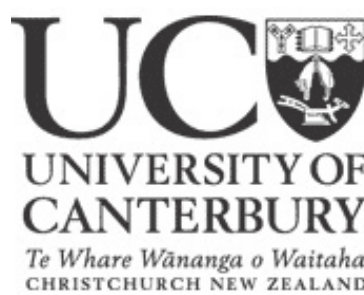


People power:
The path to low carbon transport
18 - 19 March, 2024
Tākina Convention Centre
Te Whanganui-a-Tara Wellington



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NEW ZEALAND



Can residential shared mobility enhance transport equity?

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ŌCHT tenants to get e-bikes and electric cars to use

<https://newsline.ccc.govt.nz/news/story/ocht-tenants-to-get-e-bikes-and-electric-cars-to-use>



Transport research planned

A clutch of communities have a rare chance to be part of some exciting research.



The combined universities research team wants tenants' views on shared vehicles.

<https://www.ocht.org.nz/updates/transport-research-planned>

Aims

- Assess the impact of shared mobility on wellbeing

Methods

Surveys

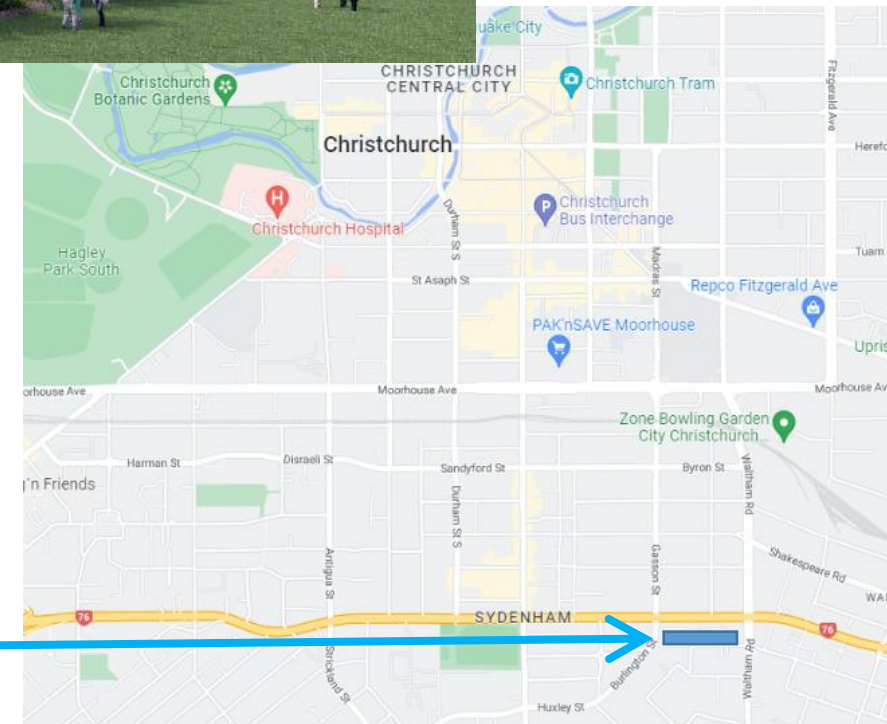
- Three annual surveys (2021, 2022, 2023)
- Around 650 responses in total

Interviews

- Social housing residents
- Stakeholders involved in shared mobility schemes
- Stakeholders involved in urban developments



- Community housing on Brougham Street, Sydenham
- 90 homes including:
 - 70 x 1-bedroom homes
 - 3 x 3-bedroom homes
 - 14 x 2-bedroom homes
 - 3 x 4-bedroom homes
- Shared communal green spaces
- Includes shared mobility
 - e-bikes and EVs
- Opened early 2021
- 60 extra adjacent properties

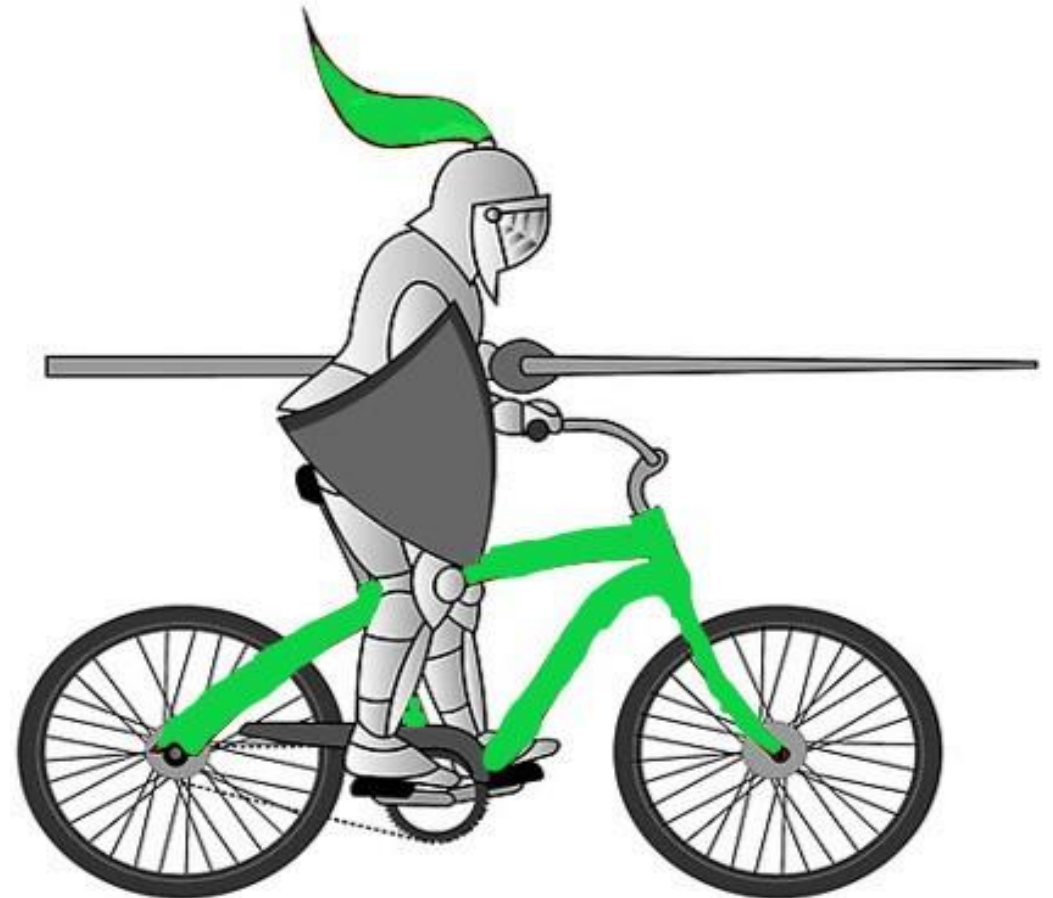






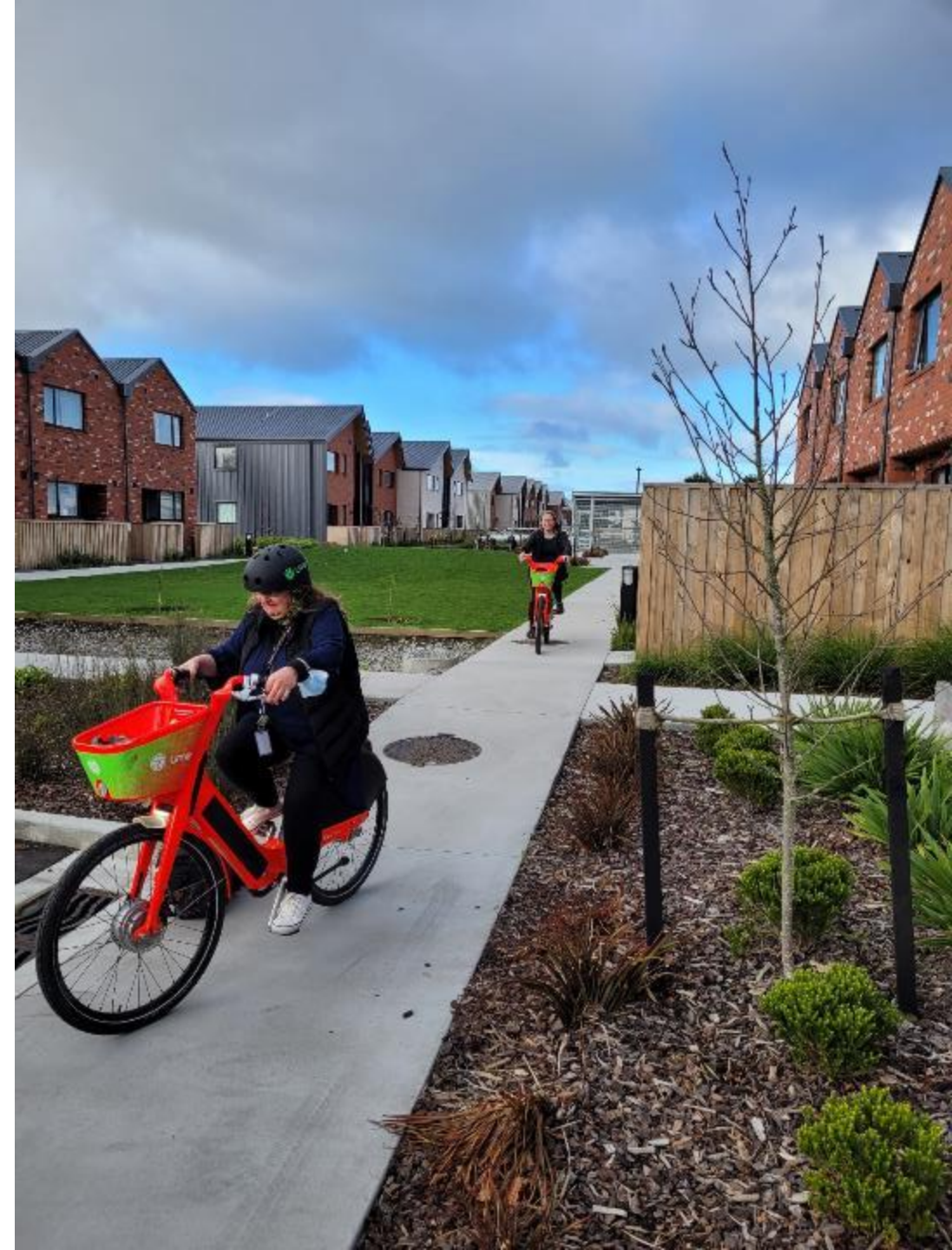
Next

- A knight in shining green



Fortunately

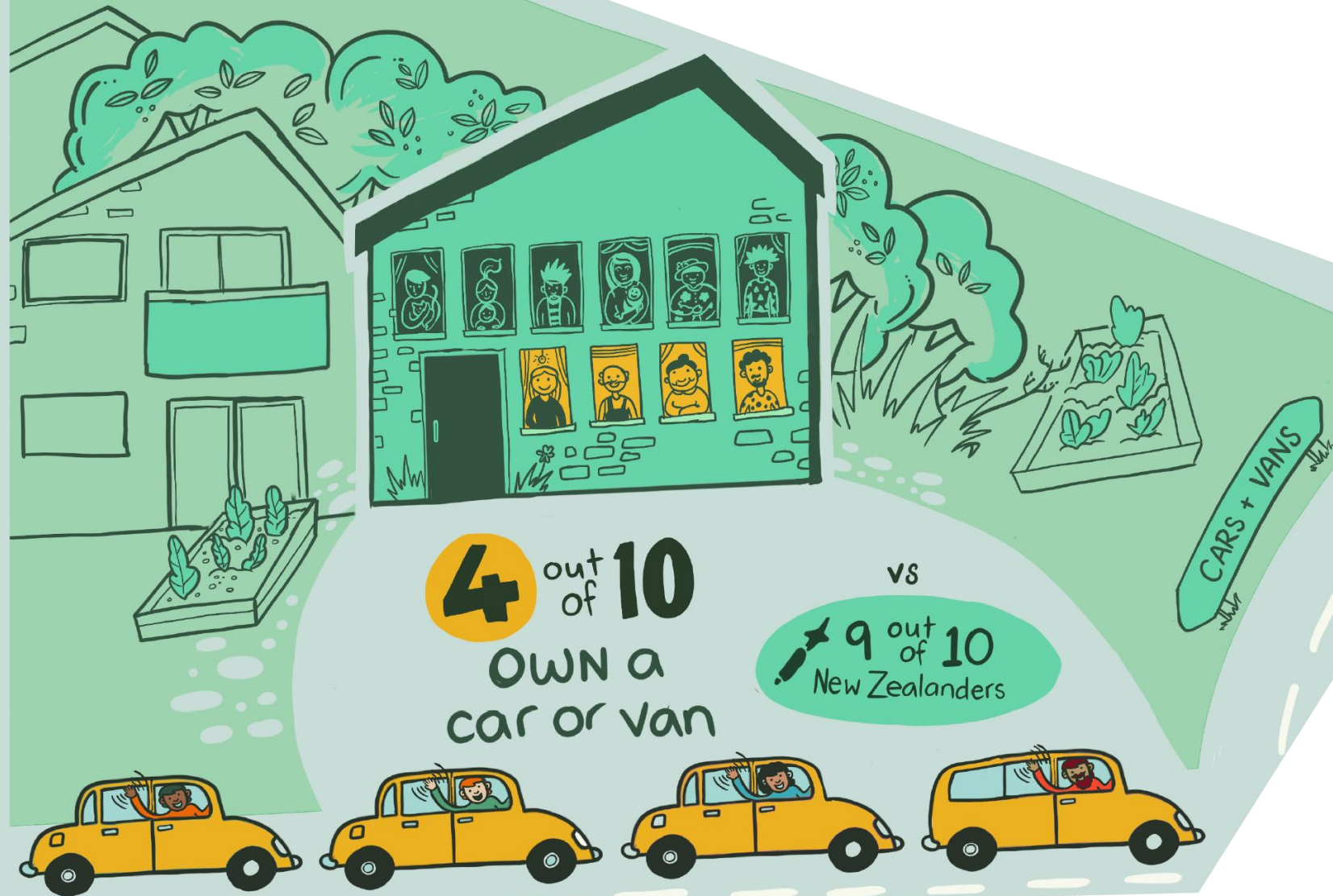
- Free Lime e-Bikes



And shared cars



Mobility



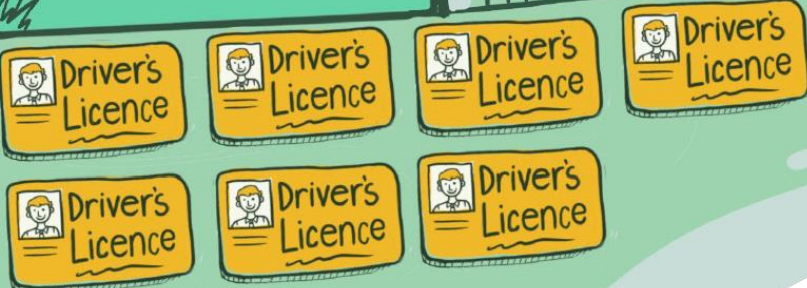
Mobility

7 out of **10**

have one person
in their household
with a



vs
9 out of **10**
New Zealanders



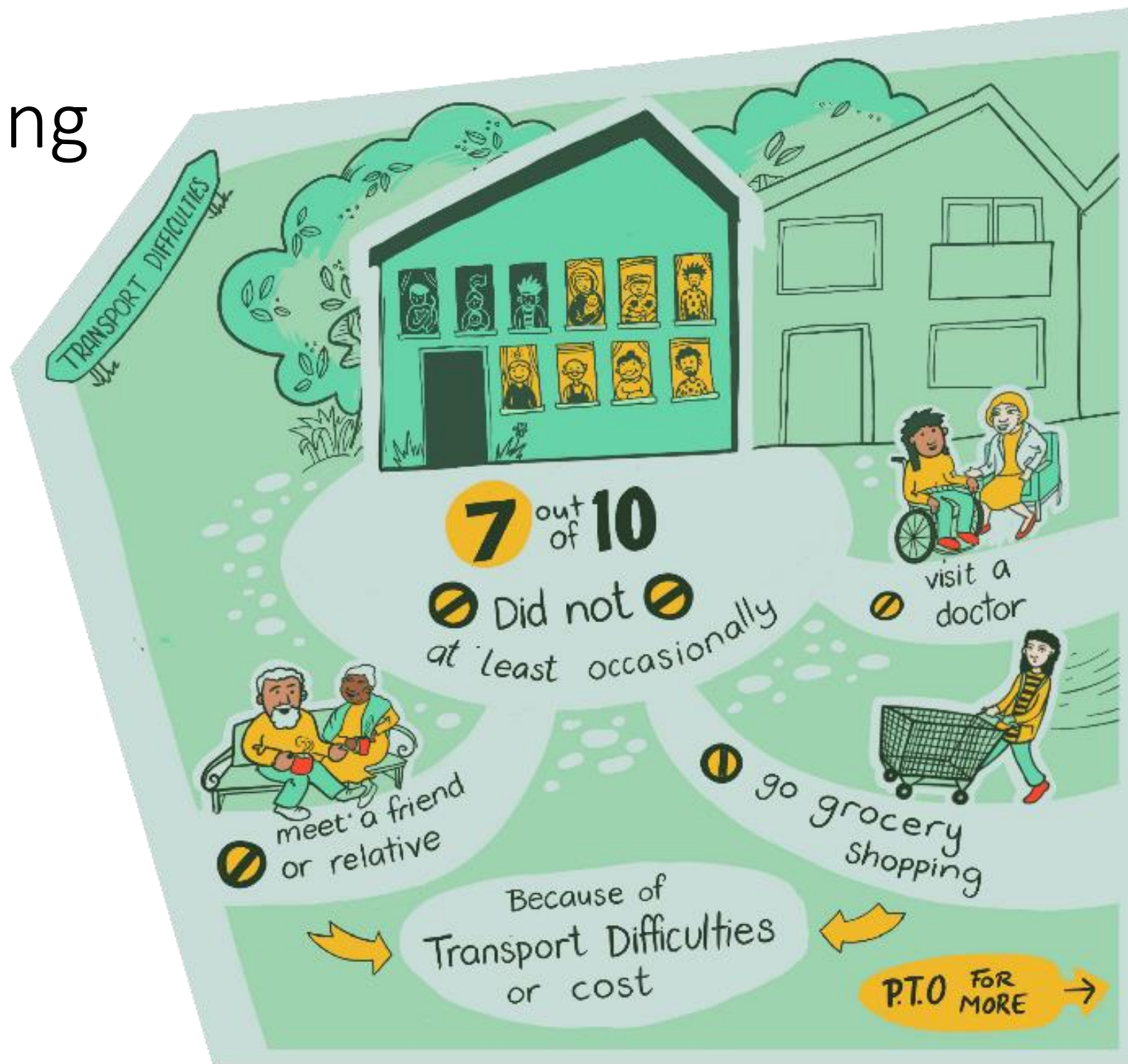
< DRIVER'S LICENCES

Transport poverty

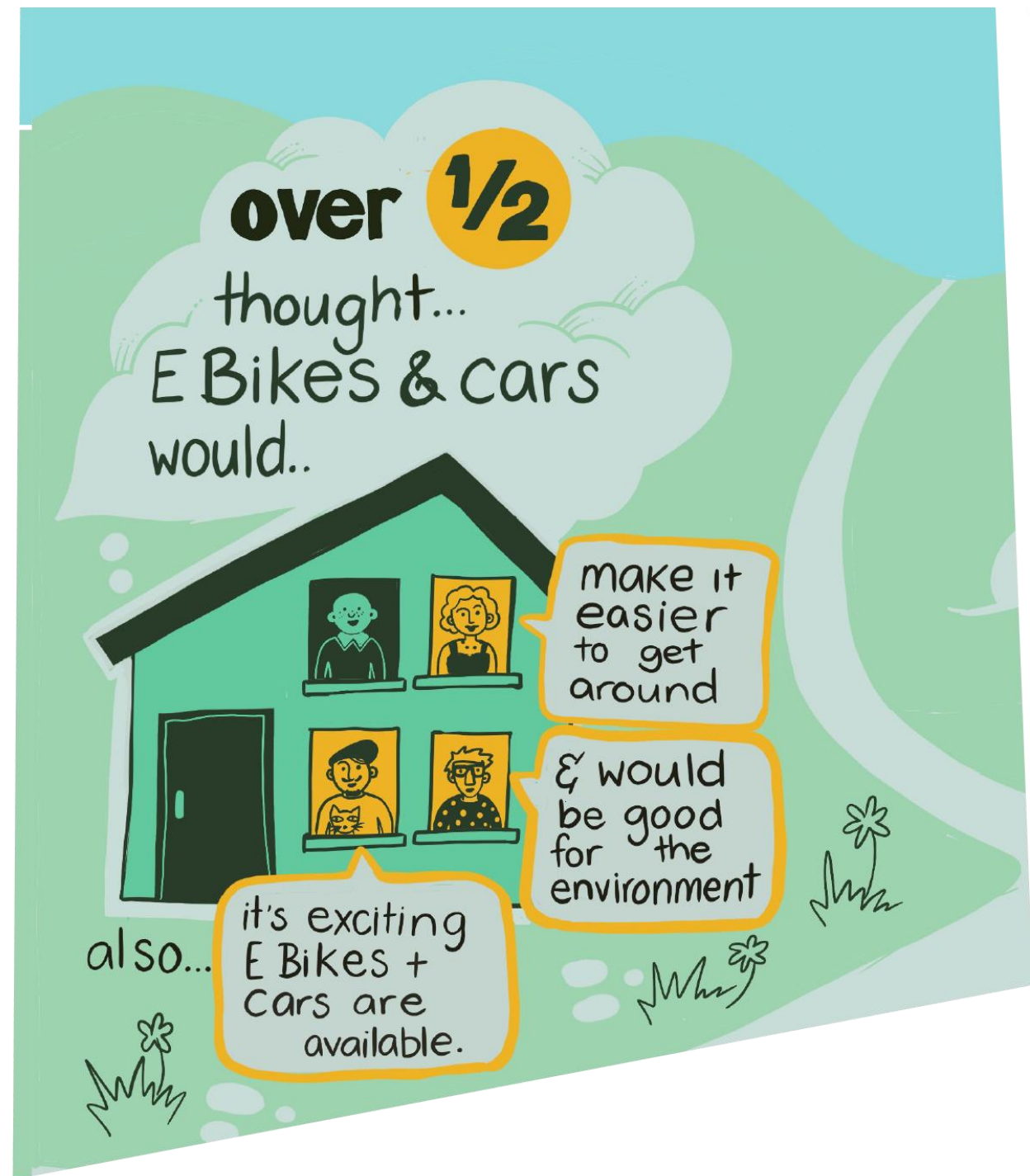
3 out of **4**
PEOPLE
struggled to afford
transport costs
from time to time



Wellbeing



Shared mobility

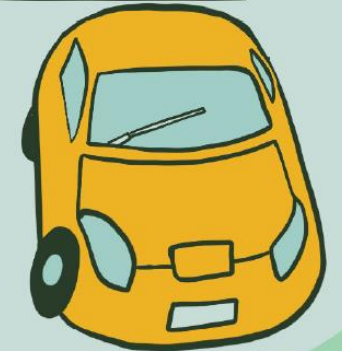


Shared mobility

2 out of **3**
said they would
use the bikes



over 1/2
thought they'd
use the cars



Bike use

- In the 12 months the bikes have been operating:
 - 17 unique users
 - over 2,900 trips
 - totalling over 10,000 kms.
 - The value of these trips, if fully paid, equates to over \$32,000

Access

*Having the e-bike is good because it'll get you a lot of places that I would normally have had to take a bus to in the past and you know, actually paying for **a bus fare in the past was actually quite expensive.** So, I mean it's **opened up a lot of opportunities.***

(Social Housing 3)

“those experiencing transport poverty experience improved accessibility and affordability as a result of half price public transport fares”

Curl A, Coppens A, Dares C, Williman J, Fitt H and Kingham S, 2024, Accessibility and Affordability Impacts of Half Price Public Transport Fares in Aotearoa New Zealand'. *Findings, published Feb 2024*
<https://doi.org/10.32866/001c.92735>

Mental health

*...so it's me getting out on that bike because otherwise **I just sit at home and get upset**. That's why my son got me into a group ride ... he's been living with me and **if he's in a shitty mood, get him on a bike and he's okay you know**. So yeah. And with me, I love it.*

(Social Housing 84)

Community

Participant: I'm really keen on the bikes.

Interviewer: What do you like about the bikes?

Participant: Fresh air, that you can go anywhere a car can't, you know, down the little lanes and things and there's a lot of bike ways around here which I've just been recently made aware of, you can't drive a car to, and I can't wait. Me and my neighbours are going to hook it up and get onto it now that the weather is getting better. I haven't yet but yeah, we're going to.

Interviewer: So you're going to do like group rides and stuff, all together and go explore?

*Participant: Taking all my crackhead neighbours for a ride, get them out in the fresh air and show them what life is about. ... That sounds terrible I know but it **might give them some kind of inspiration to get healthy again** you know.*

(Social Housing 76)

Tensions

*I should be able to use it and it just annoys us, this one lady was saying it's their shed and it's not their shed and you know, anyone can use it and yeah, she's just making it it's their shed and it's not their shed. ... With all this **conflict** that's going on, I just don't....like I don't mind riding the bikes but I don't feel...like my neighbours, we **don't feel comfortable** going in and out of [that shed] because of what's going on.*

(Social Housing 45)

Findings

- Improved accessibility
- Benefits for mental health
- Increased community interaction, cohesion, and hopefulness
- Few, but regular, users
- Tensions between users

In summary

[e-bike] has made a big difference to my life.

(Social Housing 31)

Coming to a screen near you



Thanks

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