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COMMUNITY PREPAREDNESS FOR EMERGENCIES

**WESTERN
AUSTRALIA**

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For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070 or Phillip Punyanitya on Perth (08) 9360 5237.

NOTES

ABOUT THIS PUBLICATION

This publication contains results from the State Supplementary Survey conducted in Western Australia (WA) in October 2007. It presents information on community preparedness for emergencies in WA. Topics covered include statistics on: emergency action plans –such as prearranged exit plans from residences and alternate accommodation arrangements in event of an emergency; transportation needs during evacuation; householders who have caring responsibilities for non-household members; members of households who do not understand English; and the availability of stored drinking water and emergency food stores.

Data items were collected from Any Responsible Adult (ARA) on behalf of the household. A full data item list is available in the Appendix.

ABOUT THE SURVEY

The survey was conducted as a supplement to the ABS Monthly Population Survey. Please refer to the Explanatory Notes at the back of this publication for further details about this survey.



ABBREVIATIONS

- ABS Australian Bureau of Statistics
- ARA any responsible adult
- ASGC Australian Standard Geographical Classification
- MPS Monthly Population Survey
- RSE relative standard error
- SE standard error
- SR statistical region
- WA Western Australia

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SUMMARY OF FINDINGS

COMMUNITY PREPAREDNESS FOR EMERGENCY

This Survey collected information related to emergency situations and involved two separate themes. Firstly, information was gathered about the characteristics of households that emergency authorities would need to know should householders need to be evacuated from their homes. Secondly, the survey assessed how prepared householders were in the event of an emergency, e.g. emergency food and water supplies and contact with the outside world.

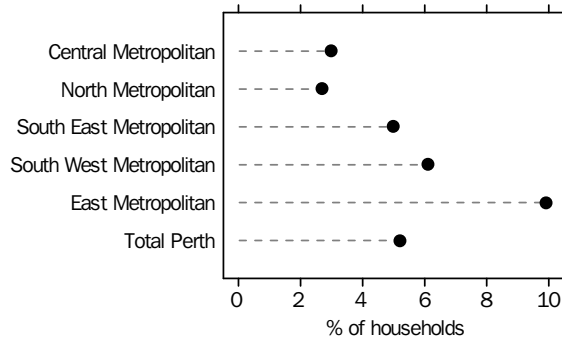
EMERGENCIES

Emergency events can include fires, medical transport and emergencies, rescues, other natural events (such as floods, earthquakes, tsunamis, landslides, heatwaves, cyclones and other storms), consequences of acts of terrorism, technological and hazardous material incidents (such as chemical spills, harmful gas leaks, radiological contamination, explosions and spills of petroleum and petroleum products), and the quarantine and control of diseases and biological contaminants. {From: *Emergency management information development plan, 2006*, cat. no. 1385.0, page 9}

Experienced any major emergencies

In Western Australia (WA), 7.9% (65,100) of households reported having experienced a major emergency. In Perth, 5.2% (31,800) of households had experienced a major emergency. This contrasted with 12.9% (15,800) of households in Lower Western WA, and 21.3% (17,500) in the Remainder – Balance WA. Within the Perth region, experience of major emergencies was highest in East Metropolitan (9.9% or 10,000 households) and South West Metropolitan (6.1% or 8,200) households.

EXPERIENCED ANY MAJOR EMERGENCIES

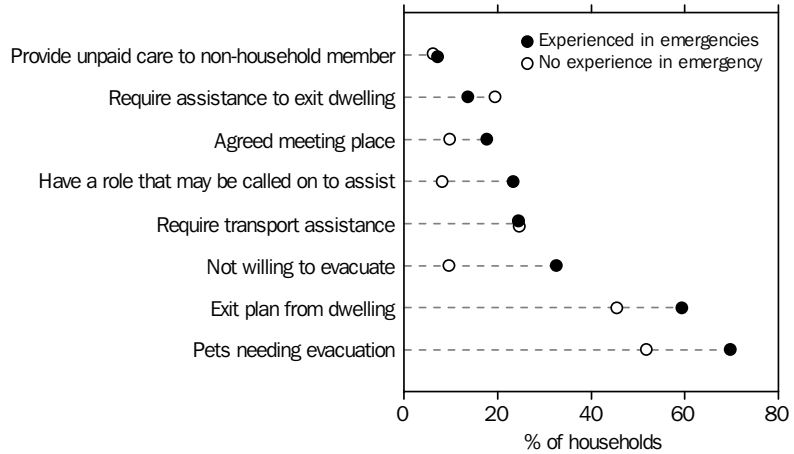


Responses from households that had experienced a major emergency reflected their heightened awareness of the need to be prepared for another such event. As shown in the graph below, among households that had experienced a major emergency, when asked about a future emergency, 59.3% had an exit plan, 32.6% were unwilling to evacuate their home, 23.4% had a household member who may be called upon to assist in an emergency and 17.8% had an agreed place to meet. In contrast, among households that had not experienced a major emergency, the proportions were 45.4%, 9.6%, 8.1% and 9.8% respectively.

SUMMARY OF FINDINGS *continued*

Experienced any major emergencies continued

HOUSEHOLD RESPONSE IN AN EMERGENCY, by Selected items



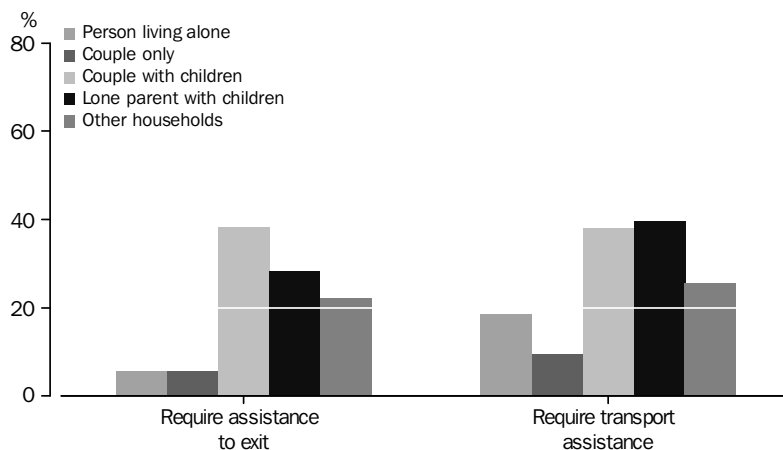
EMERGENCY EVACUATION AND HOUSEHOLD CHARACTERISTICS

The level of success in the management of major emergencies is dependent on a number of important factors relating to the affected households. Some households have specific needs including whether the household requires assistance to exit the dwelling or requires transport assistance, whether the household has access to alternative accommodation and whether they have pets that need evacuation. Other factors can include household members who provide unpaid care to a non-household member, household members who have a role that may be called on to assist in the emergency, household members who do not understand English and lastly households that are unwilling to evacuate.

Required assistance to exit dwelling

Almost one in five (19.0% or 155,300) WA households indicated that some members would need help to get out of their dwellings. The biggest demand for exit assistance came from households with at least one child under 15 years of age where half (52.8% or 118,300), were dependent on assistance if dwelling evacuation was required.

EVACUATION ASSISTANCE, by Household type



Required transport assistance

Some households may require transport assistance to leave the area of an emergency. In WA, 24.6% (201,700) of households said they would require some form of transport assistance. This level of demand was similar throughout the state.

SUMMARY OF FINDINGS *continued*

Required transport assistance continued

The requirement for transport assistance was highest in households with children. Approximately 39.6% of lone parent with children households and 38.0% of couple with children households required transport assistance compared with 9.5% of couple only households.

Access to alternate accommodation

Access to alternate accommodation reduces demand for emergency accommodation. Most Western Australian households (92.1% or 754,300) reported having access to alternate accommodation in the event of a major emergency.

Access to alternate accommodation was lowest among households living in a flat, unit or apartment or other dwelling (87.8%) and households in rented accommodation (88.9%).

Pets needing evacuation

Overall, 53.3% (436,200) of households in WA reported that they had pets that would need evacuation in the event of a major emergency. In the Perth metropolitan area the proportion with pets ranged from 32.6% in the Central Metropolitan region to 57.4% in the East Metropolitan region. Outside of Perth, 60.3% of households in the Lower Western WA region and 62.8% in the Remainder – Balance WA stated that they had pets that would need to be evacuated.

Having pets needing evacuation was highest among couple with children households (67.8%) and lone parent with children households (62.3%), in households living in a separate house (59.6%) and in households in dwellings that were owned outright or being purchased (57.4%).

Unpaid carers to non-household member

Some household members are unpaid carers of one or more people outside their household. If they were evacuated from their home and were unable to return, the people who usually receive their care could also be indirectly affected by an emergency situation.

In WA, 6.3% (51,600) of households had at least one member who looked after or provided unpaid care for someone living in another household. Within the Perth metropolitan area, the proportion ranged from 6.2% in the South West Metropolitan region to 8.4% in the East Metropolitan region.

Household member has role that may be called on in emergency

Respondents were asked whether anyone in their household had a role such as a firefighter, police officer, medical personnel, emergency services officer, volunteer or defence reserves that may require them to assist during an emergency. These people may find themselves called away from their home leaving other household members vulnerable.

Almost one in ten (9.3% or 76,300) WA households had members who had a role that could be called upon during an emergency. In Perth 7.2% of households had a member who could be called on during an emergency compared with 12.6% of households in Lower Western WA and 20.6% of households in Remainder – Balance WA.

The level of participation in activities likely to be called upon in an emergency was higher among households that had experienced a major emergency, 23.4% compared with 8.1% of households that had not experienced an emergency.

SUMMARY OF FINDINGS *continued*

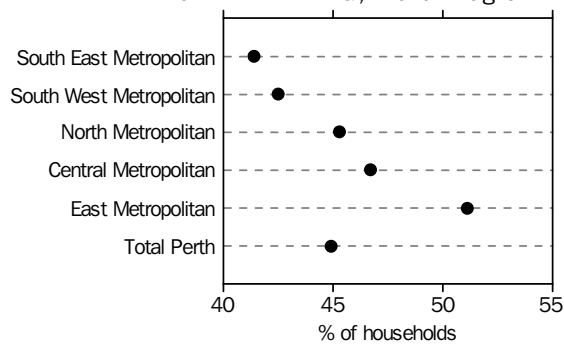
PREPAREDNESS FOR EMERGENCY

Indicators of preparedness for an emergency include whether households had an exit plan, an agreed meeting place, stored water and food, access to communication, a member with a first aid qualification and the keeping together of medication and important documents.

Exit plan

Householders were asked whether they have plans on how to get out of their dwellings if there were an evacuation. Almost half (46.5% or 381,100) WA households reported having such a plan. Within the Perth metropolitan region, the East Metropolitan region had the highest percentage of household with an exit plan (51.1%) followed by the Central Metropolitan region (46.7%) and the North Metropolitan region (45.3%).

EXIT PLAN FROM DWELLING, Perth region



Having an exit plan was highest among person living alone households (62.4%). Of the remaining household types, the proportion with an exit plan ranged from 39.0% for couple with children households to 43.2% for couple only households.

Of households in a separate house, 44.2% had an exit plan compared with 56.6% for households in semi-detached, row or terrace houses and 54.7% in flats/units or apartments and other dwellings.

Agreed meeting place

Householders were asked whether their households had an agreed place to meet if after an emergency evacuation from their home they became separated. In WA, 10.5% (85,800) of households had an agreed place to meet if they became separated following evacuation.

In households that had previously experienced a major emergency the proportion with an agreed meeting place was (17.8%), almost double the proportion found in households that had not faced a major emergency (9.8%).

Available stored drinking water

Most Western Australians get their drinking water from reticulated mains supply. During a major emergency this source may be cut-off or contaminated. Survival may depend on having available potable drinking water. Householders were asked how much water they had stored in bottles, containers or tanks.

Overall, 30.1% (246,100) of WA households had no stored drinking water, 30.2% had between 1 to less than 5 litres and 18.2% had 20 litres or more.

SUMMARY OF FINDINGS *continued*

Available stored drinking water continued

Among households that had experienced a major emergency, 42.1% had 20 or more litres of stored drinking water compared with 16.1% of households that had not experienced an emergency.

Over one fifth (21.5%) of households living in a separate house had 20 or more litres of drinking water compared with 5.3% of households living in semi detached, row or terrace houses and 5.0% in flat and unit apartments or other dwelling types.

Similarly, 20.7% of households living in fully owned or being purchased dwellings had 20 litres or more litres of water stored compared with 10.6% of in rented accommodation.

Food that does not need cooking or refrigeration

In an emergency, cooking facilities and electricity may not be available. Having emergency food, i.e. food that does not need cooking or refrigeration, could be essential for survival.

About one in three (35.9% or 293,600) households had enough emergency food to last 1–3 days, 26.8% had enough to last 7–14 days, 23.6% had 4–6 days supply and 6.2% had supplies for more than 14 days. In 7.2% of households no emergency food was stored.

Within the Perth region, approximately half of the households either had food for 4–6 days (23.7%) or 7–14 days (24.4%), while 37.5% had food for 1–3 days. Households in the Balance of Western Australia were better prepared with 34.3% having sufficient emergency food supplies for 7–14 days.

In households where all members understood English, 93.3% had at least one day's supply of emergency food compared with 77.2% of households where at least one member did not understand English.

First aid qualifications

Householders were asked whether anyone in their household had a first aid qualification.

Slightly more than half of WA households (51.4% or 420,700) included someone who had a first aid qualification. Within Perth, the proportion of households with first aid qualifications ranged from 46.1% in the South East Metropolitan region to 52.9% in the North Metropolitan region. Outside Perth, 59.5% of households in Remainder–Balance WA region had someone with a first aid qualification while the Lower Western WA region reflected the WA average of 51.4%.

Of the 243,100 couple with children households, two-thirds (67.6%) had someone with a first aid qualification. In contrast, 49.3% of lone parent with children households had a first aid qualification. In couple only households and person living alone households the proportion with first aid qualifications were 50.1% and 31.8% respectively.

Storage of medication

Householders were asked whether anyone in their household was on medication for any long term medical conditions (e.g. asthma, epilepsy, diabetes, angina) and if so, whether they keep their medications together so they could be easily collected if an emergency required them to evacuate their home.

In WA, 42.7% (349,600) of households had a family member on medication for a long term medical condition, comprising 40.5% who kept their medication together and 2.2% who did not keep their medication together.

SUMMARY OF FINDINGS *continued*

Keeping documents together

Another indicator of whether householders were prepared for emergencies was whether they kept their important documents, such as wills, passports or insurance policies together so they could be easily located and taken with them in the event of an emergency. Householders who reported that they kept their important documents in premises outside their home (e.g. a bank or in storage) were included with those who kept their documents together at home.

The majority of households (81.8% or 669,600) in WA reported that they kept their important documents together.

Communication

For authorities to transmit information relating to emergency situations and for households to receive information about the level of the emergency and evacuation procedures, communication is essential. Respondents were asked whether they had a portable radio with working batteries (in the event of electricity cuts), the type of landline telephone if any, that was in their household, how many mobile telephones their household had and whether they had access to the internet.

PORTABLE RADIO — Almost half (47.7% or 390,700) of WA households did not have a portable radio with working batteries. Not having a portable radio with working batteries was less common in couple only households (37.8%) and more common among households in rented dwellings (55.6%).

LANDLINE TELEPHONES — In WA, 89.3% (731,600) of households had a landline telephone connection comprising 32.6% with a cordless handset, 20.8% with a fixed handset and 35.9% with both types of handsets.

MOBILE TELEPHONES — Three in five (60.5% or 495,100) WA households had more than one mobile telephone, 29.6% had one mobile telephone and 10% had none.

In households where all members understood English 60.8% had more than one mobile telephone, 29.4% had one and 9.8% had none. In households where there was a member who did not understand English the proportions were 49.5%, 34.6% and 16.0% respectively.

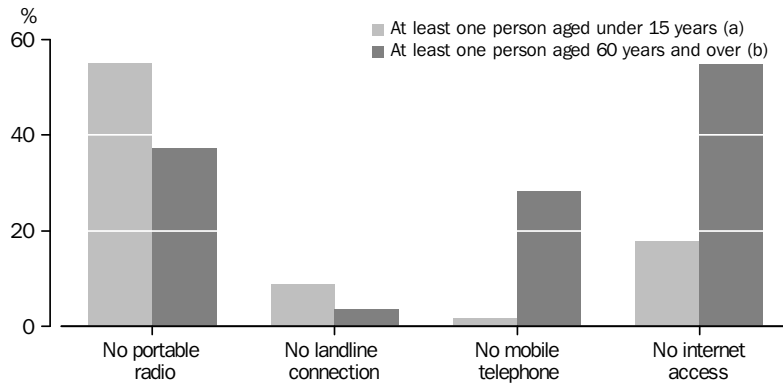
Families with children represented households with the highest level of multiple mobile telephones. Of couple with children households, 91.7% had more than one mobile telephone, compared with 66.0% of lone parent with children households and 65.7% of couple only households.

INTERNET ACCESS — One in three (32.3% or 264,700) households in WA did not have internet access. More than half (58.3%) person living alone households were without internet access. In contrast, among couple with children households 10.8% were without the service. For couple only households and lone parent with children households the proportion having no internet access were 31.0% and 33.1% respectively.

SUMMARY OF FINDINGS *continued*

Communication *continued*

EMERGENCY PREPAREDNESS, Access to communication



(a) May also have persons aged 60 years and over.

(b) May also have persons aged under 15 years.

Age of household members was a distinctive factor in levels of access to communication. Access to the modern methods of communication such as mobile telephones and the internet was more prevalent among younger households. In households where there was at least one child under 15 years of age, 1.7% had no access to a mobile telephone and 17.7% had no internet access. In contrast, where a household contained at least one person aged 60 years and over, 28.2% had no mobile telephone and 54.7% had no internet access.

For portable radios and landline telephone connection the reverse was the case. In households where there was at least one child under 15 years of age, 55.0% had no portable radio with working batteries, 8.7% had no landline telephone connection, while in households with at least one person aged 60 years or over 37.1% had no portable radio and 3.7% had no landline connection.

Torch for ready use

One aspect of preparedness for an emergency is having a torch which is ready to use in the home, in the event of power failure during darkness. In WA, 89.0% (729,100) of households had a torch that was ready to use.

Having no torch ready for use was reported by 24.4% of households in flats, units and apartments and other dwellings, 18.3% in semi-detached, row or terrace house etc. and 8.4% of households in a separate house.

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PERTH METROPOLITAN REGION

Central Metropolitan East Metropolitan North Metropolitan South West Metropolitan South East Metropolitan Perth

HOUSEHOLDS ('000)

Experienced any major emergencies	*1.7	10.0	*4.9	8.2	*7.0	31.8
Require assistance to exit dwelling	9.1	18.9	33.7	30.9	26.2	118.7
Require transport assistance	13.2	24.4	41.9	35.3	36.5	151.3
Have access to alternate accommodation	51.3	93.6	168.8	120.9	129.3	564.0
Pets needing evacuation	18.5	58.2	90.1	71.0	73.3	311.1
Provide unpaid care to non-household member	3.9	8.5	11.9	8.3	9.7	42.2
Have a role that may be called on to assist	4.4	7.6	13.4	10.6	8.0	44.0
Unable to understand English	*3.4	3.5	5.8	3.7	5.1	21.6
Not willing to evacuate	4.3	16.5	11.7	12.1	12.6	57.2
<i>Total households</i>	56.9	101.3	181.9	134.8	140.0	614.9

PROPORTION (%)

Experienced any major emergencies	*3.0	9.9	*2.7	6.1	*5.0	5.2
Require assistance to exit dwelling	15.9	18.6	18.5	22.9	18.7	19.3
Require transport assistance	23.1	24.1	23.0	26.2	26.1	24.6
Have access to alternate accommodation	90.2	92.4	92.8	89.7	92.4	91.7
Pets needing evacuation	32.6	57.4	49.5	52.7	52.3	50.6
Provide unpaid care to non-household member	6.9	8.4	6.5	6.2	6.9	6.9
Have a role that may be called on to assist	7.7	7.5	7.4	7.9	5.7	7.2
Unable to understand English	*6.0	3.4	3.2	2.8	3.7	3.5
Not willing to evacuate	7.6	16.3	6.4	9.0	9.0	9.3
<i>Total households</i>	100.0	100.0	100.0	100.0	100.0	100.0

* estimate has a relative standard error of 25% to 50% and should be used with caution

NON-METROPOLITAN REGION				
	<i>Lower Western WA</i>	<i>Remainder - Balance WA</i>	<i>Balance of Western Australia (a)</i>	<i>Western Australia</i>
HOUSEHOLDS ('000)				
Experienced any major emergencies	15.8	17.5	33.3	65.1
Require assistance to exit dwelling	19.3	17.3	36.6	155.3
Require transport assistance	28.2	22.2	50.5	201.7
Have access to alternate accommodation	114.6	75.7	190.3	754.3
Pets needing evacuation	73.5	51.6	125.1	436.2
Provide unpaid care to non-household member	4.7	*4.6	9.4	51.6
Have a role that may be called on to assist	15.4	16.9	32.3	76.3
Unable to understand English	*1.5	*2.2	*3.8	25.3
Not willing to evacuate	24.2	12.0	36.2	93.4
<i>Total households</i>	<i>121.9</i>	<i>82.1</i>	<i>204.1</i>	<i>818.9</i>
PROPORTION (%)				
Experienced any major emergencies	12.9	21.3	16.3	7.9
Require assistance to exit dwelling	15.8	21.1	17.9	19.0
Require transport assistance	23.1	27.1	24.7	24.6
Have access to alternate accommodation	94.0	92.1	93.2	92.1
Pets needing evacuation	60.3	62.8	61.3	53.3
Provide unpaid care to non-household member	3.9	5.6	4.6	6.3
Have a role that may be called on to assist	12.6	20.6	15.8	9.3
Unable to understand English	*1.2	*2.7	*1.8	3.1
Not willing to evacuate	19.8	14.6	17.7	11.4
<i>Total households</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>
* estimate has a relative standard error of 25% to 50% and should be used with caution				
(a) Total non-metropolitan region.				

3

EVACUATION AND SELECTED HOUSEHOLD CHARACTERISTICS, by experience in major emergencies—WA

	<i>Experienced a major emergency</i>	<i>Never experienced a major emergency</i>	<i>Total</i>
.....			
HOUSEHOLDS ('000)			
Require assistance to exit dwelling	8.9	146.4	155.3
Require transport assistance	16.0	185.8	201.7
Have access to alternate accommodation	59.5	694.8	754.3
Pets needing evacuation	45.4	390.8	436.2
Provide unpaid care to non-household member	4.7	46.9	51.6
Have a role that may be called on to assist	15.2	61.1	76.3
Unable to understand English	*0.9	24.5	25.3
Not willing to evacuate	21.2	72.2	93.4
<i>Total households</i>	<i>65.1</i>	<i>753.9</i>	<i>818.9</i>
.....			
PROPORTION (%)			
Require assistance to exit dwelling	13.7	19.4	19.0
Require transport assistance	24.5	24.6	24.6
Have access to alternate accommodation	91.5	92.2	92.1
Pets needing evacuation	69.7	51.8	53.3
Provide unpaid care to non-household member	7.2	6.2	6.3
Have a role that may be called on to assist	23.4	8.1	9.3
Unable to understand English	*1.3	3.2	3.1
Not willing to evacuate	32.6	9.6	11.4
<i>Total households</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>

* estimate has a relative standard error of 25% to 50% and should be used with caution

	<i>Exit plan</i>	<i>No exit plan</i>	<i>Total</i>
.....			
HOUSEHOLDS ('000)			
Experienced any major emergencies	38.6	26.5	65.1
Require assistance to exit dwelling	66.3	89.1	155.3
Require transport assistance	93.7	108.0	201.7
Have access to alternate accommodation	354.9	399.4	754.3
Pets needing evacuation	195.9	240.3	436.2
Provide unpaid care to non-household member	27.0	24.6	51.6
Have a role that may be called on to assist	43.6	32.7	76.3
Unable to understand English	9.1	16.2	25.3
Not willing to evacuate	48.1	45.3	93.4
<i>Total households</i>	<i>381.1</i>	<i>437.8</i>	<i>818.9</i>
.....			
PROPORTION (%)			
Experienced any major emergencies	10.1	6.1	7.9
Require assistance to exit dwelling	17.4	20.3	19.0
Require transport assistance	24.6	24.7	24.6
Have access to alternate accommodation	93.1	91.2	92.1
Pets needing evacuation	51.4	54.9	53.3
Provide unpaid care to non-household member	7.1	5.6	6.3
Have a role that may be called on to assist	11.5	7.5	9.3
Unable to understand English	2.4	3.7	3.1
Not willing to evacuate	12.6	10.4	11.4
<i>Total households</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>
.....			

EVACUATION AND SELECTED HOUSEHOLD CHARACTERISTICS, by age group—WA

	NO PERSONS UNDER 15 YEARS OF AGE		AT LEAST ONE PERSON UNDER 15 YEARS OF AGE		Total households	At least one person aged 60 years and over (a)	At least one person aged 60 years and over (b)
	No persons aged 60 years and over	At least one person aged 60 years and over	No persons aged 60 years and over	At least one person aged 60 years and over			

HOUSEHOLDS ('000)

Experienced any major emergencies	27.8	19.2	np	np	65.1	18.1	19.5
Require assistance to exit dwelling	9.7	27.3	114.6	*3.7	155.3	118.3	31.0
Require transport assistance	40.1	49.1	108.7	*3.8	201.7	112.5	52.9
Have access to alternate accommodation	337.2	211.0	199.2	6.8	754.3	206.0	217.8
Pets needing evacuation	192.5	94.8	143.4	5.6	436.2	149.0	100.4
Provide unpaid care to non-household member	27.5	13.1	np	np	51.6	11.0	13.5
Have a role that may be called on to assist	40.1	12.6	np	np	76.3	23.6	12.8
Unable to understand English	9.2	8.4	7.7	—	25.3	7.7	8.4
Not willing to evacuate	44.7	32.1	15.4	*1.2	93.4	16.6	33.3
<i>Total households</i>	<i>364.0</i>	<i>231.1</i>	<i>216.2</i>	<i>7.7</i>	<i>818.9</i>	<i>223.9</i>	<i>238.7</i>

PROPORTION (%)

Experienced any major emergencies	7.6	8.3	np	np	7.9	8.1	8.2
Require assistance to exit dwelling	2.7	11.8	53.0	48.2	19.0	52.8	13.0
Require transport assistance	11.0	21.2	50.3	49.4	24.6	50.3	22.1
Have access to alternate accommodation	92.6	91.3	92.2	88.7	92.1	92.0	91.2
Pets needing evacuation	52.9	41.0	66.3	72.9	53.3	66.5	42.0
Provide unpaid care to non-household member	7.5	5.7	np	np	6.3	4.9	5.7
Have a role that may be called on to assist	11.0	5.4	np	np	9.3	10.6	5.4
Unable to understand English	2.5	3.6	3.6	—	3.1	3.4	3.5
Not willing to evacuate	12.3	13.9	7.1	*15.6	11.4	7.4	14.0
<i>Total households</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>

* estimate has a relative standard error of 25% to 50% and should be used with caution
 — nil or rounded to zero (including null cells)
 np not available for publication but included in totals where applicable, unless otherwise indicated
 (a) May also have persons aged 60 years and over.
 (b) May also have persons aged under 15 years.

EVACUATION AND SELECTED HOUSEHOLD CHARACTERISTICS, by household type—WA

	<i>Person living alone</i>	<i>Couple only</i>	<i>Couple with children (a)</i>	<i>Lone parent with children (a)</i>	<i>Other household types</i>	<i>Total</i>
HOUSEHOLDS ('000)						
Experienced any major emergencies	15.4	19.1	20.2	4.8	5.6	65.1
Require assistance to exit dwelling	12.1	12.0	93.2	22.1	16.0	155.3
Require transport assistance	39.7	20.1	92.5	31.0	18.5	201.7
Have access to alternate accommodation	198.5	195.3	224.5	73.1	62.9	754.3
Pets needing evacuation	78.1	106.8	164.8	48.6	37.9	436.2
Provide unpaid care to non-household member	14.7	14.7	13.1	5.2	*3.8	51.6
Have a role that may be called on to assist	13.3	21.4	29.3	6.0	6.3	76.3
Unable to understand English	6.0	4.6	8.5	3.4	*2.8	25.3
Not willing to evacuate	30.3	28.0	24.8	4.0	6.4	93.4
<i>Total households</i>	<i>214.8</i>	<i>210.7</i>	<i>243.1</i>	<i>78.1</i>	<i>72.2</i>	<i>818.9</i>
PROPORTION (%)						
Experienced any major emergencies	7.2	9.0	8.3	6.2	7.8	7.9
Require assistance to exit dwelling	5.6	5.7	38.3	28.3	22.2	19.0
Require transport assistance	18.5	9.5	38.0	39.6	25.7	24.6
Have access to alternate accommodation	92.4	92.7	92.3	93.5	87.2	92.1
Pets needing evacuation	36.3	50.7	67.8	62.3	52.5	53.3
Provide unpaid care to non-household member	6.9	7.0	5.4	6.7	*5.3	6.3
Have a role that may be called on to assist	6.2	10.1	12.1	7.6	8.8	9.3
Unable to understand English	2.8	2.2	3.5	4.4	*3.9	3.1
Not willing to evacuate	14.1	13.3	10.2	5.1	8.8	11.4
<i>Total households</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>

* estimate has a relative standard error of 25% to 50% and should be used with caution

(a) May include children under 15 years, dependent students and non-dependent children.

EVACUATION AND SELECTED HOUSEHOLD CHARACTERISTICS, by tenure type—WA

	Fully owned, or being purchased	Rented	Other(a)	Total
HOUSEHOLDS ('000)				
Experienced any major emergencies	50.9	12.1	*2.1	65.1
Require assistance to exit dwelling	109.5	44.7	*1.2	155.3
Require transport assistance	136.8	63.5	*1.4	201.7
Have access to alternate accommodation	550.8	193.6	9.9	754.3
Pets needing evacuation	339.5	92.8	3.9	436.2
Provide unpaid care to non-household member	42.1	np	np	51.6
Have a role that may be called on to assist	60.1	15.0	**1.2	76.3
Unable to understand English	17.4	8.0	—	25.3
Not willing to evacuate	78.3	13.2	*1.9	93.4
<i>Total households</i>	590.9	217.7	10.4	818.9
PROPORTION (%)				
Experienced any major emergencies	8.6	5.6	*20.2	7.9
Require assistance to exit dwelling	18.5	20.5	*11.4	19.0
Require transport assistance	23.1	29.2	*14.0	24.6
Have access to alternate accommodation	93.2	88.9	95.9	92.1
Pets needing evacuation	57.4	42.7	*37.5	53.3
Provide unpaid care to non-household member	7.1	np	np	6.3
Have a role that may be called on to assist	10.2	6.9	*11.8	9.3
Unable to understand English	2.9	3.7	—	3.1
Not willing to evacuate	13.2	6.1	**18.2	11.4
<i>Total households</i>	100.0	100.0	100.0	100.0

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 ** estimate has a relative standard error greater than 50% and is considered too unreliable for general use
 — nil or rounded to zero (including null cells)
 np not available for publication but included in totals where applicable, unless otherwise indicated
 (a) Includes life tenure scheme, rent-free, other tenure types and inadequately described arrangements.

	Separate house	Semi-detached, row or terrace house town house, etc.	Flat, unit apartment and other dwelling	Total
HOUSEHOLDS ('000)				
Experienced any major emergencies	59.0	*3.2	*2.8	65.1
Require assistance to exit dwelling	135.5	12.7	7.2	155.3
Require transport assistance	162.6	23.0	16.1	201.7
Have access to alternate accommodation	602.2	88.0	64.1	754.3
Pets needing evacuation	388.2	32.5	15.5	436.2
Provide unpaid care to non-household member	41.4	5.9	4.2	51.6
Have a role that may be called on to assist	66.8	*4.3	5.2	76.3
Unable to understand English	17.6	*3.6	*4.2	25.3
Not willing to evacuate	83.9	6.0	3.5	93.4
<i>Total households</i>	651.0	94.9	73.0	818.9
PROPORTION (%)				
Experienced any major emergencies	9.1	*3.4	*3.9	7.9
Require assistance to exit dwelling	20.8	13.3	9.8	19.0
Require transport assistance	25.0	24.3	22.0	24.6
Have access to alternate accommodation	92.5	92.7	87.8	92.1
Pets needing evacuation	59.6	34.2	21.3	53.3
Provide unpaid care to non-household member	6.4	6.2	5.8	6.3
Have a role that may be called on to assist	10.3	4.6	7.1	9.3
Unable to understand English	2.7	*3.8	5.7	3.1
Not willing to evacuate	12.9	6.3	4.8	11.4
<i>Total households</i>	100.0	100.0	100.0	100.0

* estimate has a relative standard error of 25% to 50% and should be used with caution

PERTH METROPOLITAN REGION

	Central Metropolitan	East Metropolitan	North Metropolitan	South West Metropolitan	South East Metropolitan	Perth
HOUSEHOLDS ('000)						
Exit plan from dwelling	26.6	51.8	82.4	57.3	57.9	276.0
Agreed meeting place	*4.3	12.3	20.4	11.4	14.3	62.7
Available stored drinking water						
No stored drinking water	21.5	26.3	59.1	47.4	48.5	202.9
Stored drinking water but less than 1 litre	4.2	*2.7	8.2	6.0	6.2	27.3
1 to less than 5 litres	18.0	38.4	68.7	45.3	40.0	210.4
5 to less than 10 litres	*6.0	11.8	20.2	18.5	18.6	75.2
10 to less than 20 litres	*3.4	5.0	11.9	5.7	8.3	34.3
20 litres or more	*3.3	17.0	13.4	10.3	17.1	60.9
Stored drinking water but quantity not known	np	np	np	**1.5	*1.3	*3.7
Food that does not need cooking or refrigeration						
No food of this type	6.2	7.2	13.3	12.4	12.1	51.2
1–3 days	24.1	37.0	70.3	47.5	51.8	230.7
4–6 days	13.8	27.1	38.9	34.7	31.4	145.9
7–14 days	10.4	23.1	46.2	33.0	37.0	149.7
More than 14 days	*2.0	6.7	12.9	5.9	7.5	34.9
Food of this type but quantity not known	np	np	np	*1.3	np	*2.4
No portable radio with working batteries	26.2	47.0	93.8	58.2	66.7	291.9
Access to mobile phone						
No mobile phones	5.9	13.0	13.7	11.7	12.0	56.3
One mobile phone	19.2	30.6	53.7	34.7	37.3	175.4
More than one mobile phone	31.8	57.8	114.5	88.3	90.7	383.1
Landline telephone						
No landline telephone connection	5.8	9.5	18.1	12.6	14.0	60.0
Cordless handset	18.1	28.2	68.3	50.8	45.8	211.2
Fixed handset	10.5	23.1	37.1	23.9	29.7	124.3
Both cordless and fixed handsets	22.4	40.6	58.1	47.3	50.4	218.9
No internet access	14.0	38.8	50.3	40.2	44.7	187.9
First aid qualification	26.4	51.7	96.3	70.3	64.6	309.2
On medication for long term medical condition	18.8	47.3	73.6	57.0	59.2	255.8
Keeps medication together	17.9	44.3	69.5	55.2	55.5	242.5
Does not keep medication together	*0.9	*3.0	4.0	*1.8	*3.7	13.3
Keep important documents together	45.1	83.7	151.9	108.1	109.9	498.9
No torch for ready use	8.5	12.0	22.5	13.7	20.0	76.6
Total households	56.9	101.3	181.9	134.8	140.0	614.9

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PERTH METROPOLITAN REGION

	Central Metropolitan	East Metropolitan	North Metropolitan	South West Metropolitan	South East Metropolitan	Perth
PROPORTION (%)						
Exit plan from dwelling	46.7	51.1	45.3	42.5	41.4	44.9
Agreed meeting place	7.6	12.1	11.2	8.5	10.2	10.2
Available stored drinking water						
No stored drinking water	37.8	26.0	32.5	35.2	34.7	33.0
Stored drinking water but less than 1 litre	7.4	*2.6	4.5	4.5	4.4	4.4
1 to less than 5 litres	31.7	37.9	37.8	33.6	28.6	34.2
5 to less than 10 litres	10.6	11.6	11.1	13.8	13.3	12.2
10 to less than 20 litres	*6.0	4.9	6.6	4.2	5.9	5.6
20 litres or more	*5.7	16.8	7.4	7.6	12.2	9.9
Stored drinking water but quantity not known	np	np	np	**1.1	*0.9	*0.6
Food that does not need cooking or refrigeration						
No food of this type	10.8	7.2	7.3	9.2	8.6	8.3
1–3 days	42.4	36.5	38.7	35.2	37.0	37.5
4–6 days	24.2	26.8	21.4	25.8	22.4	23.7
7–14 days	18.3	22.8	25.4	24.5	26.4	24.4
More than 14 days	*3.5	6.6	7.1	4.4	5.3	5.7
Food of this type but quantity not known	np	np	np	*1.0	np	*0.4
No portable radio with working batteries	46.1	46.4	51.6	43.2	47.6	47.5
Access to mobile phone						
No mobile phones	10.5	12.8	7.5	8.7	8.6	9.2
One mobile phone	33.7	30.2	29.5	25.8	26.6	28.5
More than one mobile phone	55.9	57.0	62.9	65.5	64.8	62.3
Landline telephone						
No landline telephone connection	10.3	9.3	9.9	9.3	10.0	9.8
Cordless handset	31.9	27.8	37.5	37.7	32.7	34.3
Fixed handset	18.5	22.8	20.4	17.7	21.2	20.2
Both cordless and fixed handsets	39.4	40.1	32.0	35.1	36.0	35.6
No internet access	24.6	38.3	27.6	29.8	31.9	30.6
First aid qualification	46.3	51.0	52.9	52.2	46.1	50.3
On medication for long term medical condition	33.0	46.7	40.4	42.3	42.3	41.6
Keeps medication together	31.5	43.7	38.2	41.0	39.7	39.4
Does not keep medication together	*1.5	*3.0	2.2	*1.3	*2.6	2.2
Keep important documents together	79.4	82.6	83.5	80.3	78.5	81.1
No torch for ready use	14.9	11.8	12.4	10.2	14.3	12.5
<i>Total households</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>

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NON-METROPOLITAN REGION				
	<i>Lower Western WA</i>	<i>Remainder - Balance WA</i>	<i>Balance of Western Australia(a)</i>	<i>Western Australia</i>
HOUSEHOLDS ('000)				
Exit plan from dwelling	63.6	41.6	105.2	381.1
Agreed meeting place	13.6	9.6	23.1	85.8
Available stored drinking water				
No stored drinking water	27.8	15.4	43.2	246.1
Stored drinking water but less than 1 litre	*3.6	**0.8	*4.4	31.8
1 to less than 5 litres	24.8	11.8	36.6	247.1
5 to less than 10 litres	9.7	7.1	16.8	92.0
10 to less than 20 litres	*6.7	7.1	13.8	48.2
20 litres or more	48.1	39.8	87.9	148.8
Stored drinking water but quantity not known	*1.2	—	*1.2	*4.9
Food that does not need cooking or refrigeration				
No food of this type	5.8	*2.0	7.8	59.0
1-3 days	38.3	24.7	63.0	293.6
4-6 days	29.8	17.6	47.4	193.3
7-14 days	38.3	31.7	70.0	219.7
More than 14 days	9.8	5.9	15.7	50.6
Food of this type but quantity not known	—	np	np	*2.7
No portable radio with working batteries	60.9	37.9	98.8	390.7
Access to mobile phone				
No mobile phones	18.2	6.9	25.2	81.5
One mobile phone	41.3	25.6	66.9	242.4
More than one mobile phone	62.4	49.6	112.0	495.1
Landline telephone				
No landline telephone connection	15.5	11.8	27.3	87.3
Cordless handset	30.6	25.1	55.7	266.9
Fixed handset	27.9	17.9	45.8	170.1
Both cordless and fixed handsets	48.0	27.3	75.3	294.1
No internet access	46.9	29.8	76.7	264.7
First aid qualification	62.7	48.9	111.6	420.7
On medication for long term medication	58.2	35.5	93.7	349.6
Keeps medication together	55.4	34.1	89.5	332.0
Does not keep medication together	*2.8	*1.5	4.3	17.6
Keep important documents together	102.4	68.3	170.7	669.6
No torch for ready use	8.2	*4.9	13.2	89.8
<i>Total households</i>	<i>121.9</i>	<i>82.1</i>	<i>204.1</i>	<i>818.9</i>

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** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

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(a) Total non-metropolitan region

	NON-METROPOLITAN REGION			
	Lower Western WA	Remainder – Balance WA	Balance of Western Australia(a)	Western Australia
.....				
PROPORTION (%)				
Exit plan from dwelling	52.1	50.6	51.5	46.5
Agreed meeting place	11.1	11.6	11.3	10.5
Available stored drinking water				
No stored drinking water	22.8	18.7	21.2	30.1
Stored drinking water but less than 1 litre	*2.9	**1.0	*2.2	3.9
1 to less than 5 litres	20.4	14.4	18.0	30.2
5 to less than 10 litres	8.0	8.7	8.3	11.2
10 to less than 20 litres	5.5	8.7	6.8	5.9
20 litres or more	39.4	48.5	43.1	18.2
Stored drinking water but quantity not known	*1.0	—	*0.6	*0.6
Food that does not need cooking or refrigeration				
No food of this type	4.7	*2.5	3.8	7.2
1–3 days	31.4	30.1	30.9	35.9
4–6 days	24.4	21.5	23.2	23.6
7–14 days	31.4	38.6	34.3	26.8
More than 14 days	8.0	7.1	7.7	6.2
Food of this type but quantity not known	—	np	np	*0.3
No portable radio with working batteries	49.9	46.2	48.4	47.7
Access to mobile phone				
No mobile phones	15.0	8.5	12.3	10.0
One mobile phone	33.9	31.1	32.8	29.6
More than one mobile phone	51.1	60.4	54.9	60.5
Landline telephone				
No landline telephone connection	12.7	14.4	13.4	10.7
Cordless handset	25.1	30.6	27.3	32.6
Fixed handset	22.9	21.8	22.4	20.8
Both cordless and fixed handsets	39.3	33.3	36.9	35.9
No internet access	38.5	36.3	37.6	32.3
First aid qualification	51.4	59.5	54.7	51.4
On medication for long term medication	47.7	43.3	45.9	42.7
Keeps medication together	45.4	41.5	43.8	40.5
Does not keep medication together	*2.3	*1.8	2.1	2.2
Keep important documents together	84.0	83.2	83.7	81.8
No torch for ready use	6.8	*6.0	6.5	11.0
<i>Total households</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>

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— nil or rounded to zero (including null cells)

np not available for publication but included in totals

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

where applicable, unless otherwise indicated

(a) Total non-metropolitan region

	<i>Experienced major emergencies</i>	<i>Not experienced a major emergency</i>	<i>Total</i>
HOUSEHOLDS ('000)			
Exit plan from dwelling	38.6	342.5	381.1
Agreed meeting place	11.6	74.2	85.8
Available stored drinking water			
No stored drinking water	11.7	234.5	246.1
Stored drinking water but less than 1 litre	*2.1	29.7	31.8
1 to less than 5 litres	9.3	237.8	247.1
5 to less than 10 litres	5.6	86.5	92.0
10 to less than 20 litres	6.9	41.2	48.2
20 litres or more	27.4	121.4	148.8
Stored drinking water but quantity not known	*2.1	*2.8	*4.9
Food that does not need cooking or refrigeration			
No food of this type	*1.7	57.3	59.0
1–3 days	16.2	277.5	293.6
4–6 days	19.9	173.4	193.3
7–14 days	21.1	198.6	219.7
More than 14 days	6.2	44.4	50.6
Food of this type but quantity not known	—	*2.7	*2.7
No portable radio with working batteries	26.1	364.7	390.7
Access to mobile phone			
No mobile phones	*5.7	75.9	81.5
One mobile phone	18.5	223.9	242.4
More than one mobile phone	40.9	454.1	495.1
Landline telephone			
No landline telephone connection	*3.3	84.1	87.3
Cordless handset	17.9	249.0	266.9
Fixed handset	18.2	152.0	170.1
Both cordless and fixed handsets	25.8	268.4	294.1
No internet access	17.2	247.5	264.7
First aid qualification	38.8	382.0	420.7
On medication for long term medical condition	27.5	322.0	349.6
Keeps medication together	26.9	305.1	332.0
Does not keep medication together	**0.7	17.0	17.6
Keep important documents together	55.3	614.3	669.6
No torch for ready use	*2.4	87.4	89.8
<i>Total households</i>	<i>65.1</i>	<i>753.9</i>	<i>818.9</i>

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** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

	<i>Experienced major emergencies</i>	<i>Not experienced a major emergency</i>	<i>Total</i>
.....			
PROPORTION (%)			
Exit plan from dwelling	59.3	45.4	46.5
Agreed meeting place	17.8	9.8	10.5
Available stored drinking water			
No stored drinking water	17.9	31.1	30.1
Stored drinking water but less than 1 litre	*3.2	3.9	3.9
1 to less than 5 litres	14.2	31.5	30.2
5 to less than 10 litres	8.5	11.5	11.2
10 to less than 20 litres	10.6	5.5	5.9
20 litres or more	42.1	16.1	18.2
Stored drinking water but quantity not known	*3.3	*0.4	*0.6
Food that does not need cooking or refrigeration			
No food of this type	*2.7	7.6	7.2
1–3 days	24.9	36.8	35.9
4–6 days	30.6	23.0	23.6
7–14 days	32.4	26.3	26.8
More than 14 days	9.5	5.9	6.2
Food of this type but quantity not known	—	*0.4	*0.3
No portable radio with working batteries	40.0	48.4	47.7
Access to mobile phone			
No mobile phones	*8.7	10.1	10.0
One mobile phone	28.4	29.7	29.6
More than one mobile phone	62.9	60.2	60.5
Landline telephone			
No landline telephone connection	*5.0	11.1	10.7
Cordless handset	27.4	33.0	32.6
Fixed handset	27.9	20.2	20.8
Both cordless and fixed handsets	39.6	35.6	35.9
No internet access	26.4	32.8	32.3
First aid qualification	59.6	50.7	51.4
On medication for long term medical condition	42.3	42.7	42.7
Keeps medication together	41.3	40.5	40.5
Does not keep medication together	**1.0	2.3	2.2
Keep important documents together	85.0	81.5	81.8
No torch for ready use	*3.7	11.6	11.0
<i>Total households</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>

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** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

	<i>Household with member who does not understand English</i>	<i>All members of household understand English</i>	<i>Total</i>
.....			
HOUSEHOLDS ('000)			
Exit plan from dwelling	9.1	372.0	381.1
Agreed meeting place	*4.1	81.8	85.8
Available stored drinking water			
No stored drinking water	7.2	238.9	246.1
Stored drinking water but less than 1 litre	*1.6	30.2	31.8
1 to less than 5 litres	10.6	236.5	247.1
5 to less than 10 litres	*2.0	90.1	92.0
10 to less than 20 litres	*1.6	46.6	48.2
20 litres or more	2.5	146.4	148.8
Stored drinking water but quantity not known	—	*4.9	*4.9
Food that does not need cooking or refrigeration			
No food of this type	5.8	53.2	59.0
1–3 days	8.2	285.4	293.6
4–6 days	6.4	187.0	193.3
7–14 days	4.1	215.7	219.7
More than 14 days	**0.9	49.7	50.6
Food of this type but quantity not known	—	*2.7	*2.7
No portable radio with working batteries	13.7	377.1	390.7
Access to mobile phone			
No mobile phones	4.1	77.5	81.5
One mobile phone	8.8	233.6	242.4
More than one mobile phone	12.5	482.5	495.1
Landline telephone			
No landline telephone connection	*2.4	84.9	87.3
Cordless handset	6.9	260.0	266.9
Fixed handset	7.9	162.3	170.1
Both cordless and fixed handsets	8.2	286.0	294.1
No internet access	13.3	251.3	264.7
First aid qualification	7.2	413.6	420.7
On medication for long term medical condition	10.1	339.5	349.6
Keeps medication together	9.6	322.4	332.0
Does not keep medication together	np	np	17.6
Keep important documents together	20.6	649.0	669.6
No torch for ready use	*5.1	84.7	89.8
<i>Total households</i>	25.3	793.6	818.9

* estimate has a relative standard error of 25% to 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

np not available for publication but included in totals where applicable, unless otherwise indicated

	<i>Household with member who does not understand English</i>	<i>All members of household understand English</i>	<i>Total</i>
.....			
PROPORTION (%)			
Exit plan from dwelling	36.1	46.9	46.5
Agreed meeting place	*16.1	10.3	10.5
Available stored drinking water			
No stored drinking water	28.4	30.1	30.1
Stored drinking water but less than 1 litre	*6.2	3.8	3.9
1 to less than 5 litres	41.8	29.8	30.2
5 to less than 10 litres	*7.7	11.4	11.2
10 to less than 20 litres	*6.2	5.9	5.9
20 litres or more	*9.8	18.4	18.2
Stored drinking water but quantity not known	—	*0.6	*0.6
Food that does not need cooking or refrigeration			
No food of this type	22.8	6.7	7.2
1–3 days	32.6	36.0	35.9
4–6 days	25.1	23.6	23.6
7–14 days	16.1	27.2	26.8
More than 14 days	**3.5	6.3	6.2
Food of this type but quantity not known	—	*0.3	*0.3
No portable radio with working batteries	54.0	47.5	47.7
Access to mobile phone			
No mobile phones	16.0	9.8	10.0
One mobile phone	34.6	29.4	29.6
More than one mobile phone	49.5	60.8	60.5
Landline telephone			
No landline telephone connection	*9.6	10.7	10.7
Cordless handset	27.0	32.8	32.6
Fixed handset	31.0	20.4	20.8
Both cordless and fixed handsets	32.3	36.0	35.9
No internet access	52.5	31.7	32.3
First aid qualification	28.4	52.1	51.4
On medication for long term medical condition	39.8	42.8	42.7
Keeps medication together	37.8	40.6	40.5
Does not keep medication together	np	np	2.2
Keep important documents together	81.3	81.8	81.8
No torch for ready use	*20.1	10.7	11.0
<i>Total households</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>

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** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

np not available for publication but included in totals where applicable, unless otherwise indicated

	NO PERSONS UNDER 15 YEARS OF AGE		AT LEAST ONE PERSON UNDER 15 YEARS OF AGE		Total households	At least one person aged 60 years and over years(a)	At least one person aged 60 years and over years(b)
	No persons aged 60 years and over	At least one person aged 60 years and over	No persons aged 60 years and over	At least one person aged 60 years and over			
HOUSEHOLDS ('000)							
Exit plan from dwelling	155.3	132.4	90.3	*3.1	381.1	93.5	135.5
Agreed meeting place	29.8	24.5	np	np	85.8	31.6	25.0
Available stored drinking water							
No stored drinking water	112.6	67.7	63.5	*2.3	246.1	65.8	70.1
Stored drinking water but less than 1 litre	12.6	11.8	7.3	—	31.8	7.3	11.8
1 to less than 5 litres	114.5	70.7	60.4	*1.5	247.1	61.9	72.2
5 to less than 10 litres	39.2	18.6	32.0	*2.2	92.0	34.2	20.8
10 to less than 20 litres	22.1	9.9	np	np	48.2	16.1	10.2
20 litres or more	61.0	51.3	35.3	*1.3	148.8	36.6	52.6
Stored drinking water but quantity not known	*2.0	*1.1	*1.9	—	*4.9	*1.9	*1.1
Food that does not need cooking or refrigeration							
No food of this type	29.4	19.9	np	np	59.0	9.7	20.1
1–3 days	132.1	71.7	86.3	*3.5	293.6	89.8	75.2
4–6 days	82.0	52.5	57.1	*1.7	193.3	58.9	54.2
7–14 days	99.4	65.7	53.2	*1.5	219.7	54.7	67.2
More than 14 days	19.1	21.1	np	np	50.6	10.4	21.6
Food of this type but quantity not known	*2.0	np	np	np	*2.7	np	np
No portable radio with working batteries	183.9	83.7	118.3	*4.9	390.7	123.2	88.6
Access to mobile phone							
No mobile phones	10.5	67.2	np	np	81.5	*3.8	67.4
One mobile phone	115.5	93.9	32.1	**0.9	242.4	33.0	94.8
More than one mobile phone	238.0	70.0	180.5	6.6	495.1	187.1	76.6
Landline telephone							
No landline telephone connection	59.0	8.8	19.5	—	87.3	19.5	8.8
Cordless handset	119.7	52.1	92.5	*2.6	266.9	95.1	54.7
Fixed handset	65.6	74.4	27.9	*2.3	170.1	30.1	76.6
Both cordless and fixed handsets	119.5	95.8	76.1	2.8	294.1	78.9	98.6
No internet access	96.0	129.0	38.0	*1.7	264.7	39.7	130.7
First aid qualification	212.8	64.4	139.8	*3.8	420.7	143.6	68.1
On medication for long term medical condition	110.6	170.4	63.9	4.7	349.6	68.6	175.1
Keeps medication together	102.7	165.4	59.3	4.5	332.0	63.9	169.9
Does not keep medication together	7.9	5.0	np	np	17.6	4.7	5.2
Keep important documents together	287.5	204.0	171.1	7.0	669.6	178.1	211.0
No torch for ready use	50.7	14.9	np	np	89.8	24.1	15.4
<i>Total households</i>	<i>364.0</i>	<i>231.1</i>	<i>216.2</i>	<i>7.7</i>	<i>818.9</i>	<i>223.9</i>	<i>238.7</i>

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** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

np not available for publication but included in totals where applicable, unless otherwise indicated

(a) May also have persons aged 60 years and over.

(b) May also have persons aged under 15 years.

	NO PERSONS UNDER 15 YEARS OF AGE		AT LEAST ONE PERSON UNDER 15 YEARS OF AGE		Total households	At least one person aged 60 years and over (a)	At least one person aged 60 years and over (b)
	No persons aged 60 years and over	At least one person aged 60 years and over	No persons aged 60 years and over	At least one person aged 60 years and over			
PROPORTION (%)							
Exit plan from dwelling	42.7	57.3	41.8	*40.8	46.5	41.7	56.8
Agreed meeting place	8.2	10.6	np	np	10.5	14.1	10.5
Available stored drinking water							
No stored drinking water	30.9	29.3	29.3	*30.4	30.1	29.4	29.4
Stored drinking water but less than 1 litre	3.5	5.1	3.4	—	3.9	3.3	4.9
1 to less than 5 litres	31.5	30.6	27.9	*19.9	30.2	27.6	30.2
5 to less than 10 litres	10.8	8.0	14.8	*28.8	11.2	15.3	8.7
10 to less than 20 litres	6.1	4.3	np	np	5.9	7.2	4.3
20 litres or more	16.7	22.2	16.3	*17.5	18.2	16.3	22.0
Stored drinking water but quantity not known	*0.5	*0.5	*0.9	—	*0.6	*0.8	*0.5
Food that does not need cooking or refrigeration							
No food of this type	8.1	8.6	np	np	7.2	4.3	8.4
1–3 days	36.3	31.0	39.9	*45.3	35.9	40.1	31.5
4–6 days	22.5	22.7	26.4	*22.4	23.6	26.3	22.7
7–14 days	27.3	28.4	24.6	*20.1	26.8	24.4	28.1
More than 14 days	5.2	9.1	np	np	6.2	4.6	9.0
Food of this type but quantity not known	*0.5	np	np	np	*0.3	np	np
No portable radio with working batteries	50.5	36.2	54.7	63.6	47.7	55.0	37.1
Access to mobile phone							
No mobile phones	2.9	29.1	np	np	10.0	*1.7	28.2
One mobile phone	31.7	40.6	14.8	**11.8	29.6	14.7	39.7
More than one mobile phone	65.4	30.3	83.5	85.7	60.5	83.6	32.1
Landline telephone							
No landline telephone connection	16.2	3.8	9.0	—	10.7	8.7	3.7
Cordless handset	32.9	22.6	42.8	33.9	32.6	42.5	22.9
Fixed handset	18.0	32.2	12.9	*29.3	20.8	13.5	32.1
Both cordless and fixed handsets	32.8	41.5	35.2	36.8	35.9	35.2	41.3
No internet access	26.4	55.8	17.6	*22.3	32.3	17.7	54.7
First aid qualification	58.5	27.9	64.6	49.2	51.4	64.1	28.5
On medication for long term medical condition	30.4	73.7	29.5	61.8	42.7	30.6	73.3
Keeps medication together	28.2	71.6	27.4	59.3	40.5	28.5	71.2
Does not keep medication together	2.2	2.2	np	np	2.2	2.1	2.2
Keep important documents together	79.0	88.3	79.1	91.6	81.8	79.6	88.4
No torch for ready use	13.9	6.5	np	np	11.0	10.8	6.5
<i>Total households</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>

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- ** estimate has a relative standard error greater than 50% and is considered too unreliable for general use
- nil or rounded to zero (including null cells)
- np not available for publication but included in totals where applicable, unless otherwise indicated
- (a) May also have persons aged 60 years and over.
- (b) May also have persons aged under 15 years.

	Person living alone	Couple only	Couple with children (a)	Lone parent with children (a)	Other household types	Total
HOUSEHOLDS ('000)						
Exit plan from dwelling	134.0	91.0	94.9	32.7	28.5	381.1
Agreed meeting place	—	32.8	32.0	11.8	9.3	85.8
Available stored drinking water						
No stored drinking water	75.2	51.3	74.7	24.0	20.9	246.1
Stored drinking water but less than 1 litre	12.6	8.0	4.9	4.0	*2.2	31.8
1 to less than 5 litres	73.1	61.2	65.0	24.1	23.7	247.1
5 to less than 10 litres	15.8	22.1	35.2	10.6	8.3	92.0
10 to less than 20 litres	7.3	12.2	18.0	6.6	*4.0	48.2
20 litres or more	30.3	54.8	43.0	8.3	12.4	148.8
Stored drinking water but quantity not known	np	*1.1	*2.3	np	**0.6	*4.9
Food that does not need cooking or refrigeration						
No food of this type	26.9	11.0	11.7	4.7	4.7	59.0
1–3 days	77.2	60.8	94.6	31.0	30.1	293.6
4–6 days	41.3	55.0	65.0	16.7	15.4	193.3
7–14 days	55.6	64.1	60.3	23.0	16.7	219.7
More than 14 days	13.1	19.2	10.8	*2.8	4.7	50.6
Food of this type but quantity not known	**0.7	**0.6	**0.7	—	**0.7	*2.7
No portable radio with working batteries	110.6	79.5	122.4	42.7	35.5	390.7
Access to mobile phone						
No mobile phones	56.7	16.4	*3.5	*2.2	*2.7	81.5
One mobile phone	138.8	55.9	16.8	24.3	6.5	242.4
More than one mobile phone	19.3	138.4	222.8	51.6	63.0	495.1
Landline telephone						
No landline telephone connection	39.3	13.5	7.6	13.9	13.0	87.3
Cordless handset	49.0	65.6	101.9	26.5	23.9	266.9
Fixed handset	64.9	41.7	33.7	15.3	14.5	170.1
Both cordless and fixed handsets	61.4	90.0	99.7	22.4	20.7	294.1
No internet access	125.3	65.4	26.3	25.9	21.8	264.7
First aid qualification	68.4	105.6	164.4	38.5	43.9	420.7
On medication for long term medical condition	95.0	113.3	82.5	28.4	30.3	349.6
Keeps medication together	90.9	108.5	77.1	27.2	28.2	332.0
Does not keep medication together	4.1	4.8	5.4	*1.2	*2.1	17.6
Keep important documents together	169.1	185.3	202.2	61.7	51.3	669.6
No torch for ready use	33.6	12.1	18.6	12.5	13.1	89.8
Total households	214.8	210.7	243.1	78.1	72.2	818.9

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— nil or rounded to zero (including null cells)

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(a) May include children under 15 years, dependent students and non-dependent children.

	Person living alone	Couple only	Couple with children(a)	Lone parent with children(a)	Other household types	Total
PROPORTION (%)						
Exit plan from dwelling	62.4	43.2	39.0	41.9	39.5	46.5
Agreed meeting place	—	15.6	13.1	15.1	12.8	10.5
Available stored drinking water						
No stored drinking water	35.0	24.3	30.7	30.8	29.0	30.1
Stored drinking water but less than 1 litre	5.9	3.8	2.0	5.2	*3.0	3.9
1 to less than 5 litres	34.0	29.1	26.7	30.8	32.8	30.2
5 to less than 10 litres	7.3	10.5	14.5	13.6	11.5	11.2
10 to less than 20 litres	3.4	5.8	7.4	8.5	*5.5	5.9
20 litres or more	14.1	26.0	17.7	10.6	17.2	18.2
Stored drinking water but quantity not known	np	*0.5	*1.0	np	**0.9	*0.6
Food that does not need cooking or refrigeration						
No food of this type	12.5	5.2	4.8	6.0	6.5	7.2
1–3 days	35.9	28.9	38.9	39.6	41.7	35.9
4–6 days	19.2	26.1	26.7	21.4	21.3	23.6
7–14 days	25.9	30.4	24.8	29.4	23.2	26.8
More than 14 days	6.1	9.1	4.5	*3.6	6.5	6.2
Food of this type but quantity not known	**0.3	**0.3	**0.3	—	**0.9	*0.3
No portable radio with working batteries	51.5	37.8	50.3	54.6	49.2	47.7
Access to mobile phone						
No mobile phones	26.4	7.8	*1.4	*2.9	*3.7	10.0
One mobile phone	64.6	26.5	6.9	31.1	9.1	29.6
More than one mobile phone	9.0	65.7	91.7	66.0	87.3	60.5
Landline telephone						
No landline telephone connection	18.3	6.4	3.1	17.8	18.1	10.7
Cordless handset	22.8	31.1	41.9	33.9	33.1	32.6
Fixed handset	30.2	19.8	13.8	19.6	20.2	20.8
Both cordless and fixed handsets	28.6	42.7	41.0	28.7	28.7	35.9
No internet access	58.3	31.0	10.8	33.1	30.2	32.3
First aid qualification	31.8	50.1	67.6	49.3	60.9	51.4
On medication for long term medical condition	44.2	53.8	33.9	36.4	41.9	42.7
Keeps medication together	42.3	51.5	31.7	34.8	39.1	40.5
Does not keep medication together	1.9	2.3	2.2	*1.5	*2.9	2.2
Keep important documents together	78.7	87.9	83.2	79.0	71.1	81.8
No torch for ready use	15.6	5.7	7.6	15.9	18.1	11.0
<i>Total households</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>

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(a) May include children under 15 years, dependent students and non-dependent children.

	<i>Fully owned, or being purchased</i>	<i>Rented</i>	<i>Other(a)</i>	<i>Total</i>
HOUSEHOLDS ('000)				
Exit plan from dwelling	275.9	98.4	*6.8	381.1
Agreed meeting place	61.4	21.1	*3.3	85.8
Available stored drinking water				
No stored drinking water	178.8	65.1	*2.2	246.1
Stored drinking water but less than 1 litre	22.8	9.0	—	31.8
1 to less than 5 litres	165.3	78.5	*3.3	247.1
5 to less than 10 litres	65.8	25.3	*0.9	92.0
10 to less than 20 litres	32.3	np	np	48.2
20 litres or more	122.0	23.1	*3.7	148.8
Stored drinking water but quantity not known	*3.8	*1.1	—	*4.9
Food that does not need cooking or refrigeration				
No food of this type	36.2	np	np	59.0
1–3 days	205.6	85.3	*2.8	293.6
4–6 days	144.3	46.1	2.9	193.3
7–14 days	164.6	51.7	*3.5	219.7
More than 14 days	38.1	np	np	50.6
Food of this type but quantity not known	*2.2	np	np	*2.7
No portable radio with working batteries	265.4	121.0	4.3	390.7
Access to mobile phone				
No mobile phones	62.6	16.8	*2.2	81.5
One mobile phone	161.8	77.0	*3.5	242.4
More than one mobile phone	366.6	123.9	*4.6	495.1
Landline telephone				
No landline telephone connection	27.5	59.1	**0.7	87.3
Cordless handset	198.9	65.4	*2.6	266.9
Fixed handset	116.1	51.3	*2.7	170.1
Both cordless and fixed handsets	248.2	41.7	*4.3	294.1
No internet access	169.0	90.9	*4.8	264.7
First aid qualification	308.6	107.7	*4.5	420.7
On medication for long term medical condition	271.4	73.5	*4.7	349.6
Keeps medication together	257.0	70.3	*4.7	332.0
Does not keep medication together	14.4	*3.2	—	17.6
Keep important documents together	492.8	167.8	*9.1	669.6
No torch for ready use	46.7	np	np	89.8
<i>Total households</i>	<i>590.9</i>	<i>217.7</i>	<i>10.4</i>	<i>818.9</i>

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(a) Includes life tenure scheme, rent-free, other tenure types and inadequately described arrangements.

	<i>Fully owned, or being purchased</i>	<i>Rented</i>	<i>Other(a)</i>	<i>Total</i>
.....				
PROPORTION (%)				
Exit plan from dwelling	46.7	45.2	65.4	46.5
Agreed meeting place	10.4	9.7	*31.9	10.5
Available stored drinking water				
No stored drinking water	30.3	29.9	*21.2	30.1
Stored drinking water but less than 1 litre	3.9	4.1	—	3.9
1 to less than 5 litres	28.0	36.1	*31.6	30.2
5 to less than 10 litres	11.1	11.6	*9.1	11.2
10 to less than 20 litres	5.5	np	np	5.9
20 litres or more	20.7	10.6	*35.9	18.2
Stored drinking water but quantity not known	*0.6	*0.5	—	*0.6
Food that does not need cooking or refrigeration				
No food of this type	6.1	np	np	7.2
1–3 days	34.8	39.2	27.1	35.9
4–6 days	24.4	21.2	28.4	23.6
7–14 days	27.8	23.8	33.4	26.8
More than 14 days	6.4	np	np	6.2
Food of this type but quantity not known	*0.4	np	np	*0.3
No portable radio with working batteries	44.9	55.6	41.4	47.7
Access to mobile phone				
No mobile phones	10.6	7.7	*21.0	10.0
One mobile phone	27.4	35.4	*34.2	29.6
More than one mobile phone	62.0	56.9	44.8	60.5
Landline telephone				
No landline telephone connection	4.7	27.1	*6.6	10.7
Cordless handset	33.7	30.0	*25.5	32.6
Fixed handset	19.6	23.6	*26.5	20.8
Both cordless and fixed handsets	42.0	19.2	41.5	35.9
No internet access	28.6	41.8	46.0	32.3
First aid qualification	52.2	49.5	43.6	51.4
On medication for long term medical condition	45.9	33.8	*45.6	42.7
Keeps medication together	43.5	32.3	*45.6	40.5
Does not keep medication together	2.4	*1.5	—	2.2
Keep important documents together	83.4	77.1	87.6	81.8
No torch for ready use	7.9	np	np	11.0
<i>Total households</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>

* estimate has a relative standard error of 25% to 50% and should be used with caution

— nil or rounded to zero (including null cells)

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(a) Includes life tenure scheme, rent-free, other tenure types and inadequately described arrangements.

	Separate house	Semi-detached, row or terrace house town house, etc.	Flat, unit, apartment and other dwelling	Total
HOUSEHOLDS ('000)				
Exit plan from dwelling	287.5	53.7	40.0	381.1
Agreed meeting place	72.2	*7.7	5.9	85.8
Available stored drinking water				
No stored drinking water	191.2	31.2	23.8	246.1
Stored drinking water but less than 1 litre	20.4	6.6	*4.7	31.8
1 to less than 5 litres	177.5	39.4	30.2	247.1
5 to less than 10 litres	76.6	8.7	6.7	92.0
10 to less than 20 litres	40.1	4.0	4.0	48.2
20 litres or more	140.2	5.0	3.6	148.8
Stored drinking water but quantity not known	*4.9	—	—	*4.9
Food that does not need cooking or refrigeration				
No food of this type	42.4	7.8	8.8	59.0
1–3 days	223.9	39.0	30.7	293.6
4–6 days	159.5	21.8	12.0	193.3
7–14 days	180.5	22.1	17.1	219.7
More than 14 days	42.6	3.8	4.2	50.6
Food of this type but quantity not known	*2.0	np	np	*2.7
No portable radio with working batteries	305.0	48.7	37.0	390.7
Access to mobile phone				
No mobile phones	54.1	13.5	13.9	81.5
One mobile phone	168.2	41.9	32.3	242.4
More than one mobile phone	428.7	39.5	26.9	495.1
Landline telephone				
No landline telephone connection	56.9	13.7	16.8	87.3
Cordless handset	216.6	31.0	19.2	266.9
Fixed handset	125.0	22.3	22.8	170.1
Both cordless and fixed handsets	252.2	27.7	14.2	294.1
No internet access	187.8	39.3	37.6	264.7
First aid qualification	361.4	34.2	25.1	420.7
On medication for long term medical condition	280.2	38.7	30.7	349.6
Keeps medication together	265.7	37.0	29.3	332.0
Does not keep medication together	14.5	*1.7	**1.4	17.6
Keep important documents together	529.3	79.5	60.8	669.6
No torch for ready use	54.6	17.4	17.8	89.8
<i>Total households</i>	651.0	94.9	73.0	818.9

* estimate has a relative standard error of 25% to 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

np not available for publication but included in totals where applicable, unless otherwise indicated

	Separate house	Semi-detached, row or terrace house town house, etc.	Flat, unit, apartment and other dwelling	Total
PROPORTION (%)				
Exit plan from dwelling	44.2	56.6	54.7	46.5
Agreed meeting place	11.1	8.2	8.1	10.5
Available stored drinking water				
No stored drinking water	29.4	32.8	32.6	30.1
Stored drinking water but less than 1 litre	3.1	7.0	*6.4	3.9
1 to less than 5 litres	27.3	41.5	41.4	30.2
5 to less than 10 litres	11.8	9.2	9.1	11.2
10 to less than 20 litres	6.2	4.3	*5.5	5.9
20 litres or more	21.5	5.3	5.0	18.2
Stored drinking water but quantity not known	*0.8	—	—	*0.6
Food that does not need cooking or refrigeration				
No food of this type	6.5	8.2	12.0	7.2
1–3 days	34.4	41.1	42.1	35.9
4–6 days	24.5	22.9	16.5	23.6
7–14 days	27.7	23.3	23.4	26.8
More than 14 days	6.5	4.0	5.8	6.2
Food of this type but quantity not known	*0.3	np	np	*0.3
No portable radio with working batteries	46.9	51.3	50.7	47.7
Access to mobile phone				
No mobile phones	8.3	14.2	19.0	10.0
One mobile phone	25.8	44.1	44.2	29.6
More than one mobile phone	65.8	41.7	36.8	60.5
Landline telephone				
No landline telephone connection	8.7	14.4	23.0	10.7
Cordless handset	33.3	32.7	26.3	32.6
Fixed handset	19.2	23.5	31.2	20.8
Both cordless and fixed handsets	38.7	29.2	19.5	35.9
No internet access	28.9	41.4	51.5	32.3
First aid qualification	55.5	36.1	34.3	51.4
On medication for long term medical condition	43.0	40.8	42.0	42.7
Keeps medication together	40.8	39.0	40.1	40.5
Does not keep medication together	2.2	*1.8	**1.9	2.2
Keep important documents together	81.3	83.7	83.3	81.8
No torch for ready use	8.4	18.3	24.4	11.0
<i>Total households</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>

* estimate has a relative standard error of 25% to 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

np not available for publication but included in totals where applicable, unless otherwise indicated

EXPLANATORY NOTES

INTRODUCTION

1 This publication contains results from the Western Australia (WA) Community Preparedness for Emergencies Survey, conducted throughout WA during the two weeks commencing Monday, 9 October 2007.

2 The survey was conducted as a supplement to the ABS Monthly Population Survey (MPS). The MPS is based on a multi-stage area sample of private dwellings and a list sample of special dwellings (hotels, motels, hospitals, prisons, short-stay caravan parks, etc.). Persons living in special dwellings were excluded from the scope of this survey. Information is obtained from the occupants of the selected dwellings by specially trained interviewers. For details of the design, scope and coverage of the MPS, users should refer to any recent edition of the ABS publication, *Labour Force, Australia* (cat. no. 6202.0) or the November 2002 edition of Information Paper: *Labour Force Survey Sample Design* (cat. no. 6269.0).

SCOPE

3 The WA Community Preparedness for Emergencies Survey was conducted on a subset of the full sample of private dwellings in WA that were included in the MPS. The survey covered all persons who were usual residents of private dwellings except:

- members of the Australian permanent defence forces
- certain diplomatic personnel of overseas governments, customarily excluded from censuses and surveys
- overseas residents in Australia
- members of non-Australian defence forces (and their dependents) stationed in Australia
- persons living in sparsely settled areas of WA.

4 Information was collected by either face to face or telephone interview from one responsible adult per household. This adult answered questions on behalf of the household. Information was sought from approximately 3,837 households and data was obtained from approximately 95% of these households.

COVERAGE

5 Coverage rules were applied to ensure that each person was associated with only one dwelling and hence had only one chance of selection in the survey.

EFFECTS OF ROUNDING

6 Estimates in this publication have been rounded and discrepancies may occur between sums of the component items and totals.

ACKNOWLEDGMENT

7 ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated. Without it, the wide range of statistics published by the ABS would not be available. Information received by the ABS is treated in strict confidence as required by the *Census and Statistics Act, 1905*.

RELATED PUBLICATIONS

8 The ABS produces a wide range of publications concerning social, housing and demographic statistics. Users may wish to refer to the following ABS publication which relate to the survey topic:

Information Paper: *Emergency Management Information Development Plan, 2006*, cat. no. 1385.0

Emergency Management Information Development Plan Matrix, 2006, cat. no. 1385.0.55.001

Community Preparedness for Emergencies, New South Wales, October 2003, cat. no. 4818.1

9 Current publications and other products released by the ABS are listed in the *Catalogue of Publications and Products* (cat. no. 1101.0). The Catalogue is available from any ABS office or the ABS web site <<http://www.abs.gov.au>>. The ABS also issues a daily *Release Advice* on the web site which details products to be released in the week ahead.

APPENDIX

ADDITIONAL DATA AVAILABLE	In addition to the statistics provided in this publication, the ABS can produce customised tabulations on request. Subject to confidentiality and sampling variability constraints, tabulations can be produced from the survey by cross-classifying any of the following data items for the relevant survey populations.
DATA ITEMS	
<i>Dwelling characteristics</i>	Area of usual residence <ul style="list-style-type: none">Perth RegionBalance of WA Region Region of usual residence <ul style="list-style-type: none">Central MetropolitanEastern MetropolitanNorthern MetropolitanSouth West MetropolitanSouth East MetropolitanLower Western WARemainder – Balance of WA Dwelling type <ul style="list-style-type: none">Separate houseSemi-detached, row or terrace house, townhouse etc.Flat, unit or apartment and Other dwelling combined
<i>Household characteristics</i>	Tenure type <ul style="list-style-type: none">Fully owned, or being purchasedRentedOther Household type <ul style="list-style-type: none">Person living aloneCouple onlyCouple with childrenCouple with children aged 0–14Couple with children aged 0–14, and 15 and overCouple with children aged 15 and overLone parent with childrenLone parent with children aged 0–14Lone parent with children aged 0–14, and 15 and overLone parent with children aged 15 and overAll other households Specific age profile category of household <ul style="list-style-type: none">At least one child under 15 years of ageAt least one person aged 60 years and overHouseholds with persons aged between 15 to 59 years only Household size <ul style="list-style-type: none">Lone personTwo personThree personFour or more persons
<i>Evacuation and selected household characteristics</i>	Experienced any major emergencies

APPENDIX *continued*

Evacuation and selected household characteristics continued

- Households with members needing help to exit the dwelling due to:
 - Mobility impaired
 - Visually impaired
 - Hearing impaired
 - Intellectual disability
 - Other
- Household members needing transport assistance to leave the area
- Households with alternate accommodation if evacuated
- Pets needing evacuation
- Household members providing unpaid care for non-household members
- Household members who have a role that may require them to assist in an emergency, as:
 - Volunteer
 - Paid employment
 - Other (specify)
- Households with at least one member who does not understand English
- Household members unwilling to evacuate and reason:
 - Looters, security or vandalism
 - Stay & protect in a bushfire
 - Other

Preparedness for emergency

- Whether household has stored drinking water
- Households with stored drinking water in bottles, containers or tanks
 - Less than 1 litre
 - 1 to less than 5 litres
 - 5 to less than 10 litres
 - 10 to less than 20 litres
 - 20 litres or more
 - Uncertain in the volume of stored drinking water
- Whether household has food that does not need cooking or refrigeration
- Quantity of this type of food the household has available to sustain its members expressed in days:
 - 1 – 2 days of consumption
 - 3 – 6 days of consumption
 - 7 – 14 days of consumption
 - 14 days or more of consumption
 - Don't know
- Whether household has a portable radio with working batteries
- Number of mobile phones in household
 - 0
 - 1
 - 2
 - 3
 - 4
 - 5 or more
- Whether household has landline telephone service

APPENDIX *continued*

*Preparedness for emergency
continued*

Types of landline handsets present in the household with landline

Cordless

Fixed

Both

Uncertain in the type of landline handsets available

Whether household has access to the internet

Whether any member of household has first aid qualification

Whether anyone in the household is on medication for long term medical conditions

Whether household keeps medication together

Whether household keeps important documents together

Whether household has a torch which is ready for use

TECHNICAL NOTE DATA QUALITY

RELIABILITY OF THE ESTIMATES

1 Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they are subject to sampling variability. That is, they may differ from those estimates that would have been produced if all occupants of all dwellings had been included in the survey. One measure of the likely difference is given by the standard error (SE), which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings (or occupants) was included. There are about two chances in three (67%) that a sample estimate will differ by less than one SE from the number that would have been obtained if all dwellings had been included, and about 19 chances in 20 (95%) that the difference will be less than two SEs.

2 Another measure of the likely difference is the relative standard error (RSE), which is obtained by expressing the SE as a percentage of the estimate:

$$RSE\% = \frac{SE}{estimate} \times 100$$

3 RSEs for estimates from *2007 Community Preparedness for Emergencies, Western Australia* survey are published for the first time in 'direct' form. Previously a statistical model was produced that relates the size of estimates to their corresponding RSEs, and this information was displayed via a 'SE table'. From this point onwards, RSEs for *Community Preparedness for Emergencies* estimates will be calculated for each separate estimate and published individually. The Jackknife method of variance estimation is used for this process, which involves the calculation of 30 'replicate' estimates based on 30 different subsamples of the original sample. The variability of estimates obtained from these subsamples is used to estimate the sample variability surrounding the main estimate.

4 Limited publication space does not allow for the separate indication of the SEs and/or RSEs of all the estimates in this publication. However, RSEs for all these estimates will be available free-of-charge on the ABS web site <www.abs.gov.au>.

5 In the tables in this publication, only estimates (numbers and proportions) with RSEs less than 25% are considered sufficiently reliable for most purposes. However, estimates with larger RSEs have been included and are preceded by an asterisk (e.g. *3.4) to indicate they are subject to high SEs and should be used with caution. Estimates with RSEs greater than 50% are preceded by a double asterisk (e.g. **2.1) to indicate that they are considered too unreliable for general use.

6 The statistical weighting and estimation design of the *Community Preparedness for Emergencies, Western Australia 2007* survey were based on data from the 2001 Census. Accordingly, estimated household data may not align with the recently released 2006 Census figures. Detailed 2006 Census data will be ready for use in weighting and design of ABS surveys towards the end of 2008.

PROPORTIONS AND PERCENTAGES

7 Proportions formed from the ratio of two estimates are also subject to sampling errors. The size of the error depends on the accuracy of both the numerator and the denominator. A formula to approximate the RSE of a proportion is given below. This formula is only valid when x is a subset of y .

$$RSE\left(\frac{x}{y}\right) = \sqrt{[RSE(x)]^2 - [RSE(y)]^2}$$

DIFFERENCES

8 Published estimates may also be used to calculate the difference between two survey estimates (of numbers or percentages). Such an estimate is subject to sampling error. The sampling error of the difference between two estimates depends on their SEs and the relationship (correlation) between them. An approximate SE of the difference between two estimates ($x-y$) may be calculated by the following formula:

DIFFERENCES *continued*

$$SE(x - y) = \sqrt{[SE(x)]^2 + [SE(y)]^2}$$

SIGNIFICANCE TESTING

9 The statistical significance test for any of the comparisons between estimates can be performed to determine whether it is likely that there is a difference between the corresponding population characteristics. The standard error of the difference between two corresponding estimates (x and y) can be calculated using the formula in paragraph 8. This standard error is then used to calculate the following test statistic:

$$\frac{(x - y)}{SE(x - y)}$$

10 If the value of this test statistic is greater than 1.96 then we may say there is good evidence of a real difference (at the 95% confidence interval level) in the two populations with respect to that characteristic. Otherwise, it cannot be stated with confidence that there is a real difference between the populations.

11 The imprecision due to sampling variability, which is measured by the SE, should not be confused with inaccuracies that may occur because of imperfections in reporting by respondents and recording by interviewers, and errors made in coding and processing data. Inaccuracies of this kind are referred to as non-sampling error, and they occur in any enumeration, whether it be a full count or sample. Every effort is made to reduce non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers, and efficient operating procedures.

GLOSSARY

Couple	A couple relationship is defined as two people usually residing in the same household who share a social, economic and emotional bond usually associated with marriage and who consider their relationship to be a marriage or marriage-like union. This relationship is identified by the presence of a registered marriage or de facto marriage.
Couple with children	This is a couple family with children present. It can be expanded to elaborate on the characteristics of those children, such as their number, age and dependency status. This family may or may not include other related individuals.
Dwelling	A 'dwelling' is defined as a suite of rooms contained within a building which are self-contained and intended for long-term residential use. To be self-contained the suite of rooms must possess cooking and bathing facilities as building fixtures.
Emergency	An event that threatens or damages the dwelling or threatens or harms occupants of the dwelling. Major categories include house fires, bushfires, flooding, hail, wind and storms. Excludes emergencies of a purely medical nature.
Emergency plan	An action plan to deal with an emergency situation. It may include any of the following: steps to take in preparation immediately before an expected emergency; procedure for how to evacuate; and steps to take during an emergency.
Exit plan	An agreed plan for rapid exit from the household residence if there was an emergency.
Family	Two or more persons, one of whom is at least 15 years of age, who are related by blood, marriage (registered or de facto), adoption, step or fostering, and who are usually resident in the same household. The basis of a family is formed by identifying the presence of a couple relationship, lone parent-child relationship or other blood relationship. Some households will, therefore, contain more than one family.
Flat, unit or apartment and other dwelling	<p>Flat, unit or apartment represents all dwellings in blocks of flats, units or apartments. These dwellings usually share a common entrance foyer or stairwell. This category also includes flats attached to houses such as granny flats and houses converted into two or more flats.</p> <p>Other dwelling describes accommodation that may be classified as to include: caravan, tent, cabin, houseboat, improvised home, and house or flat attached to a shop, office, factory or storage facility.</p>
Household	A group of residents of a dwelling who share common facilities and meals or who consider themselves to be a household. It is possible for a dwelling to contain more than one household, for example, where regular provision is made for groups to take meals separately and where persons consider their household to be separate.
Life tenure scheme	In the case of life tenure scheme/s the person/s has/have a contract to live in the dwelling for the term of his/her life but without the full rights of ownership and usually has/have limited or no equity in the dwelling. This is a common arrangement in retirement villages.
Lone parent with children	<p>A family consisting of a lone parent with at least one dependent or non-dependent child (regardless of age) who is also usually resident in the family. This family type may or may not include other related individuals.</p> <p>The one parent family concept can be expanded to elaborate on the characteristics of the children, such as whether they are dependent children or not and for dependent children whether they are aged under 15 or are dependent students. Examples of one parent families include: a 25-year-old parent with dependent children; and an 80-year-old parent living with a 50-year-old child.</p>

GLOSSARY *continued*

Non-metropolitan region	The Australian Standard Geographical Classification (ASGC) divides Western Australia into two Major Statistical Regions, namely Perth Major Statistical Region and the Balance of Western Australia. Non-metropolitan region is represented by the Balance of Western Australia Major Statistical Region, and can be further subdivided into two Statistical Regions, namely: Lower Western Western Australia Statistical Region; and Remainder – Balance Western Australia Statistical Region. For further information refer to <i>Australian Standard Geographical Classification</i> (cat. no. 1216.0).
Other household types	This may include family of related individuals residing in the same household. These individuals do not form a couple or parent-child relationship with any other person in the household and are not related to a couple or one parent family in the household.
Other tenure type	This tenure category specifically excludes household residence that is either fully owned, being purchased or rented by the occupant. It includes life tenure scheme, participant of rent/buy (or shared equity) scheme, rent-free accommodation and any other household accommodation arrangement not described.
Perth metropolitan region	This represents Perth Major Statistical Region which can then be further divided into Statistical Regions of — Central Metropolitan, East Metropolitan, North Metropolitan, South West Metropolitan and South East Metropolitan.
Region of usual residence	A person's area of usual residence as classified by the Statistical Region structure in the Australian Standard Geographical Classification (ASGC). The classification divides Western Australia into two Major Statistical Regions — the Perth Major Statistical Region and the Balance of WA (otherwise know as the non-metropolitan region.) Perth Major Statistical Region is further divided into Statistical Regions of — Central Metropolitan, East Metropolitan, North Metropolitan, South West Metropolitan and South East Metropolitan. For further information refer to <i>Australian Standard Geographical Classification</i> , cat. no. 1216.0 and Information Paper: <i>Regional Labour Force Statistics, September 1997</i> , cat. no. 6262.0.
Semi-detached, row or terrace house, townhouse, etc.	A dwelling that is either attached in some structural way to one or more dwellings or is separated from neighbouring dwellings by less than half a metre (includes duplexes). It has its own private grounds and no other dwelling above or below it.
Separate house	A house that stands alone in its own grounds separated from other dwellings by at least half a metre. It may have a flat attached to it, such as a granny flat or converted garage. The attached flat will be included in the 'Flat, unit or apartment' category.
Stored drinking water	Drinking water kept in bottles, containers, or tanks.

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INTERNET **www.abs.gov.au** the ABS website is the best place for data from our publications and information about the ABS.

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