

TODAY AND TOMORROW

TRANSFORMING PUBLIC TRANSPORT

A Bay of Plenty Regional Council Research Project

ENGAGING ELDERS IN TRANSPORT PLANNING.

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2019

PRESENTATION PURPOSE

Follow up to BOPRC Public Transport Committee presentation

- **Policy Logic**- role of BOP Regional Transport Committee progressing a shared agenda with Government.
- **Relevance** of research outcomes - growth, rapid ageing, patronage, congestion. Alignment with GPS and BOPRLTP strategic drivers
- **Transformation** – GPS policy alignment - Blueprint – rapid transit commuter and transitional urban services – cultural change, modal shift, reducing dependency and improved wellbeing
- **UFTI opportunity** to develop an integrated programme
 - spatial planning and multi-modal transport transformation
 - population wellbeing- Living Standards Framework

A TRANSPORT SYSTEM THAT IMPROVES WELLBEING AND LIVEABILITY

The transport outcomes framework identifies transport's role in shaping well-being



5 outcomes areas

Well-being is at the core, along with liveability (as transport strongly shapes places)

Aligns with Treasury's Living Standards Framework

TALKING ABOUT TRANSPORT

The research is a peek into Elder travel behaviors, travel preferences, perceptions of current provisions and the changes needed to make public transport more accessible and convenient.

PROJECT OBJECTIVES:

- To talk to mature and older people about transport issues.
- To canvas current and future transport planning challenges.
- To understand the perspectives of older and older-old people towards public transport and barriers to increased patronage
- To gain more information to further align 'fit for purpose' public transport provision to the needs of increased longevity, wellbeing, safety, accessibility and connectivity.

It is time to transform public transport services

The number of people 75 years and older

in the SmartGrowth region

will increase by

229%

2016-2036

Elders are the largest potential public transport consumer group

Statistics NZ projections.

PROJECT STRATEGIC RELEVANCE

This research helps to inform policy, so that the needs of an ageing population are not neglected in the planning and decision-making processes that are happening now

Opportunity for Public Transport transformation to:

- Maximise wellbeing social capacity value through investment in public transport accessibility and infrastructure to improve convenience and connectivity, to reduce the cost of elder dependency, carbon footprint, congestion and optimize silver economic sustainability.
- Integrate three megatrend actions- deliberate linked efforts on climate change, population-ageing and fourth industrial revolution.
- Respond to rapid and long-term population-ageing transport demand in a context of safety, accessibility, technological innovation and enhanced social connectivity.
- Transition to a wider framework for PT patronage, and community connectivity aligned to GPS & wellbeing with

urgent input into:

“A public transport implementation plan is being progressed with Tauranga City Council, Western Bay of Plenty District Council and NZ Transport Agency to achieve the desired outcomes from the Blueprint. Implementation of the Blueprint is a near-term project for the Urban Form and Transport Initiative” Phizacklea. May 10 2019 BOPRC PT Report

RESEARCH METHODOLOGY

- The qualitative and quantitative enquiry asked a sample of mature, older, and older-old people, about current mobility behaviors, preferences, about places of travel, and their experience using public transport.
- A focused literature review, four focus groups, a focus group, interviews, and questionnaire were undertaken.
- As key stakeholders they were also asked about barriers that limit their use of public transport, what infrastructure could be improved, and what they thought might influence their benefit as passengers from future use of emerging technologies in safe, accessible, demand responsive, mobility as a service, efficient transportation and possible planning processes.

LONGEVITY AND RAPID AGEING IN THE BAY OF PLENTY

POPULATION 75 YEARS AND OVER SIZE AND GROWTH 2016-2036

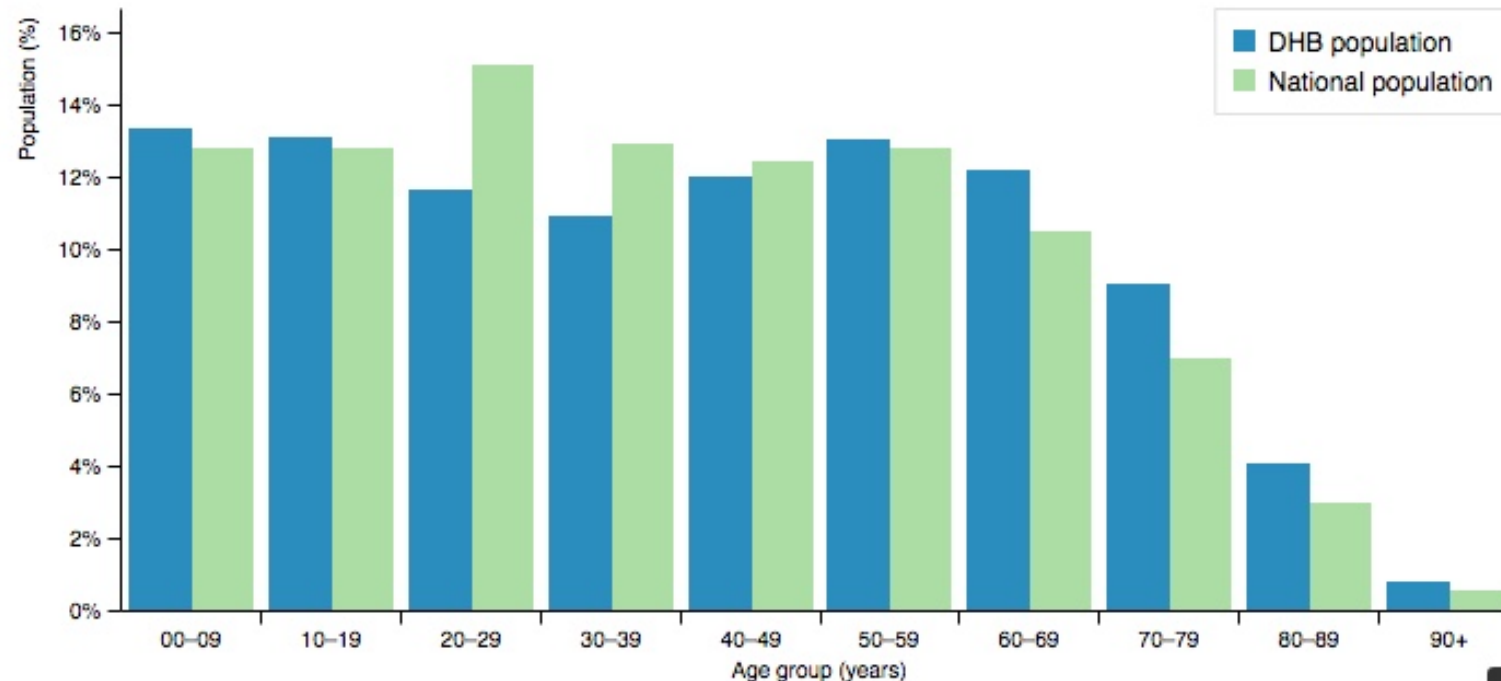
As people age their ability to participate in social, economic and cultural life is increasingly influenced by the built environment and transport systems.

Area	2016	2036	Growth 2016-2036	% Growth 2016-2036	% Growth per annum
BOP	19,690	39,600	19,910	101%	3.6%
SmartGrowth	16,080	32,800	16,120	229%	7.8%
Tauranga	12,230	23,700	11,470	93%	3.4%
Western BOP	3,850	9,100	5,250	136%	4.4%
Kawerau	510	700	190	44%	1.8%
Whakatane	2,420	5,000	2,580	109%	3.7%
Opotiki	680	1,100	420	59%	2.3%
BOP DHB 2018/19	13.1% 70+				
Lakes 2018/19	11.9 %70+				

BAY OF PLENTY POPULATION OLDER

Population by age, 2018/19

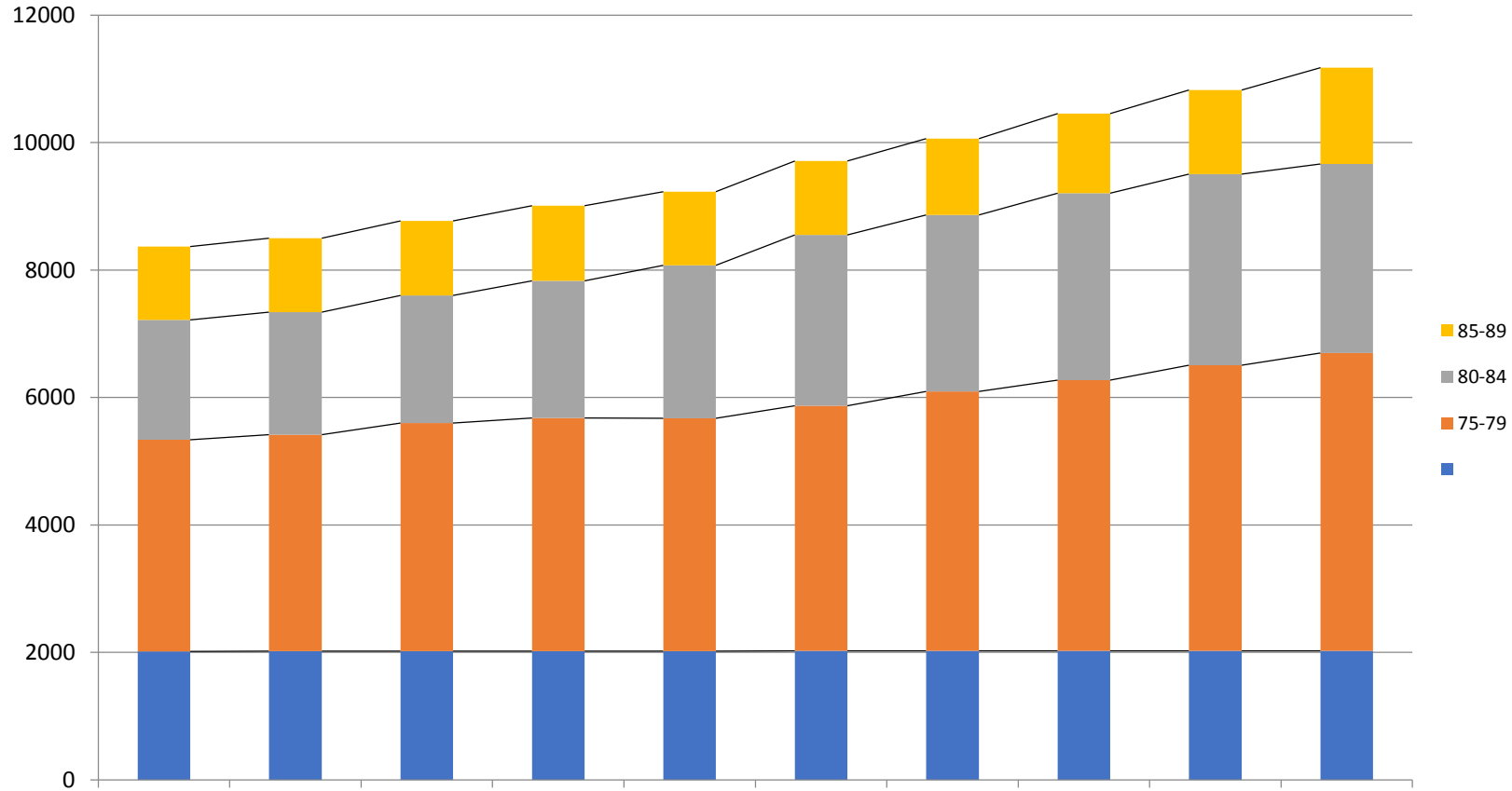
Bay of Plenty's population tends to be older than the national average.



[View table data source](#)

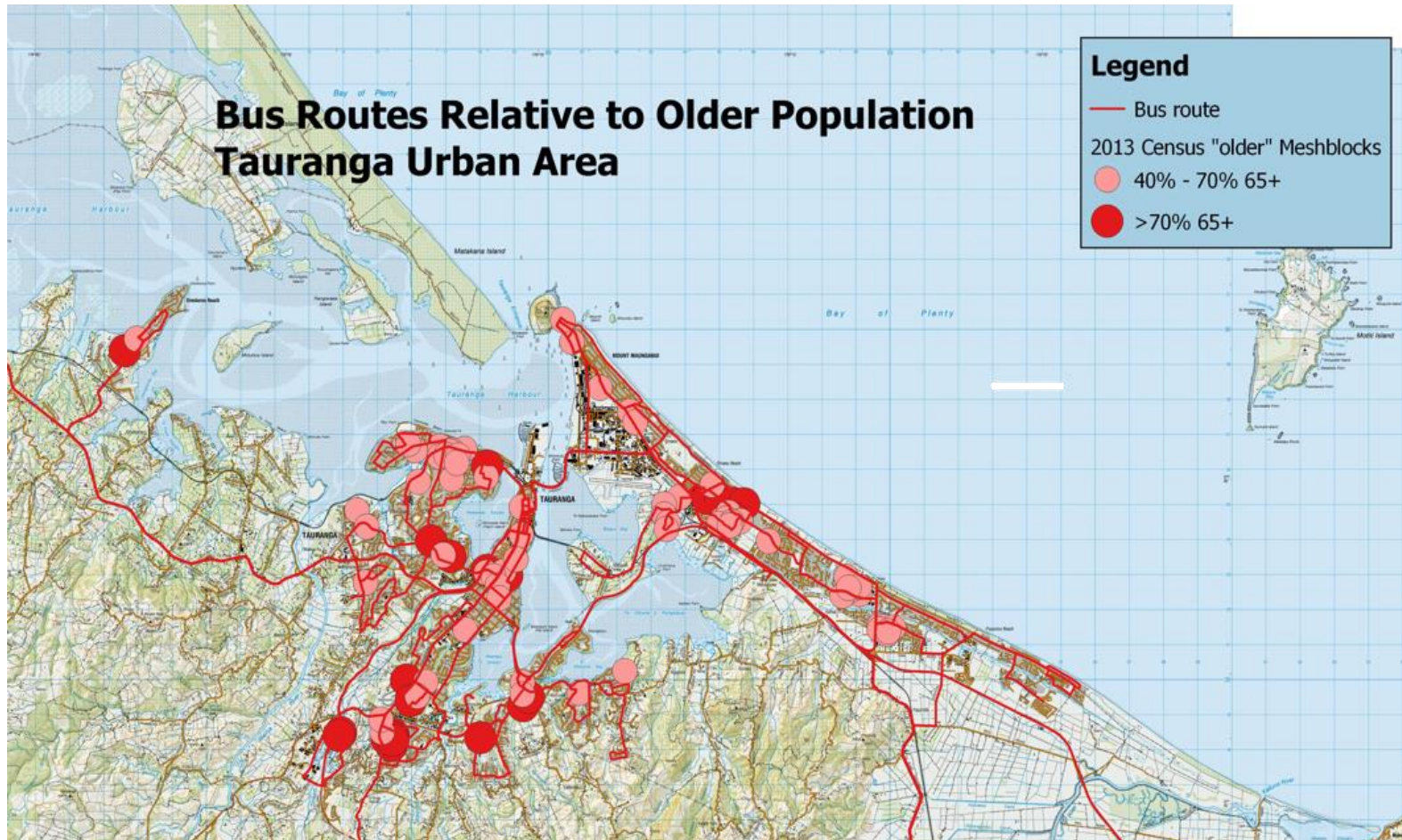
LAKES POPULATION OLDER

Lakes Over 75 population



DEMOGRAPHIC DEMAND

There are more grandparents than grandchildren



Rapidly ageing communities.

- By 2020 Tauranga will be home to 11,500 Elders over 75yrs
- Many communities now have 70% of Elders over 70yrs today.
- Most will seek multi-modal options

INSIGHTS

What did Elders say about the public transport environment?

The research survey and engagement processes told us that they seek:

- Better public transport infrastructure, bus shelters, seating, signage, footpath safety.
- Connectivity to places they want to go
- To share their views and be listened to.
- Single routes with no transfers
- Improved bus accessibility and comfort
- Smaller more convenient buses or community shuttles. bus to Airport
- Courtesy and kindness
- Drivers who know the route
- Park and ride places
- All time access to Super Gold Card
- Readable bus signage and timetables.
- Better management of disruptions
- Safety and security

CULTURAL IDENTITY

Most older people who drive a car prefer to continue for as long as possible, because it is part of their cultural lifestyle and the landscape of their living environment.

Participants indicated:

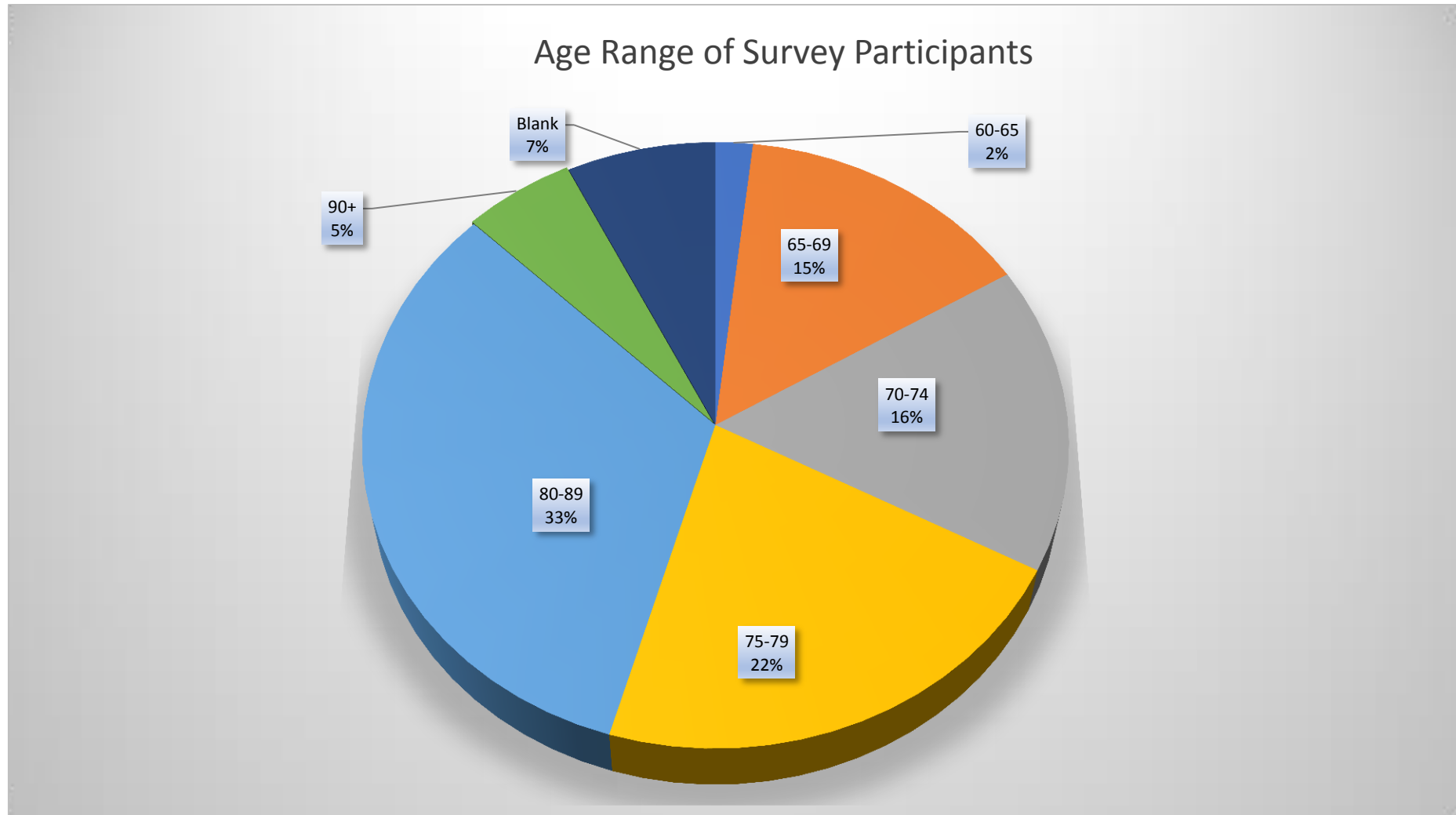
- Real interest in using buses if convenient and accessible
- Issues with transfers, buses and infrastructure
- Openness to explore future options
- Willingness to play an active role in planning processes.

Have you considered coping without a car?

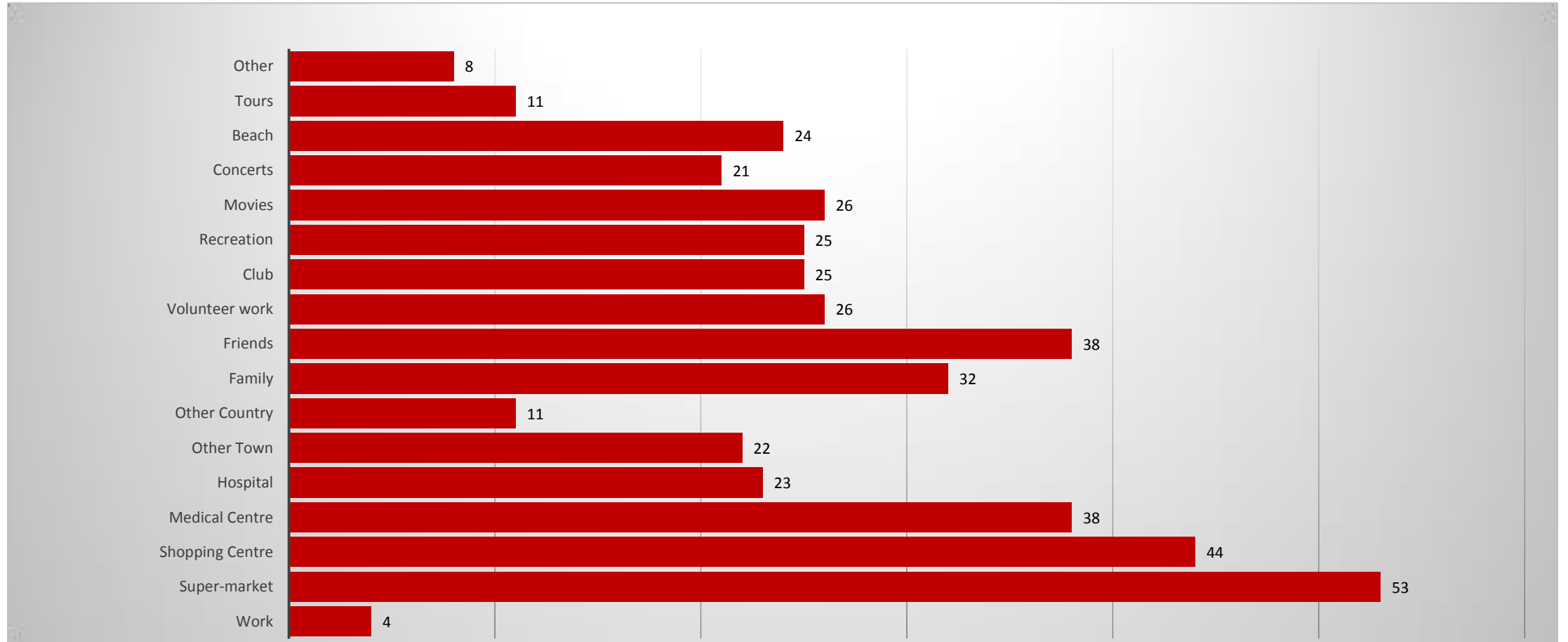
PARTICIPANT AGE RANGE

60% OVER 75 YEARS 38% OVER 80 YEARS

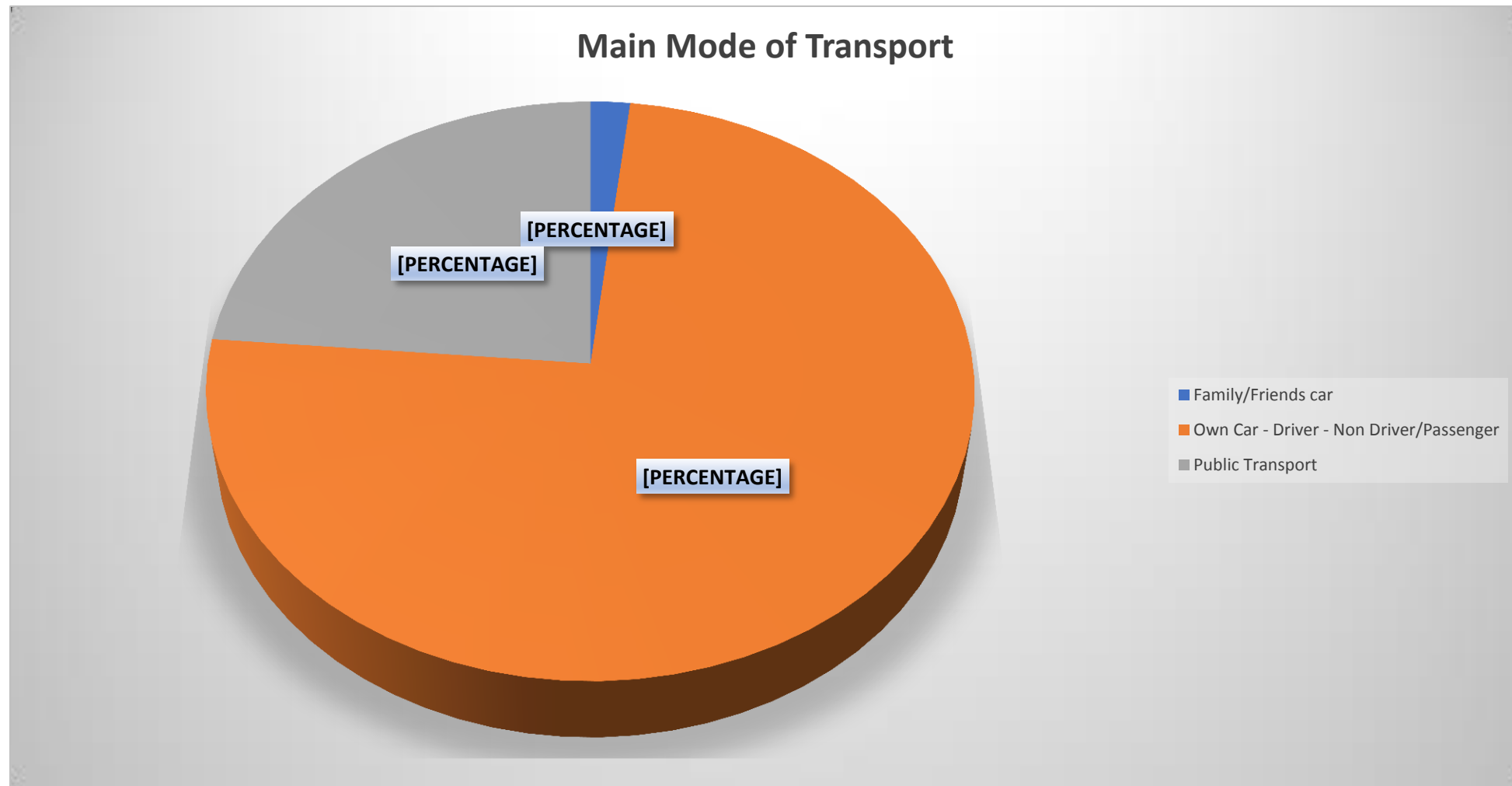
55 questionnaires were analysed



ELDER INSIGHTS: MAIN TRAVEL DESTINATIONS



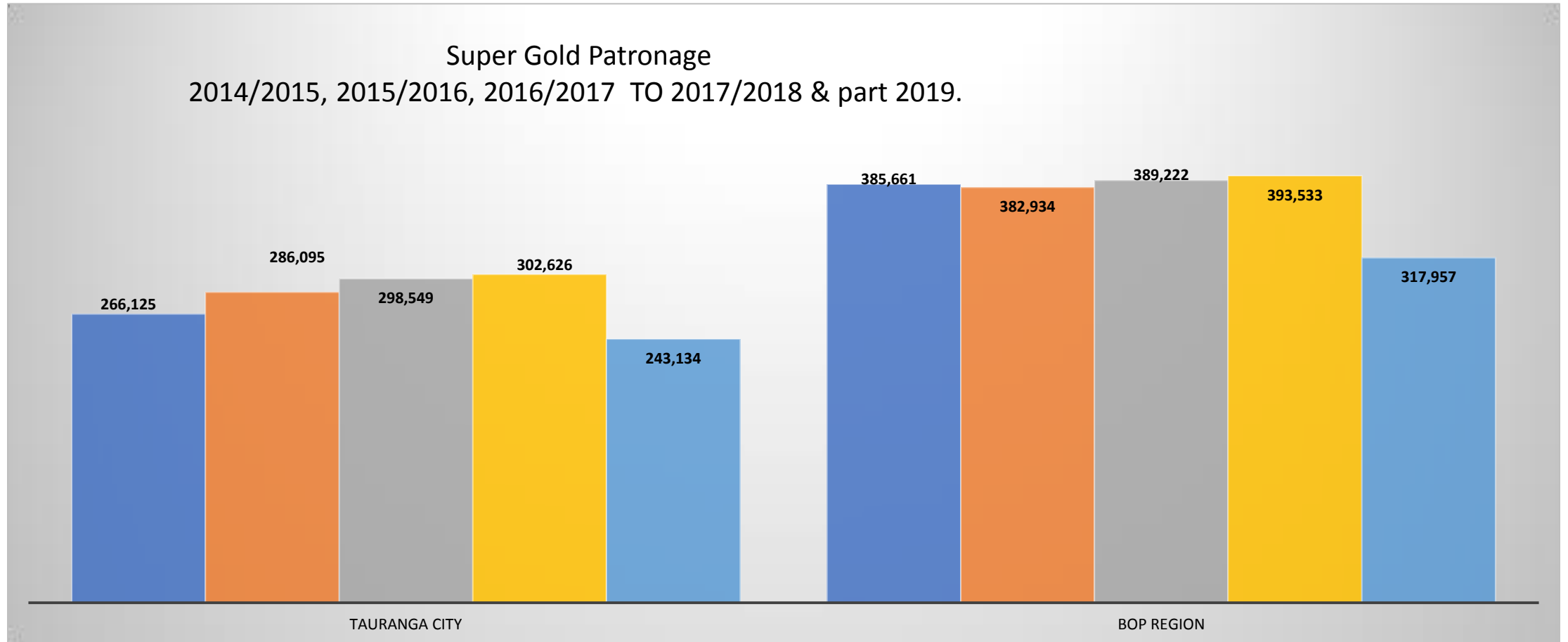
ELDER INSIGHTS: MAIN MODE OF TRANSPORT



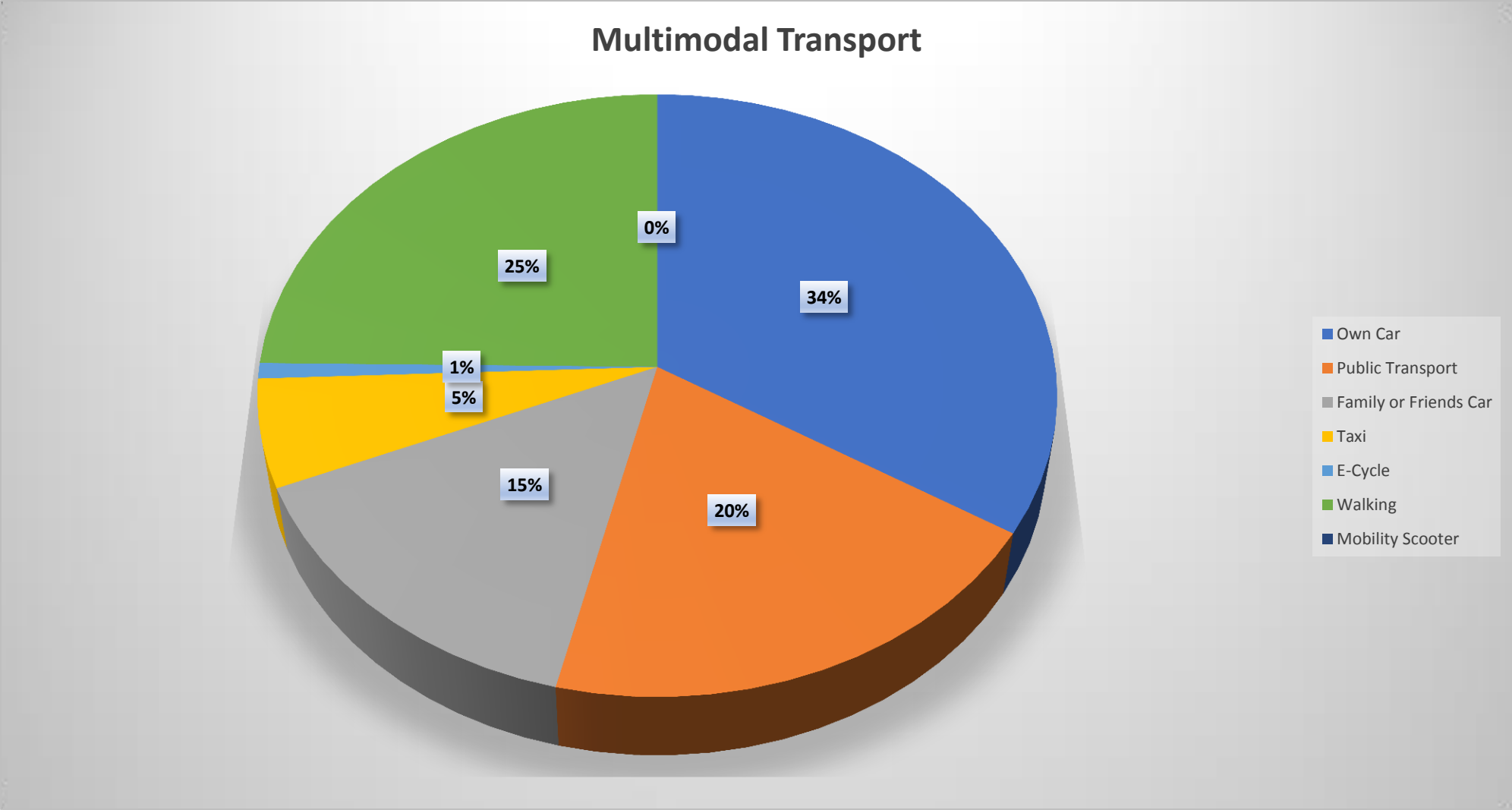
SUPER GOLD CARD PATRONAGE

2014/2015, 2015/2016, 2016/2017 TO 2017/2018, 2018 & PART 2019
BOPRC DATA

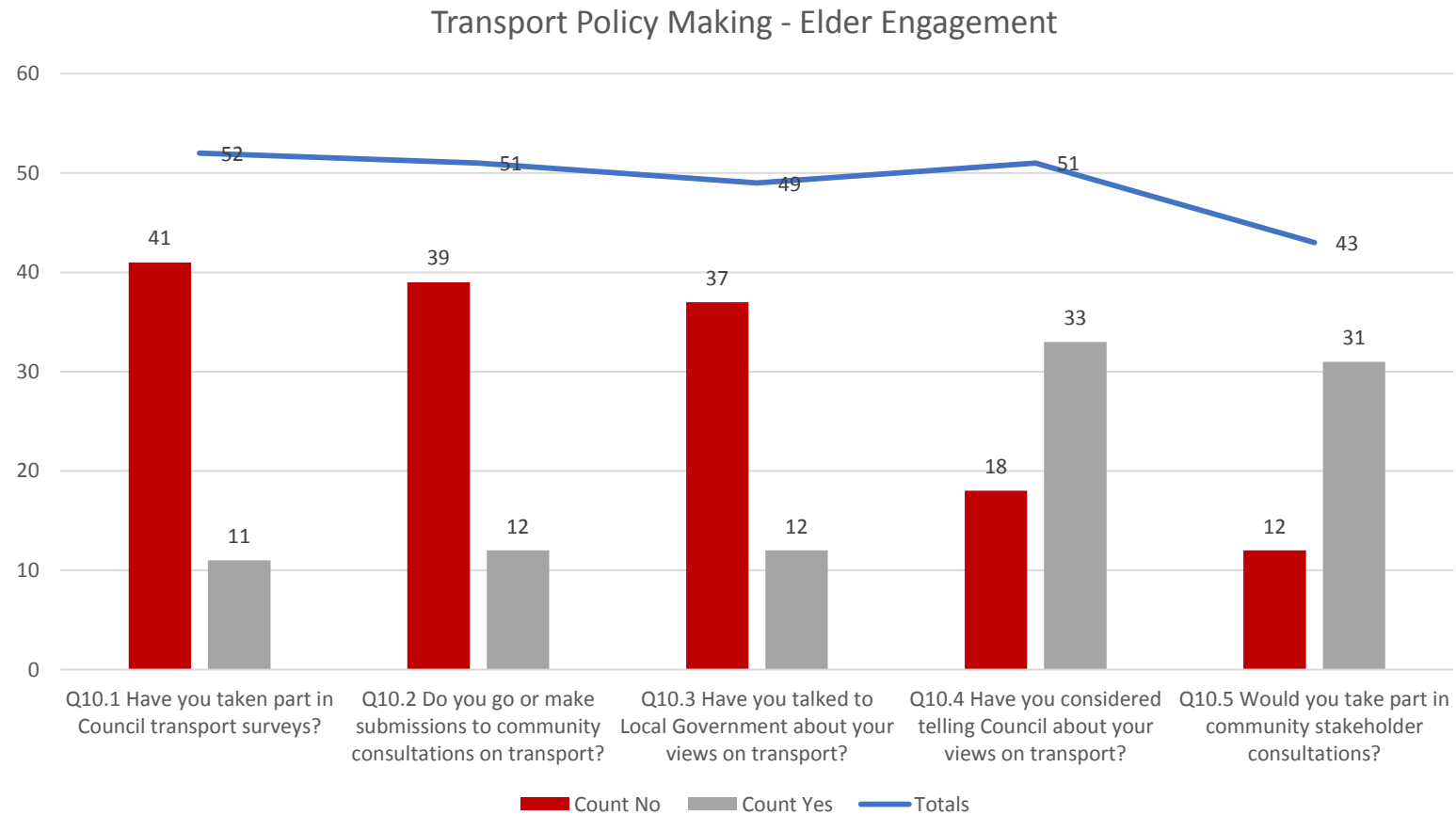
Patronage is not relative to population growth and structural ageing.



ELDER INSIGHTS: MODES OF TRANSPORT USED



ELDER INSIGHTS: POLICY AND PLANNING



ISSUES TODAY

It is relevant to acknowledge the strengths and limitations of the current 'transit' model of public transport provision.

BOPRC reporting March 2019 "Public Transport trips per capita continue to decrease."

- Key routes have more frequent bus services
- Community connectivity and accessibility is not well served
- Infrastructure planning and budgets have failed to deliver
- The lives and basic needs of older people have not been sufficiently considered.
- BOPRC promised remediation of routes, it hasn't happened.
- Demographic transformation and social equity issues demand new responses and sincere engagement to meet GPS goals.
- Technological advances in transportation offer accessible opportunity. New ways of delivering evidence based public transport are needed to increase patronage and maximise a new mobility culture.
- The timing is right, the Government policy platform is right, it is right and responsible for the Bay of Plenty Regional Council to take action now to **be innovative in transitioning** delivery of public transport services.
- Everyone knows that the decision-making process is too slow and cumbersome.
- There is a big issue of public trust in Local Government.

TRANSFORMING THE VIEW SHAFT

Tauranga is experiencing a transportation crisis

THE COMMUNITY HAS HIGH EXPECTATIONS FOR A MAJOR CHANGE IN DECISION MAKING OUTCOMES

- Innovation is vital to transition public transport policy and accessible services
- Transportation is shifting into a digital on demand era of shared mobility.
- There are significant fiscal, demographic, technology and climate change imperatives.
- Public transport will need to serve increasing numbers of vulnerable older people
- Understanding the longevity needs of Elders, means understanding accessibility and long term sustainability.

INNOVATION - THE WORLD'S FIRST

ACCESSIBLE, COGNITIVE, SELF DRIVING VEHICLE HAS ARRIVED

Automated vehicles could contribute to the wellbeing of an ageing population by providing mobility and enduring social, cultural and economic participation.

OLLI is a fully accessible, self-driving, 3D printed, efficient cognitively interactive, electric bus that carries 12-16 passengers

“If a passenger has a medical problem or there’s a safety issue, Olli will call the authorities or drive itself to a hospital or police station” It even reads sign language

OLLI took 55,000 passengers in a recent World Economic Forum, Boston City, Boston Consulting Group study.



ADVANCING AGENDAS - TODAY AND TOMORROW

Please decide today to begin a transformative process

Because Elders said the current provision is *“not convenient and does not go where we need to go.”*

- ❑ A future focused public transport service requires transformative multi- modal transport planning and a tolerant re-thinking of strategies, policies and resource use to provision a transportation plan and service that is people-centred, safe, **accessible**, inclusive, efficient, affordable, **convenient** and acceptable.
- ❑ **An urban community linked ‘micro-transit’ public transport service (smaller buses or shuttles) will compliment key transit routes, increase patronage and reduce congestion.**
- ❑ Convenient connectivity, will be more accessible, reduce cost and parking, provide social and economic wellbeing and urban community service sustainability.

We need to envision a desirable future, and start to navigate our way through the transition.

CONCLUSION

It is clear that a profound transformation of the transport system is required to provide a sustainable, integrated, technology led, people focused age-friendly and accessible public transport services in liveable urban environments.

OVER 20,000 BOP ELDERS TODAY – TOMMOROW 40,000 ELDERS 75+ WILL NEED MOBILITY SERVICES IN 2036

- Given Bay of Plenty and WBOP evidence: demographics, public transport patronage, traffic congestion, the carbon catastrophe, it is both timely and responsible to recognize global innovation, and the need to **evolve and transition** public transport services.
- A clear vision for our transportation future is needed now to:
 - Adapt plans and utilize resources for new PT services. **PT commuter plus PT community**
 - Mobilise community engagement (TTAP) in planning to deliver safe, efficient and accessible public transport initiatives.
 - However, like Mersi MOT, the community says, “ *We cannot wait thirty years.*”

BAY OF PLENTY REGIONAL TRANSPORT COMMITTEE

Given BOPRC PT Committee recognition of the *Today and Tomorrow* report actions to grow public transport patronage, enhance safety, well-being, sustainability, community connectivity to meet ageing community demand and key PT objectives

KEY ACTIONS: THAT BOPRTC

1 Commend that UFTI consider: complimentary urban, community focused “micro-transit” public transport services to compliment key transit routes to:

INCREASE PATRONAGE AND ADDRESS CONGESTION

Recognising potential changes to the Western Bay Public Transport Blueprint, and Bay of Plenty Regional Land Transport Plan to achieve Government funding support.

2 Support further investigation of the public transport needs of ageing communities in the Bay of Plenty region.

There is potential for BOPRC to grow regional PT patronage and improve spatial planning for community social and economic sustainability by meeting rapid ageing community connectivity needs in the wider regional centres, Western Bay of Plenty, Whakatane and Rotorua.

Thank you for supporting this project.

The insights shared, and today's transportation decisions and investments will significantly impact on the wellbeing environments of tomorrow.

I wish to acknowledge support for this presentation from the Tauranga Moana SmartGrowth Tangata Whenua Collective and the Tauranga Transport Alignment Programme

TODAY AND TOMORROW: TRANSFORMING PUBLIC TRANSPORT FOR AN AGEING POPULATION

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2019

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It is time to transform public transport services

The number of people 75 years and older in the Bay of Plenty

2016-2036 will increase by a total of

441%

the SmartGrowth sub-region will increase by

229%

Elders are the largest potential public transport consumer group

Statistics NZ projections.