



Māngere Ebike Trial

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Transportation Group Conference 2023



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Why Ebikes?

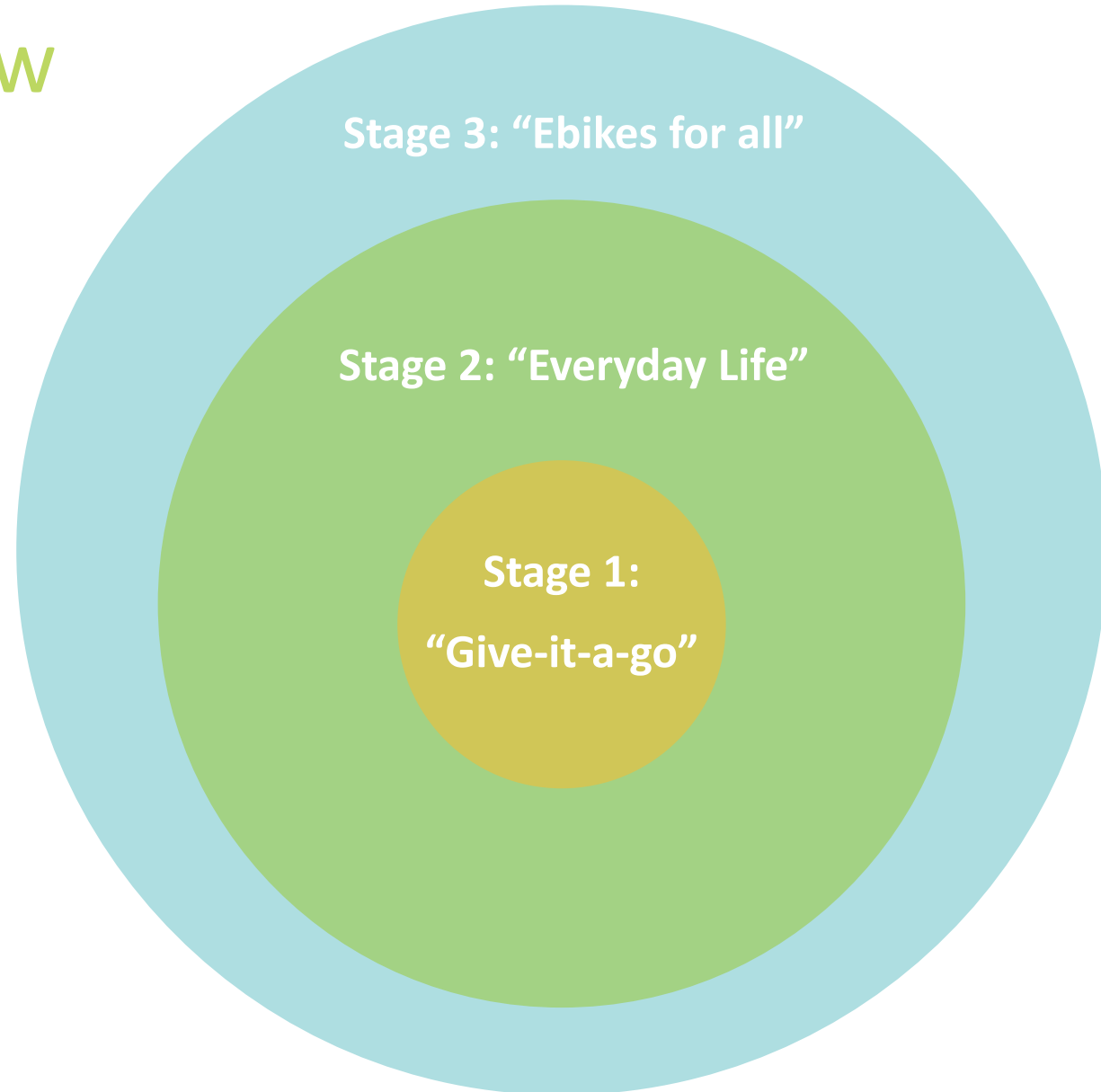
- Ebike use growing worldwide
- Make biking more useful (go further, carry more, quicker)
- Health and wellbeing for individuals
- Transport resilience
- Contribute to meeting emissions targets

Why Māngere?

- Existing local infrastructure and bike experts
- Interest shown by local people
- National climate change conversation: who wins/loses as e-mobility becomes widespread?



Project Overview



Stage 1: “Give-it-a-go” Workshops



Stage 1: Findings

- Increased appreciation of ebikes
- Ebikes could replace certain car trips and increase opportunities for exercise and recreation.
- Identified existing barriers that limit access and use of ebikes
- **Support and confidence to explore a trial of ebikes on a longer term basis**





Stage 2 – Māngere Ebike Trial: Auckland Transport's Ngā Tiriti Ngangahau – The Vibrant Streets

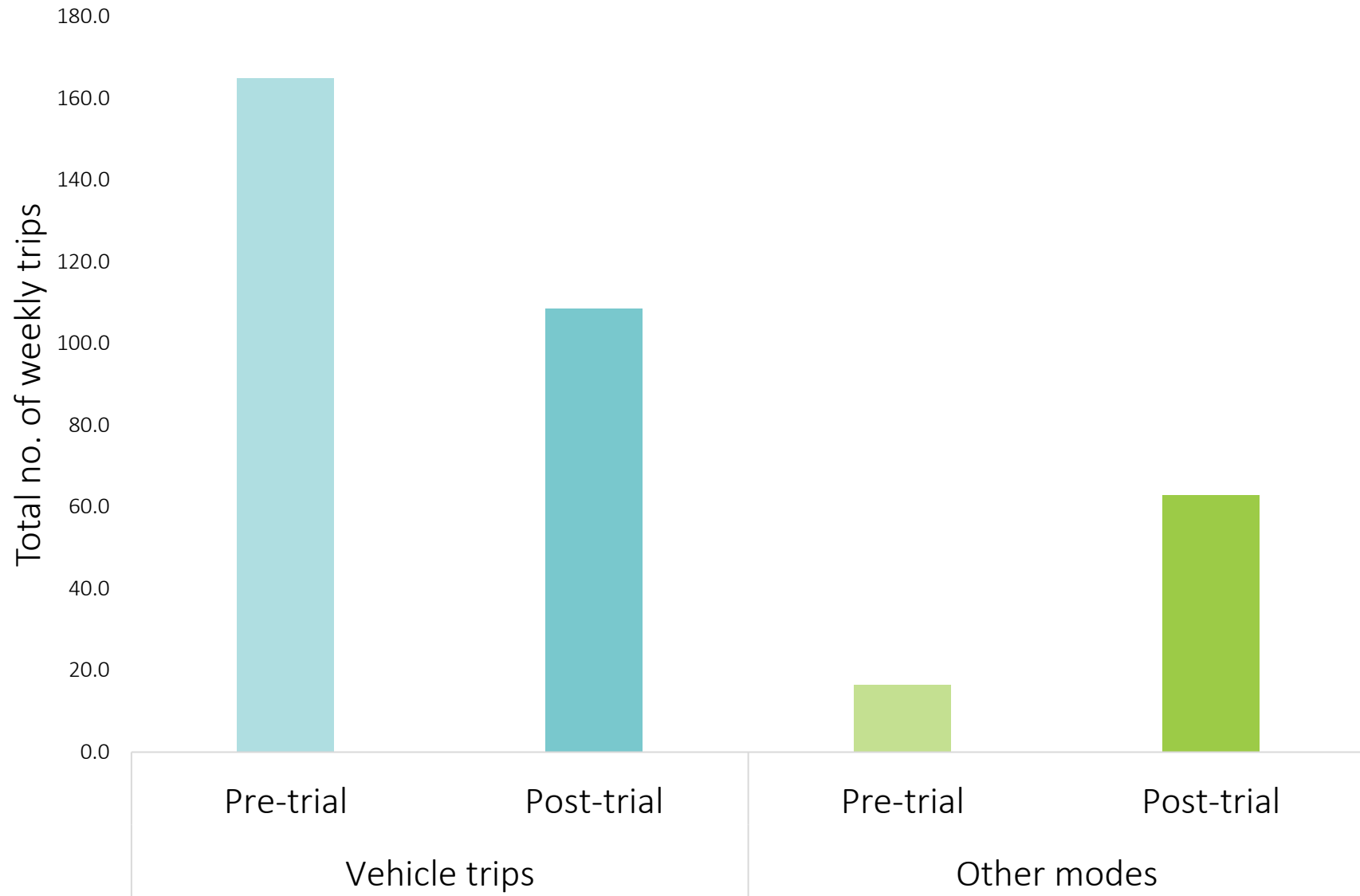
- Broaden participation in ebike use across the Māngere community
- Evaluate use, experience, and readiness to continue through a longer-term trial
- Evaluate the potential of e-bikes to influence travel behaviour
- Identify barriers to accessing, using, and retaining ebikes in Māngere

Māngere Ebike Trial: Trial Design

- 20 ebikes; 2 cargo bikes
- 40 users (2 rounds of 20 people)
- **Wave 1:**
Individuals/Homes
- **Wave 2:**
Businesses, community organisations, schools
- Before and after evaluation

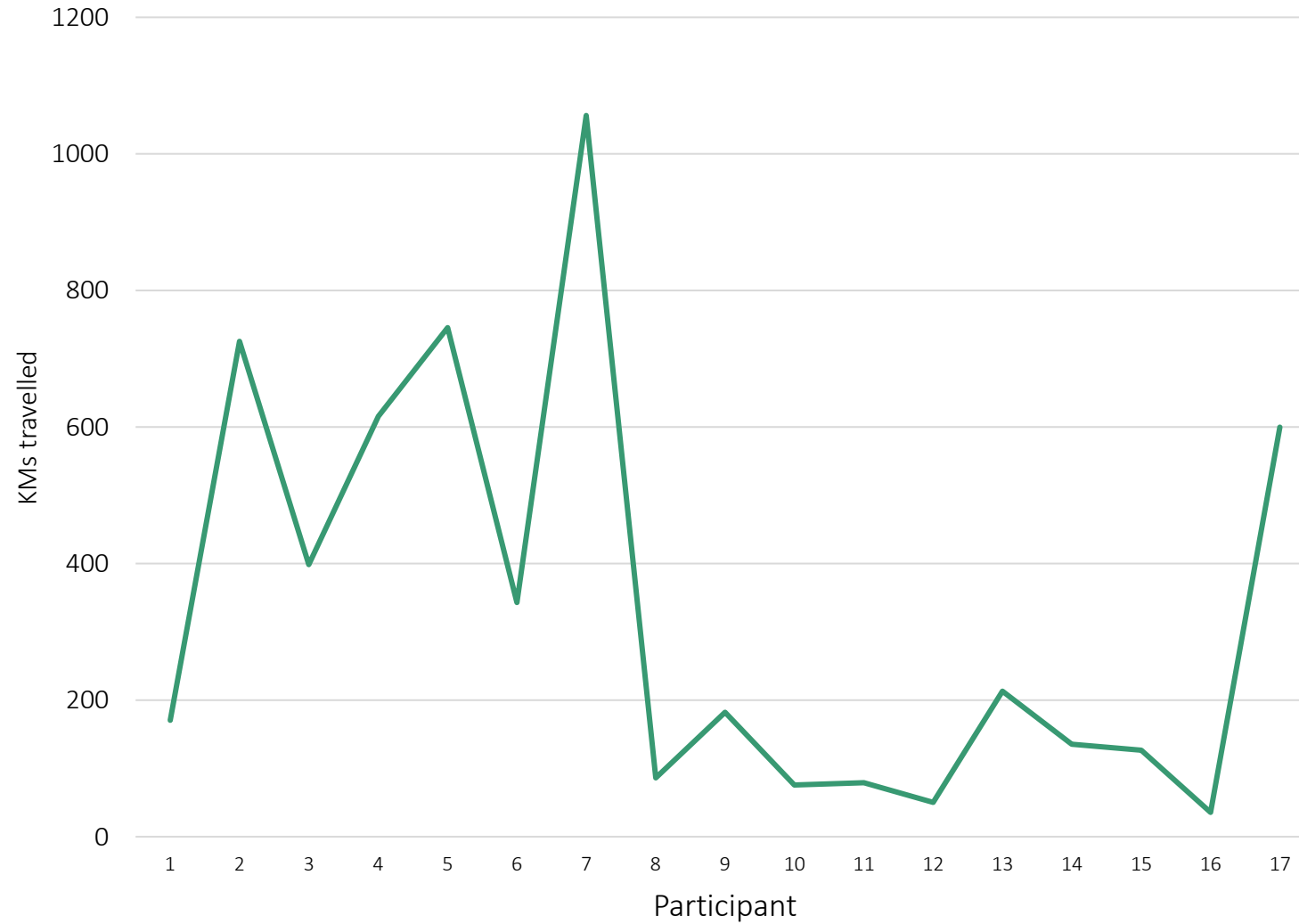


Māngere Ebike Trial: Early Findings



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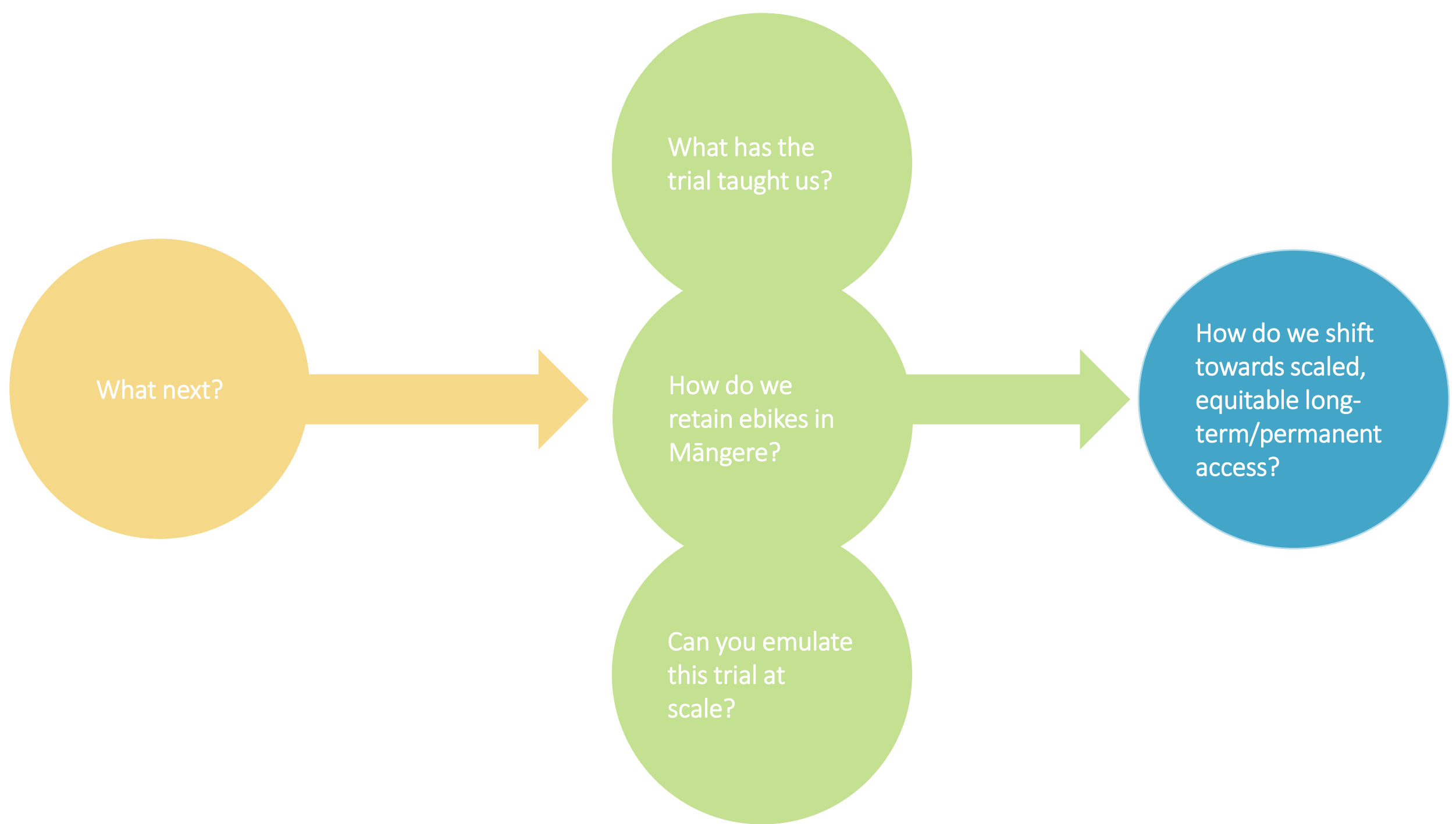
Māngere Ebike Trial: Early Findings





Māngere Ebike Trial: Early Findings

- Growing confidence; Extensive ebike use
- Range of use types
- High demand for continued access; for some, now seen as essential
- High degree of flexibility required
- ‘Trial’ nature may have some challenges
- Importance of Time-To-Thrive as a project partner and local champion



Stage 3?

“Widespread equitable access to ebikes in low-income communities”

- Exploring options for a ‘pathway-to-permanence’ for ebike access in Māngere
- Design and implement an ebike incentive with participants from Wave 1 of the Ebike Trial
- Inform the development of a **national ebike incentive scheme** for low-income communities



Needs to be a whole country effort



ŌCHT Brougham St, Christchurch

Collaboration with other partners and policy-makers

Developing a community of 'ebike trial practitioners' across Aotearoa



Mangere Ebike Trial



HIKO Pilot Project, Wainuiomata

Conclusions

- Overall, there is a high demand for ongoing ebike access in Māngere
- Support from council agencies and a resourced community champion is essential
- Transport justice; ensuring low-income communities are not left behind in the shift towards a sustainable transport system
- Eager to further build our collaborations

Questions?

