

KANTAR PUBLIC |

Table of contents



Introduction, objectives and methodology	3
Summary of key findings	5
How prepared are New Zealanders?	11
Do New Zealanders know what to do in an emergency?	18
Barriers	25
Triggers	40
Communications	46
Earthquake drills	49
Information sources	51
Ensuring resilient communities	54
Emergency situations	56
Appendix	60



Introduction, objectives and methodology









Introduction & Objectives

The National Emergency Management Agency 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 are 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.

Methodology



In total, 1,001 telephone interviews were carried out with New Zealanders aged 15 and over, from 19 May to 21 June, 2021.

Thirty percent of the interviews were conducted by calling landline telephones (300 interviews) and seventy percent were conducted by calling mobile telephones (701 interviews). In 2020 interviews were carried out 50%/50% landline/mobile and prior to 2019 all interviews were conducted by calling landlines.

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 2018 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.

Summary of key findings







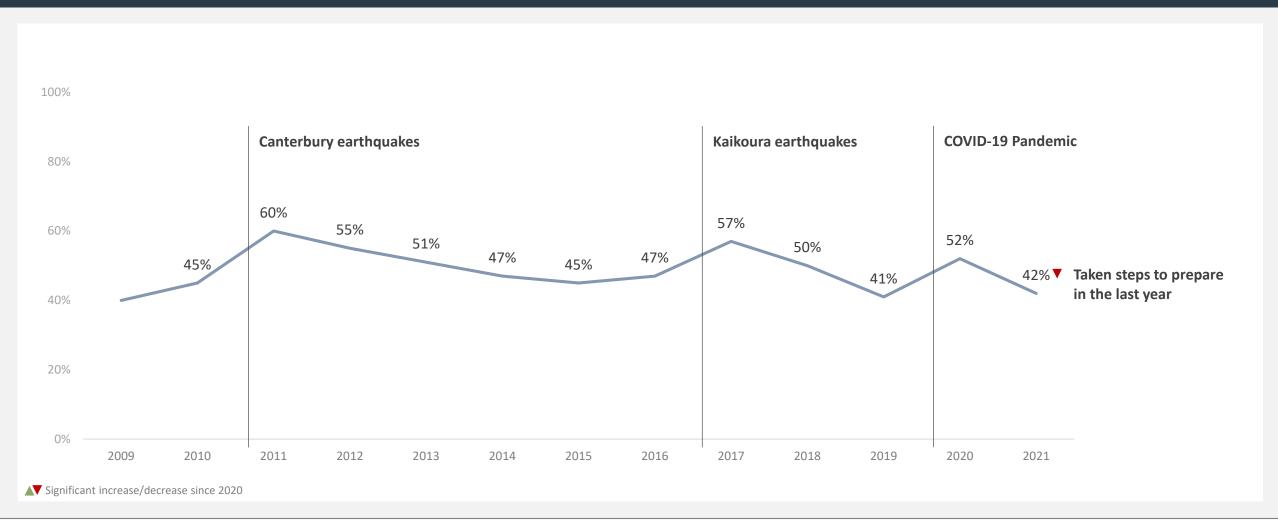


Actions taken to prepare in the last year





The number of New Zealanders who've taken steps to prepare themselves or their household for a disaster has decreased in 2021. This is the usual pattern in the years after a strong catalyst, as shown in the chart below.





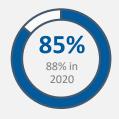
Level of preparedness

Level of preparedness



Over eight 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. One in five New Zealanders are fully prepared at home.

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*

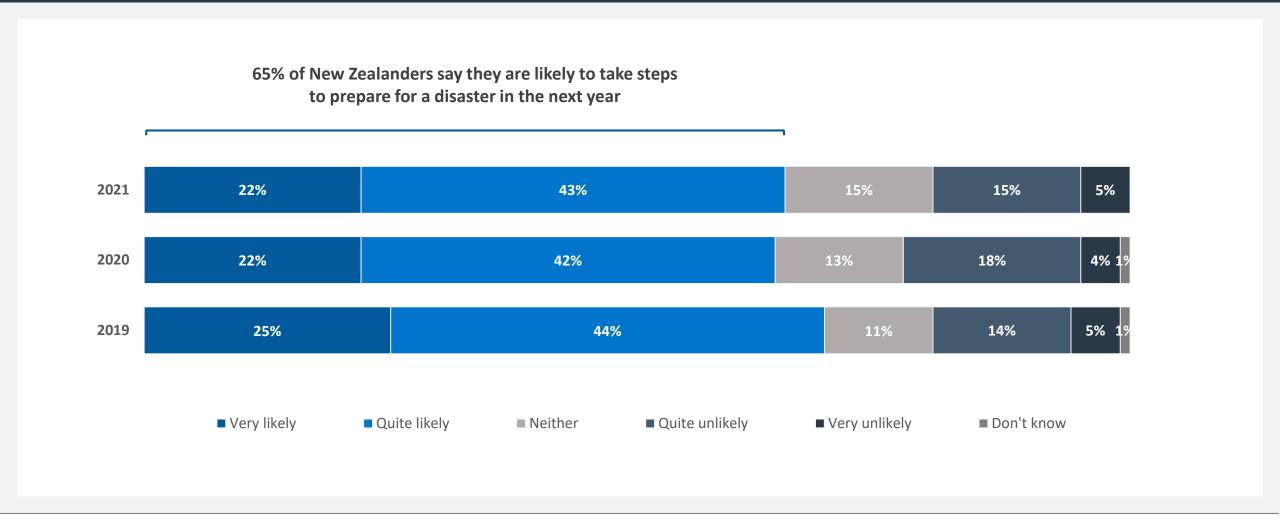


Likelihood to Prepare





New Zealanders continue their strong intentions to improve their level of preparedness over the next year.



Knowledge

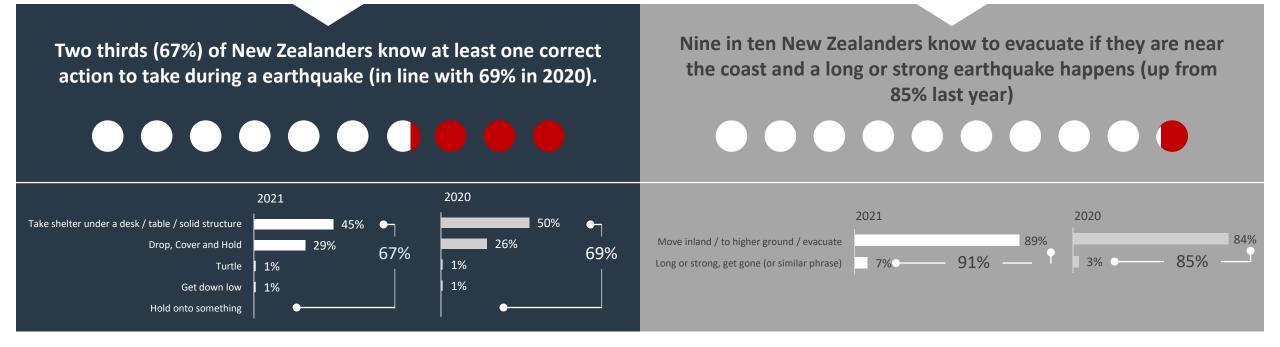




Most New Zealanders continue to know what actions they should take in the event of an earthquake or a tsunami.













Barriers and triggers to preparing



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

We also explored the incidence and impact of three triggers. Two are more effective motivators to get people to act.

riority oarrier



Lack of knowledge (affects 28%, high impact)

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

Those who lack knowledge tend to say:

- 1) They don't have information about preparedness and are unsure about where to find these resources
- 2) They don't have a good understanding of the impacts of a disaster in their neighbourhood and the role of warning systems.

Secondary barriers



Likelihood of event (affects 43%, medium impact)

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



Optimism (affects 19%, high impact)

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

Effective triggers to encourage preserved



Social norm – what friends and family think (impacts 65%, 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 47%, 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



How prepared are New Zealanders?





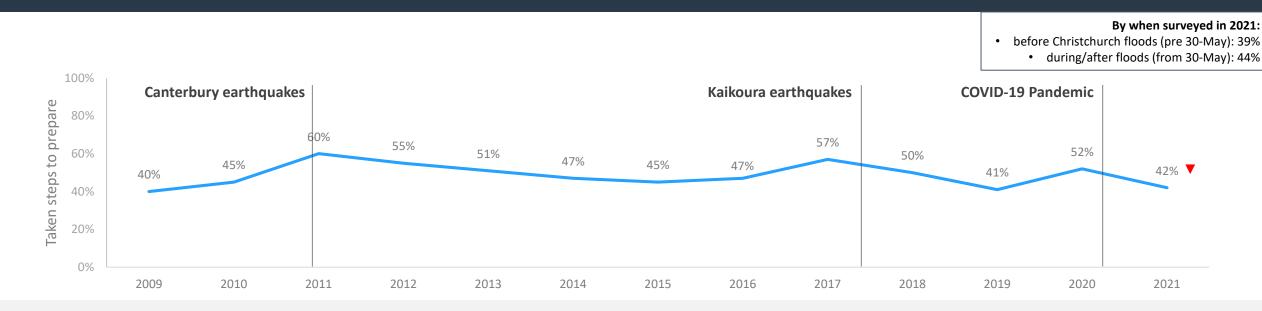




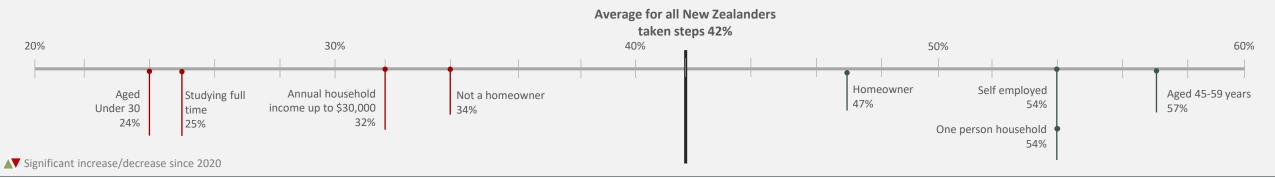
Taken steps to prepare in the last year



This year around four in ten New Zealanders say they have taken steps to prepare themselves or their household for a disaster in the past twelve months. This is a significant decrease from last year, and is in line with the 41% who reported having taken action in the 2019 survey.



The following groups are less likely than average to have taken steps to prepare for a disaster in the past twelve months: younger New Zealanders (aged under 30), those studying full time, people who do not own their own home, those who have a lower annual household income (under \$30,000).



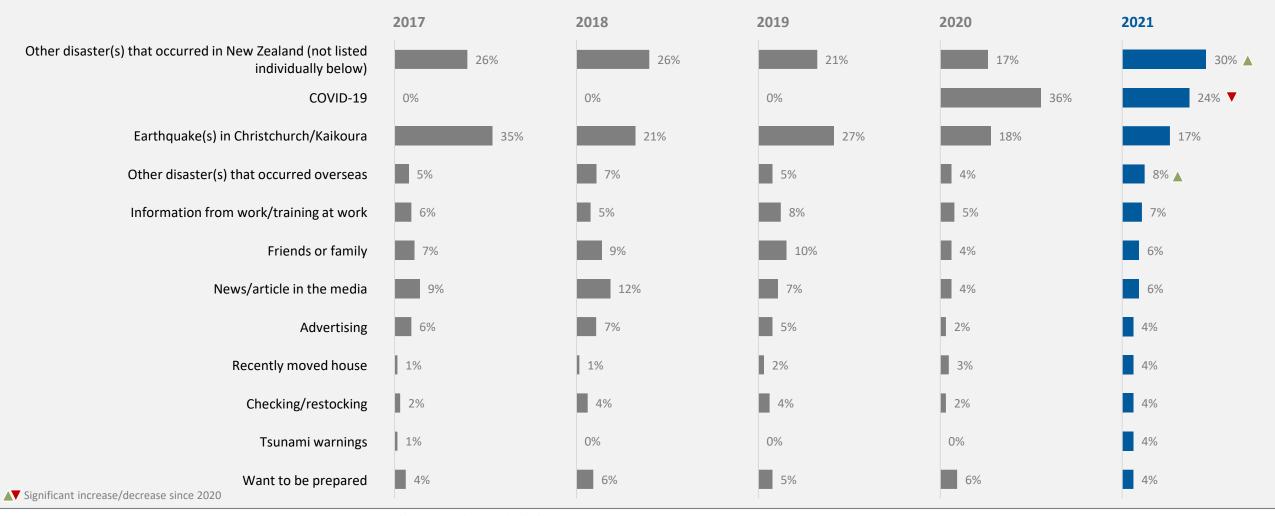




Perceived prompts to take action



When asked what prompted these actions, the main prompts are disasters that directly affect New Zealanders



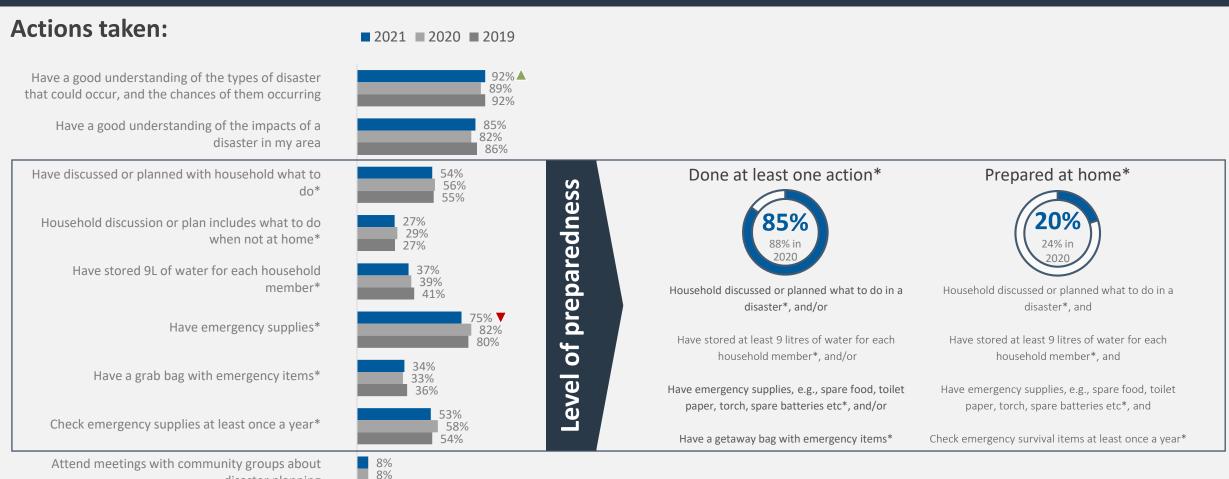




Total level of preparedness



When we measured specific actions taken, this decreased level of preparedness is mainly driven by not having emergency supplies available, although there is also a drop in taking the majority of the other actions. One positive area is understanding, with more New Zealanders now saying they have a good understanding of what the effects would be from a disaster in their area (back to levels found in 2019).









disaster planning

10%

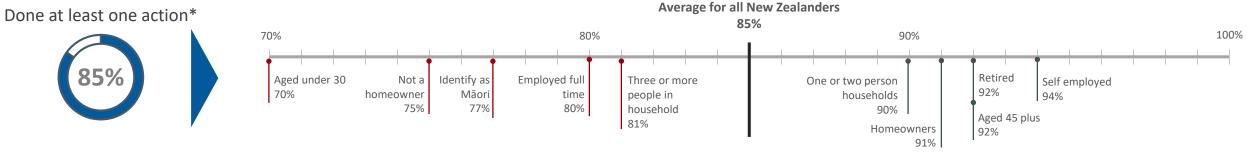
Note: Preparedness levels are not mutually exclusive.

Who is least likely to be prepared?

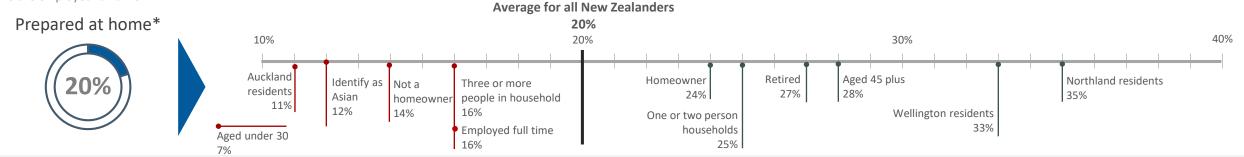


Younger New Zealanders, those who do not own their own home, and those who live in larger households are least likely to have done at least one action to prepare themselves or their household for a disaster.

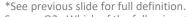
The following groups are less likely than average to have done at least one action for preparedness: younger New Zealanders, those who are not homeowners, those who identify as Māori, those employed full time, those who live in larger households.



The following groups are less likely than average to be prepared at home: younger New Zealanders, those who live in Auckland, those who identify as Asian, those who are not homeowners, those who live in larger households, those who are employed full time.



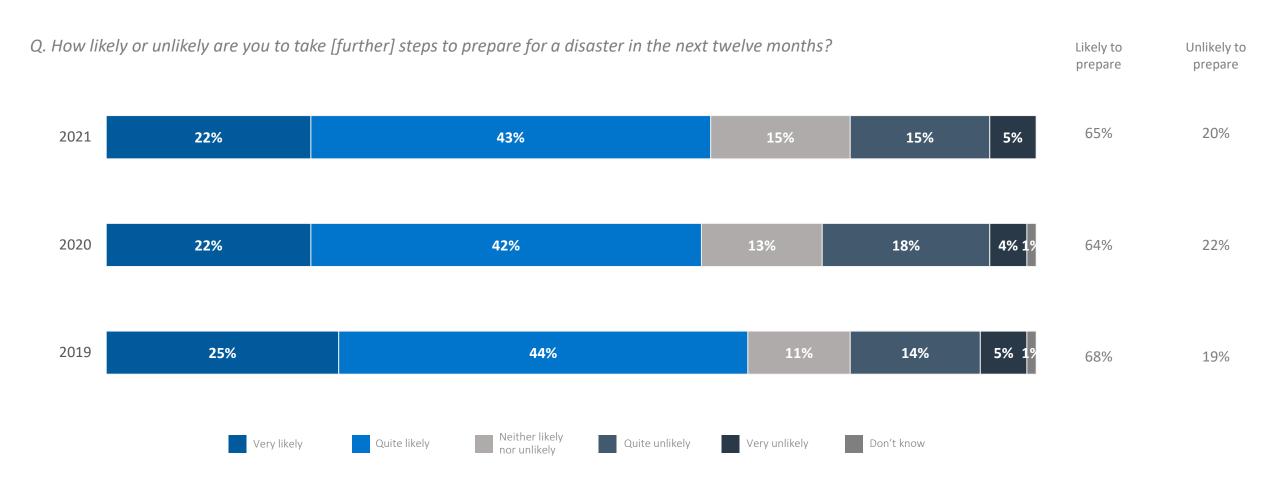




Likelihood of preparing



Two-thirds of New Zealanders say they are likely to take action, or further action, to prepare for a disaster in the next twelve months.





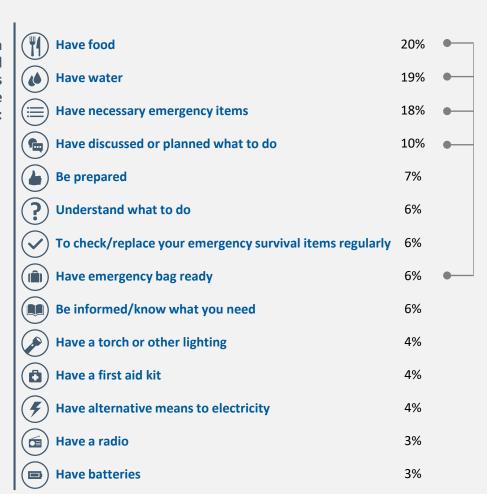


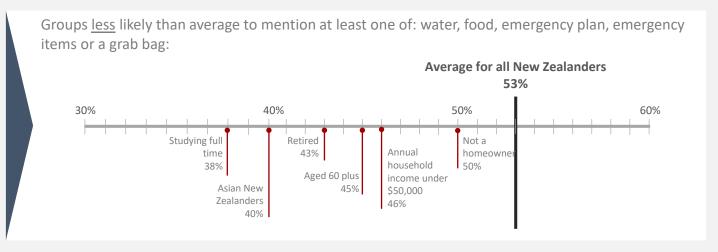
Top 10 things to do to be prepared



New Zealanders believe the most important things they can do to prepare for a disaster are to have stored food and water, and the necessary emergency items

Top ten perceived actions to be prepared:









Results 2% and under are not shown

Do New Zealanders know what to do in an emergency?







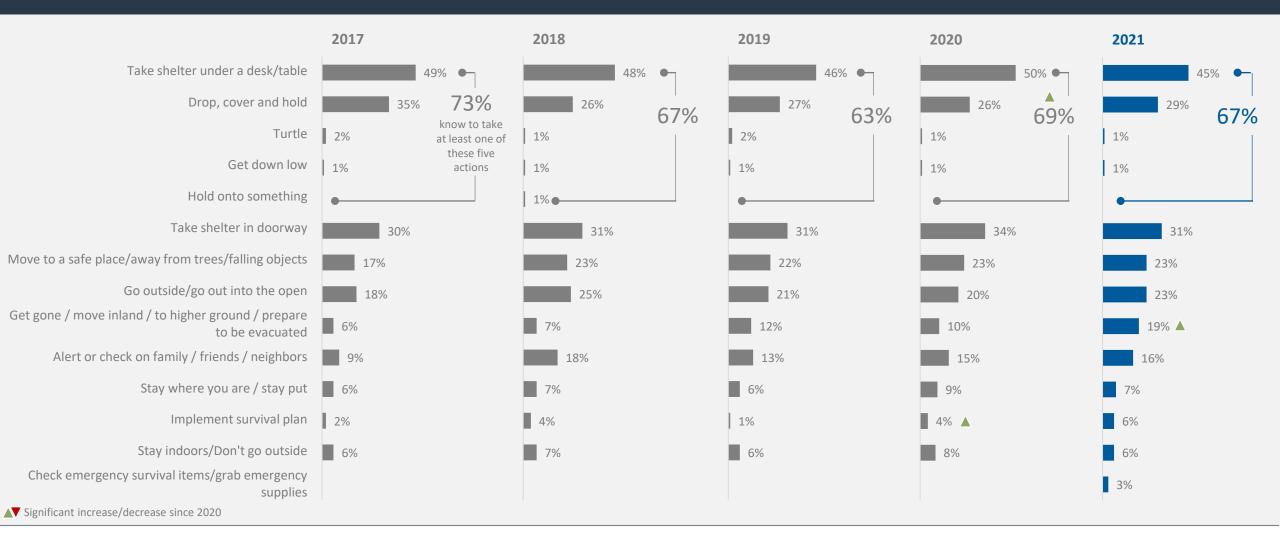


Actions to take during a strong earthquake





Two thirds of New Zealanders know what to do during a strong earthquake.





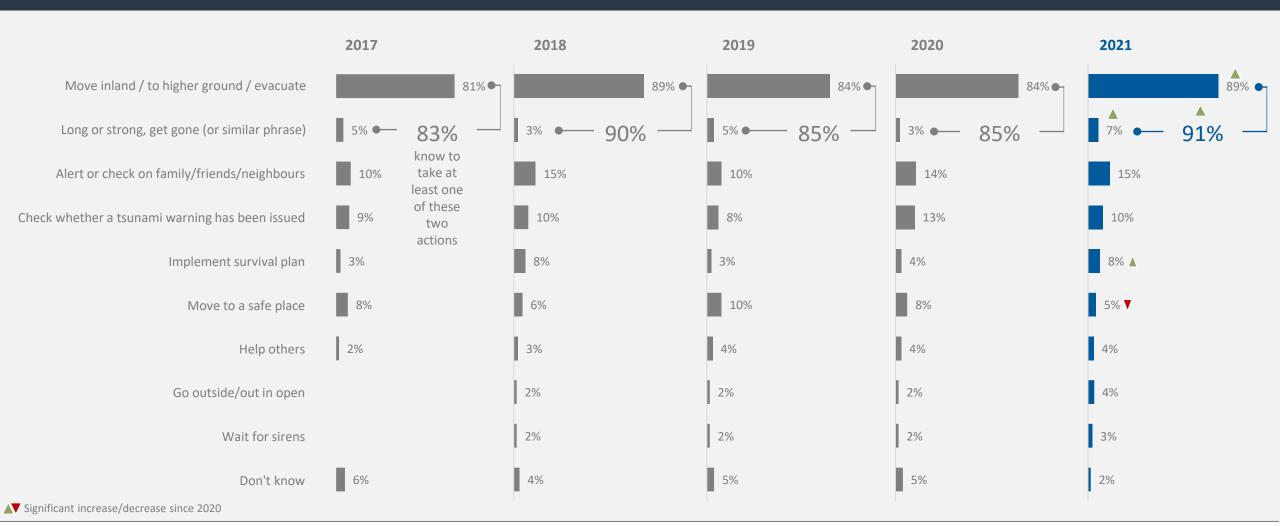


Actions to take when near the coast and a long or strong earthquake happens





Nine in ten New Zealanders know they need to 'Get Gone' if they are near the coast and a long or strong earthquake happens. This is a significant increase compared to last year



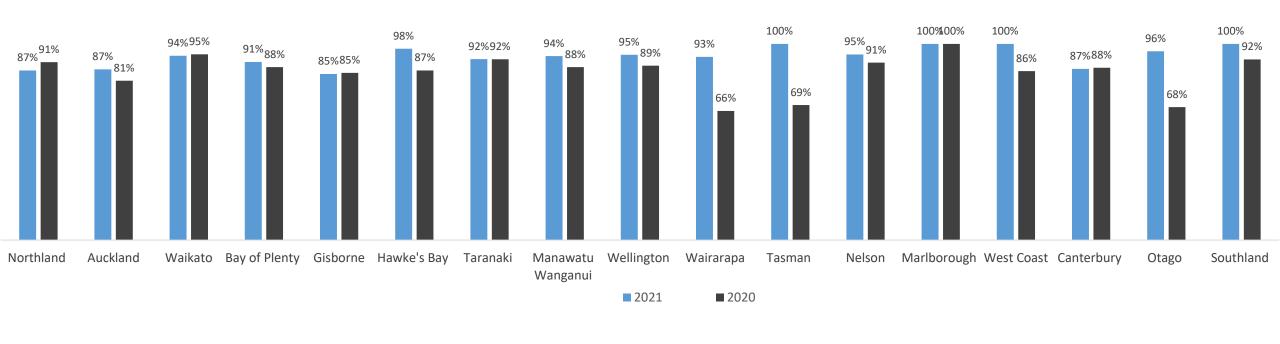




Actions to take when near the coast and a long or strong earthquake happens, cont.



Actions to taken near the coast if a long or strong earthquake happens:
There's been an increase in awareness of what actions need be taken across many of the regions this year





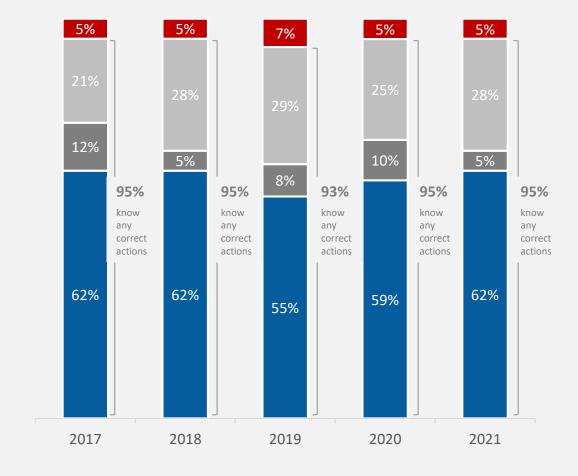


Knowledge that will keep New Zealanders safe during and following a strong earthquake



Six in ten New Zealanders know what to do during an earthquake <u>and</u> know what to do following a long or strong earthquake.

- Don't know what actions to take in either event
- 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



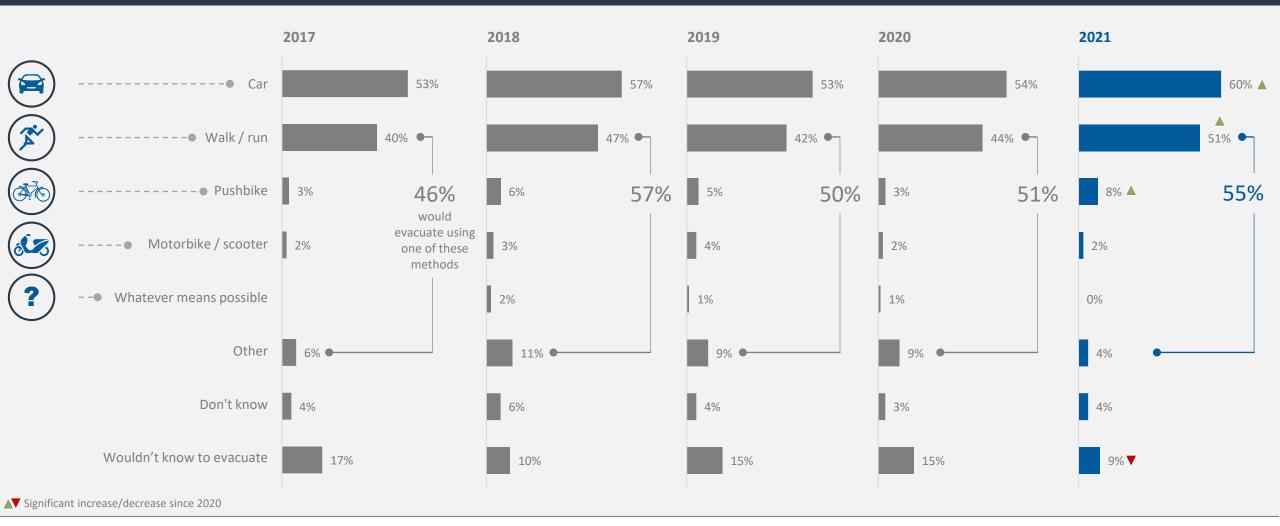


Planned evacuation methods





Over half of New Zealanders say they would evacuate using a method other than a car, which is an improvement (although not significant) compared to last year.



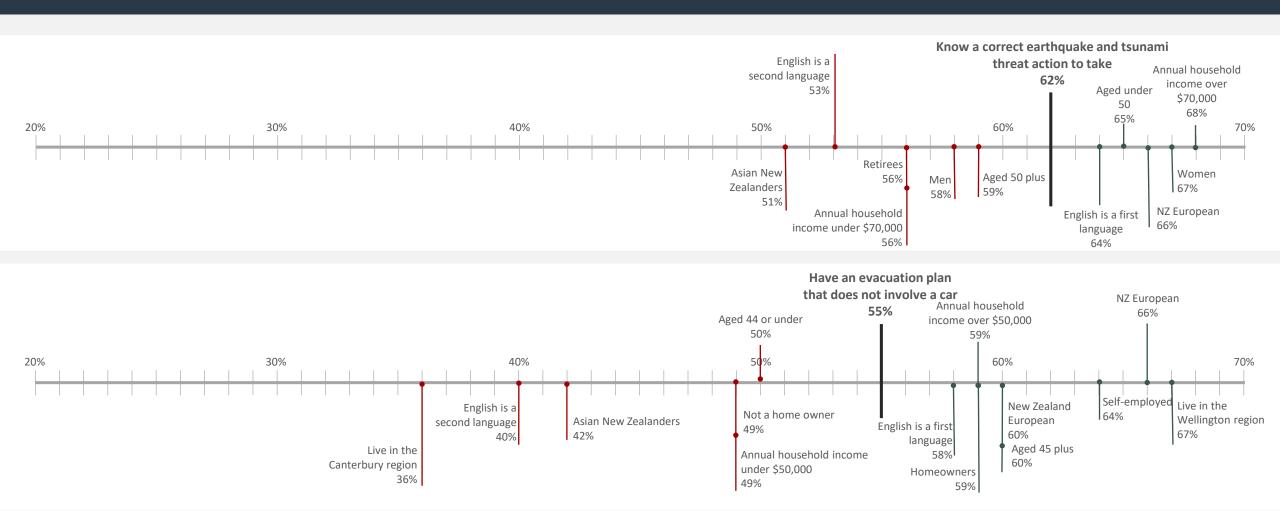




Who is least likely to know what to do?



New Zealanders who speak English as a second language, Asian New Zealanders, those with a lower household income, those aged over 50, and retirees are least likely to know both the correct earthquake actions and the correct tsunami actions.



BARRIERS





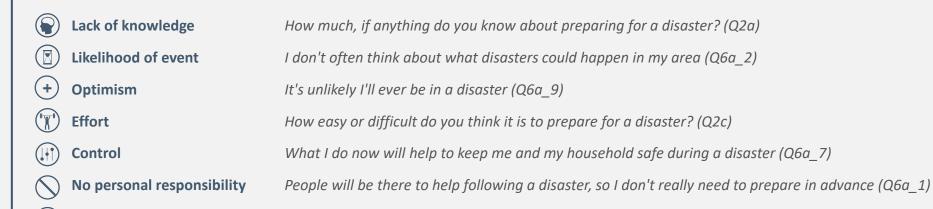




The research specifically explored the incidence and impact of seven barriers to preparedness



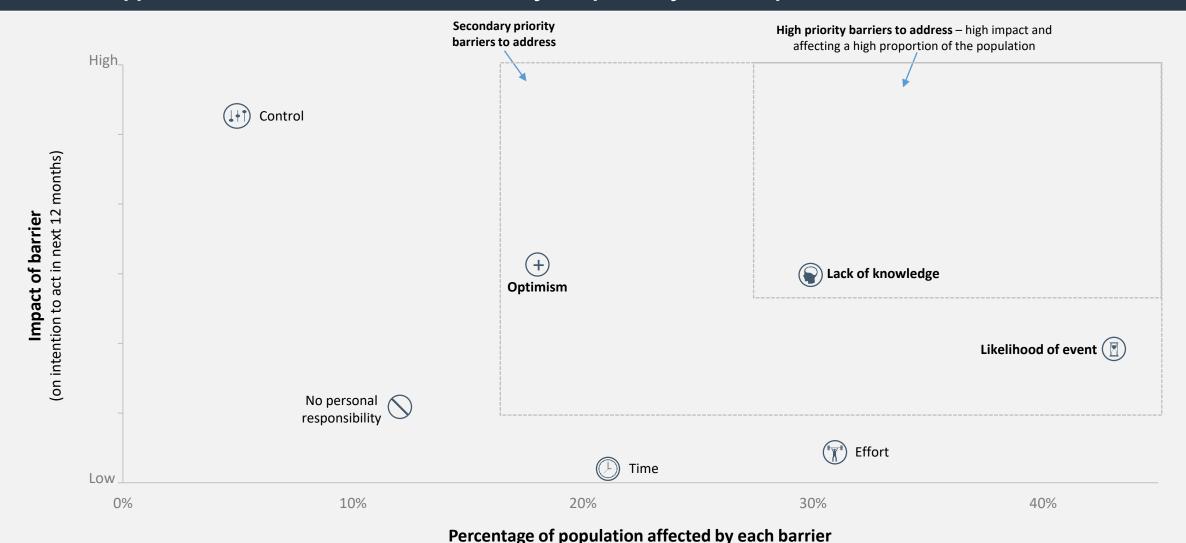
Barriers



There will always be adequate warning before a disaster strikes (Q6a_3)

When we assessed the incidence of each barrier (% of population who have a barrier) by their impact (strength of its effect on likelihood to prepare), the main barrier to address is: lack of knowledge about what to do to prepare. The two secondary barriers to address are: complacency when it comes to knowing what disasters could happen in their area, and the belief that they will probably never experience a disaster first hand.





Primary and secondary barriers to address







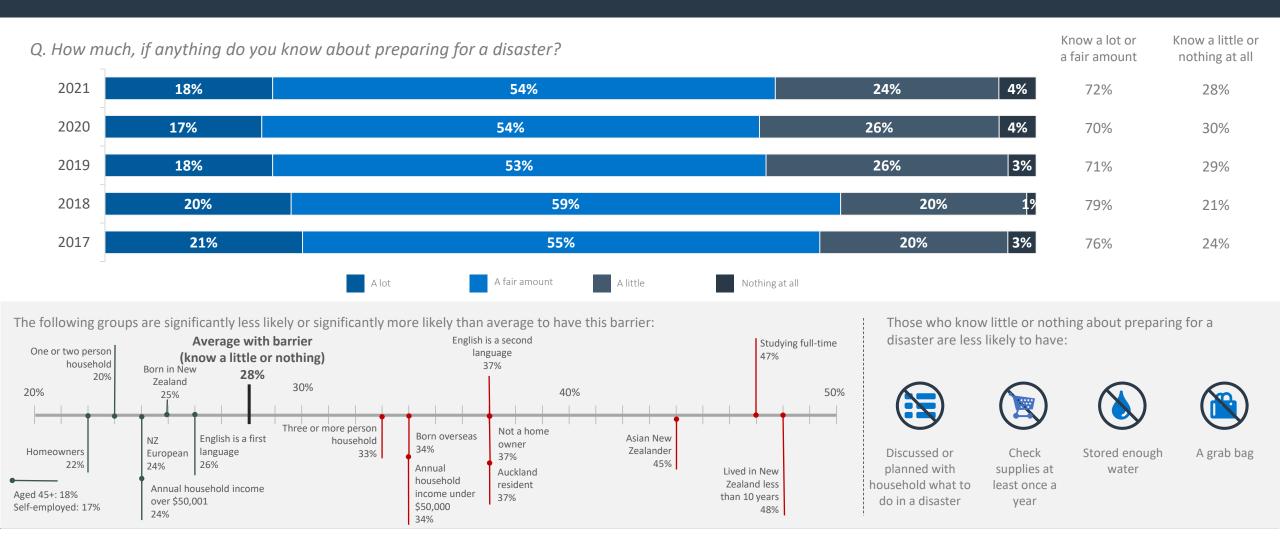




Lack of knowledge – primary barrier



Nearly three in ten New Zealanders know little or nothing about preparing for a disaster, which is their main barrier to getting prepared.





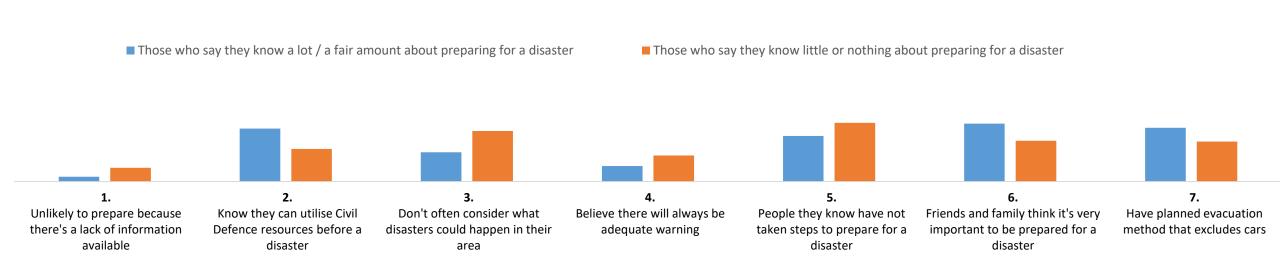


Lack of knowledge – primary barrier, cont.



Knowledge gaps among those who feel they lack knowledge.

There are some key themes for those who say they know little or nothing about preparing for a disaster, when compared to those who say they know a lot or a fair amount: 1) having a lack of information about preparedness and where they can find resources, 2) not having a good understanding of the impacts of a disaster in their neighbourhood and the role of warning systems, 3) their peers not having prepared for a disaster or thinking it's important to prepare.





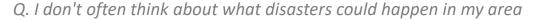


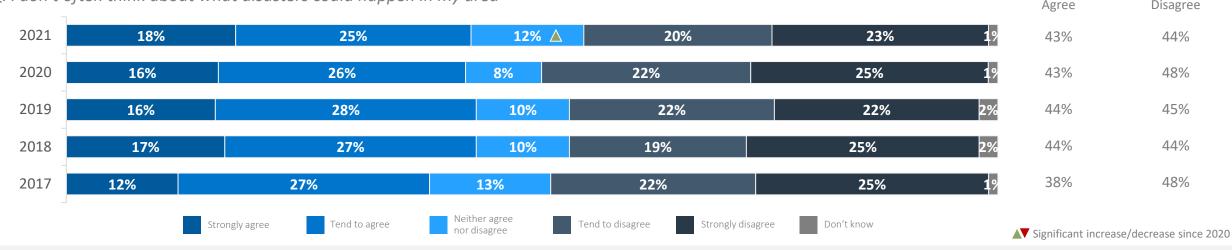


Likelihood of event – secondary barrier

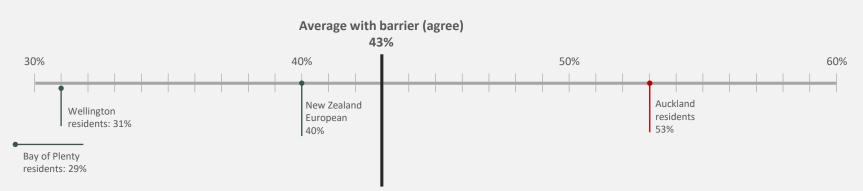


This barrier impacts a large proportion of the New Zealand population. Over four in ten New Zealanders don't often think about what disasters could happen in their area.









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



A grab bag



Stored sufficient water

Discussed or planned with household what to do in a disaster

Check supplies at least once a year



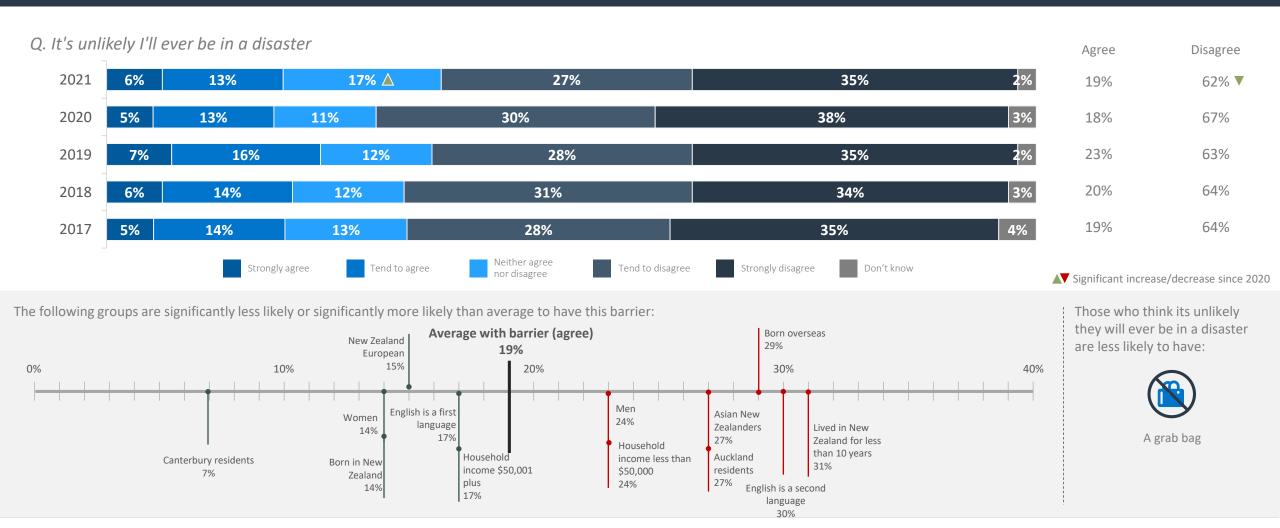




Optimism – secondary barrier



This year fewer New Zealanders disagree it's unlikely they will ever be in a disaster (62%, down from 67% in 2020).







Lower priority barriers









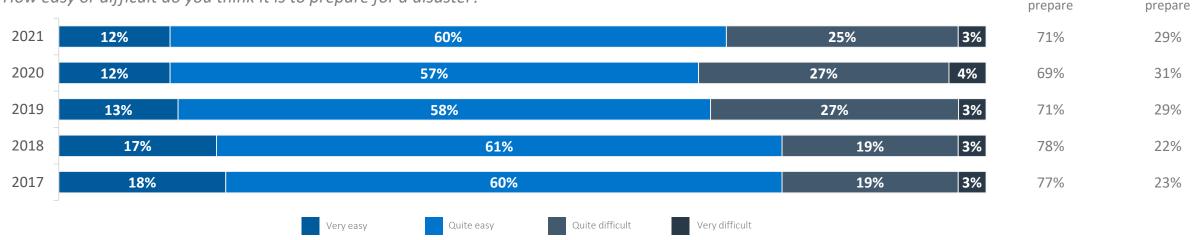




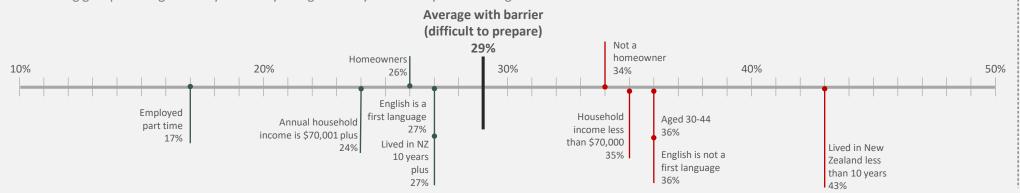
Difficult to

Three in ten New Zealanders feel it is difficult to prepare for a disaster.

Q. How easy or difficult do you think it is to prepare for a disaster?







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

Easy to



Discussed or planned with household what to do in a disaster

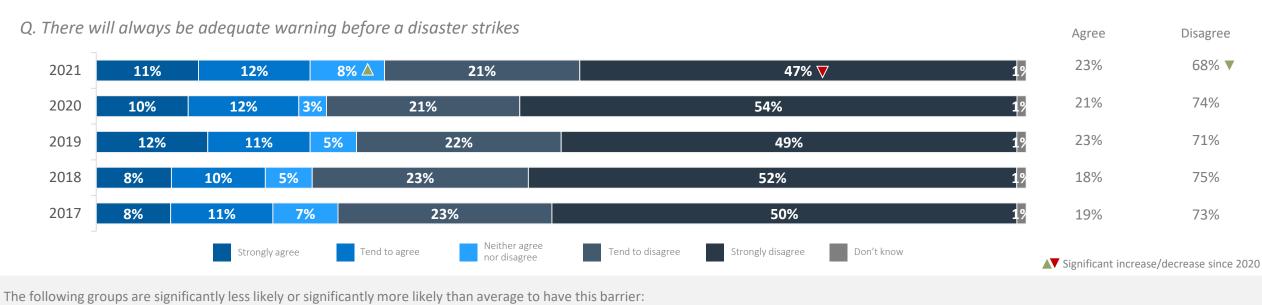




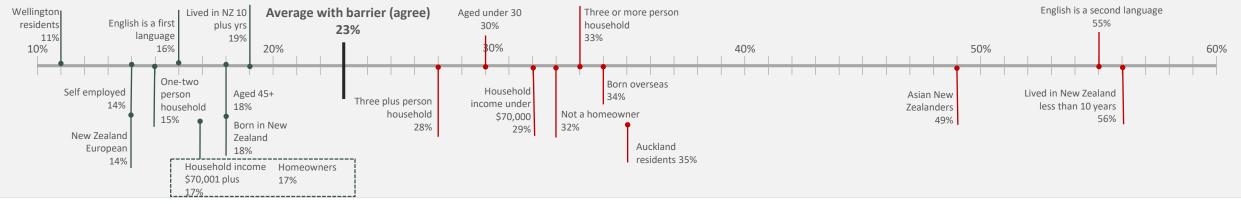




Nearly a quarter of New Zealanders believe there will always be adequate warning before a disaster strikes.











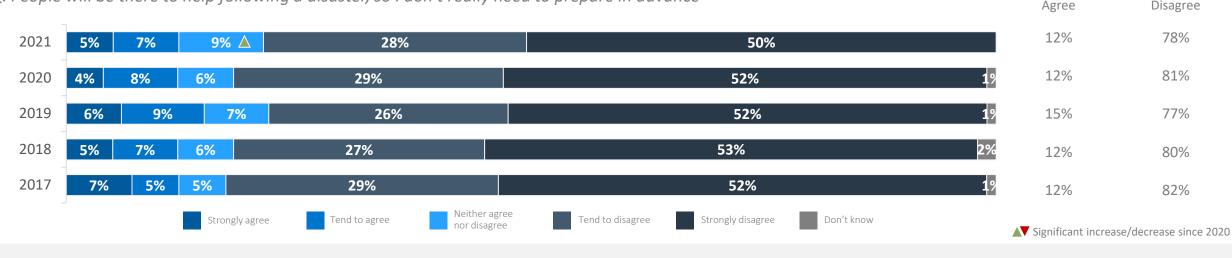


No personal responsibility

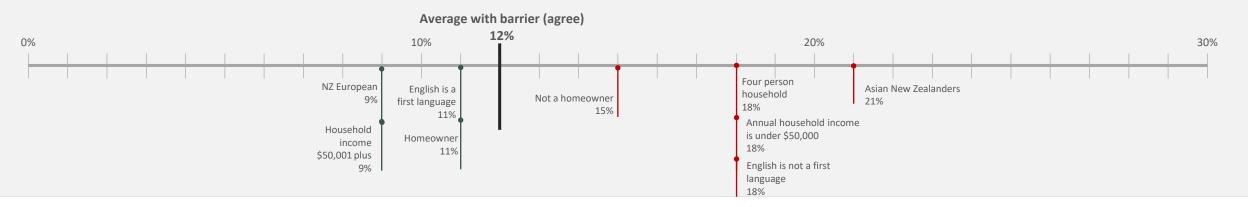


One in ten of the New Zealand population believe others will be there to help them following a disaster so they don't really need to prepare now.

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



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







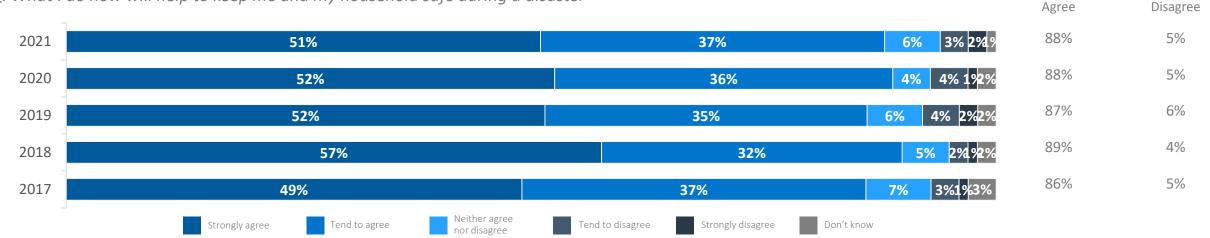


1%



Just five percent of New Zealanders believe prior preparation will not keep themselves and their household safe in a disaster. However, for those who have this barrier it has a large impact on their likelihood to prepare.







Not a homeowner





4%

planned with household what to do in

supplies

water

a disaster

supplies at least once a year

\$30,000

11%

Greatest barriers for those most at risk



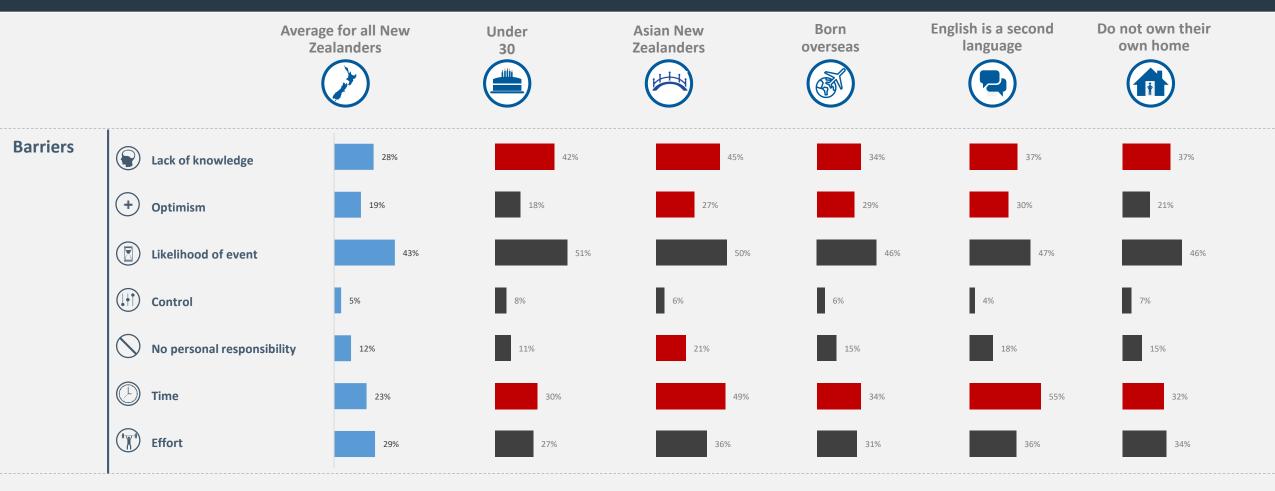






The most at risk groups (i.e. the most under-prepared groups) have similar barriers to the overall population. However, lack of knowledge, time, and thinking there's unlikely to be a disaster tend to be significantly larger barriers for these groups.





■ | Significantly more of a barrier than average



TRIGGERS









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



Triggers



Social norm



Family concern



Family responsibility

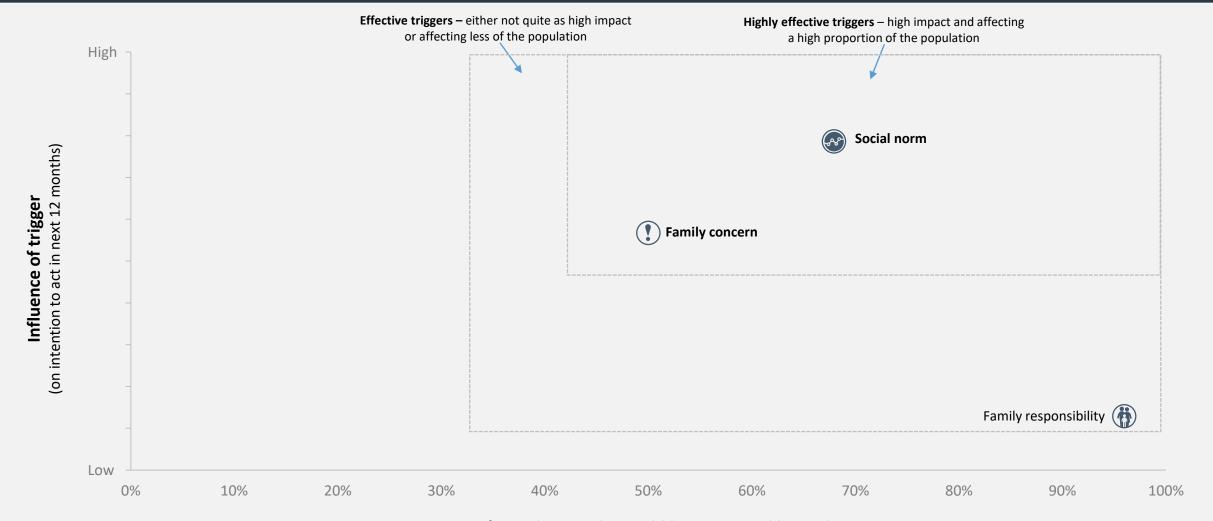
My friends and family think it's very important to be prepared for a disaster (Q6a_6)

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



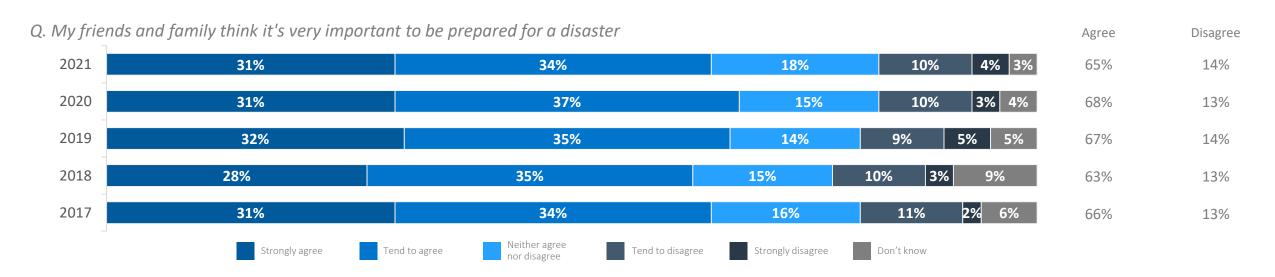




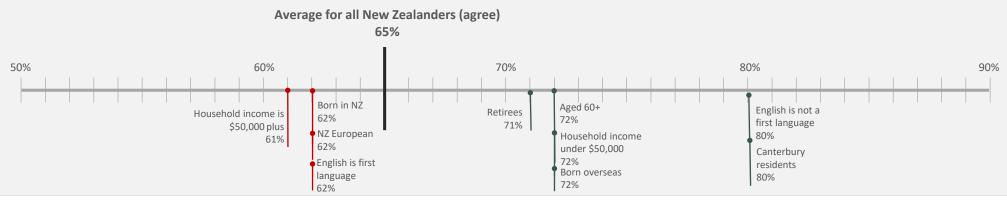




What friends and family think has the largest influence on how likely New Zealanders are to prepare for a disaster. Eight in ten New Zealanders who speak English as a second language say their friends and family think it's important, which may be an effective channel of communication and motivation to get this group prepared.



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







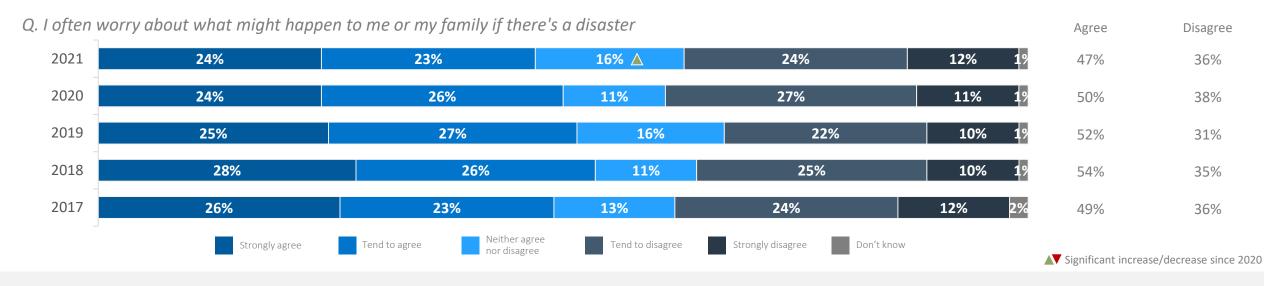
Source: Q6a_6 How much do you agree or disagree with each of the following statements... my friends and family think it's very important to be prepared for a disaster

Base: All respondents (2016, 2017, 2018, n=1,000; 2019 n=1,031; 2020 n=1,001; 2021 n=1,001)

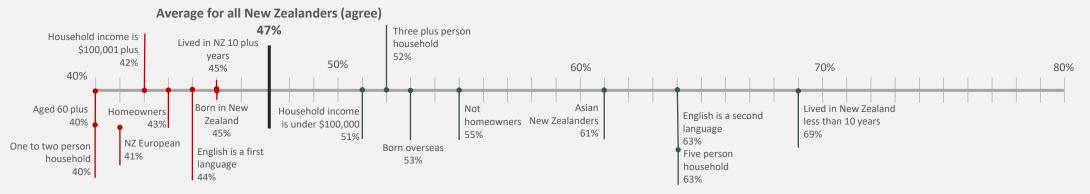




Concern for family is another strong trigger. Those who English is not a first language, those who live in larger households, and those who have lived in the country less than ten years are particularly more likely to be worried about what will happen.



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





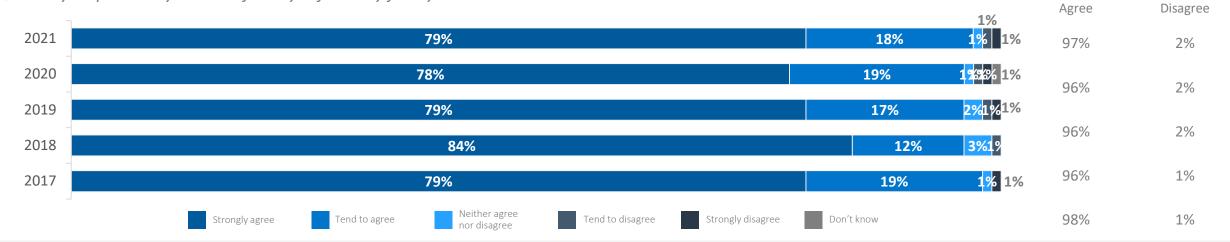




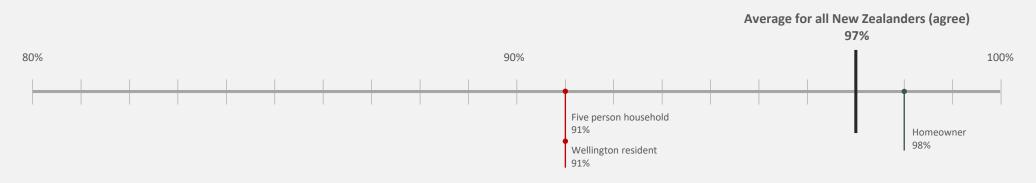


New Zealanders have an almost universal agreement of self responsibility when it comes to looking after themselves and their family in a disaster.

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





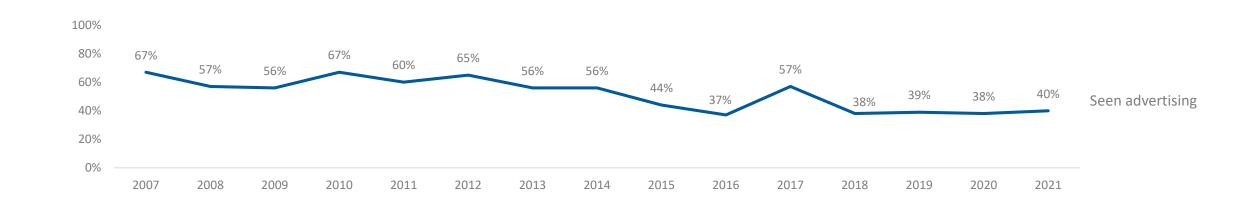




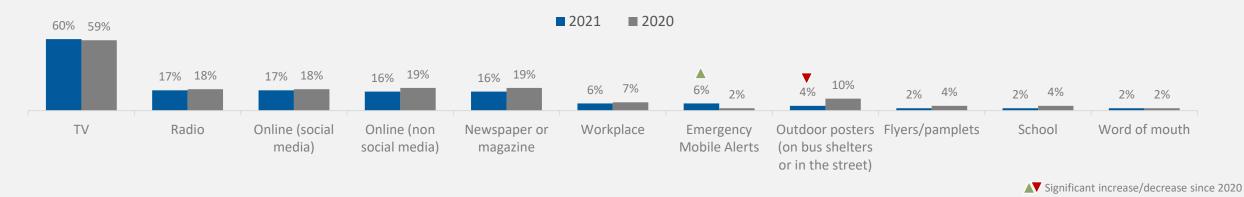
Advertising



Advertising awareness has remained steady for the last four years. Of those who have seen advertising the majority saw it on TV, radio, online, or in newspapers or magazines.



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



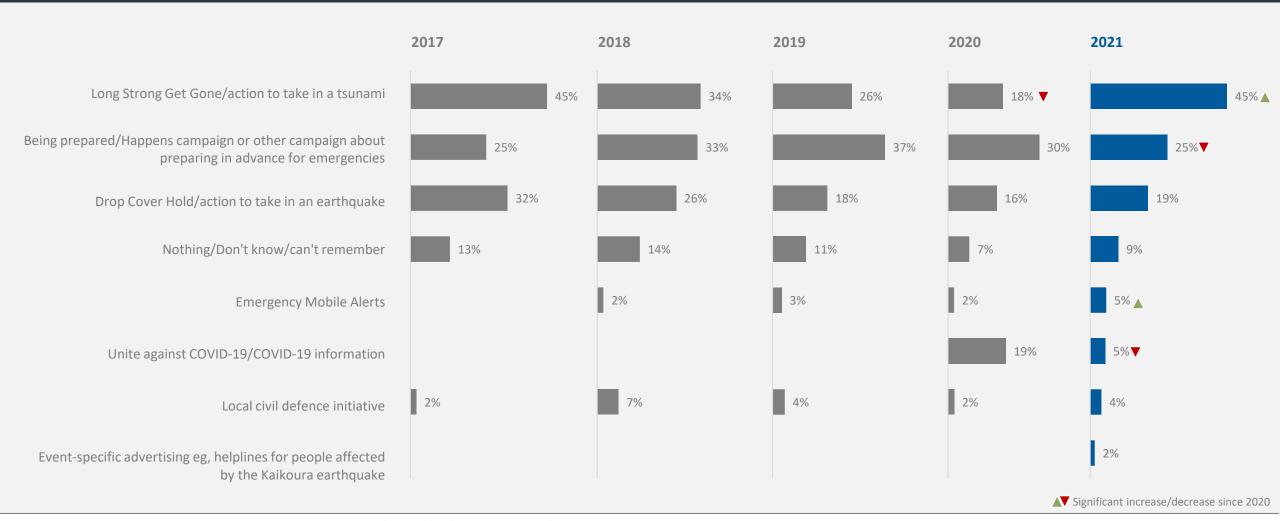




Advertising



This year over four in ten people remember advertising about action to take in a tsunami.





Earthquake drills





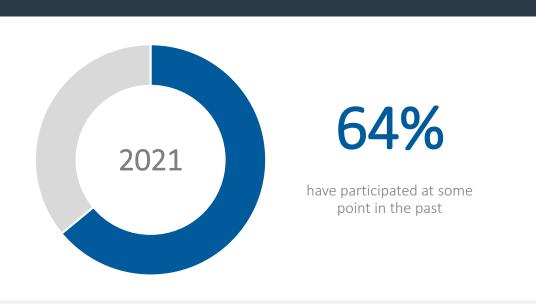


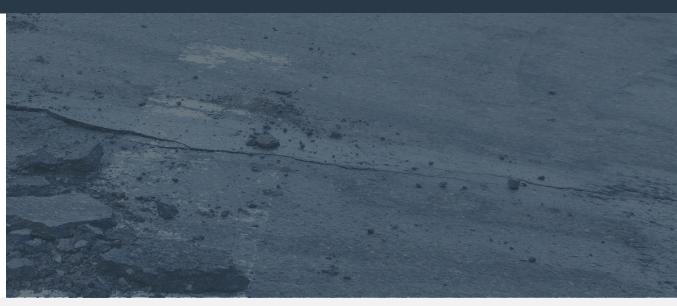


Earthquake drill

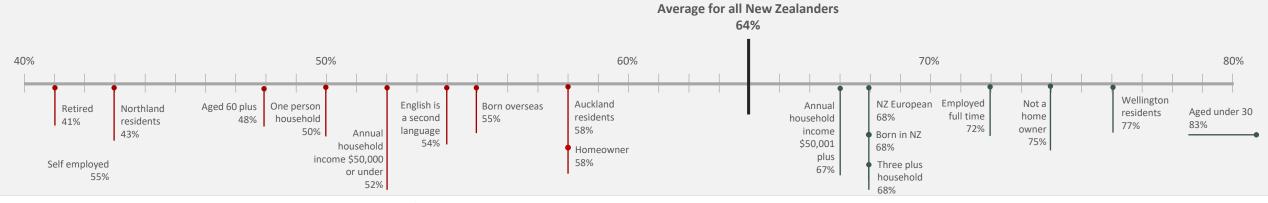


Nearly two thirds of New Zealanders have taken part in an earthquake drill by doing the Drop, Cover, and Hold action at some point.





The following groups are significantly less likely or significantly more likely than average to have ever taken part in a Drop, Cover, and Hold drill:







Information sources





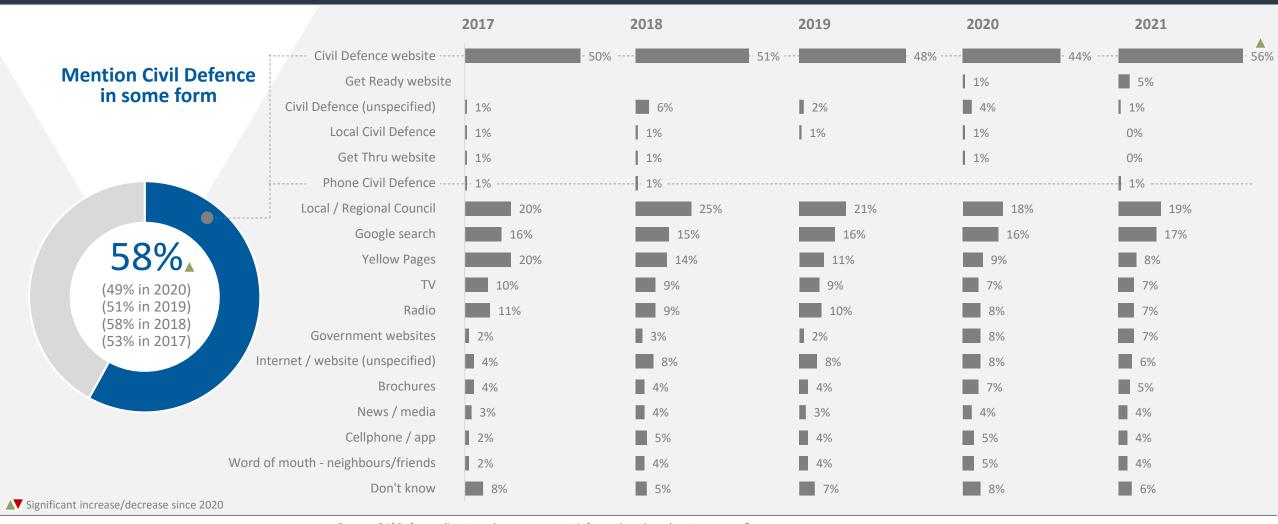




Sources of information before a disaster



There's a significant increase in New Zealanders knowing you can get information from Civil Defence, which is driven by the website being the go-to source for information about disasters before they occur.



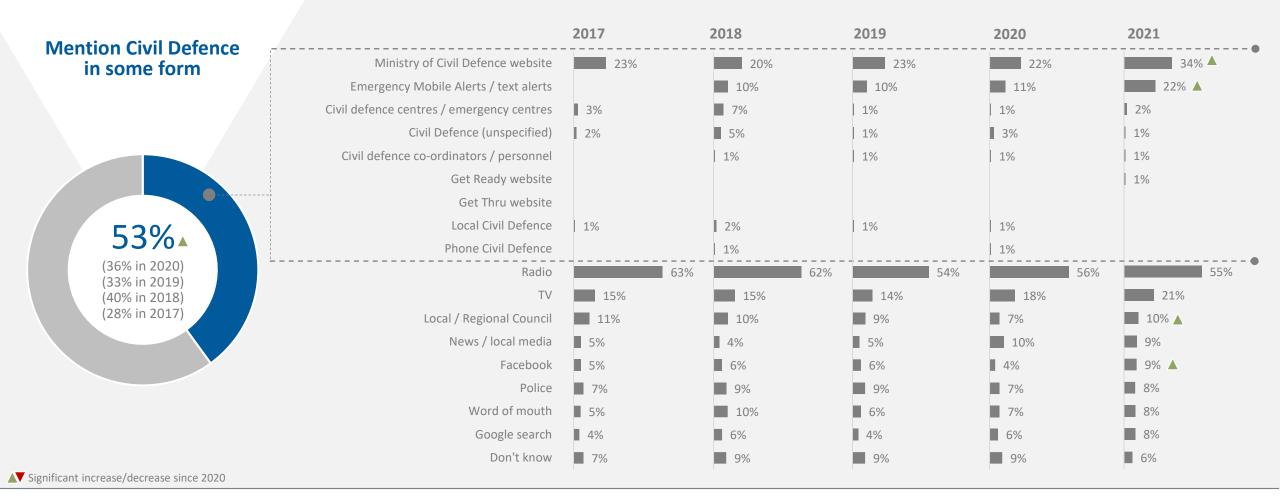




Sources of information during or immediately after a disaster



Over half of New Zealanders say they would get information from Civil Defence during or immediately after a disaster. This increase is driven by more people saying they would utilise the Civil Defence website and get information via EMAs.







Ensuring resilient communities





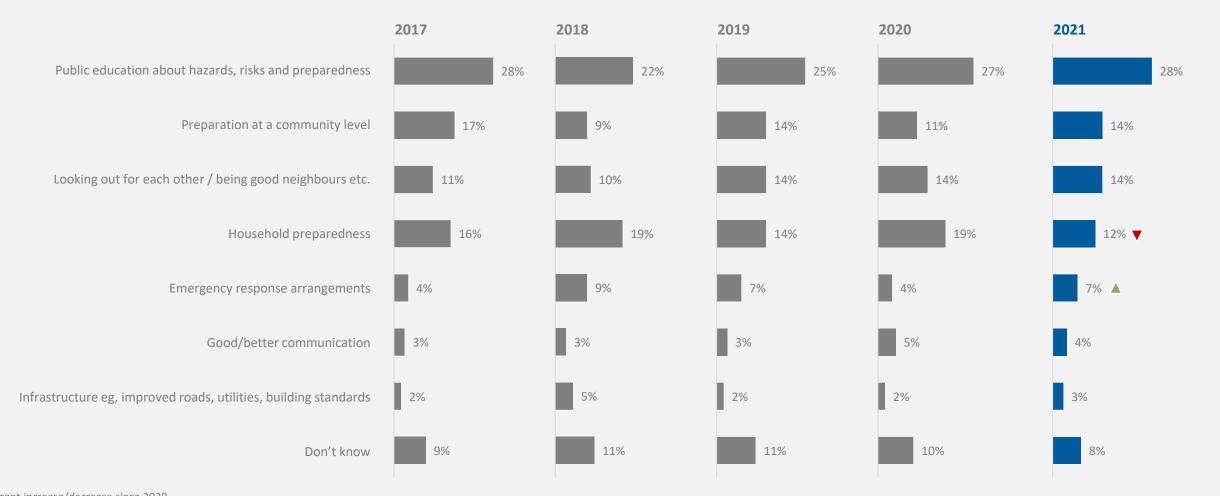




Ensuring resilient communities



Public education about the risks and preparedness continues to be key to ensuring resilient communities.







Emergency situations





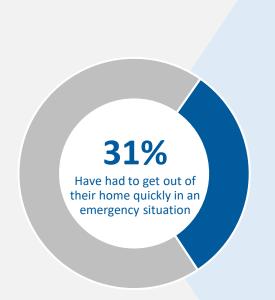


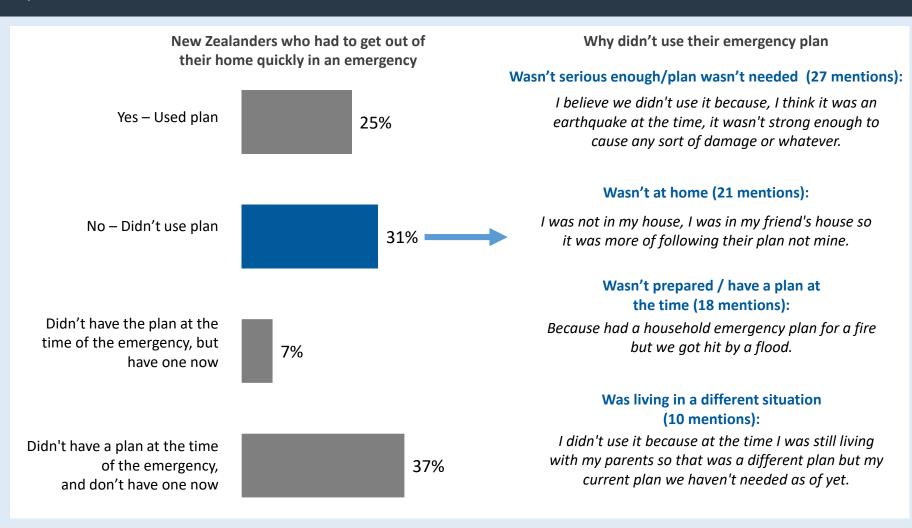


Use of household emergency plans



Three in ten New Zealanders say they have been in a situation which necessitated them getting out of their homes quickly. The main reason those who had a plan didn't use it was because the emergency and outcome didn't warrant it.



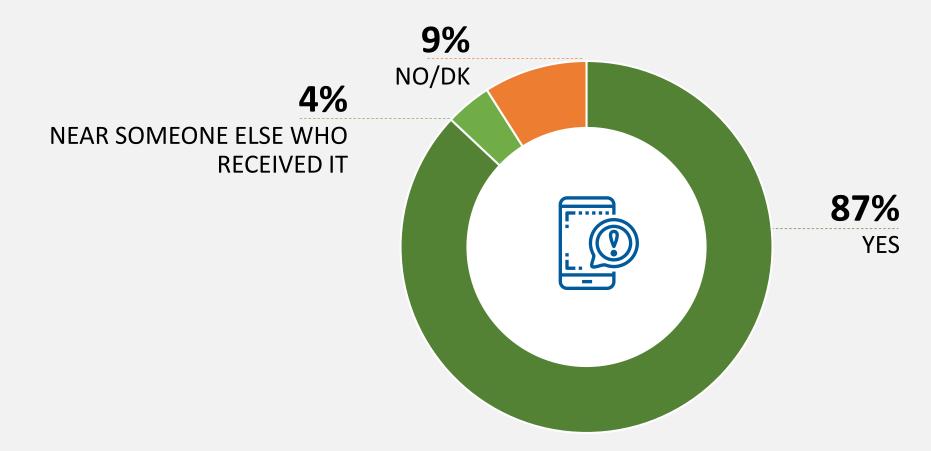




Emergency Mobile Alert



Nine in ten New Zealanders either received a EMA themselves or were near someone who did in the last year.

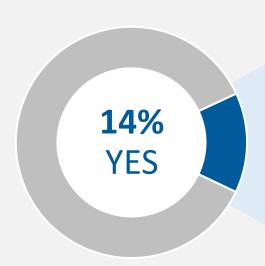




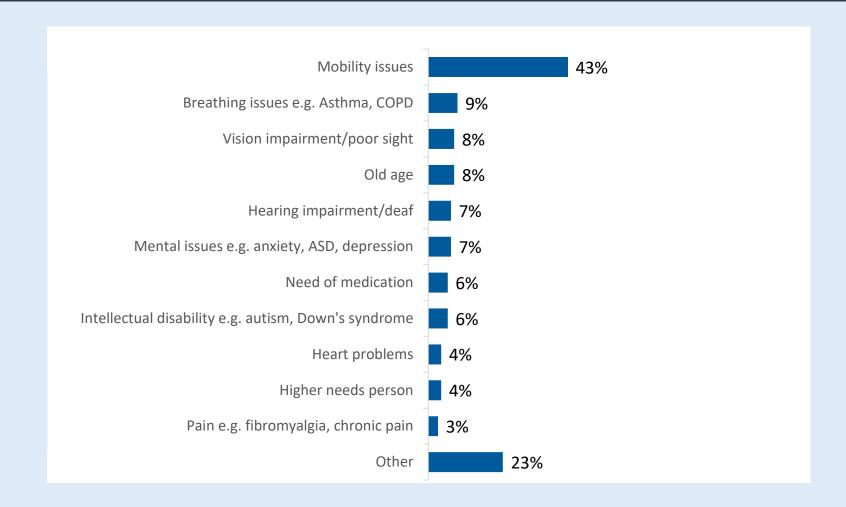
Disability affecting ability to through a disaster



Fourteen percent of New Zealanders say they or someone else in their household has a disability which may impact their ability to get through a disaster.



either I or someone else in household has a disability which may affect ability to get through a disaster





Appendix – Preparedness continuum









Preparedness continuum



Understand the risk

Have taken action to prepare

2021 2020



Aware

Have a good understanding of the types of disasters that could occur in New Zealand, and the chances of them occurring

Understand



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

Committed



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*

Prepared at



Household discussed or planned what to do in a disaster*

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*





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*



▲ Significant increase/decrease since 2020





Preparedness continuum – time series



