

COLMAR BRUNTON A Kantar Millward Brown Company

Table of contents

Introduction, objectives and methodology	3
Summary of key findings	6
How prepared are New Zealanders?	13
Do New Zealanders know what to do in an emergency?	19
Barriers	25
Triggers	40
Communications	46
ShakeOut and TsunamiWalkOut	49
Information sources	53
Ensuring resilient communities	56
What do people think when they think 'disaster'?	58
Appendix	61



INTRODUCTION, OBJECTIVES AND METHODOLOGY







Introduction & Objectives

The Ministry of Civil Defence and Emergency Management commissioned this research to understand the state of preparedness for a disaster amongst individuals and households in New Zealand.

The specific objectives of the research were to:

- Identify the level of preparedness amongst New Zealanders and their households. In particular if they've taken any steps to prepare or plan for emergencies in the last 12 months.
- Determine if New Zealanders know what actions to take during or following an earthquake or other disaster, particularly if they are near the coast.
- Find out the awareness and participation in ShakeOut and the TsunamiWalkOut.

Methodology



In total, 1,031 telephone interviews were carried out, with New Zealanders aged 15 and over, from 14 May to 23 June, 2019.

This year half of the interviews were conducted by calling landline telephones (531 interviews) and half were conducted by calling mobile telephones (500 interviews). Prior to 2019 all interviews were conducted by calling landlines. The impact of this change is described on the following page.

The maximum margin of error is +/- 3.1 percentage points at the 95% confidence level (for a simple random sample).

The overall results have been weighted to 2013 Census figures to align the data with Census counts for age and gender.

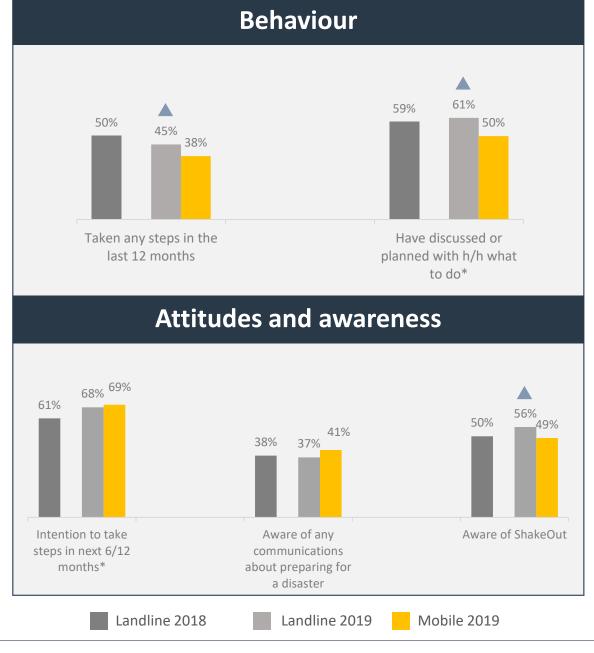
Notes for reading the report: Throughout the report the term 'New Zealanders' is used to refer to those 15 and over who currently live in New Zealand.

Impact of methodology change

As noted on the previous slide, the interviewing approach and sample frame changed this year to include mobile numbers. This change was made in recognition of the declining incidence of landline telephones (particularly amongst younger New Zealanders) and the need to make sure the sample is representative of all New Zealanders aged 15+.

Changing the sample frame means caution needs to be taken when comparing the 2019 results to previous years. This is particularly the case with behaviours – as the mobile sample is less likely to have engaged in preparedness behaviours than the landline sample (see chart on top right). This means that the combined landline and mobile sample will show a decline in overall behaviour compared to last year simply because of the change in method.

The impact of the method change on attitudinal and awareness measures is less clear. As the chart to the bottom right shows in some cases the mobile sample are stronger attitudinally and more aware, and in some cases they aren't.



SUMMARY OF KEY FINDINGS







Level of preparedness

Nearly nine in ten New Zealanders have taken at least one action to be prepared for an emergency – they're most likely to have emergency supplies available, such as spare food, toilet paper, torch, spare batteries, etc. Furthermore, a quarter are fully prepared at home.

Level of preparedness

Understand



Have a good understanding of what the effects would be if a disaster struck in their area

Done at least one action*



Household discussed or planned what to do in a disaster*, and/or

Have stored at least 9 litres of water for each household member*, and/or

Have emergency supplies, e.g., spare food, toilet paper, torch, spare batteries etc*, and/or

Have a getaway bag with emergency items*

Prepared at home*



Household discussed or planned what to do in a disaster*, and

Have stored at least 9 litres of water for each household member*, and

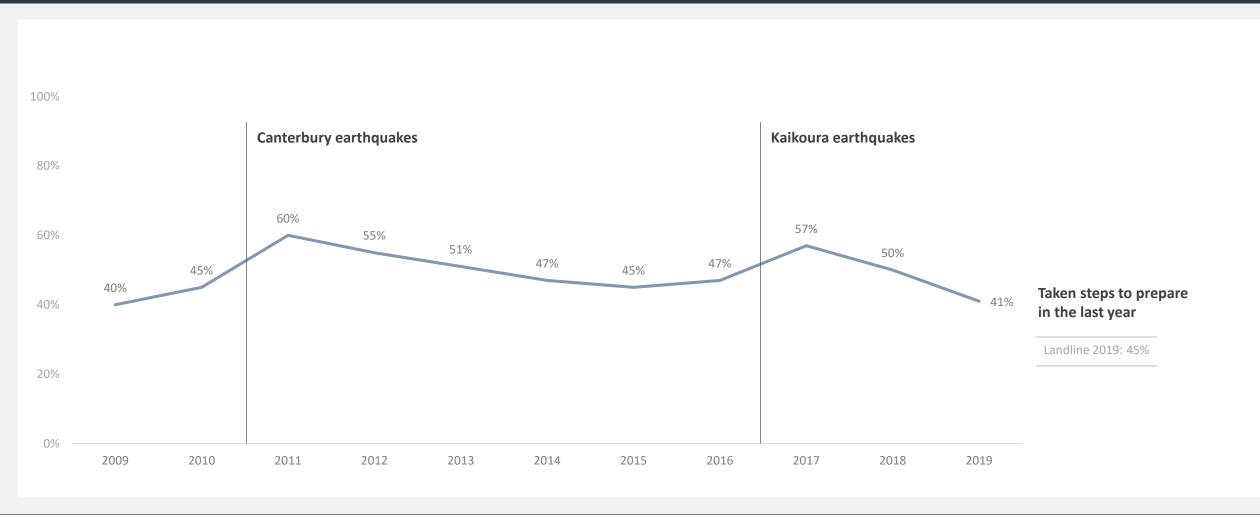
Have emergency supplies, e.g., spare food, toilet paper, torch, spare batteries etc*, and

Check emergency survival items at least once a year*

Actions taken to prepare in the last year



The number of New Zealanders who've taken steps, or further steps, to prepare themselves or their household for a disaster in the last year has declined. As shown in the chart below, a major event provides a strong catalyst to take additional steps and as the time increases since an event, the number of people taking action declines.

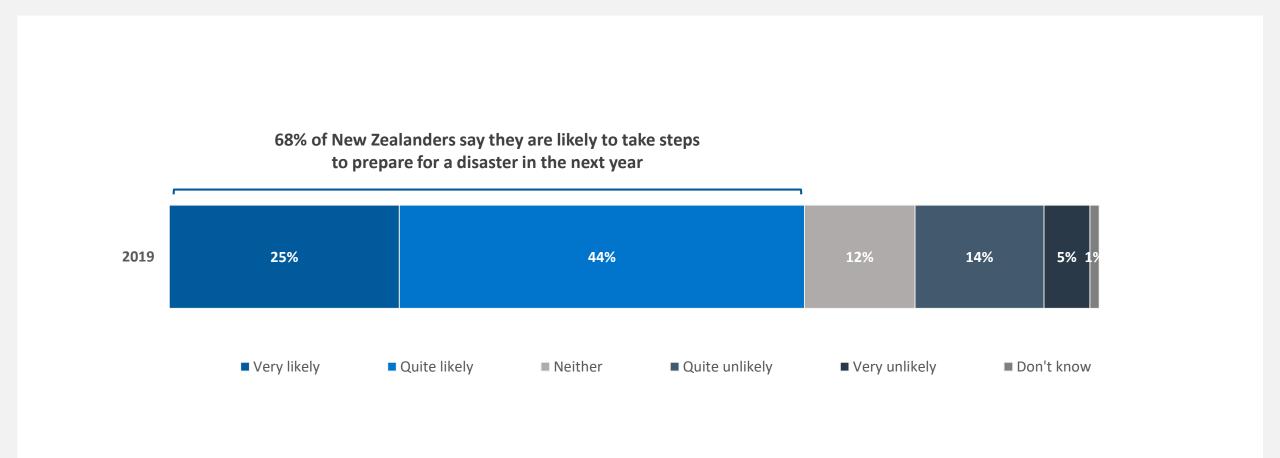




Likelihood to Prepare

er **1**

New Zealanders do though have strong intentions to do something to prepare in the next year. Two thirds say they are likely to take some action over the course of the next year





Barriers and triggers to preparing

The research explored the incidence and impact of eight barriers to preparedness. When we assessed the incidence of each barrier (% of who have the barrier) by its impact (strength of its effect) two barriers were determined to be high priorities to address and a further two barriers were determined to be secondary priorities.

We also explored the incidence and impact of three triggers. Two were determined to be effective motivators to get people to act.

Priority barriers



Lack of knowledge (affects 29%, high impact)

• Lack of knowledge of how to prepare is a significant barrier for many New Zealanders



Optimism (affects 23%, high impact)

 Believing it's unlikely they will ever be involved in a disaster prevents many New Zealanders from being prepared

Secondary barriers



Likelihood of event (affects 45%, medium impact)

• New Zealanders who do not think about what disasters could occur in their area are much less likely to prepare



Effort (affects 29%, medium impact)

 The perceived effort of preparing is enough of a barrier to deter many New Zealanders from taking action

Effective triggers to encourage preparation



Social norm – what friends and family think (impacts 67%, high effect)

 New Zealanders are more likely to take action to get prepared themselves if they perceive that their friends and family think it's important to be prepared



Family concern (impacts 52%, medium effect)

 Thinking about what will happen to their family in a disaster is a relatively powerful trigger for motivating New Zealanders to prepare for a disaster

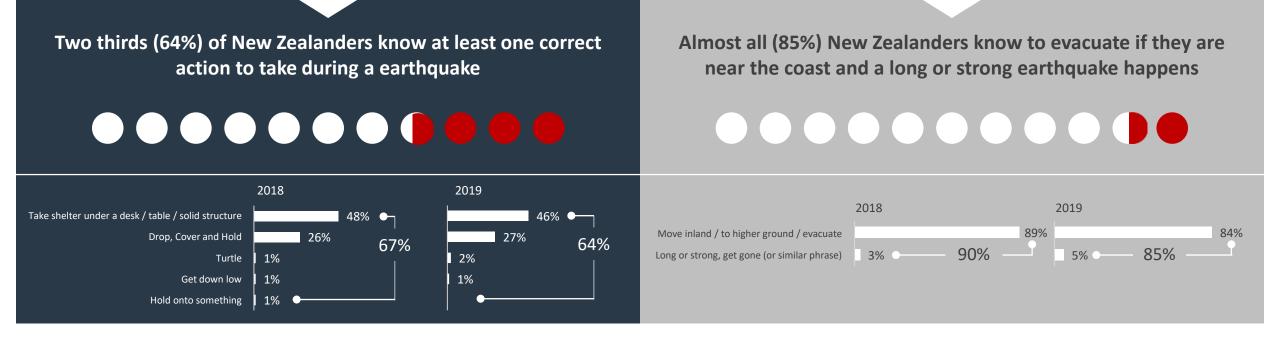


Knowledge

Most New Zealanders know what actions they should take in an earthquake or tsunami. Slight declines are visible from 2018 but the majority would know what to do to keep themselves safe





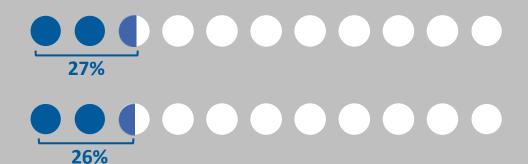




Participation in ShakeOut and Tsunami Hīkoi



Around a quarter of households took part in last year's ShakeOut.



of New Zealanders have ever participated in

of New Zealanders either took part themselves, or someone else in their household did, in <u>last year's</u>





of those aware of ShakeOut and who live or work in a Tsunami Evacuation Zone took part in Tsunami Hīkoi



Preparedness

How prepared are New Zealanders?



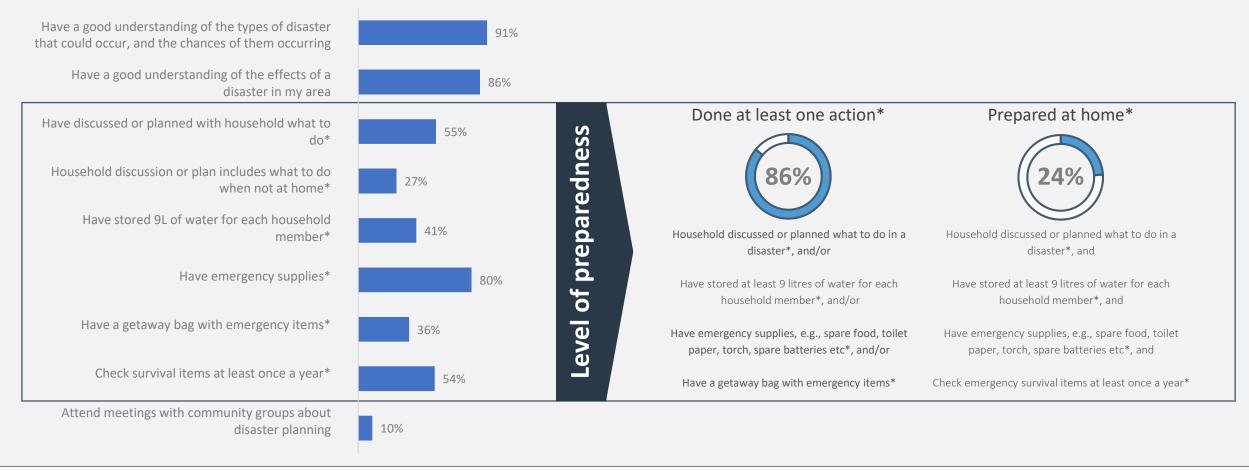




Total level of preparedness

Eighty-six percent of New Zealanders have taken at least one action to be prepared for an emergency. They're most likely to have emergency supplies such as spare food, toilet paper, torch, spare batteries and so on.

Actions taken:

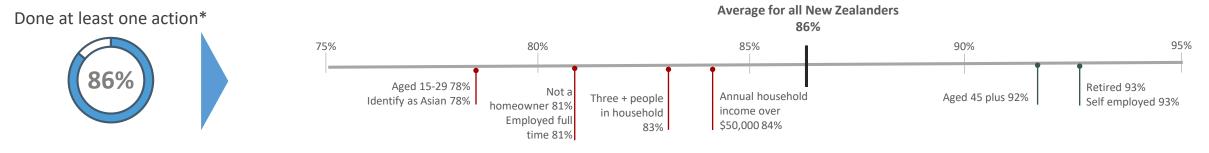




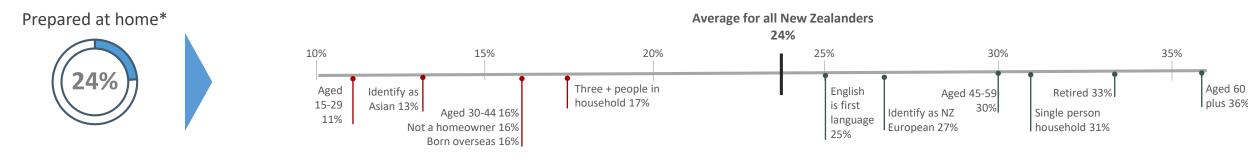
Who is least likely to be prepared?

In general younger New Zealanders, and/or those who identify as Asian are less likely to be prepared.

The following groups are less likely than average to have done at least one action for preparedness: younger New Zealanders, those who identify as Asian, employed full time, not a homeowner, or live in a larger household.



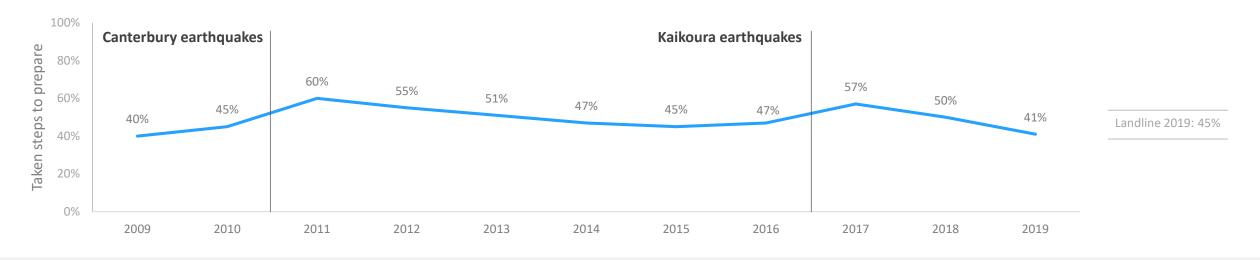
The following groups are less likely than average to have done at least one action for preparedness: younger New Zealanders, those who identify as Asian, employed full time, not a homeowner, or live in a larger household.



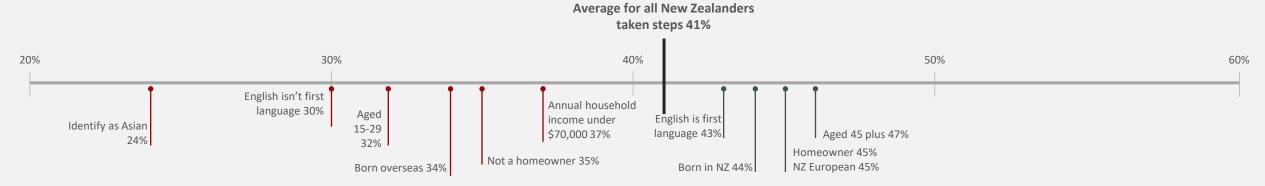


Taken steps to prepare in the last year

Six in ten New Zealanders haven't taken any steps, or additional steps, to prepare for a disaster over the last year. This decline in new actions following a peak after a major event is a typical pattern.



The following groups are less likely than average to have taken steps to prepare for a disaster in the past six months: those who identify as Asian, English isn't their first language, younger New Zealanders, or those born overseas.





Likelihood of preparing

However, New Zealanders have good intentions. Just 1 in 5 say they <u>aren't</u> likely to take steps to prepare for a disaster in the next year

44%



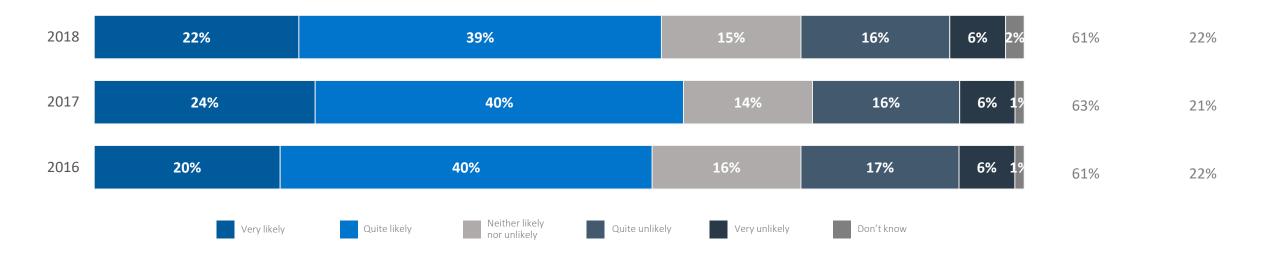
Likely to Unlikely to prepare

prepare

5% 14%

68% 19%

Q. How likely or unlikely are you to take [further] steps to prepare for a disaster in the next six months?





2019

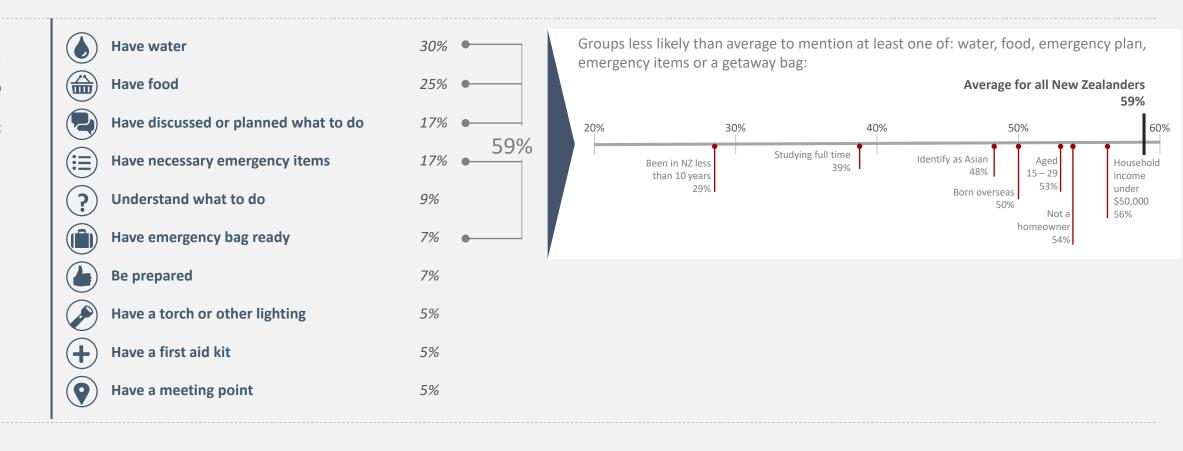
25%

12%

Top 10 things to do to be prepared

New Zealanders believe the most important things they can do to prepare for a disaster is to have food and water

Top ten perceived actions to be prepared:





<u>Knowledge</u>

Do New Zealanders know what to do in an emergency?



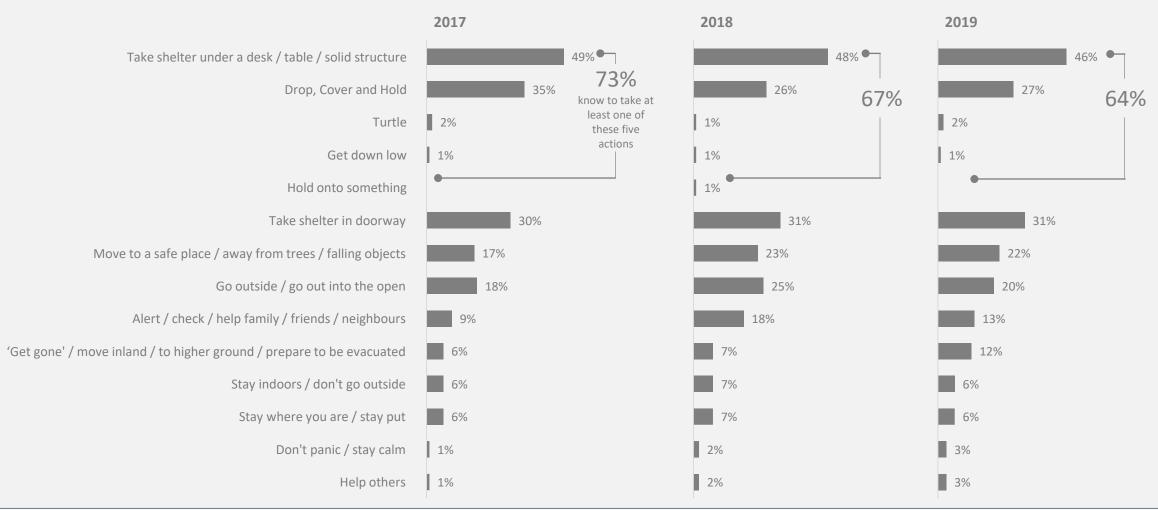




Actions to take during a strong earthquake



Sixty-four percent of New Zealanders know what to do during a strong earthquake. This level of knowledge has been declining since it peaked after the Kaikoura earthquakes.

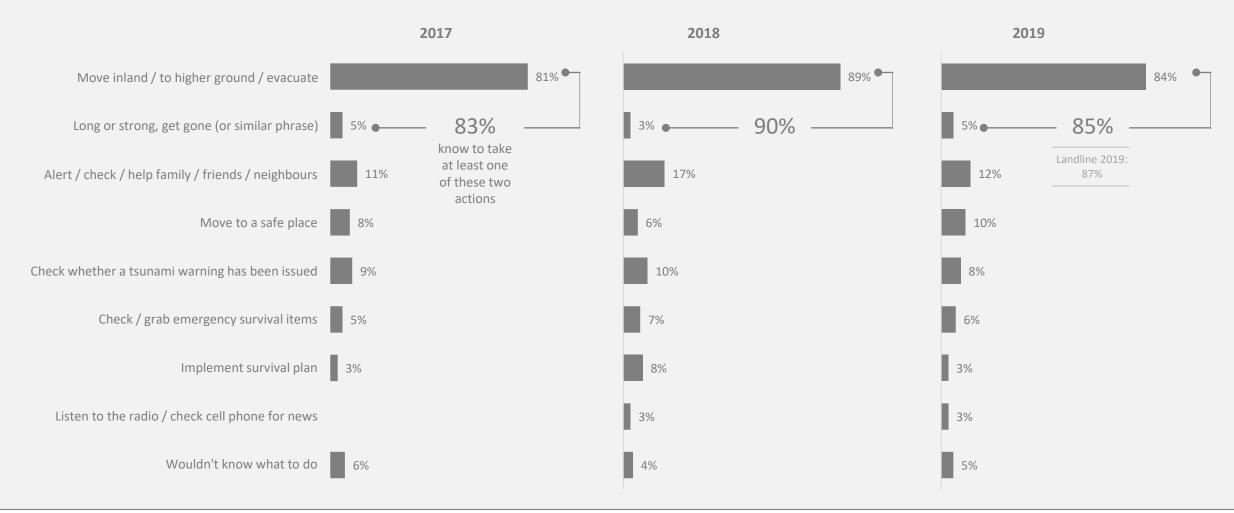




Actions to take when near the coast and a long or strong earthquake happens



Most New Zealanders know they need to 'Get Gone' if they are near the coast and a long or strong earthquake happen



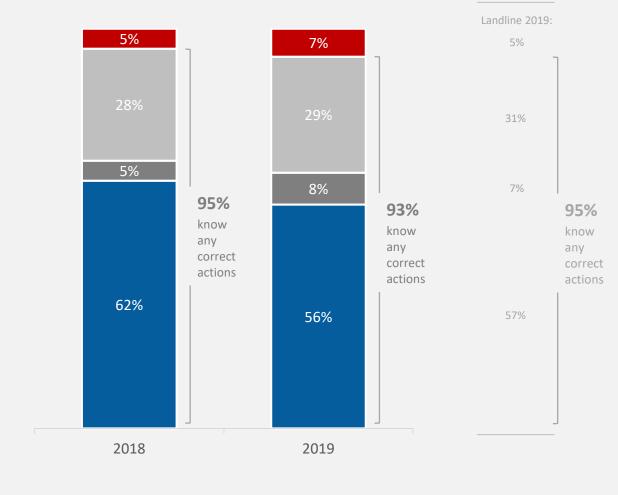


Knowledge that will keep New Zealanders safe during and following a strong earthquake

Just over half of New Zealanders know what to do during an earthquake and know what to do following a long or strong earthquake



- Know at least one correct action to take during a tsunami threat but don't know a correct action to take during an earthquake
- Know at least one correct action to take during an earthquake but don't know a correct action to take during a tsunami threat
- Know at least one correct action to take during an earthquake and at least one correct action to take during a tsunami threat

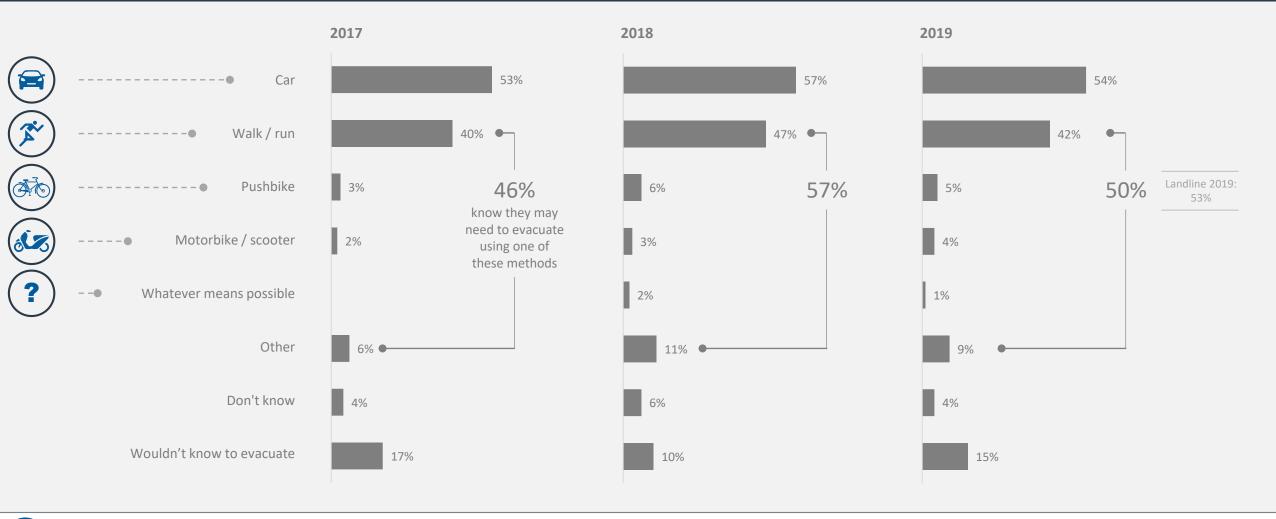




Planned evacuation methods

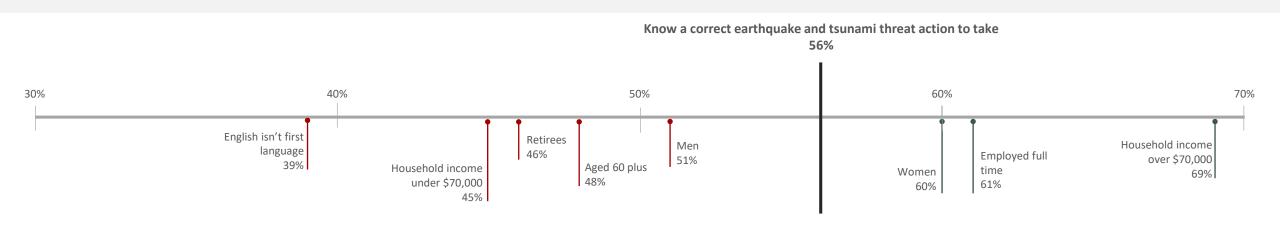


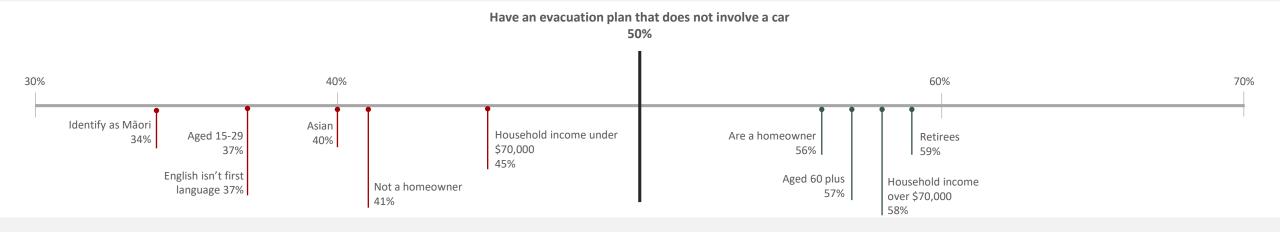
Half of New Zealanders still plan to evacuate by car. However the other half are aware they may need to use alternative methods



Who is least likely to know what to do?

Those in lower income households and those who do not speak English as their first language are least likely to know what to do during an earthquake and/or tsunami threat. They are also less likely than average to know they may need an alternative evacuation method to a car







BARRIERS





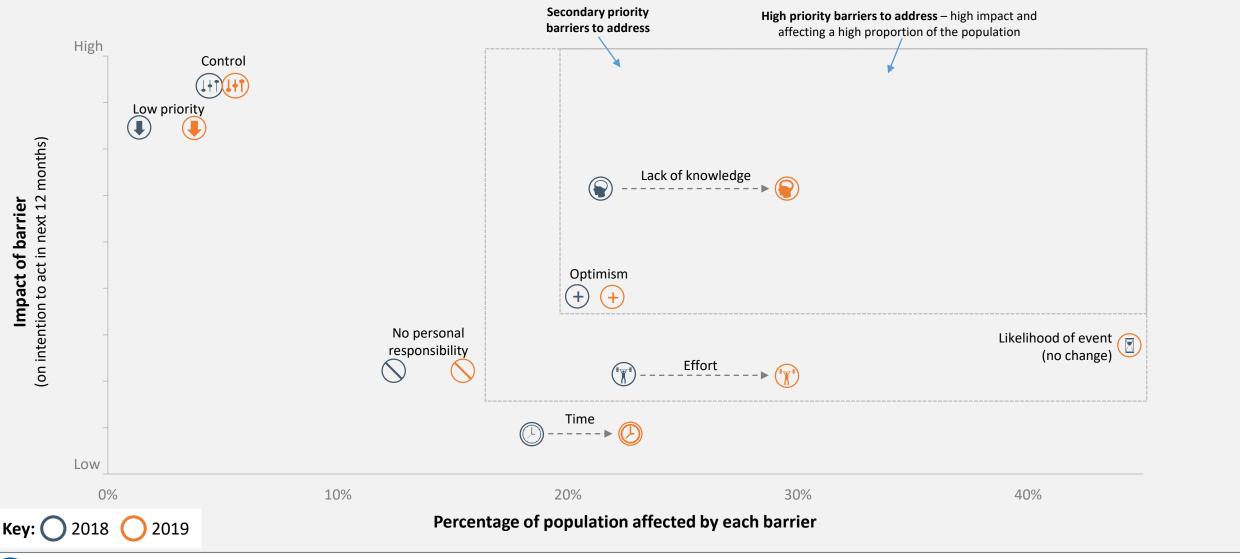


The research specifically explored the incidence and impact of eight barriers to preparedness

	Lack of knowledge	How much, if anything do you know about preparing for a disaster? (Q2a)
Barriers	Likelihood of event	I don't often think about what disasters could happen in my area (Q6a_2)
	+ Optimism	It's unlikely I'll ever be in a disaster (Q6a_9)
	(T) Effort	How easy or difficult do you think it is to prepare for a disaster? (Q2c)
	Low priority	How important is it that New Zealanders' prepare for a disaster? (Q1a)
	(h) Control	What I do now will help to keep me and my household safe during a disaster (Q6a_7)
	No personal responsibility	People will be there to help following a disaster, so I don't really need to prepare in advance (Q6a_1)
	Time	There will always be adequate warning before a disaster strikes (Q6a_3)



When we assessed the incidence of barriers (% of population who have a barrier) by their impact (strength of its effect on likelihood to prepare) two barriers stood out as priorities to address: lack of knowledge about what to do to prepare, and the belief that they will probably never experience a disaster first hand





PRIMARY AND SECONDARY BARRIERS TO ADDRESS





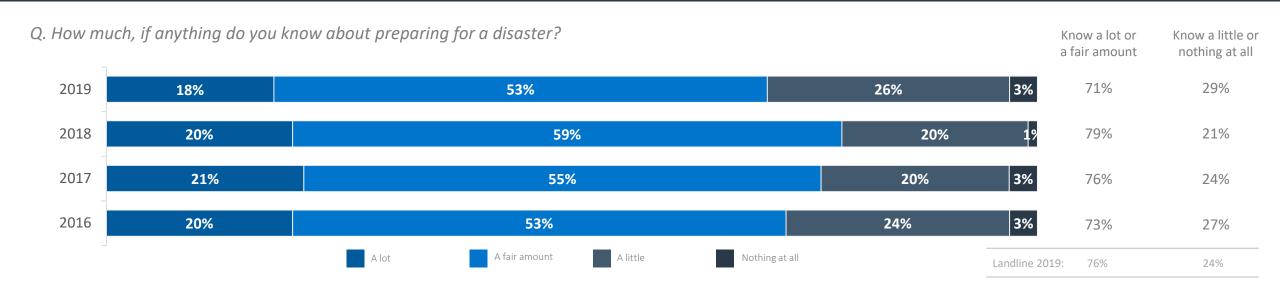


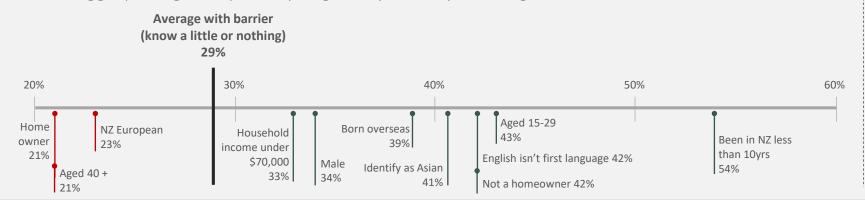


Lack of knowledge – primary barrier

The following groups are significantly less likely or significantly more likely than average to have this barrier:

Nearly a third of all New Zealanders know little or nothing about preparing for a disaster, for these people this is a huge barrier to getting prepared





Those who know little or nothing about preparing for a disaster are less likely to have:



A getaway

bag

Stored

sufficient

water



The necessary emergency supplies

Discussed or planned with household what to do in a disaster

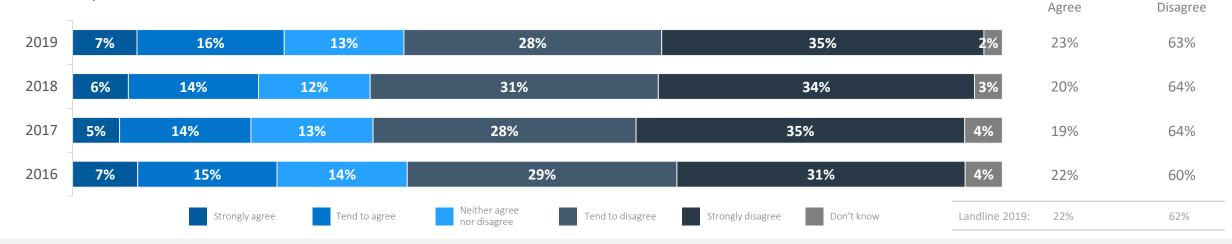


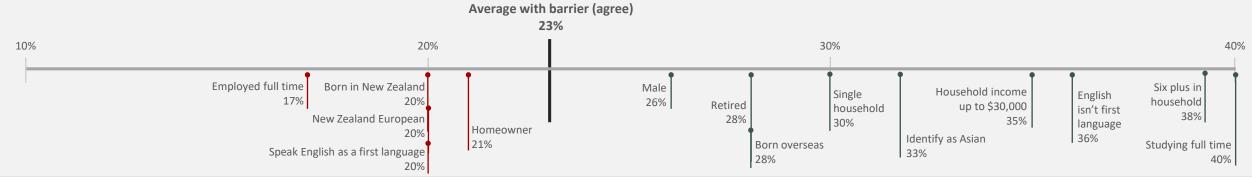


Optimism – primary barrier

Over one in five New Zealanders think it's unlikely they will ever be in a disaster and this false sense of security is preventing them from becoming prepared

Q. It's unlikely I'll ever be in a disaster





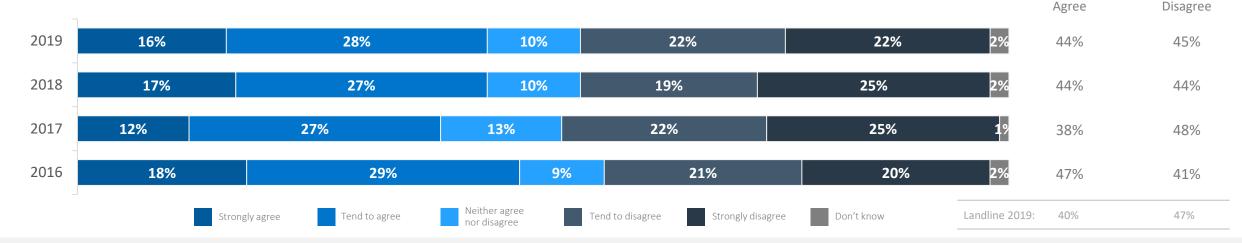


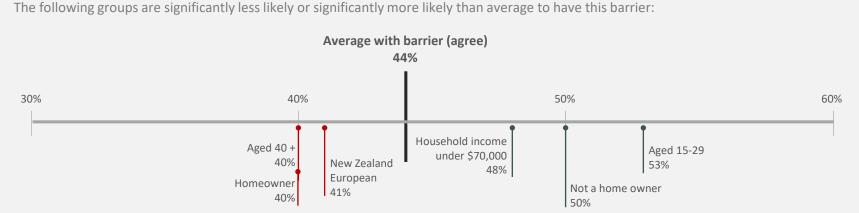


Likelihood of event – secondary barrier

The prevalence of this barrier is high – over four in ten New Zealanders don't often think about what disasters could happen in their area

Q. I don't often think about what disasters could happen in my area





Those who don't often think about what disasters could happen in their area are less likely to have:



bag

A getaway Stored

sufficient

water

The necessa

The necessary emergency supplies

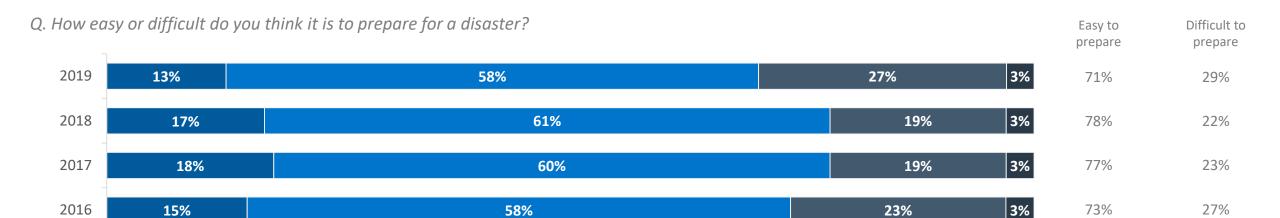
Discussed or planned with household what to do in a disaster





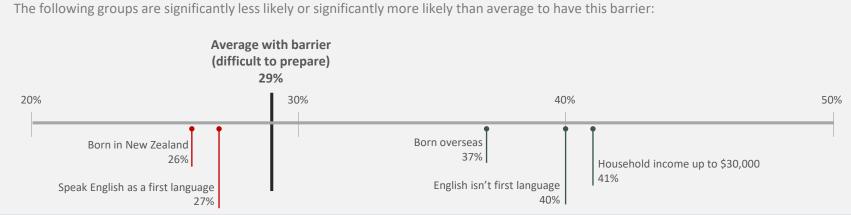
Effort – secondary barrier

This barrier is a hindrance to three in ten New Zealanders



Quite difficult

Very difficult



Quite easy

Very easy

Those who think it is difficult to prepare for a disaster are less likely to have:

Landline 2019:



A getaway

bag



Stored

sufficient

water



70%



supplies

emergency

30%

Discussed or planned with household what to do in a disaster



LOWER PRIORITY BARRIERS



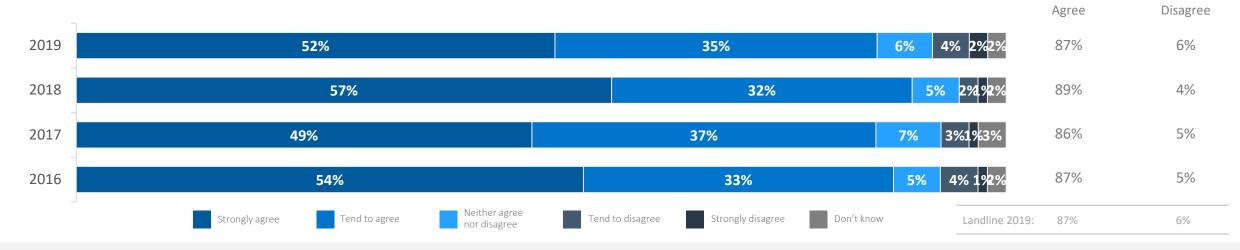




Control

This barrier is a large impediment to the six percent of New Zealanders who believe preparation will not keep themselves and their household safe during a disaster

Q. What I do now will help to keep me and my household safe during a disaster

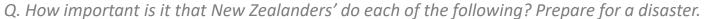


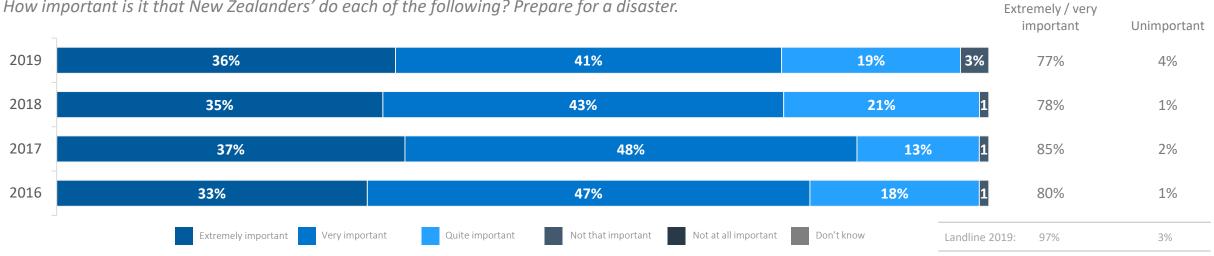




Low priority

Although this barrier only affects a small minority of New Zealanders (4%), it has a large impact on this group's intention to prepare for a disaster







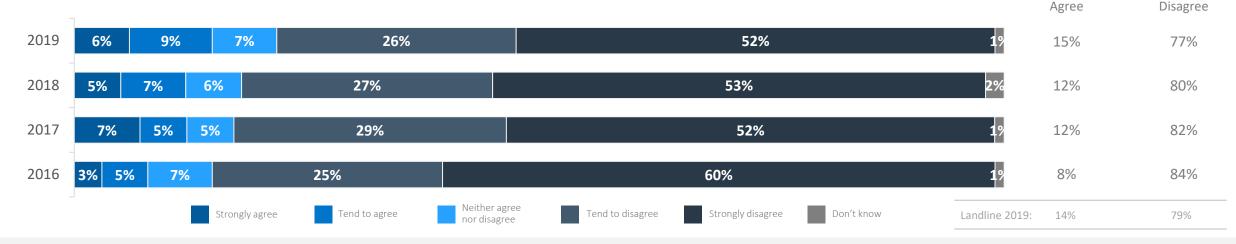




No personal responsibility

This barrier impacts fifteen percent of New Zealanders and is not a particularly strong impediment to preparation

Q. People will be there to help following a disaster, so I don't really need to prepare in advance



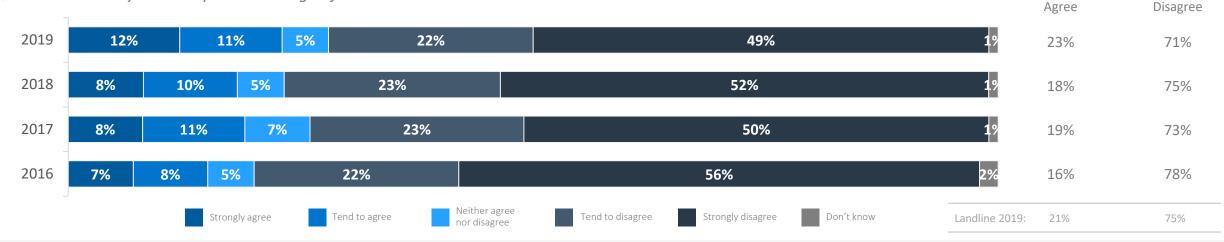




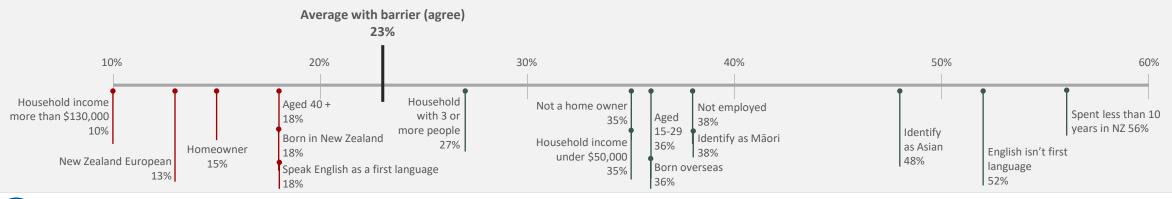


While this is a barrier for nearly one quarter of New Zealanders, it has relatively little impact on preparedness

Q. There will always be adequate warning before a disaster strikes



The following groups are significantly less likely or significantly more likely than average to have this barrier:





GREATEST BARRIERS FOR THOSE MOST AT RISK







The most at risk groups (i.e. the most under-prepared groups) have similar barriers to the overall population. However, lack of knowledge, optimism and time are significantly larger barriers for these groups. Those who identify as Asian are more likely to disagree that what they do now will help keep them and their household safe – this 'control' barrier has a very large impact on intention to prepare for a disaster.





TRIGGERS







The research also explored the incidence and impact of three triggers to get people to act

Triggers



Social norm



Family concern



Family responsibility

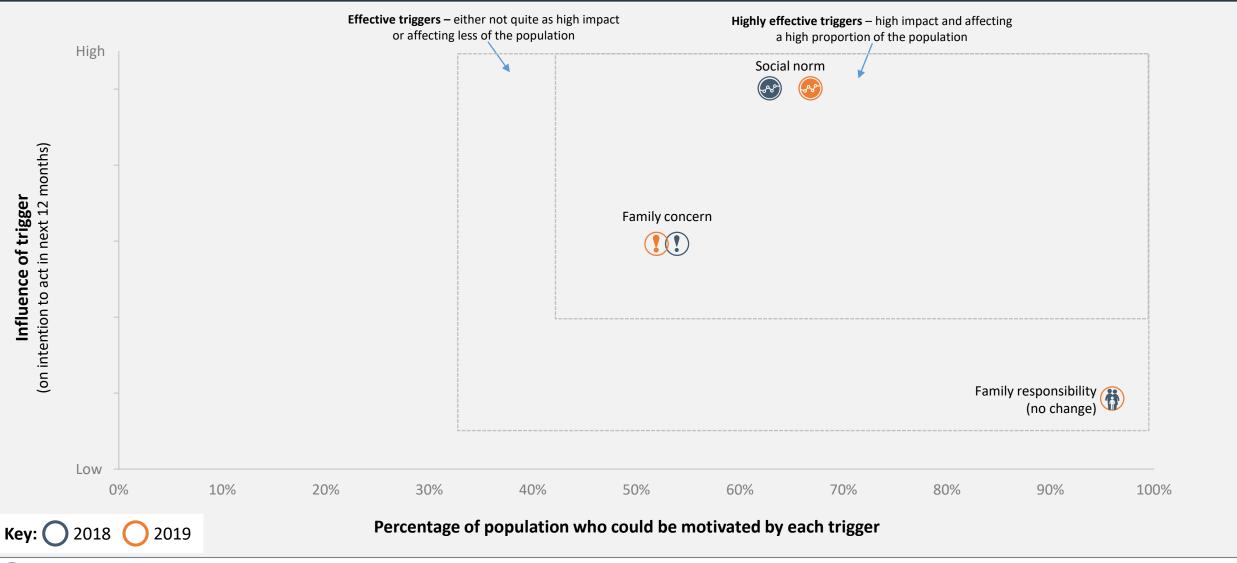
My friends and family think it's very important to be prepared for a disaster (Q6a_6)

I often worry about what might happen to me or my family if there's a disaster (Q6a_8)

It is my responsibility to look after myself and my family in a disaster (Q6a_4)



Of the three triggers, two stand out as being particularly effective: 1) friends and family thinking its important to be prepared and, 2) concern about what will happen to them and their family in a disaster



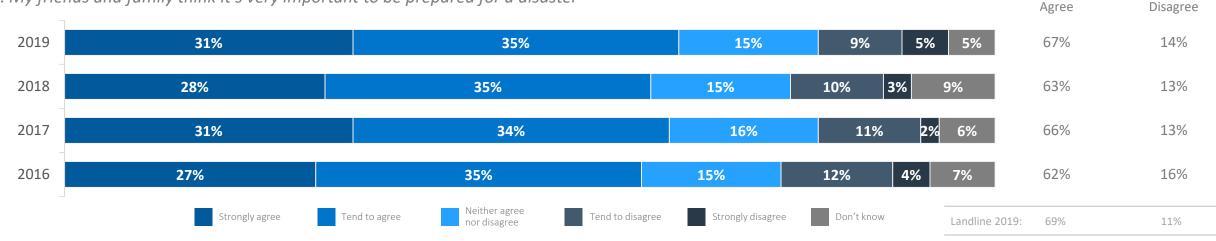


Social norm

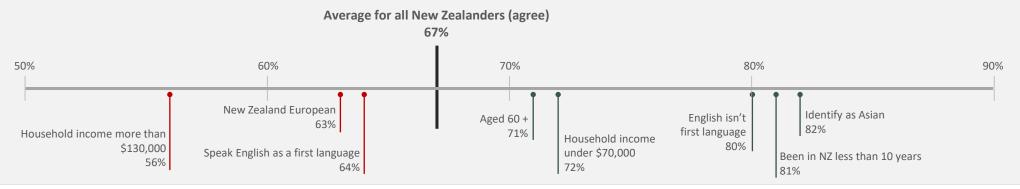
What friends and family think has a big impact on how likely New Zealanders are likely to prepare for a disaster.

Those who identify as Asian are particularly likely to say their friends and family think it's important, which may be effective mechanism to use to overcome the 'control' barrier.





The following groups are significantly less likely or significantly more likely than average to be triggered by this social norm:

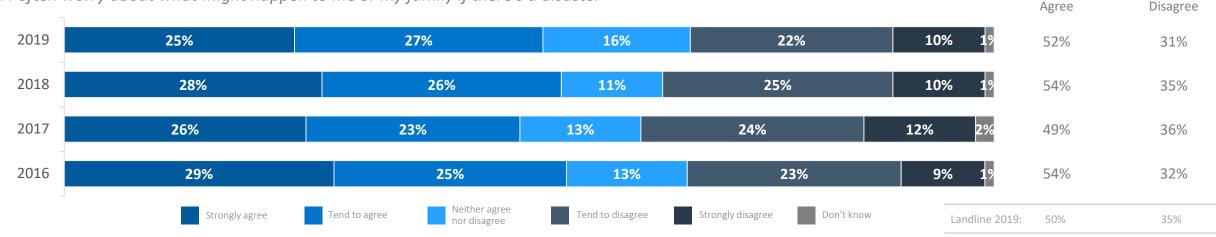




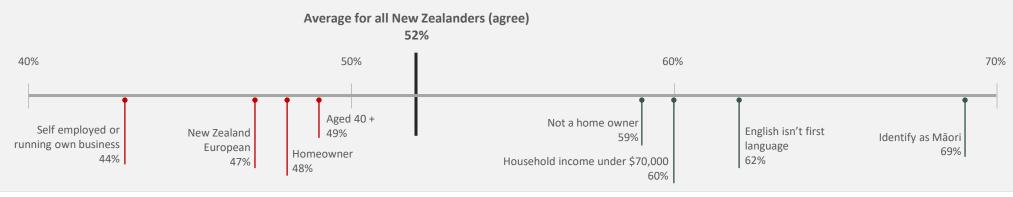


Another strong trigger for getting New Zealanders to prepare is family concern

Q. I often worry about what might happen to me or my family if there's a disaster



The following groups are significantly less likely or significantly more likely than average to be triggered by family concern:

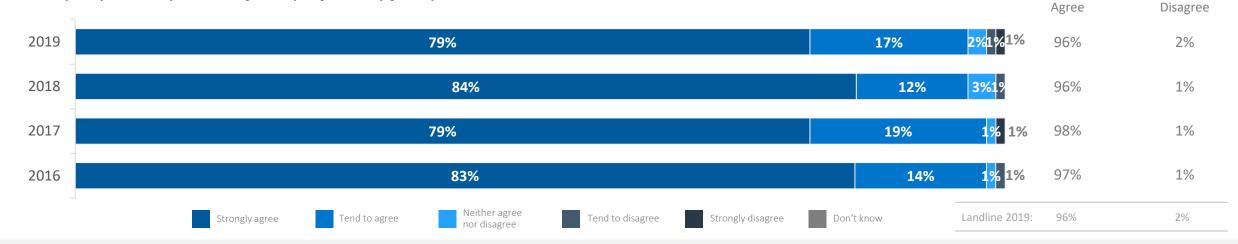






New Zealanders have a strong belief that it is their responsibility to look after their family in a disaster, making it a relatively effective trigger

Q. It is my responsibility to look after myself and my family in a disaster



The following groups are significantly less likely or significantly more likely than average to be impacted by family responsibility:





COMMUNICATIONS

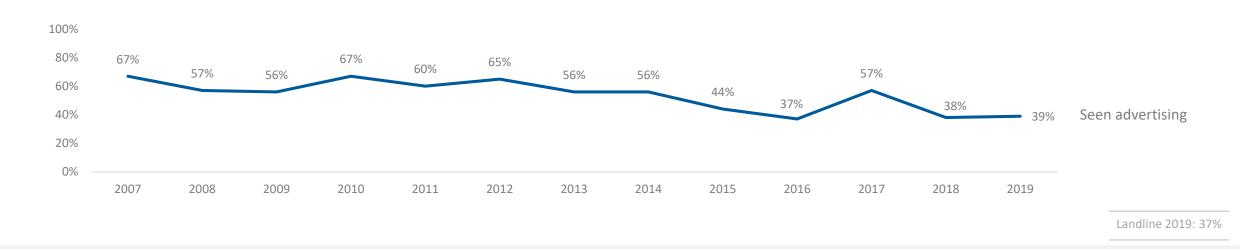




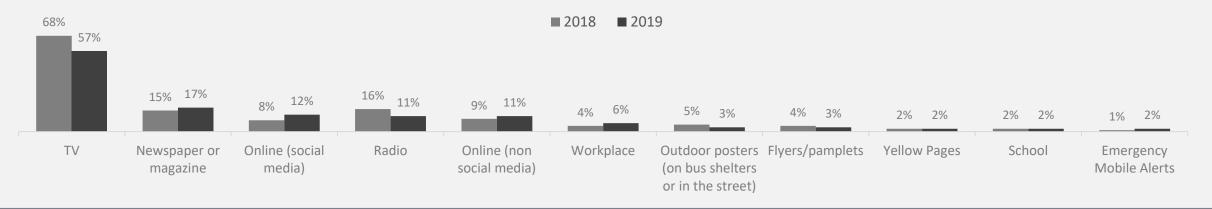


Advertising

Advertising awareness is in line with 2018. Around 4 in 10 New Zealanders have recently seen disaster preparedness advertising or information



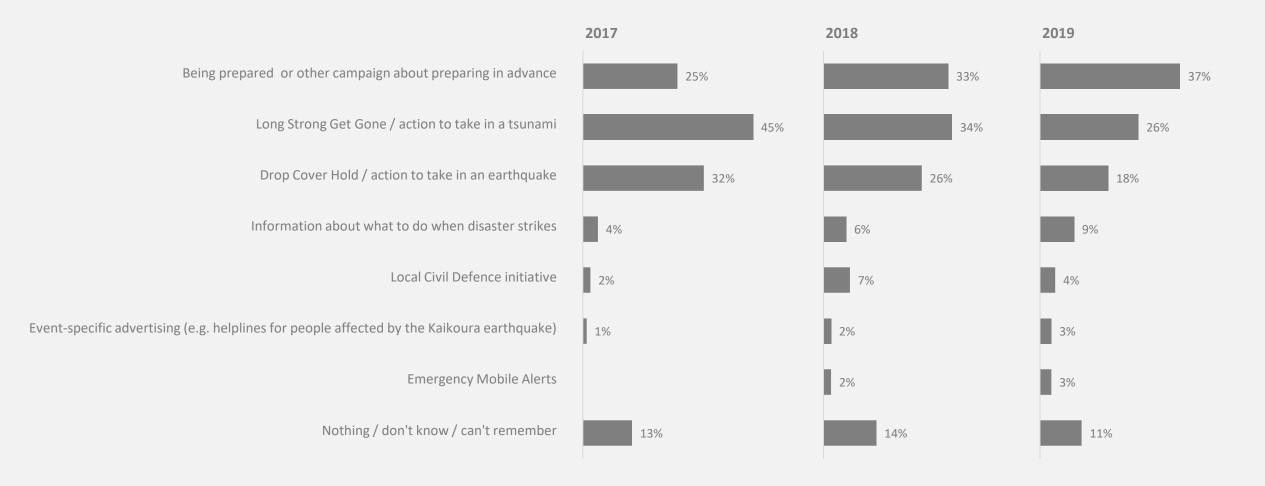
Those who recall advertising mostly say they saw it on TV. There is an increase in online awareness this year.





Advertising

The key take out from the advertising is preparedness. This is followed by actions to take in a tsunami or an earthquake.





Shake Out and Tsunami Hīkoi

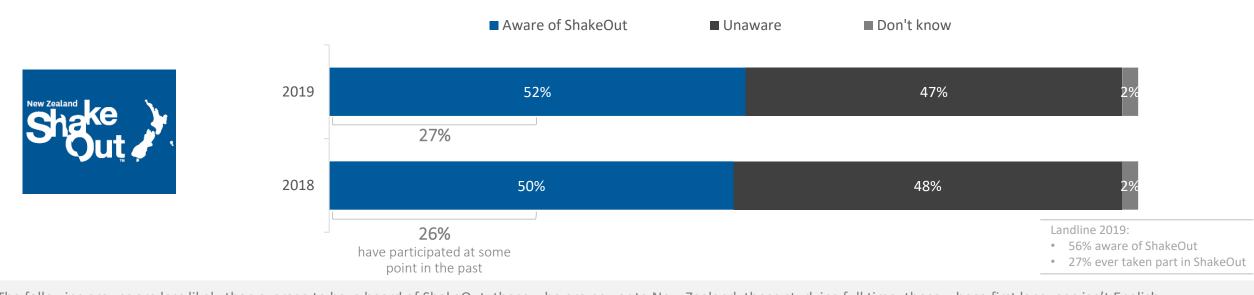






ShakeOut

More than a quarter of all New Zealanders have participated in ShakeOut at some point in the past



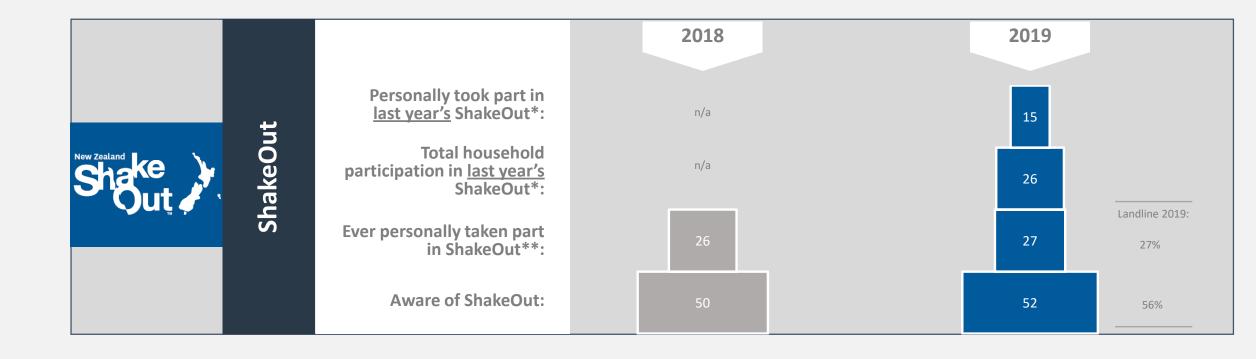
The following groups are less likely than average to have heard of ShakeOut: those who are newer to New Zealand, those studying full time, those whose first language isn't English.





ShakeOut

A quarter of New Zealanders have ever taken part in ShakeOut, while 15% personally took part in last year's drill.

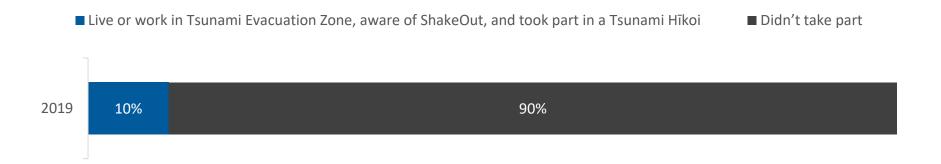




**Q5i – new question wording in 2019; *Q5j & Q5k new questions in 2019.

Tsunami Hīkoi

1 in 10 people who live or work in a tsunami zone took part in last years Tsunami Hīkoi





INFORMATION SOURCES

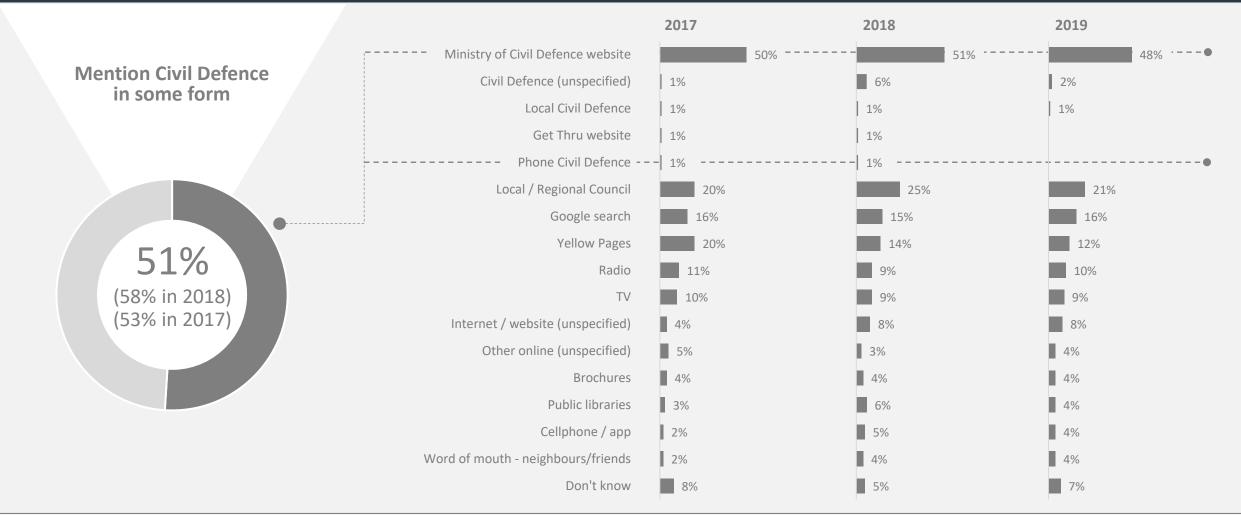






Sources of information before a disaster

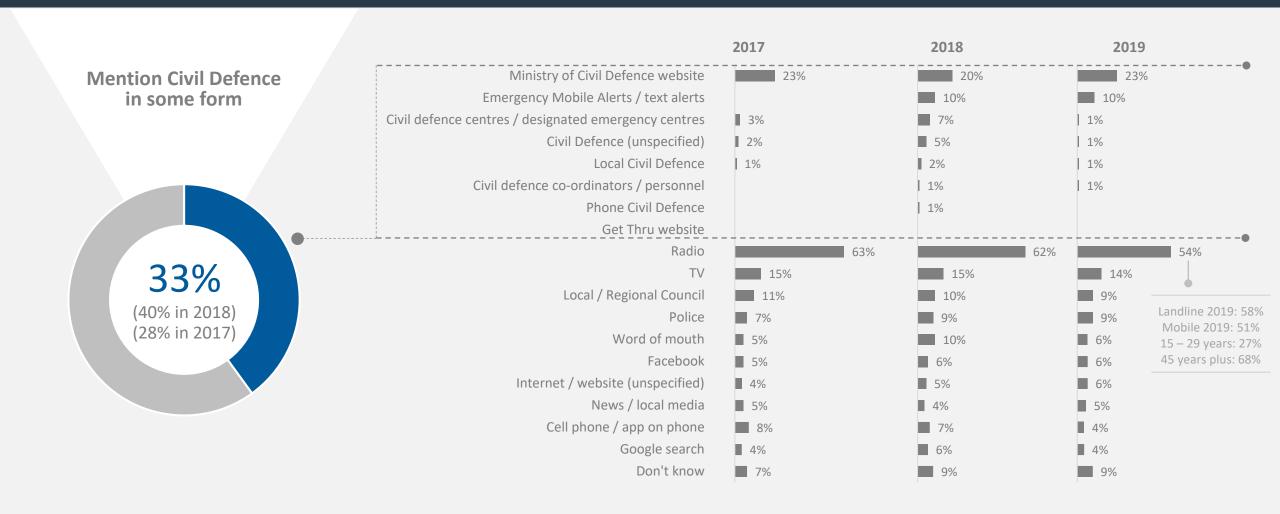
Civil Defence channels continue to be the go-to sources for information about disasters before they occur





Sources of information during or immediately after a disaster

However, fewer New Zealanders say they would utilise Civil Defence during or immediately after a disaster. Instead, their main source of information is the radio.





ENSURING RESILIENT COMMUNITIES

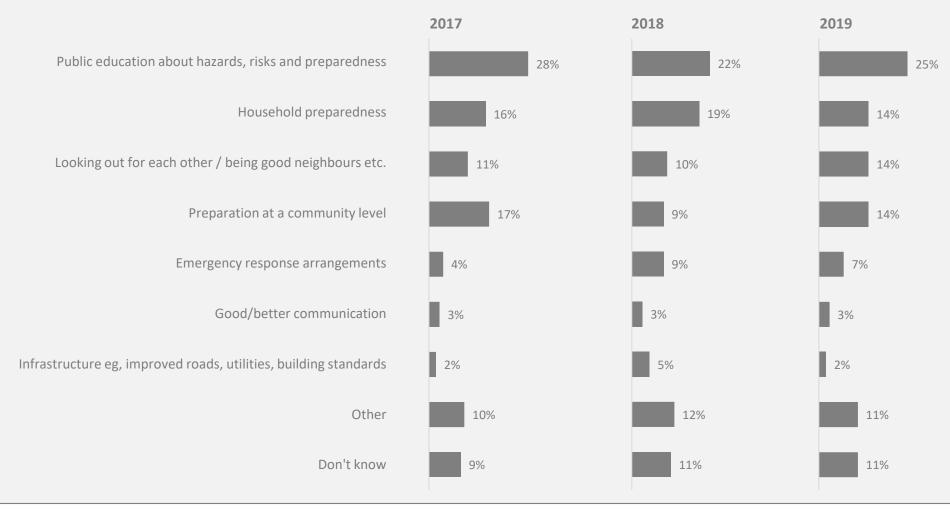






Ensuring resilient communities

A quarter of New Zealanders believe public education is the key to ensuring we have resilient communities that can withstand and recover from disasters





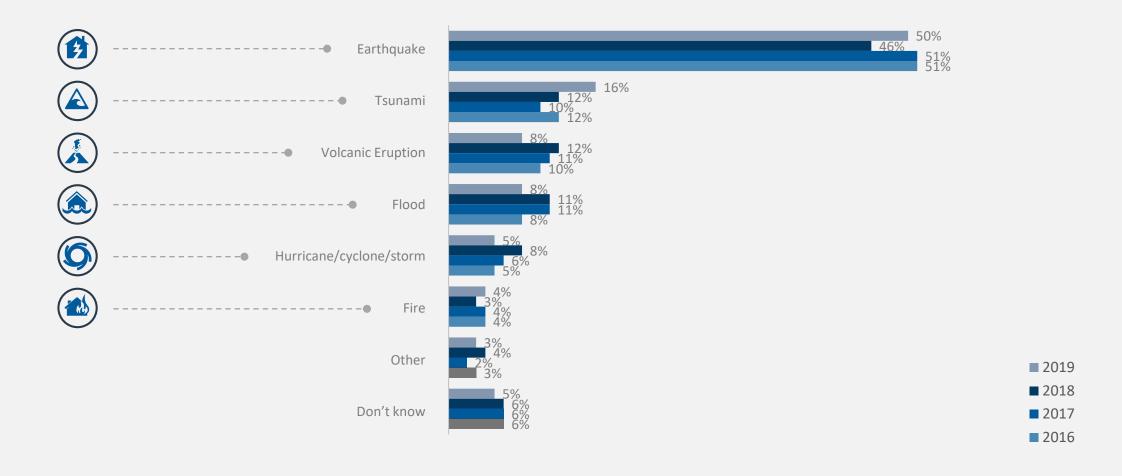
WHAT DO PEOPLE THINK WHEN THEY THINK 'DISASTER'?





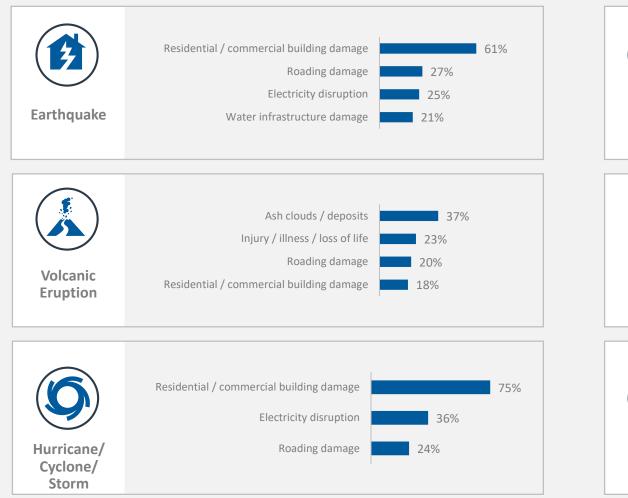


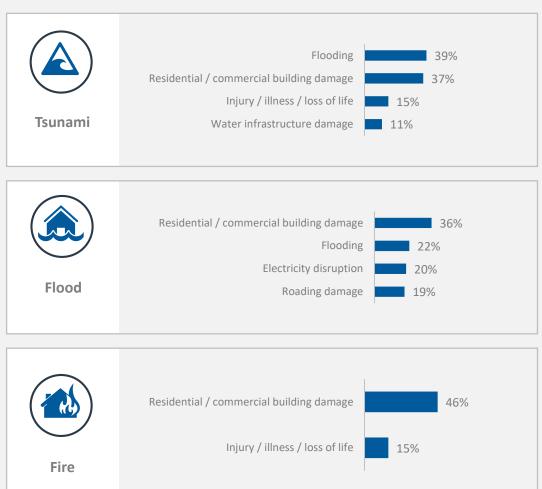
To New Zealanders 'disaster' means earthquake





Awareness of consequences







APPENDIX

Māori analysis







Māori have very similar levels of preparedness and knowledge to all New Zealanders. However they are more likely than average to have participated in ShakeOut





This year Māori are significantly less affected by most barriers than all New Zealanders. This is an improvement from 2018 findings





APPENDIX

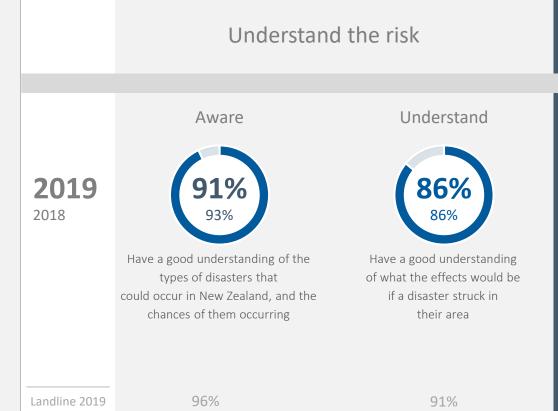
Preparedness continuum







Preparedness continuum



Have taken action to prepare



Have stored at least 9 litres of water

for each household member*

Have emergency supplies, e.g., spare

food, toilet paper, torch, spare

batteries etc*





Have emergency supplies, e.g., spare food, toilet paper, torch, spare batteries etc*

Check emergency survival items at least once a year*





Household emergency plan or discussion includes what to do when not at home*

Have stored at least 9 litres of water for each household member*

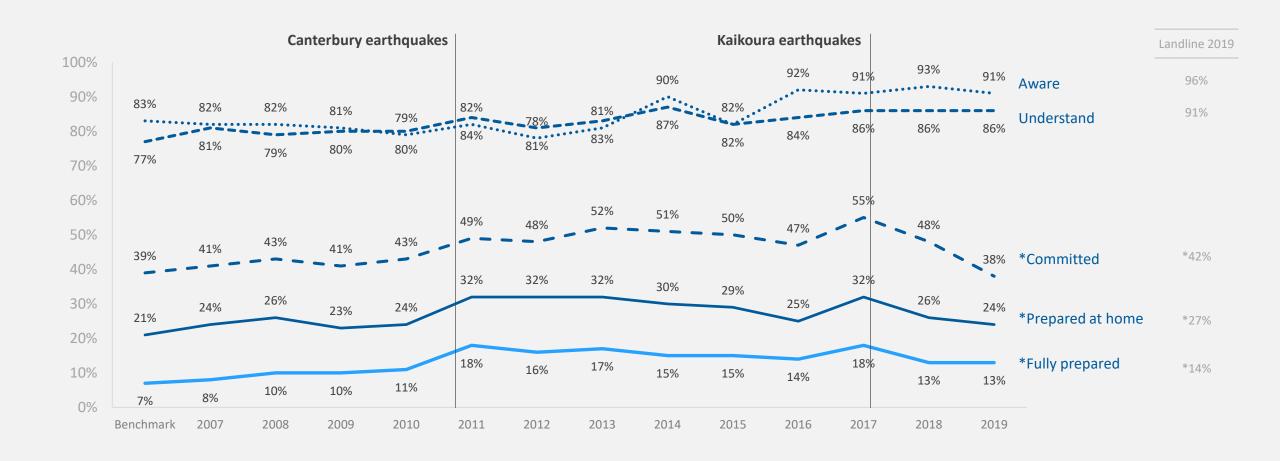
Have emergency supplies, e.g., spare food, toilet paper, torch, spare batteries etc*

Check emergency survival items at least once a year*



Preparedness continuum

Preparedness levels have begun to drop away again following the peak levels seen post the Kaikoura earthquakes





FOR FURTHER INFORMATION PLEASE CONTACT:

Ellen Parkhouse and Michael Dunne

Colmar Brunton, a Millward Brown Company Level 9, Legal House, 101 Lambton Quay, Wellington PO Box 3622, Wellington 6140

> Emma.Stratton@ColmarBrunton.co.nz Michael.Dunne@ColmarBrunton.co.nz





