

# EXPORT DATA

[housingforhealth.com/toolbox/export-data/filter](https://housingforhealth.com/toolbox/export-data/filter)

## Safety

### A1 Electrical Safety

#### A1.1 Functioning Safety switches

	Percentage of houses	Total houses surveyed	Change since 2006
Electricity available	97%	7713	2%
Functional meter box	85%	7711	4%
At least one functional electrical safety switch on the consumer switchboard	67%	7708	7%
Age of house - less than 2 years	5%	7151	0%
Age of house—2 to 10 years	25%	7151	-3%

#### A1.2 Electrical earth connection

	Percentage of houses	Total houses surveyed	Change since 2006
Functional earth connection	71%	7711	3%

#### A1.3 Cabling and wiring

	Percentage of houses	Total houses surveyed	Change since 2006
Age of house - more than 10 years (may have been built and cabled for lower demand electrical appliances)	70%	7151	4%
Type of walls - steel frame and fibrous cement, timber, or steel (habitat and possible easy access at edges for mice)	34%	7714	4%
Type of walls - timber frame and fibrous cement, timber, or steel (habitat and possible easy access at edges for mice)	18%	7714	2%

Houses with evidence of some mice or rats present	32%	7712	2%
Houses with evidence of many mice or rats present (potential to attack cables)	15%	7151	1%
No evidence of ants or cockroaches at time of survey, or reported by residents	24%	7713	-2%
No evidence of ants or cockroaches at time of survey, but reported by residents	45%	7713	4%
Evidence of ants or cockroaches at time of survey (possible damage to cabling or connections)	34%	7151	-5%
Electric powered hot water system (known habitat for mice and insects)	46%	7703	-5%
Heat pump hot water system (usually ground mounted and known habitat for mice)	1%	7703	1%
Houses with combined refrigerator/freezer (habitat for mice and insects)	72%	7663	-1%
Electric cook top (known habitat for mice and insects)	72%	7650	0
Type of lights, bulbs/globes: houses where most are incandescent (known habitat for mice when ceiling mounted due to heat)	58%	7701	-9%
Houses with all power points safe and functional (where power points not OK, this may indicate cable damage)	42%	7639	-3%

#### A1.4 Power points, lights and other fittings

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Light - general</b>			
Most lights in the house are incandescent	58%	7695	-9%
Most lights in the house are fluorescent	40%	7695	8%

Most lights in the house are energy saving (ES compact fluorescent, LED)	2%	7695	1%
<b>NO light fitting present</b>			
Shower - no light present	2%	5718	0
Basin area - no light present	2%	2954	0
Toilet - no light present	2%	5748	0
Kitchen light - no light present	2%	5677	0
<b>Light available and working</b>			
Shower - light working OK	75%	5672	0
Basin area - light working OK	65%	5729	-10%
Toilet light - working OK	76%	7705	1%
Kitchen light OK	81%	7626	2%
<b>Laundry area power points</b>			
Washing machine - no power point near washing machine	2%	5625	-1%
Washing machine - power point test OK	85%	7578	1%
Washing machine - power point test not OK	14%	7578	-1%
Location/position of laundry power point OK	89%	7500	1%
Weather protected power point in laundry area OK	45%	7498	5%
<b>Power points - general durability</b>			
Houses in which all power points tested OK	42%	7639	-3%
Age of house - less than 2 years	5%	7151	0
Age of house—2 to 10 years	25%	7151	-3%
Age of house - more than 10 years	70%	7151	4%

## A2 Gas Safety

---

### A2.1 Gas Safety

	Percentage of houses	Total houses surveyed	Change since 2006*
No gas system	74%	7713	-1%
Bottled gas at the house	24%	7713	2%
Mains gas piped to the house	2%	7713	-1%
No gas flowing (at time of survey of houses with gas system installed +)	12%	2042+	2%
Gas installation OK (at time of survey of houses with gas system installed +)	48%	2042+	-3%
Ducted gas heating	0%	7712	0
Non-ducted gas heating	3%	7712	-2%
Gas powered hot water system	5%	7703	-1%
Gas cook top	20%	7650	1%

## A3 Fire Safety

---

### A3.1 Fire prevention

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Gas - A fault in a gas installation could be a fire hazard.</b>			
Gas installation OK. (of all houses that had a gas system +)	48%	2042 +	-3%
<b>Power points -A faulty power point could be a fire hazard.</b>			
Houses in which all power points tested OK.	42%	7639	-3%
<b>Lights - % tested OK (includes the switch, fitting and bulb or tube) A faulty light could be a fire hazard.</b>			
All OK	19%	7075	-3%
75% to 99% OK	33%	6299	2%
25% to 74% OK	37%	5751	1%
Less than 25% OK	7%	5751	-4%
<b>Mice and rats (reported by residents or evidence at time of survey) Vermin may cause cable damage and create a fire risk.</b>			
Houses where there was no survey evidence, but reported	32%	7712	2%
Houses where there was survey evidence	15%	7151	-1%

### A3.2 Fire and smoke detection

	Percentage of houses	Total houses surveyed	Change since 2006*
<b>Smoke alarms fitted</b>			
Houses with any smoke alarm fitted	57%	7150	12%
1 smoke alarm fitted	33%	7150	7%
2 smoke alarms fitted	17%	7150	4%
3 or more smoke alarms fitted	6%	7150	1%
<b>Smoke alarms working</b>			
Houses where all smoke alarms tested OK	36%	4724	+1% (limited data)
Houses where at least 1 smoke alarm not working	40%	3399	-1% (limited data)
Houses where at least 2 smoke alarms not working	15%	3399	(-)4% (limited data)
Houses where 3 or more smoke alarms not working	6%	3399	+1% (limited data)
Houses with smoke alarms installed and at least one smoke alarm working	36%	639	+8% (limited data)

### A3.3 Escape in the event of fire

	Percentage of houses	Total houses surveyed	Change since 2006*
All external doors and all windows	22%	6311	1%
All external doors and some windows	28%	7711	-6%
External doors only	46%	7711	1%

## A4 Structural Safety

### A4.1 Structural safety

	Percentage of houses	Total houses surveyed	Change since 2006*
Type of walls—brick, concrete block, concrete, earth	27%	7714	1%
Type of walls—brick veneer	19%	7714	-4%
Type of walls—steel frame and fibrous cement, timber, or steel	34%	7714	4%
Type of walls—timber frame and fibrous cement, timber, or steel	18%	7714	2%
Type of walls—other (insulated panel, logs, and so on)	4%	7714	-2%
<b>Termites not present</b>	<b>80%</b>	<b>7712</b>	<b>8%</b>
<b>Walls—inside condition good = all OK</b>	<b>47%</b>	<b>7712</b>	<b>2%</b>
Walls—inside condition fair = water, mould	28%	7712	2%
Walls—inside condition poor = holes, cracks, water, mould	25%	7712	-4%
<b>Walls—outside condition good = all OK</b>	<b>60%</b>	<b>7709</b>	<b>6%</b>
Walls—outside condition fair = minor cracking, repair needed	24%	7709	-1%
Walls—outside condition poor = holes, large cracks	16%	7709	-5%
<b>Floor—finish and condition good = all floors OK</b>	<b>53%</b>	<b>7710</b>	<b>4%</b>
Floor—finish and condition fair = not unsafe, but poor finish	28%	7710	-1%
Floor—finish and condition poor = holes, unsafe	18%	7710	-4%

## Health & Housing

### B1 Washing People

## B1.1 Wet area design

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Wet area layout</b>			
Shower, toilet and laundry are separated and can be used independently	76%	7712	2%
Shower, toilet and laundry are partly combined	20%	7712	-1%
Shower, toilet and laundry are fully combined	5%	7712	0
No shower	0.5%	5751	-0.5%
1 shower	87%	7149	-3%
More than 1 shower	12%	7149	3%
No flush toilet	1%	5751	0
1 toilet	78%	7151	-5%
More than 1 toilet	21%	7151	4%
No hand basin	11%	5751	-3%
1 hand basin	74%	7124	-5%
More than 1 hand basin	17%	7124	4%
<b>Showers, baths and toilets</b>			
<b>Showers</b>			
Functional shower rose	64%	7682	2%
Shower waste diameter adequate (more than 100mm)	66%	7121	1%
Functional shower room door and lock (inside only)	68%	7679	3%
Shower floor graded to floor drain	89%	7676	23%
Shower room ventilation	89%	7683	2%
Functional clothes hook(s) in shower room	36%	7684	2%

Functional towel rail(s) in shower room	50%	7684	2%
Functional shelves in shower room	43%	7681	4%
<b>Bathtubs</b>			
Houses with bathtubs	55%	7712	-3%
Of the houses with bathtubs -			
Bathtub secure	93%	4200	-1%
Bath area - floor finish OK	84%	3033	3%
Bath area floor graded to floor drain	71%	3032	5%
Combined bathtub and shower	50%	4214	-1%
Functional bathtub spout	81%	4195	2%
Functional bathtub drainage	90%	4196	0
<b>Toilets</b>			
Single flush cistern	29%	7643	-8%
Dual flush cistern	71%	7643	8%
Full flush test OK (a standard flush test)	87%	7644	1%
Toilet area floor graded to floor drain	56%	7709	6%
Toilet ventilation	90%	7712	2%
Functional shelves in toilet area	35%	7712	8%
Functional toilet roll holder	57%	7713	-1%
<b>Disabled and frail aged</b>			
Houses used by disabled or frail aged users as reported by residents	23%	5751	3%
Disabled or frail aged users present and reported - adequate access	14%	5751	3%
Disabled or frail aged users present and reported -poor access	18%	5751	10%

## B1.2 Hot water

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Power type</b>			
Electric powered hot water system	46%	7703	-5%
Solar powered hot water system	47%	7703	7%
Gas powered hot water system	5%	7703	-1%
Heat pump hot water system	1%	7703	1%
Solid fuel hot water system	0%	7703	0
No hot water system	2%	7143	0
<b>System component performance</b>			
Hot water pressure release/relief valve functional	73%	6516	-1%
All other hot water system valves functional (stop valve and cold water pressure relief valve where needed)	72%	6536	-2%
Element capacity not applicable as house has either gas, heat pump, solid fuel or no booster system	11%	6506	-4%
Electric hot water system with element capacity less than 1800 watts	6%	6506	-1%
Electric hot water system with element capacity between 1800 to 2400 watts	29%	6506	5%
Electric hot water system with element capacity greater than 2400 watts	47%	6506	-3%
No element size information	9	5065	1%
<b>System capacity</b>			
Hot water systems producing more than 50 litres of hot water per person per day (where houses were occupied at time of survey)	47%	7639	4%
<b>System temperatures greater than 45°C (minimum required)</b>			
Total of all hot water systems	71%	6936	-3%

- of all electric powered hot water systems	84%	3512	-2%
- of all solar powered hot water systems	67%	3633	1%
- of all gas powered hot water systems	54%	377	-7%
- of all heat pump hot water systems	81%	53	-12%
- of all solid fuel hot water systems	18%	17	8%
<b>System temperatures greater than 62°C (water too hot, increasing the chances of burns and running costs)</b>			
Total of all hot water systems	27%	7485	-7%
- of all electric powered hot water systems	51%	2831	4%
- of all solar powered hot water systems	15%	4019	-5%
- of all gas powered hot water systems	18%	255	3%
- of all heat pump hot water systems	13%	48	3%
- of all solid fuel hot water systems	0%	13	0

### B1.3 Water outlets, valves & taps

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Houses with yard taps</b>			
No yard taps	3%	7712	-1%
1 yard tap	26%	7712	0
2 yard taps	58%	7712	-1%
3 or more yard taps	12%	7712	1%
Houses with all yard taps OK	66%	5575	3%
<b>Wet area taps</b>			
Shower - functional hot water tap	74%	7677	1%
Shower - functional cold water tap	78%	7680	1%
Basin - functional hot water tap	74%	7009	1%
Basin - functional cold water tap	77%	7051	2%

Bath - functional hot water tap	70%	4195	3%
Bath - functional cold water tap	73%	4196	4%
Washing machine - functional hot water tap	71%	7497	2%
Washing machine - functional cold water tap	78%	7530	3%
Laundry tub - functional hot water tap	72%	7002	2%
Laundry tub - functional cold water tap	77%	7018	3%
Toilet cistern - functional stop cock (shut off valve)	79%	7644	2%
<b>Hot water system taps and valves</b>			
Functional hot water pressure release or relief valve	73%	6516	-1%
All other hot water system valves functional (cold water pressure limiting valve (if installed), and the hot water system shut off valve)	72%	6536	-2%
<b>Kitchen taps</b>			
Kitchen - hot tap functional (hot water OK)	70%	3083	2%
Kitchen - hot tap not functional (hot water OK)	30%	3083	15%
Kitchen - cold tap functional (cold water OK)	71%	3083	N/A
Kitchen - cold tap not functional (cold water OK)	29%	3083	N/A

## B1.4 Washing young children — hand basins, bathtubs, and laundry tubs

	<b>Percentage of houses</b>	<b>Total houses surveyed</b>	<b>Change since 2006</b>
Laundry tub suitable for washing young children	58%	7054	-40%
Secure laundry tub	91%	6883	1%
Laundry tub with independent washing machine waste outlet	73%	7590	5%
Houses with baths	54%	7712	-4%
Houses with 1 hand basin	74%	7124	N/A
Houses with more than 1 hand basin	17%	7124	N/A

## B1.5 Showers

	Percentage of houses	Total houses surveyed	Change since 2006
Shower, toilet and laundry are separated and can be used independently	76%	7712	2%
Functional shower rose	64%	7682	2%
Functional shower drain	89%	7678	0
Shower - functional hot water tap	74%	7677	1%
Shower - functional cold water tap	78%	7680	1%
Shower walls: sound and well sealed	71%	7683	1%
Floor finish in shower is easy to clean, non slip	80%	7682	4%
Shower floor graded to waste point	71%	7676	5%
Combined bathtub and shower	50%	4214	-1%
Functional shower room door and lock (inside only)	68%	7679	3%
Functional clothes hook(s) in shower room	36%	7684	2%
Functional towel rail(s) in shower room	50%	7684	2%
Functional shelf(s) in shower room	43%	7681	4%

## B1.6 Wet area floor drainage (bathroom, shower, toilet and laundry)

	Percentage of houses	Total houses surveyed	Change since 2006
Shower - functional shower cubicle drainage	89%	7678	0%
Shower - no floor waste outlet	10%	5724	-1%
Shower - functional floor waste outlet	76%	7677	2%

Shower - floor waste outlet not functional	17%	7677	-4%
Shower - floor graded to waste point	71%	7676	5%
Basin - functional drainage from the basin	86%	7047	0%
Basin - no floor waste outlet	12%	2951	0%
Basin - functional floor waste outlet	72%	4899	2%
Basin - floor waste outlet not functional	21%	4899	-3%
Basin area - floor graded to waste point	66%	4894	3%
Bath- functional drainage from the bath	90%	4196	0%
Bath- no floor waste outlet	5%	1619	-1%
Bath- functional floor waste outlet	80%	3031	3%
Bath- floor waste outlet not functional	18%	3031	-3%
Toilet- functional toilet passes full flush test	87%	7644	1%
Toilet- no floor waste outlet	30%	5749	-6%
Toilet- functional floor waste outlet	54%	7704	4%
Toilet- floor waste outlet not functional	23%	7704	-10%
Toilet area floor graded to waste point (or to a waste outlet next to the toilet area)	56%	7709	6%
Laundry- functional washing machine drainage	82%	7540	3%
Laundry- no floor waste outlet	22%	5627	2%
Laundry- functional floor waste outlet	57%	7581	2%
Laundry- floor waste outlet not functional	27%	7581	-8%
Laundry- functional laundry tub drainage	89%	7071	0%
Laundry floor graded to waste point	59%	7581	3%

## B1.7 Turning the water off to allow plumbing maintenance

	Percentage of houses	Total houses surveyed	Change since 2006
Water isolation valve not found	24%	7703	-28%
Water isolation valve found and functional	55%	5751	18%
Water isolation valve found but non-functional	22%	5751	0
Water meter not found	51%	7711	0
Water meter found and functional	43%	7711	-7%
Water meter found but non-functional	25%	7703	-1%

## B2 Washing clothes and bedding

### B2.1 Laundry design

	Percentage of houses	Total houses surveyed	Change since 2006
Houses with one laundry	97%	5726	0
Houses with two laundries	1%	5726	0
<b>Laundry tub and waste water</b>			
Laundry tub present	98%	7030	0
Laundry tub secure	91%	6883	1%
Laundry tub hot water tap functional	73%	6962	3%
Laundry tub cold water tap functional	77%	7018	3%
Functional laundry tub waste outlet	89%	7017	0
Laundry tub plug	41%	6883	2%
Laundry floor waste outlet	78%	5627	-2%
Laundry floor waste outlet functioning	57%	7581	2%
Laundry floor graded to waste point	59%	7581	3%

Laundry shelf at least 1500mm above floor	48%	7592	6%
---	-----	------	----

### **Laundry power points for washing machine**

No power point near washing machine	2%	5625	-1%
Functional washing machine power point	85%	7578	1%
Functional weather-protected power point	45%	7498	5%
Washing machine power point safely located	89%	7500	0

### **Washing machines**

Houses that had an adequate space for a washing machine - at least 700mm wide (note: this question was changed to 900mm wide)	95%	7593	1%
Houses with a working washing machine	78%	7586	3%
Separate taps for the washing machine only	85%	7587	5%
Functional hot water washing machine tap	71%	7497	2%
Functional cold water washing machine tap	78%	7530	3%
Functional washing machine drainage	82%	7540	3%
Independent washing machine drainage (ie not through the main laundry tub)	73%	7590	5%

## B2.2 Drying clothes and bedding

	Percentage of houses	Total houses surveyed	Change since 2006
Houses with a clothes line for clothes drying	70%	3111	N/A
<b>Area available and secure for drying clothes</b>			
No fenced yard	29%	7713	-2%
Yard area at least 900 square metres	43%	7713	6%
Yard area less than 900 square metres	28%	7713	-5%
Functional yard fence and gates	47%	5868	6%
<b>Weather conditions suitable for drying clothes at time of survey</b>			
Fine and sunny	71%	7712	2%
Cloudy or rain	26%	7712	0
Strong winds	2%	7712	0
<b>Areas around the house able to be used for drying clothes</b>			
No verandah	13%	7713	-3%
Verandah on one side of the house	31%	7713	1%
Verandah on two sides of the house	36%	7713	1%
Verandah on three sides of the house	10%	7713	0
Verandah on four sides of the house	9%	7713	1%

## B3 Removing waste water safely

### B3.1 Flush toilets

	Percentage of houses	Total houses surveyed	Change since 2006
Single flush cistern (eg 10 to 12 litre single flush)	29%	7643	-8%
Dual flush cistern (eg 3 litre half and 6 litre full flush)	71%	7643	8%
Full flush test OK (a standard test used on every toilet)	87%	7644	1%
Cistern fully refills in less than three minutes	83%	7643	1%
Functional toilet cistern	81%	7645	4%
Functional toilet pan	85%	7650	2%
Functional toilet cistern stop valve	79%	7644	2%
Functional toilet door and lock	69%	7711	3%

### B3.2 House drains

	Percentage of houses	Total houses surveyed	Change since 2006
All drainage around the house OK (this question records if drainage failures are obvious in the yard area around the house)	77%	7712	4%
Shower waste drain at least 100 mm diameter (smaller drains increase the chance of blockage)	66%	7121	2%

### B3.3 Septic tanks, common effluent drains and on-site effluent disposal systems

	Percentage of houses	Total houses surveyed	Change since 2006
Septic system	41%	7710	-1%
Septic tank and common effluent drain system	28% (as a % of all waste water disposal systems)	7710	0%

### B3.4 Aerated waste water treatment systems

	Percentage of houses	Total houses surveyed	Change since 2006
Houses using an aerated waste water system	1%	7710	0

### B3.5 Dry toilets

	Percentage of houses	Total houses surveyed	Change since 2006
In-ground pit toilet	2%	1961	NA
Contained composting toilet	3%	1961	NA

## B4 Improving nutrition – the ability to store, prepare and cook food

### B4.1 Quality of drinking water

	Percentage of houses	Total houses surveyed	Change since 2006
Rainwater tank	25%	7151	-1%
Rainwater tank functional	19%	7151	-1%
Gutters and down pipes present	49%	5751	0
Gutters and down pipes present and functional	33%	5751	0

### B4.2 Food storage

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Shelves and cupboards</b>			
Kitchen storage above bench height - greater than 5 square metres (more high level storage is better)	44%	7653	6%
Kitchen cupboards - none	9%	5694	-2%
Kitchen cupboard condition adequate	50%	5694	3%

Kitchen cupboard condition inadequate	41%	5694	-1%
Kitchen ventilated - improved food storage conditions	89%	5683	3%
<b>Refrigerators</b>			
Houses with no refrigerator or freezer	21%	7663	-1%
Houses with combined refrigerator/freezer	68%	7663	-5%
Houses with a refrigerator but no freezer (newer question)	7%	7663	0
Houses with a freezer but no refrigerator (newer question)	4%	7663	0
<b>Refrigerator capacity and function</b>			
No information on refrigerator capacity available	6%	5635	0
Refrigerator capacity less than 250 litres	26%	5635	2%
Refrigerator capacity between 250 litres to 350 litres	42%	5635	1%
Refrigerator capacity greater than 350 litres	26%	5635	-3%
Freezer temperature minus 10°C or colder	70%	5841	3%
Fridge temperature colder 4°C or less	52%	5906	5%
Refrigerator and freezer - no excessive ice or frost	75%	4509	3%
Refrigerator - door seals OK	82%	4516	2%
Additional freezer available	35%	7504	0
Additional freezer temperature 10°C or colder	78%	2609	5%

### B4.3 Preparing food – sinks and benches

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Sinks</b>			
Kitchen sink available	94%	7150	N/A
Kitchen sink drainage ok	90%	7641	N/A
Kitchen sink spout OK (secure & not leaking)	74%	7641	N/A
Kitchen sink- hot water available	72%	3083	N/A
Kitchen sink- hot water tap ok	70%	3083	N/A
Kitchen sink cold water available	93%	3083	N/A
Kitchen sink cold water tap ok	71%	3083	N/A
Functional kitchen sink spout	74%	7648	3%
<b>Kitchen benches and splash backs</b>			
No kitchen bench available	3%	5693	-1%
Bench material solid and can be cleaned	69%	7652	3%
Splash back sealed to prevent water penetration	61%	7652	2%

## B4.4 Cooking

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Energy available for cooking</b>			
Electricity	97%	7713	2%
Bottled gas	24%	7713	2%
Mains gas piped to the house	3%	6772	0
<b>Cooktops</b>			
No cooktop	7%	7650	-2%
Electric cooktop	72%	7650	0
Gas cooktop	20%	7650	1%
Wood or oil burning cooktop	0%	7089	-1%
All cooktop hotplates and control knobs working	63%	7073	4%
<b>Ovens</b>			
Oven installed (gas or electric combined, or separated from cooktop)	84%	5751	-1%
Oven working (gas or electric)	70%	6678	0
<b>Alternative cooking options</b>			
Houses with other ways to cook in the house (frying pans, microwave ovens, rice cookers, vertical grillers etc)	65%	5678	12%
Outside cooking areas	46%	7714	5%

## B4.5 General issues for kitchen design

### B5 Reducing the negative impacts of crowding

#### B5.1 Performance of health hardware in households with more people

	Percentage of houses or areas in square metres	Total houses surveyed	Change since 2006
<b>House area</b>			

House area less than 100 square metres	32%	7713	-9%
House area greater than 100 square metres and less than 200 square metres	62%	7713	10%
House area greater than 200 square metres	6%	7713	0
<b>People per house</b>			
0 to 4 people per house	49%	7713	0%
5 to 10 people per house	43%	7713	-1%
More than 10 people per house	8%	7713	1%
<b>For houses with population of 0 to 4 people</b>			
Average population (people)	2.5	3381	2.5
Average house area in square metres	125	3381	118
Average area (square metres) per person	50	3381	47.2
<b>For houses with population of 5 to 10 people</b>			
Average population (people)	7	3819	6.2
Average house area in square metres	134	3819	126
Average area (square metres) per person	19.1	3819	20.3
<b>For houses with population of 10 people or more</b>			
Average population (people)	15.1	594	13.6
Average house area in square metres	125	594	125
Average area (square metres) per person	8.3	594	9.2

***Note: The house sample is reduced because the 'number of bedrooms' question was not asked in some projects.***

## **B5.2 Developing the edges of the house and the yard**

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Fencing: increasing the potential of the yard area around the house</b>			
No fenced yard	29%	7713	-1%
Fenced yard area at least 900 square metres	43%	7713	6%
Fenced yard area less than 900 square metres	28%	7713	-5%
Houses with yard fence and gates	87%	5305	9%
Houses with yard fence and gates all in good condition	47%	5868	6%
<b>Cooking and water</b>			
Outside cooking facilities	46%	7714	5%
No yard taps	3%	7712	-1%
1 yard tap	26%	7712	0
2 yard taps	58%	7712	-1%
3 or more yard taps	12%	7712	1%
Water meter found and functional	43%	7711	-7%
Water isolation valve available and OK	55%	5751	N/A
Rainwater tank	25%	7151	-1%
Rainwater tank functional	19%	7151	-1%
Outside cooking areas	46%	7714	5%
Houses with food planting	26%	7714	1%
Wind break planting (as a positive sheltering feature in cold climates and not a hindrance to airflow in tropical climates)	27%	7714	5%
<b>Rubbish and wastewater systems</b>			
Rubbish system (houses with a working kitchen bin)	29%	3111	N/A
Septic tank lid protected from damage	72%	2173	12%

<b>Working motor vehicle in yard</b>			
None	57%	7711	1%
1	31%	7711	3%
2	9%	7711	-1%
3 or more	3%	7711	-1%

### **B5.3 Storage areas in the house**

	<b>Percentage of houses</b>	<b>Total houses surveyed</b>	<b>Change since 2006</b>
Shower: Shampoo/soap holder OK (available & in good condition)	59%	7688	N/A
Shower: Clothes hooks OK	36%	7688	N/A
Shower: Towel rails/ racks OK	50%	7688	N/A
Shower: Shelves OK	43%	7686	N/A
Hand basin: Soap holder OK	81%	7065	N/A
Hand basin: Shelf OK	53%	7065	N/A
Hand basin: Clothes hooks OK	32%	7065	N/A
Hand basin: Towel rail/ racks OK, provided & securely fixed to wall	49%	7065	N/A
Bath tub: Shampoo/soap holder OK, Shampoo/soap holder is available	67%	4208	N/A
Bath tub: Shelf OK	48%	4212	N/A
Bath tub: Clothes hooks OK	38%	4208	N/A
Bath tub: Towel rail/ racks OK, rails provided and securely fixed to wall	59%	4208	N/A
Flush toilet: Shelf OK, shelf above child height for toilet roll storage	35%	7713	N/A
Flush toilet: Toilet roll holder sturdy holder fixed to wall	57%	7713	N/A
Laundry: shelf OK, shelf above child height to safely store laundry detergents and cleaning products	48%	7596	N/A

## B6 Reducing the negative effects of animals, insects and vermin

### B6.1 Animals: Dogs, cats and others

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Dogs</b>			
No dogs seen or reported at survey	36%	7713	-2%
One to four dogs seen or reported at survey	47%	7713	3%
Five or more dogs seen or reported at survey	17%	7713	-1%
<b>Cats</b>			
No cats seen or reported at survey	82%	7151	0
One to four cats seen or reported at survey	15%	7151	0
Five or more cats seen or reported at survey	3%	7151	-1%
<b>Other pests present</b>			
Examples of 'other pests' are defined as: white tail spiders, redback spiders, any type of snake, wild camels, pigs, horses, crocodiles, rabbits, donkeys or ticks.	39%	7712	0
Disposal of rubbish to avoid attracting pests into the house			
Kitchen bin			
OK large enough and able to exclude flies & mice	14%	7151	N/A
Kitchen bin not large enough, not able to exclude flies & mice or damaged	31%	7151	N/A
No kitchen bin	55%	7151	4%

### B6.2 Animals: rats, mice, snakes and birds

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Mice and rats (based on residents' reports or survey evidence)</b>			
No survey evidence and none reported	54%	7712	-3%
No survey evidence but reported (may be seasonal)	32%	7712	2%
Survey evidence and reported	14%	7151	0%
No other pests present	61%	7712	0%
<b>Types of wall construction most likely to harbor vermin</b>			
Brick veneer: brick external cladding and timber frame lined with various types of internal wall materials	19%	7714	-4%
Steel frame and fibrous cement, timber, or steel sheet cladding externally, lined with various types of internal wall materials	34%	7714	4%
Timber frame & fibrous cement, timber, or steel sheet cladding externally, lined with various types of internal wall materials	18%	7714	2%
Other wall structures, less prone to vermin nesting or damage include solid brick, concrete block and earth construction	29%	7714	-2%
<b>Condition of inside and outside walls</b>			
Houses with inside walls in poor condition: holes, cracks that could give entry to vermin	25%	7712	-4%
Houses with outside walls in poor condition: holes, cracks that could give entry to vermin	16%	7709	-5%
Disposal of rubbish to avoid attracting pests into the house			
<b>Kitchen bin</b>			
OK large enough and able to exclude flies & mice	14%	7151	N/A

Kitchen bin not large enough, not able to exclude flies & mice or damaged	31%	7151	N/A
No kitchen bin	55%	7151	4%

### **B6.3 Insects: ants and cockroaches**

	<b>Percentage of houses</b>	<b>Total houses surveyed</b>	<b>Change since 2006</b>
No survey evidence of ants and / or cockroaches	21%	7151	-5%
No survey evidence of ants and / or cockroaches but reported by residents (may be seasonal or weather related)	43%	7151	2%
Survey evidence of ants and / or cockroaches	32%	7151	-7%
The kitchen splash back is well sealed to prevent water penetration: increased moisture will increase the risk of ants and cockroaches	61%	7652	2%
Kitchen sink drainage OK	90%	7641	N/A

## B6.4 Insects: mosquitoes and flies

	Percentage of houses	Total houses surveyed	Change since 2006
No mosquito breeding areas	51%	7712	3%
One to four mosquito breeding areas	37%	7712	1%
Five or more mosquito breeding areas	12%	7712	-4%
All waste water around the house OK	77%	7712	5%
No evidence of mosquitoes or flies at time of survey	28%	7712	0
No evidence of mosquitoes or flies at time of survey (but reported by residents and may be seasonal or weather related)	47%	7712	5%
Evidence of mosquitoes or flies at time of survey	26%	7151	-10%
<b>Kitchen bin</b>			
OK large enough and able to exclude flies & mice	14%	7151	N/A
Kitchen bin not large enough, not able to exclude flies & mice or damaged	31%	7151	N/A
No kitchen bin	55%	7151	4%
<b>Screening out insects</b>			
No data recorded	4%	7713	-2%
All external doors and windows screened	11%	7713	-2%
Between 80% to 99% of doors and windows screened	13%	7713	1%
Less than 80% of doors and windows screened	72%	7713	3%

## B6.5 Insects: Dust mites

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Carpets in houses - carpets provide a known breeding place for dust mites</b>			
No carpet, or rugs only	78%	7712	3%
Some carpeted rooms	12%	7712	2%
All rooms carpeted	9%	7712	-6%
<b>Insulation and ventilation to reduce condensation and humidity in the house</b>			
Roof insulated	37%	7712	3%
No roof insulation or not known if insulation installed	63%	7712	-3%
Walls insulated	26%	5798	4%
No wall insulation or not known if insulation installed	74%	5798	-4%
Shower room ventilation	89%	7683	2%
Kitchen area ventilated	89%	5683	2%

## B6.6 Insects: termites

	Percentage of houses	Total houses surveyed	Change since 2006
No evidence or reports of termites present in or around the house	80%	7712	8%

## B7 Reducing the health impacts of dust

### B7.1 Reducing the health impacts of dust

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Yard fences: encourage the development the yard and the reducing of dust</b>			
No fenced yard	29%	7713	-1%

Fenced yard area at least 900 square metres	43%	7713	6%
Fenced yard area less than 900 square metres	28%	7713	-5%
<b>Windbreak planting: reduces wind driven dust</b>			
Wind break planting in the yard	27%	7714	5%
<b>Yard taps: help irrigate yard planting</b>			
No yard taps	4%	7712	0
1 yard tap	26%	7712	0
2 yard taps	58%	7712	-1%
3 or more yard taps	12%	7712	1%
<b>Motorcars: can generate dust</b>			
No working motor cars in yard	56%	7711	0
One working motor car in yard	31%	7711	3%
Two working motor cars in yard	9%	7711	-1%
Three or more working motor cars in yard	4%	7711	-2%
<b>Climate and Cooling systems: Responding to the climate with cooling that may reduce dust entering the house</b>			
Houses sited in places with maximum summer temperature regularly greater than 40°C	59%	7714	1%
Evaporative cooling system (ducted – will cool all rooms of the house)	8%	7714	-2%
Evaporative cooling system (non-ducted will often cool only the main rooms of the house)	3%	7714	0
<b>Rainwater tanks: may offer the potential for use of water with low mineral salt content for evaporative cooling</b>			
Rainwater tank	25%	7151	-1%
Rainwater tank functional	19%	7151	-1%

## B8 Controlling the temperature of the living environment

## B8.1 Human comfort and climate

	Percentage of houses	Total houses surveyed	Change since 2006
<b>When cooling may be required</b>			
Maximum summer temperature between 25°C–40°C	40%	7714	-1%
Maximum summer temperature regularly greater than 40°C	59%	7714	1%
<b>When heating may be required</b>			
Minimum winter temperature regularly less than 0°C	22%	7713	2%
Minimum winter temperature between 0°C–10°C	51%	7713	-3%
Minimum winter temperature greater than 10°C	27%	7713	1%

## B8.2 Passive design in tropical zones

**Note:** For data that may be relevant, but not specifically related to this section, see [B8.4 'Active cooling of houses'](#).

## B8.3 Passive design for houses in arid and temperate climates

**Note:** For data that may be relevant, but not specifically related to this section see [B8.5 'Active heating of houses'](#).

## B8.4 Active cooling of houses

	Percentage of houses, or temperature, or number of windows	Total houses surveyed	Change since 2006
<b>Climate</b>			
Maximum summer temperature between 25°C–40°C	40%	7714	-1%
Maximum summer temperature regularly greater than 40°C	59%	7714	1%

<b>House performance in hot conditions</b>			
Houses where outdoor temperature was greater than 30°C at time of survey (ambient shaded air temperature)	35%	7713	7%
Houses that provided no improvement on the outside air temperature in hot conditions	21%	2674	-10% which is an increase in performance
Average improvement in all houses surveyed, when outdoor temperature was greater than 30°C at time of survey	3.1°C	-2674	1.90%
Houses that provided 0°C-2°C improvement	39%	2674	-13%
Houses that provided 2°C improvement or better	46%	2674	18%
Houses that provided 4°C improvement or better	24%	2674	14%
Houses that provided 6°C improvement or better	14%	2674	9%
Houses that provided 8°C improvement or better	8%	2674	6%
Houses that provided 10°C improvement or better	5%	2674	4%
<b>Outside the house</b>			
Shade trees or planting in the yard	60%	7713	9%
Houses with any sun protected windows	51%	7712	7%
No verandah	13%	7713	-3%
Verandah on one side of the house	31%	7713	1%
Verandah on two sides of the house	36%	7713	1%

Verandah on three sides of the house	10%	7713	0
Verandah on four sides of the house	9%	7713	1%
<b>Insulation</b>			
Roof insulated	37%	7712	3%
No roof insulation or unknown	63%	7712	-3%
Walls insulated	26%	5798	4%
No wall insulation or unknown	74%	5798	-4%
<b>Windows</b>			
Total windows—all houses	100,694	7713	NA
Windows—average number per house	13.1	7713	NA
% Windows not functioning OK, unable to be opened or closed or any part broken (number)	26% (27,013)	7713	NA
Windows—average number not OK per house	3	7713	NA
Houses with all windows OK	33%	7713	15%
<b>Cooling systems</b>			
No cooling system & only ceiling fans	36%	7714	NA
Ceiling fans and some other cooling system	42%	4603	0 G1,2,3 data only
Evaporative non-ducted cooling system	3%	7714	0
Evaporative ducted cooling system	8%	7714	-2%
Reverse cycle refrigerated air non-ducted cooling system	23%	7714	13%
Reverse cycle refrigerated air ducted cooling system	8%	7714	4%

## B8.5 Active heating of houses

	<b>Percentage of houses, or temperature, or number of windows</b>	<b>Total houses surveyed</b>	<b>Change since 2006</b>
Minimum winter temperature regularly less than 0°C	22%	7713	2%
Minimum winter temperature 0°C -10°C	51%	7713	-3%
Minimum winter temperature greater than 10°C	27%	7713	1%
<b>House performance in cold conditions</b>			
Houses where outdoor temperature was less than 15°C at time of survey (ambient shaded air temperature)	5%	7713	1%
Houses that provided no improvement on the outside air temperature in cold conditions	15%	413	-8% (improvement)
Average improvement in all houses surveyed, when outdoor temperature was less than 15°C at time of survey	6°C	413	+3°C
Houses that provided 0°C-5°C improvement	49%	413	-9%
Houses that provided 0°C-10°C improvement or better	72%	413	-5%
<b>Outside the house</b>			
Wind break planting in the yard	27%	7714	5%
Verandah on three sides of the house	10%	7713	0

Verandah on four sides of the house	9%	7713	1%
<b>Insulation</b>			
Roof insulated	37%	7712	3%
No roof insulation or unknown	63%	7712	-3%
Walls insulated	26%	5798	4%
No wall insulation or unknown	74%	5798	-4%
<b>Windows</b>			
Total windows—all houses	100694	7713	
Windows—average number per house	13.1	7713	
Windows not functioning OK	27013	7713	
Windows—average number not OK per house	3	7713	
Houses with all windows OK	33%	7713	15%
<b>Heating systems</b>			
Some heating system	44%	7712	-4%
Combustion heater (wood or solid fuel)	27%	7712	-3%
Plug-in electric heaters	5%	7712	0
Gas heating not ducted	3%	7712	-2%
Open fire	3%	7712	-1%
Reverse cycle heating not ducted	4%	7712	1%
Ducted reverse cycle heating	1%	7712	0
Ducted gas heating	0%	7712	0

## B9 Reducing hazards that cause minor injury (trauma)

**B9.1 Hazardous materials****B9.2 Personal security****B9.3 Preventing slips, trips and falls**

	<b>Percentage</b>	<b>Total houses surveyed</b>	<b>Change since 2006</b>
<b>Lights—% tested OK (includes the switch, fitting and bulb or tube)</b>			
All OK (less chance of trips and falls at night)	25%	6314	3%
75%–99% OK	42%	7195	11%
25%–74% OK	32%	7705	-4%
Less than 25% OK	9%	7705	-2%
<b>Lights switches—all tested OK</b>			
All OK	56%	6108	-1%
Some not OK	44%	6108	1%
<b>Light fittings—all tested OK</b>			
All OK	50%	6873	2%
Some not OK	50%	6873	-2%
<b>Type of lights, bulbs/globes—most are ...</b>			
Incandescent	58%	7695	8%
Fluorescent	40%	7695	-9%
Energy saving	2%	7695	1%
<b>Lights—availability</b>			
Floor area of the house per light fitting (includes external light fittings but not the external area of the house)	10 square metres / light	7713	10 sq.m in 2006
Average light fittings per house	12.7 lights / house	7713	12.5 lights in 2006
<b>Floor grades and finish—wet, slippery or uneven floors that may contribute to slips and falls</b>			
Floor finish in shower OK	80%	7682	4%

Shower floor graded to waste point OK	71%	7676	5%
Basin area floor finish OK	80%	4910	3%
Basin area floor grade to waste OK	66%	4894	3%
Toilet floor finish OK	83%	7712	3%
Toilet floor graded to waste outlet OK (or to a waste outlet next to the toilet area)	56%	7709	6%
Laundry floor finish OK	78%	7590	3%
Functional laundry floor grade to waste outlet	59%	7581	3%
<b>Floor finishes that may be trip hazards</b>			
Houses with some carpets or rugs	38%	7712	3%

#### B9.4 Preventing cuts and abrasions

	<b>Percentage of houses or number of windows</b>	<b>Total houses surveyed</b>	<b>Change since 2006</b>
Houses with all windows OK	33%	7713	15%
Total windows - all houses	100,694	7713	49,888 total windows in 3,662 houses
Windows - average number per house	13.1	7713	13.8 windows per house 2006
Windows not functioning OK (maybe unable to open and close easily or cracked glazing)	27,013	7713	24,209 windows in 3,662 houses were not functioning
Windows—average number not OK per house	3	7713	6.7 windows per house not OK in 2006

## B9.5 Preventing burns

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Hot water systems</b>			
No hot water system	2%	7143	0%
Electric powered hot water system	46%	7703	-5%
Solar powered hot water system	47%	7703	7%
Gas powered hot water system	5%	7703	-1%
Heat pump type hot water system	1%	7703	0.6%
Solid fuel hot water system	0.2%	7703	-0.1%
<b>Houses with hot water that would burn</b>			
Hot water temperature greater than 62°C	28%	7713	-9%
Hot water temperature greater than 70°C	6%	7713	-2%
Hot water temperature greater than 80°C	0.5%	7713	-0.5%

## Healthy Communities

### C1 Water

**C1.1 Water quantity and treatment systems**

**C1.2 Water quantity and demand management**

**C1.3 Rainwater, stormwater and recycled water for landscaping**

## C2 Energy

### C2.1 Electricity

	Percentage of houses	Total houses surveyed	Change since 2006
Electricity available	97%	7713	2%
Electric powered hot water system	46%	7703	-5%
Solar powered hot water system (most systems have electric boosters that use high amount of electricity)	47%	7703	7%
Heat pump hot water system (uses small amount of electricity)	1%	7703	1%
Electric cooktop installed	72%	7650	0
Reverse cycle refrigerated air non-ducted cooling system	23%	7714	13%
Reverse cycle refrigerated air ducted cooling system	8%	7714	4%
Plug in electric heaters	5%	7712	0%
Incandescent lights	40%	7701	-10%

### C2.2 Gas

	Percentage of houses	Total houses surveyed	Change since 2006
Bottled gas available	24%	7713	2%
Mains gas piped to the house	2%	7713	-1%
Gas powered hot water system	5%	7703	-1%
Gas cooktop installed	20%	7650	-1%
Gas heating not ducted	3%	7712	-2%
Ducted gas heating	0%	7712	0

## C3 Waste Water

### C3.1 Waste water

	Percentage of houses	Total houses surveyed	Change since 2006
<b>Type of waste water system</b>			
No waste water system	2%	7710	-1%
Deep sewer system	56%	7710	2%
<b>Houses using septic systems of any type</b>			
<b>Septic tank and common effluent system 28% (28%)</b>			
Septic tank and soakage trenches 14% + (13%)	41%	7710	-1%
Aerobic waste water package treatment system	1%	7710	0
All drainage around the house OK (this question records if drainage failures are obvious in the yard area around the house)	77%	7712	4%
<b>Dry system toilets</b>			
Dry toilet	5%	1961	N/A
In-ground pit toilet	2%	1961	N/A
Contained composting toilet	3%	1961	N/A
<b>Details of the waste systems</b>			
Grease trap	8%	5345	0
Septic tank not able to be located	4%	2179	-1%
Pump out truck had access to septic tank	94%	2179	3%
Septic tank lid protected from damage	71%	2173	11%
Septic tank lid not protected from damage	24%	2058	-9%
No soakage trench (CED (common effluent disposal) system)	63%	2427	5%
Functional soakage trench	28%	2427	-3%
Non-functional soakage trench	10%	2312	-2%

## C4 Household rubbish disposal

---

### C4.1 Household rubbish disposal

	Percentage of houses	Total houses surveyed	Change since 2006
Kitchen bin, regular collection	14%	7151	NA Question changed
Kitchen bin, no regular collection	31%	7151	NA Question changed
No kitchen bin, no regular collection	51%	7151	NA Question changed

## C5 Community planning

---

No related items were found on the filter applied.

## C6 Landscaping

### C6.1 Landscaping

	Percentage of houses	Total houses surveyed	Change since 2006
Outside cooking areas	46%	7714	5%
Windbreak planting	27%	7714	5%
Food planting	26%	7714	1%
<b>Fenced yard</b>			
No fenced yard	29%	7713	-2%
Yard >= 900 sq m	43%	7713	6%
Yard < 900 sq m	28%	7713	-5%
Fence and gate OK	47%	5868	6%
Fence and gate not OK	45%	5868	0%
<b>Working motor cars in yard</b>			
No working motor cars in yard	57%	7711	1%
1 working motor car in yard	31%	7711	3%
2 working motor cars in yard	9%	7711	-1%
3 or more working motor cars in yard	4%	7711	-2%

## C7 Communications

No related items were found on the filter applied.

© Healthhabitat Pty Ltd, 2019. All rights reserved.