reflect the views of the presenter's employer, TKH, or any other group or individual

Contents

- How and why we surveyed
- Travel in the past 7 days
 - Different aspects
- Tours involving shopping
- Future areas of investigation

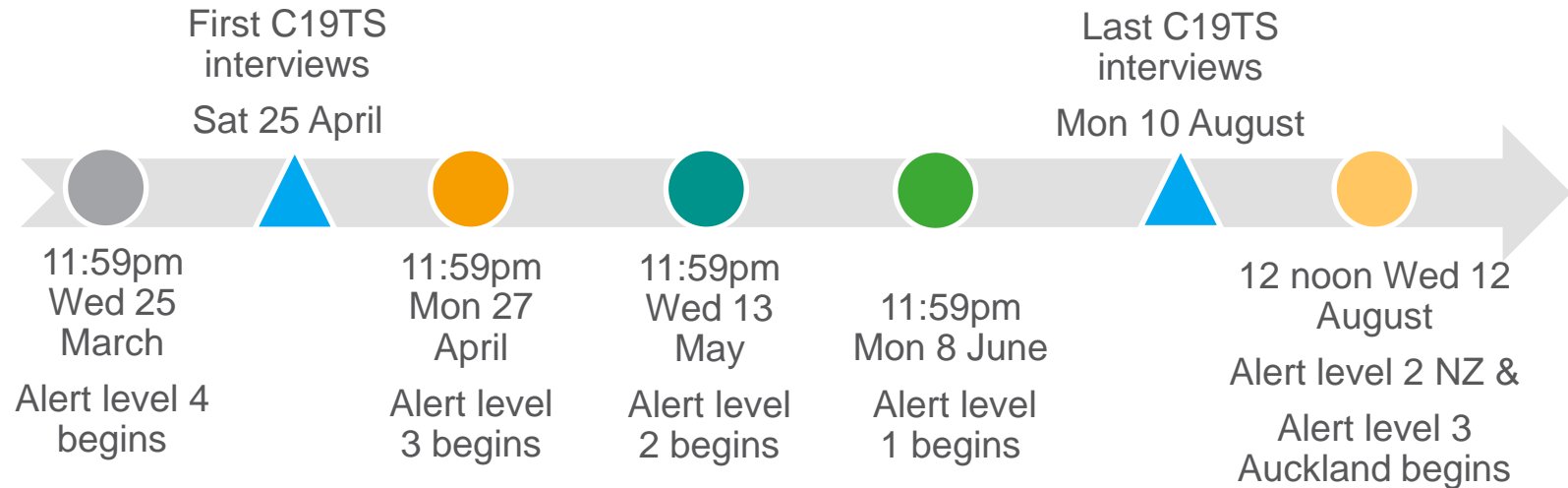
Background

- Normally, we study household travel using the New Zealand Household Travel Survey (NZHTS) and face to face surveying.
- Due to the COVID19 restrictions, we had to stop face to face surveying in March 2020.
- As a substitute, from April until August 2020, we ran a panel survey (C19TS) of previous NZHTS participants.

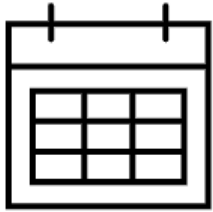


Timeline of alert levels

- ▶ We surveyed 1,275 unique participants and completed 4,177 interviews across the alert levels



Some survey questions



**Frequency of travel
to activities in the
last 7 days**

For example:

- Work
- Shopping
- Social/entertainment
- Walking or running for leisure or fitness

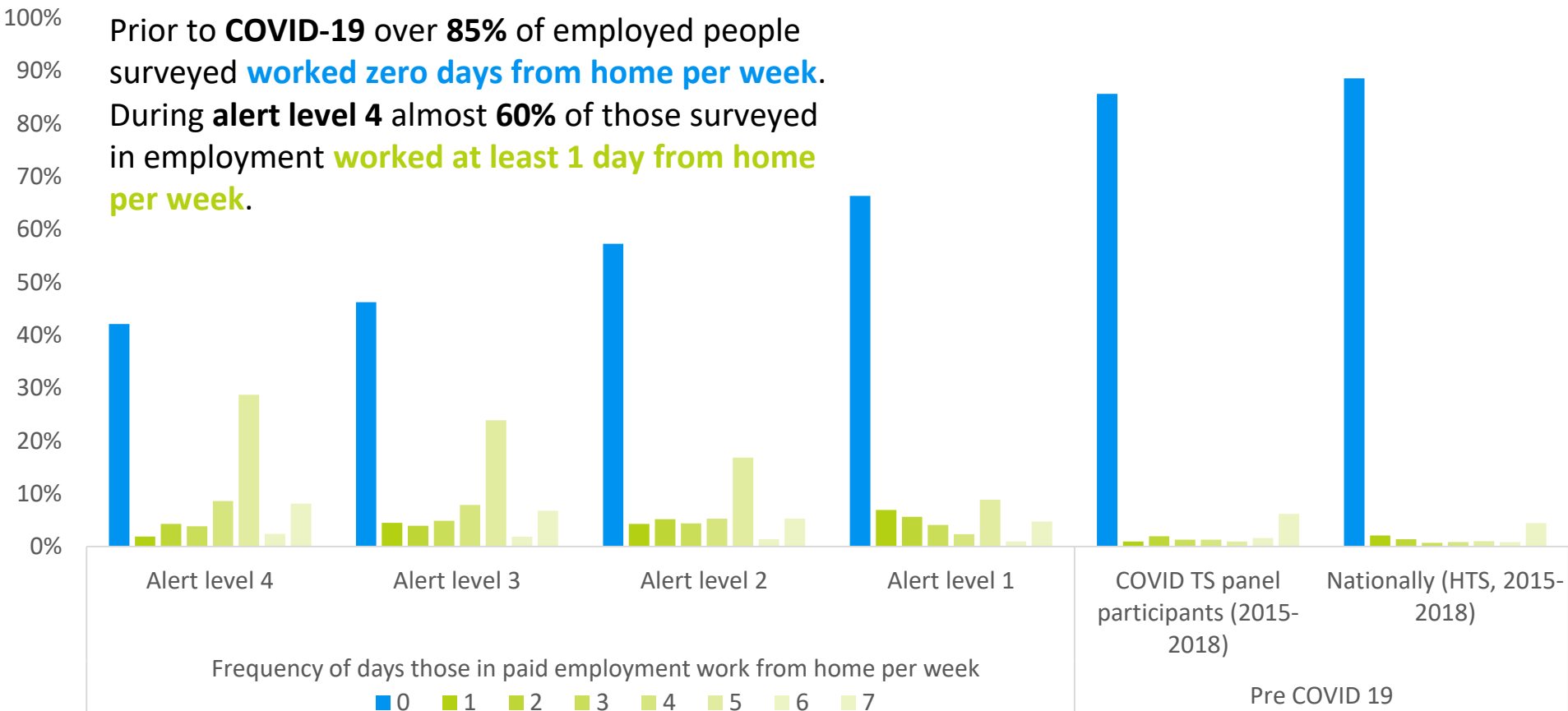


**Where did you travel
the last time you left
your house?**



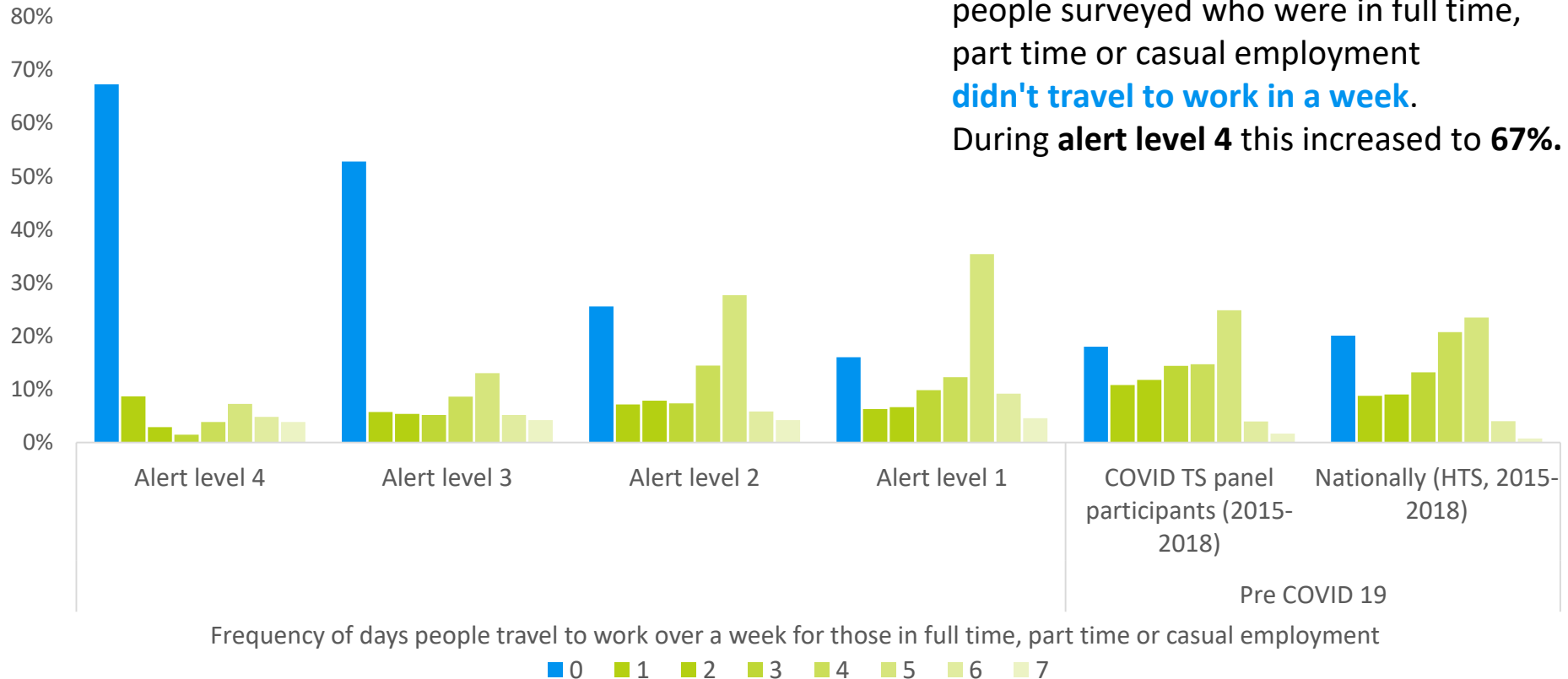
Working from home

Prior to **COVID-19** over **85%** of employed people surveyed **worked zero days from home per week**. During **alert level 4** almost **60%** of those surveyed in employment **worked at least 1 day from home per week**.



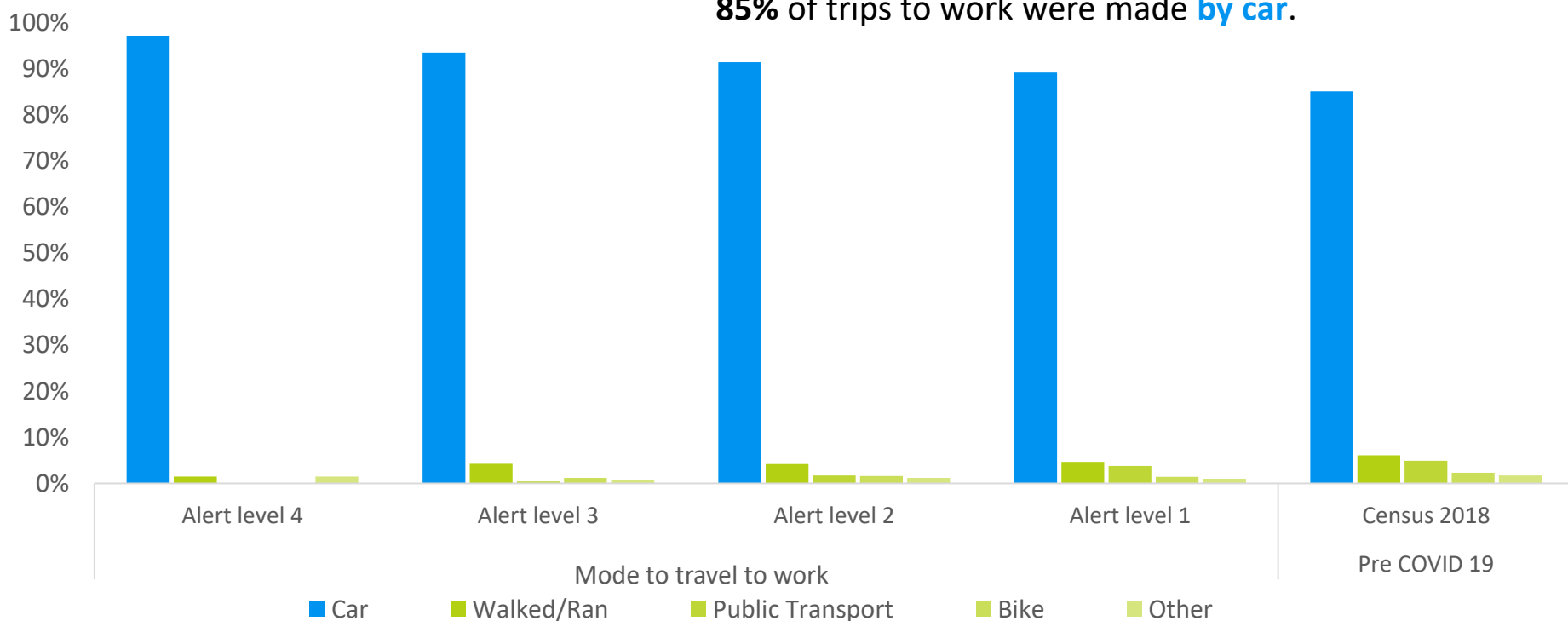
Travel to work

Prior to COVID-19 about **18%** of the people surveyed who were in full time, part time or casual employment **didn't travel to work in a week**. During **alert level 4** this increased to **67%**.

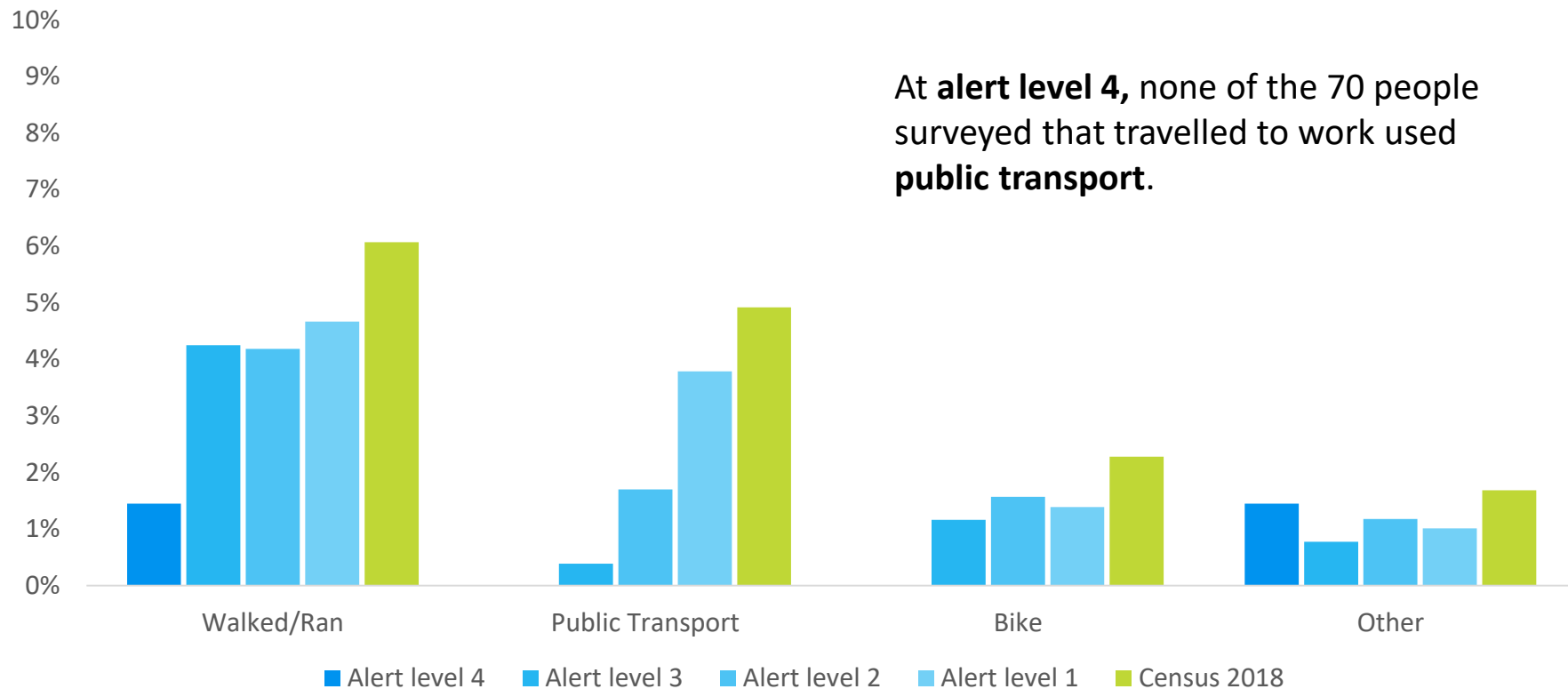


Mode to travel to work

During **alert level 4** over **95%** of trips to work by those interviewed were made **by car**. Whereas, prior to **COVID-19** **85%** of trips to work were made **by car**.



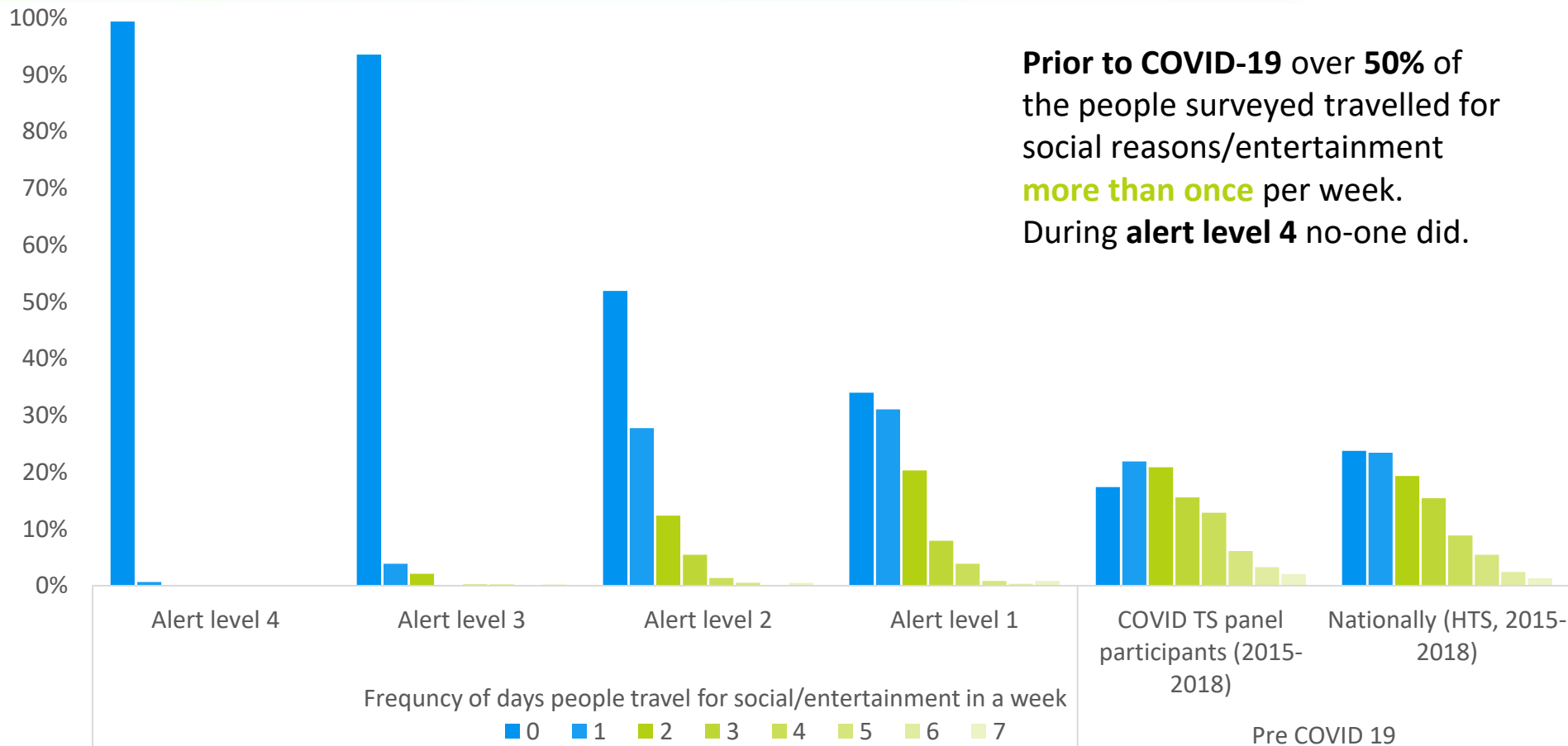
Mode to travel to work



Shopping

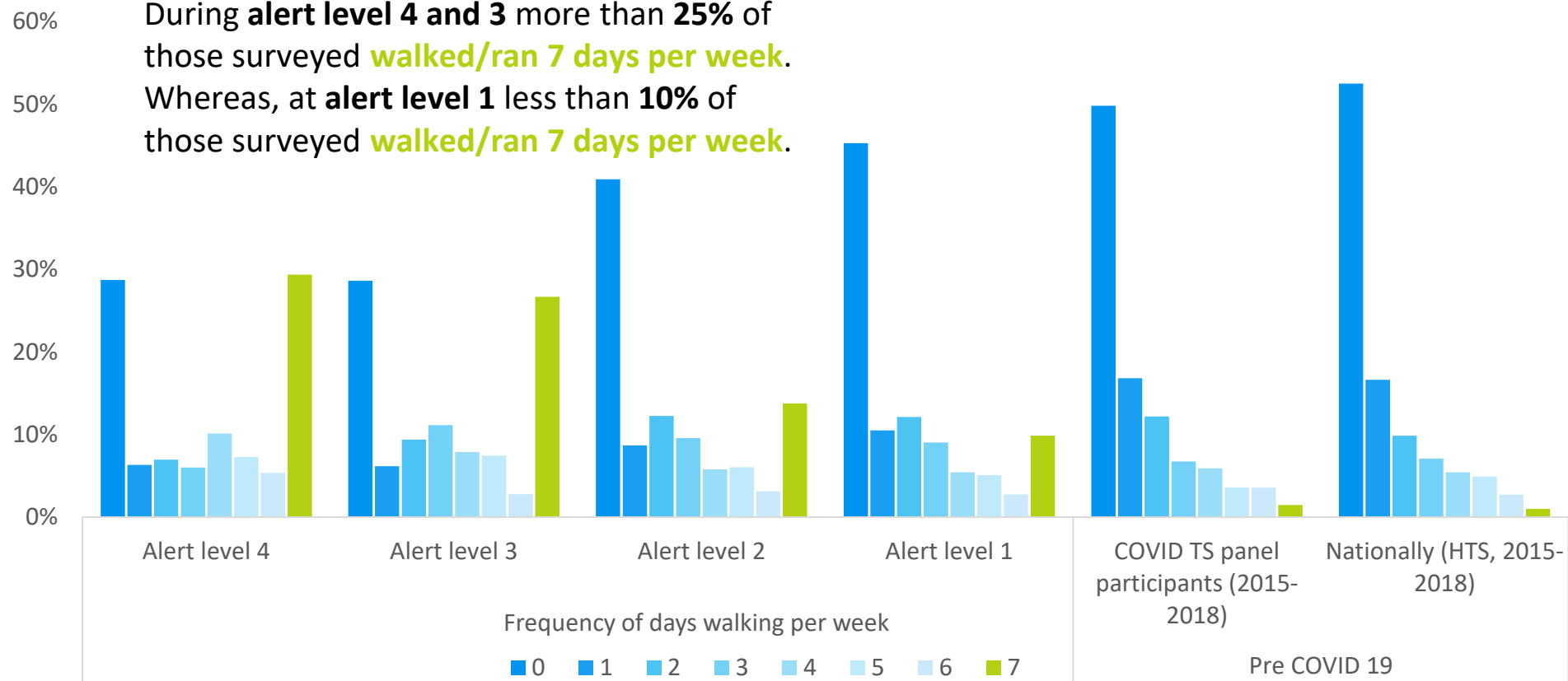


Social/entertainment



Walking and running

During **alert level 4 and 3** more than **25%** of those surveyed **walked/ran 7 days per week**. Whereas, at **alert level 1** less than **10%** of those surveyed **walked/ran 7 days per week**.

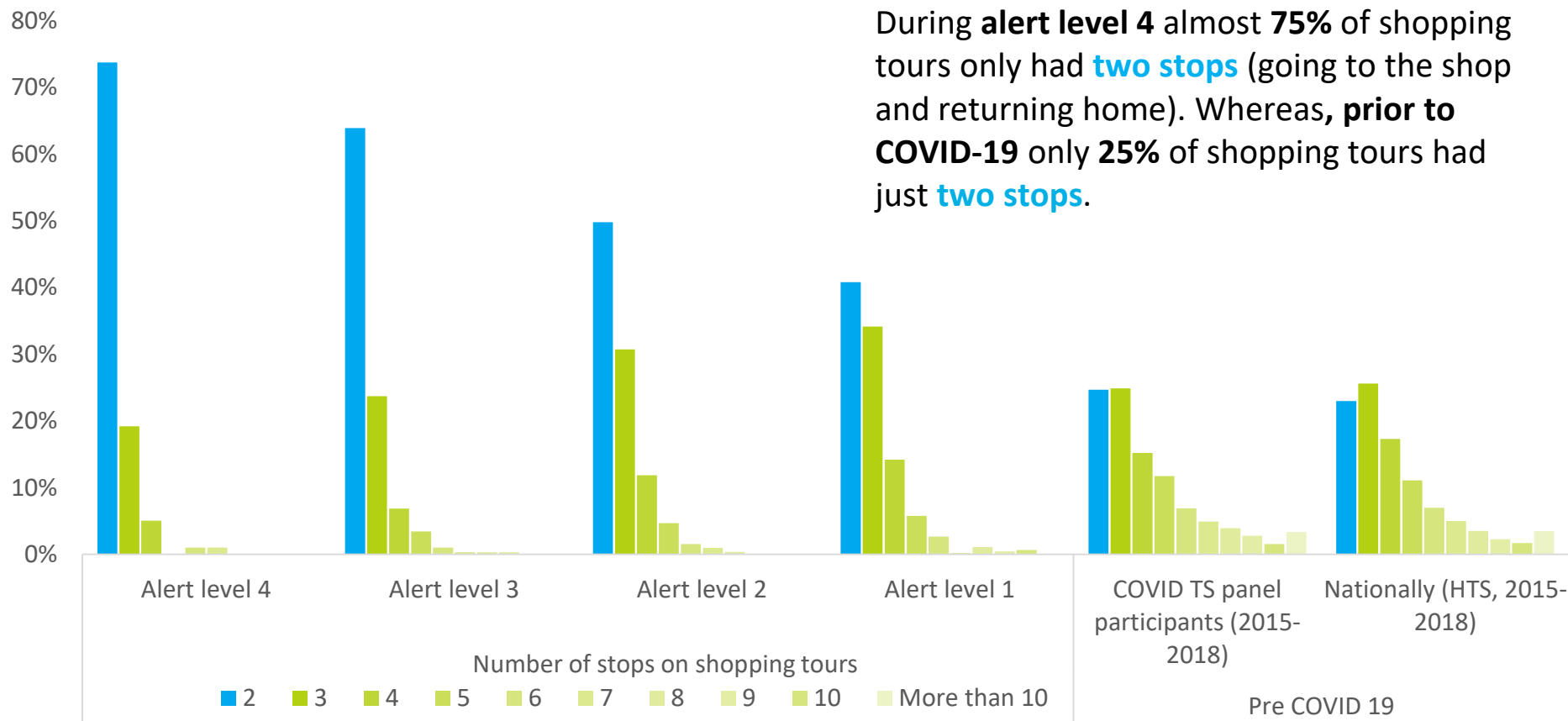


The last time you left the house



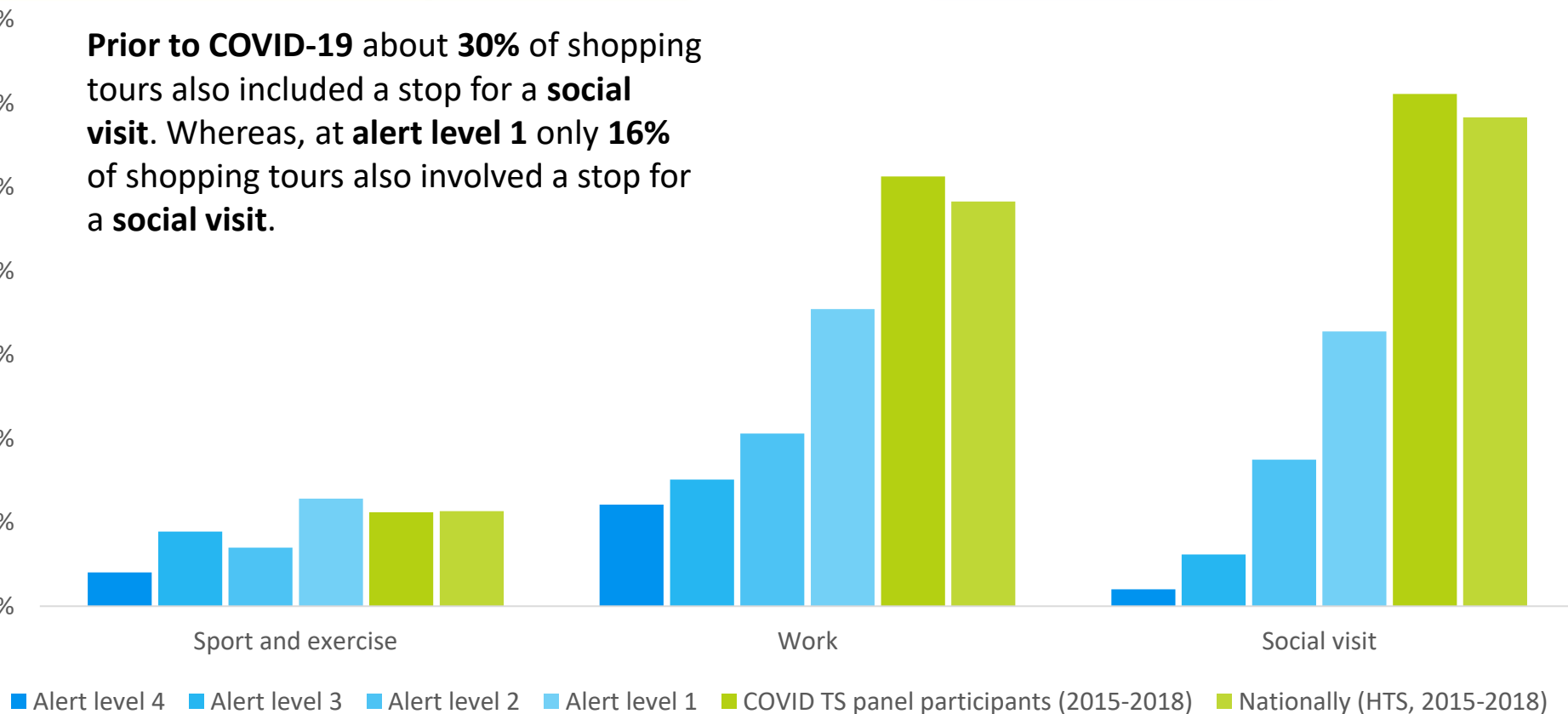
Number of stops on shopping tours

During **alert level 4** almost **75%** of shopping tours only had **two stops** (going to the shop and returning home). Whereas, **prior to COVID-19** only **25%** of shopping tours had just **two stops**.



Shopping tours – types of other stops

Prior to COVID-19 about **30%** of shopping tours also included a stop for a **social visit**. Whereas, at **alert level 1** only **16%** of shopping tours also involved a stop for a **social visit**.



We have more data!

This is just a **snapshot of some of the possible analysis** that can be done with the data available.

Other data we have collected include:

- Activities participants needed to do but did not and the reasons why they did not.
- Further demographic breakdowns by:
 - Age, gender, ethnicity
 - Vulnerable people with respect to COVID19
 - Bubble sizes
 - Difficulties and disabilities
 - Employment status (including those employed in an 'essential service')

Future areas of investigation

This data connects with the larger NZ household travel survey results.

Together with the NZHTS data we will have a picture of household travel in New Zealand **before**, **during**, and **after** (one day!) **COVID19**.

All of which contributes to a deeper understanding of the impacts of restrictions in reaction to COVID19 on our daily lives and how we travel.

For more information, get in touch with us
travelsurvey@transport.govt.nz

For more info on the Household Travel
Survey

www.transport.govt.nz/travelsurvey

Thank you

