

# A World Without Public Transport?



# The last 2 months.... Public Transport FAILURE

## Traffic woes as n for rest of year in

By Justin Hu, Digital Reporter | Thu, Mar 2



## Auckland home as t suspende Harbour B

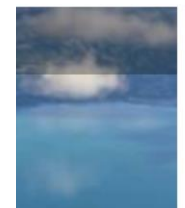
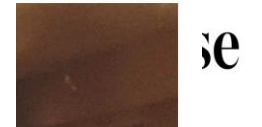
Date: Sunday 12 February 2023

FRANCE

## Major train strikes in France aimed at "blocking country"

COMMENTS

By Rory Armstrong with AFP, AP • Updated: 08/03/2023 - 14:22



# Cost and Climate Change

NEW ZEALAND / TRANSPORT

Petrol  
Gover  
dollar  
swapp  
lanes

News | Weather

## New Zealand declares rare national emergency after massive storm



By Thor

NEW ZEALAND

*Torrential rain and high tides from Cyclone Gabrielle lead to severe flooding and landslides, cutting power to thousands.*

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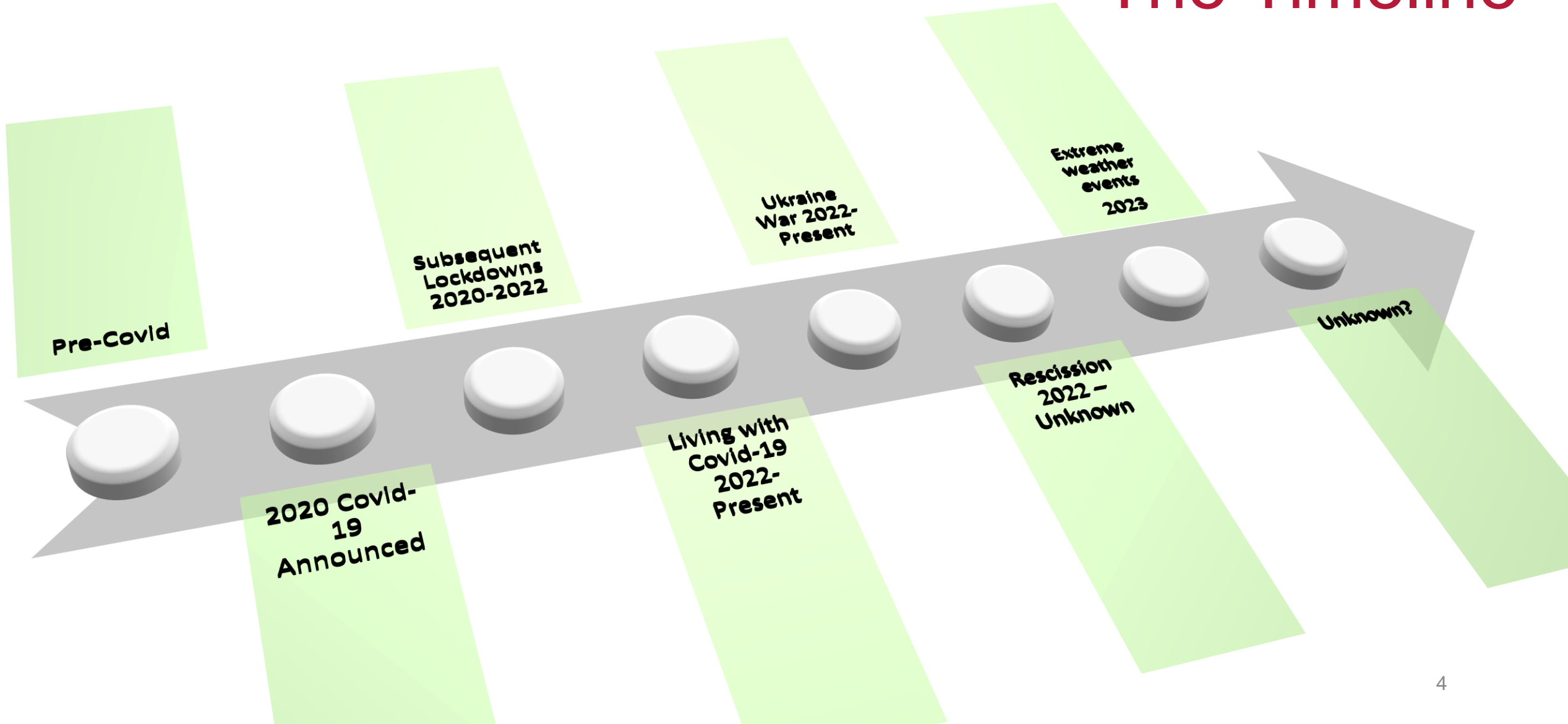
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Kate Cross Journalist

price  
public



# The Timeline





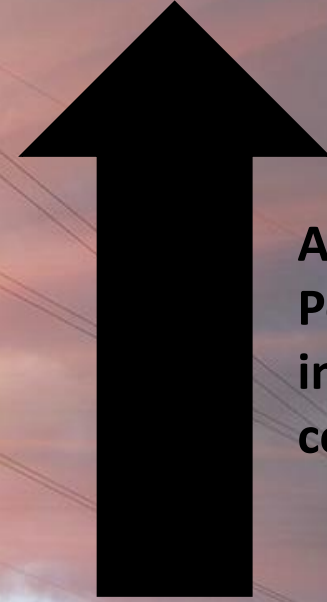
**Rising cost  
of Crude  
Oil**



**Increasing  
cost of  
essentials**



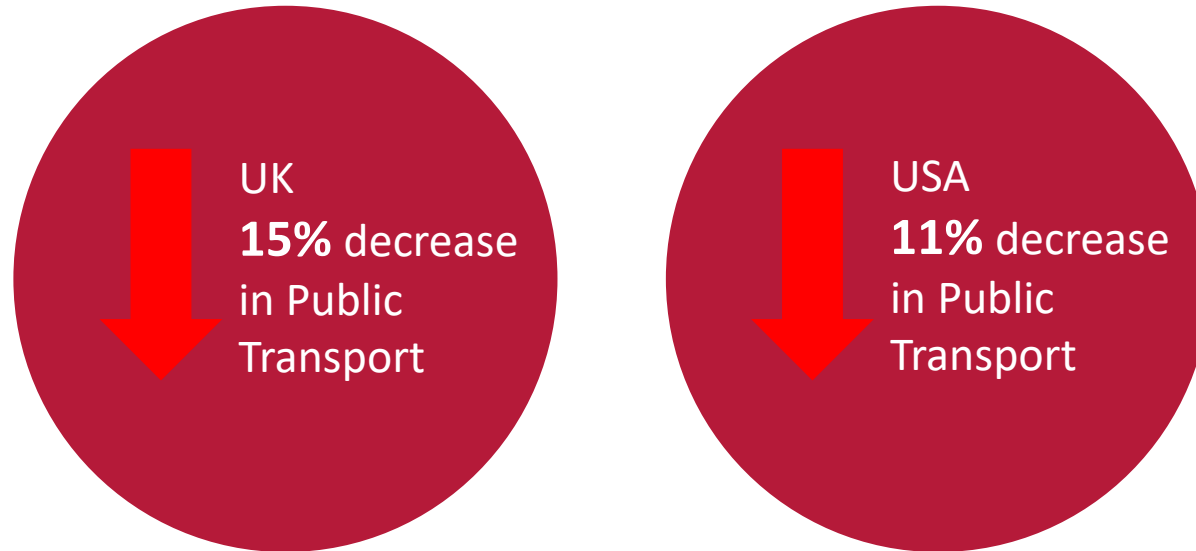
**Uncertainty  
over future**



**Aging  
Population in  
industrialized  
countries**

**What do all these factors mean for transport?**

# Overseas Travel Patterns - Public Transport



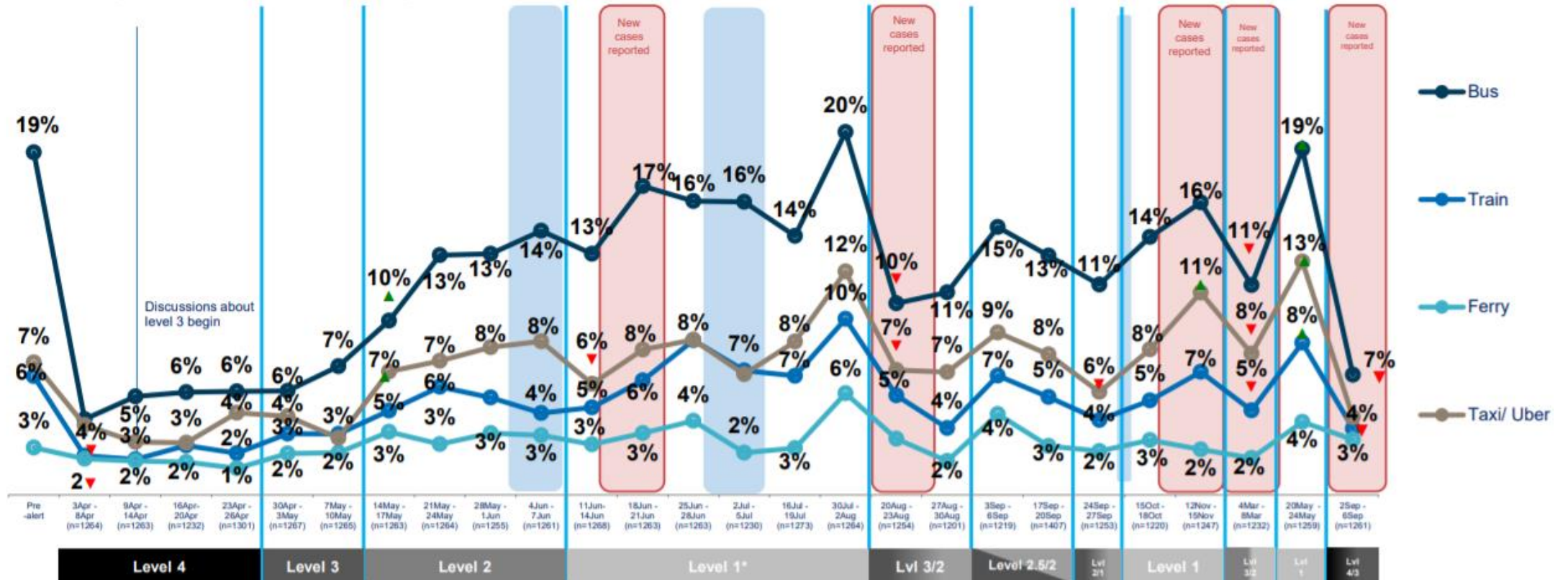
Source: Google Mobility Reports  
*Baseline = pre-covid*  
*updated October 2022*

# New Zealand Focus



# Transport patterns through Covid-19

Changes in mode usage by wave - national



Source: Waka Kotahi COVID-19 Transport Impact Report

Date: 18 March 2022

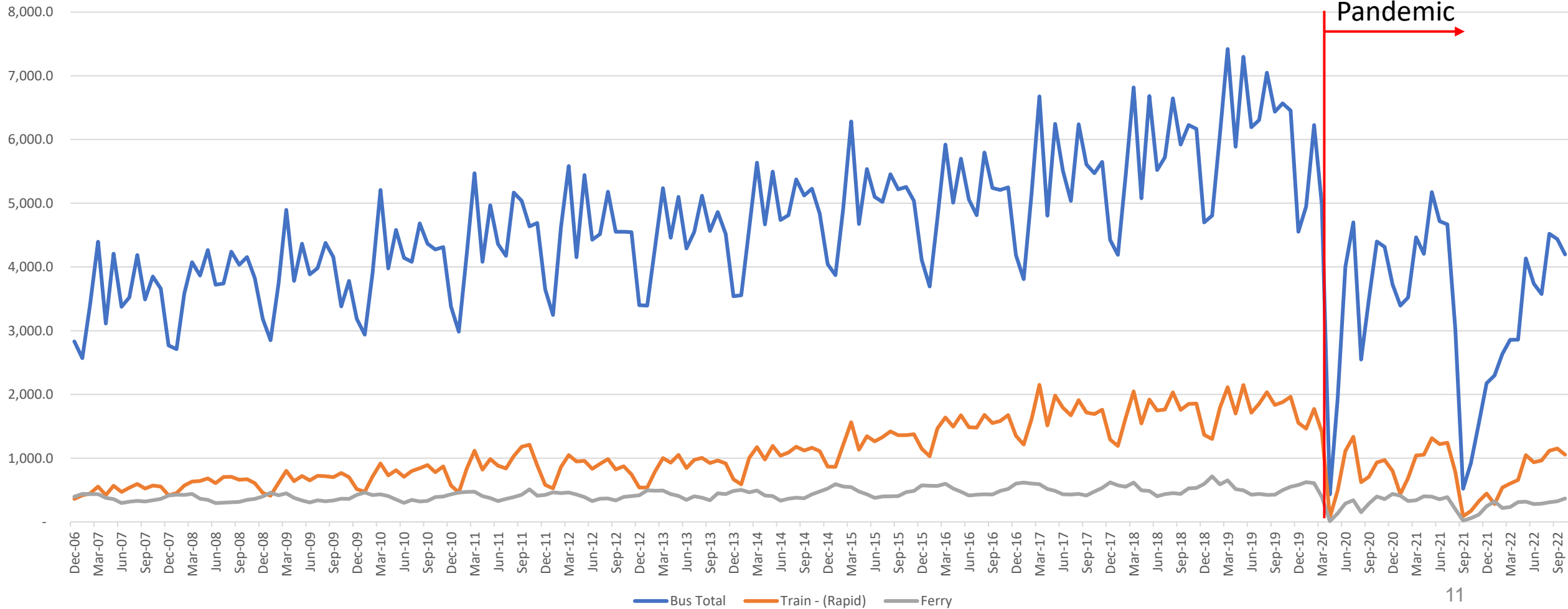
# National Travel Patterns



Source: Google Mobility Reports  
*Baseline = pre-covid (2019)*  
*updated October 2022*

# Auckland Transport Patronage

Patronage - per month – Data from Auckland Transport



# Resilience for Change

- Public Transport has shown a slow bounce back
- Driver shortage and crude oil increases have affected operation and cost
- Cycling and walking increased during lockdowns – data shortfall
- Half-price fares aren't enough to lure people back to PT

## What Now?

PT  
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Au

This article is more than 4 years old

# Germany launches world's first autonomous tram in Potsdam



—  
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es?

# Behaviour change Incentives that actually work

Metro/Hop/Snapper  
cards provided to  
employees

Kids travel free

Workplace travel  
plans –  
CarbonWise™

Health insurance  
benefits

Future demands on  
aging population

# Rise of Micro-mobility



Bikes, e-bikes, scooters, e-scooters need to be drastically incentivised – 50,000 imported each year. Reference (update to 2023)



Infrastructure changes required to accommodate higher travel speeds



No need to depend on times or services, users are free to leave whenever they feel like it, naturally more resilient to change



Better solution than e-cars



Maintaining active travel – for health and wellbeing

# Future of Transport

## Yes – we still need Public Transport





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