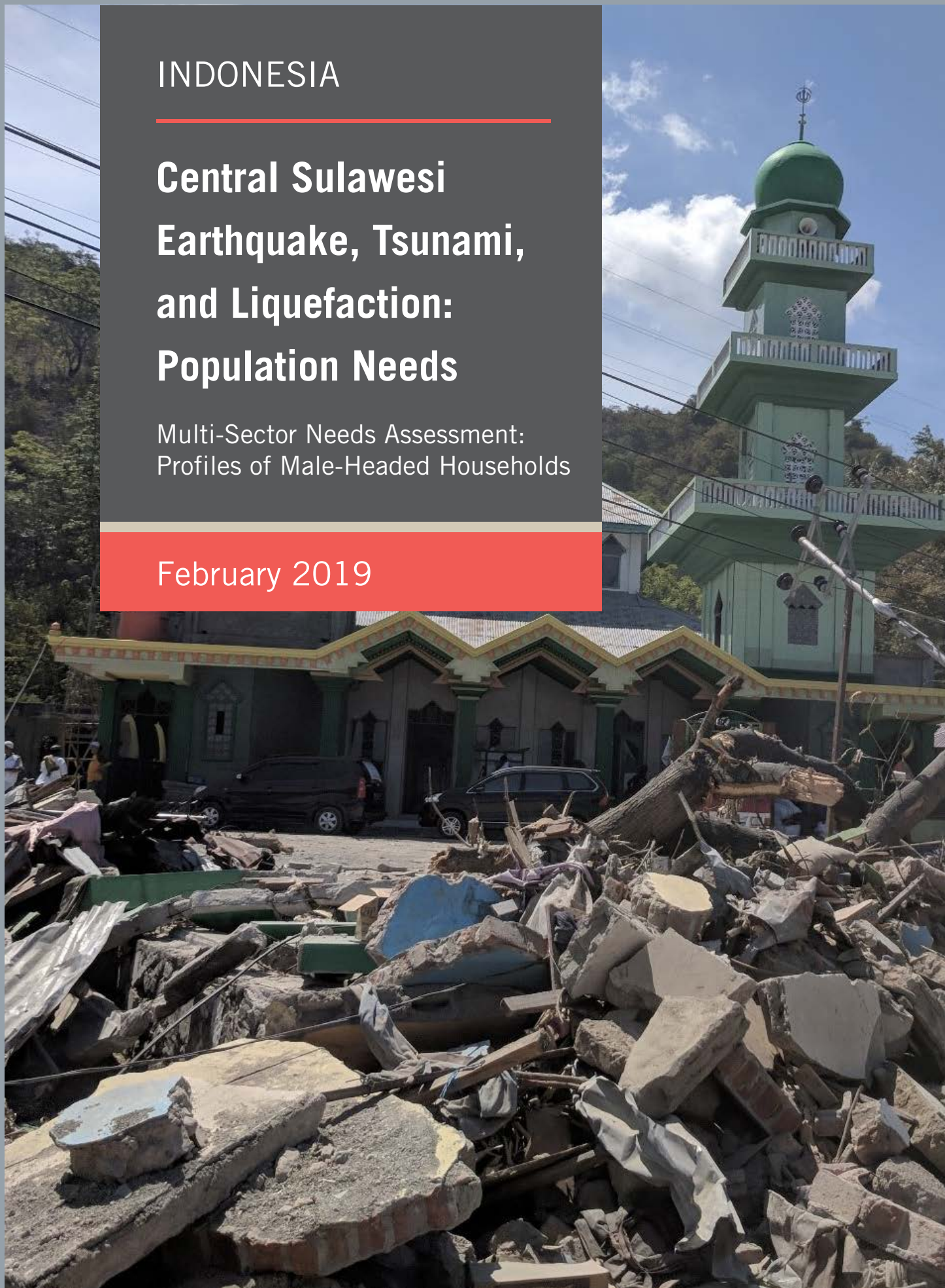


INDONESIA

Central Sulawesi Earthquake, Tsunami, and Liquefaction: Population Needs

Multi-Sector Needs Assessment:
Profiles of Male-Headed Households

February 2019



Funded by
European Union
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humanitarian action

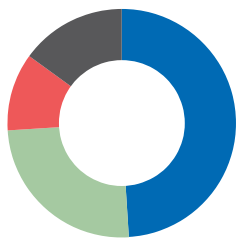


Displacement and Protection

Displaced population⁵

26% of households were no longer living in their original house due to the disaster

% of households no longer living on land they own by distance from their current living location to their original house:



49% Nearby/on site
25% Within 2km
11% Between 2km–5km
15% More than 5km or Don't know

Non-displaced population⁵

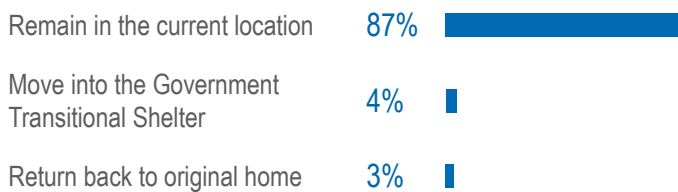
6% of non-displaced households were hosting at least one displaced household to stay in a house that they own

There is an average of **3** IDP individuals in each displaced household hosted by a non-displaced household

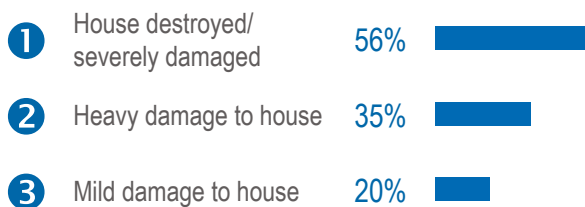
0.6 average dependency ratio of displaced household size to hosting household size for non-displaced households hosting IDPs⁶

Movement intentions in the next 6 months

% of households by where they most want to move to within the next six months:⁷



Top 3 most reported reasons as to why households chose to move or to stay in their preferred living location for the next 6 months:⁸



Protection of Women's Needs

16% of households contained at least one pregnant or lactating woman

original home were living on their original land and considered to be non-displaced. Those living with friends or family, in an informal settlement, or renting after they were displaced from their homes were no longer living on their original land and had been displaced by the disaster. For households living in their original home, categorization of displacement was the same, except that those staying in tents next to their original home were considered to be displaced.

Disabilities, Elderly, Minorities

2% of households contained at least one member with a self-reported physical or mental disability

Child Protection

3% of households contained at least one child that was separated from their usual caregiver

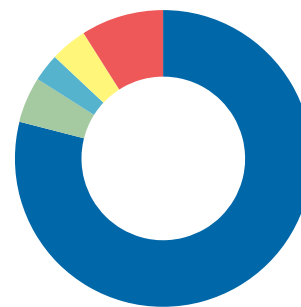
Psychosocial Support

51% of households reported having at least one member experiencing emotional distress from the disaster

Shelter

Shelter conditions

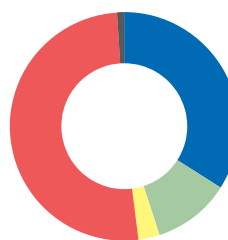
% of households by type of shelter they are currently living in at the time of data collection:



79% House
5% Apartment
3% Transitional shelter (individual)
4% Makeshift Shelter
9% Tent
0% Don't know
0% Other

66% of households reported that their original shelter was either destroyed or damaged by the disaster

% of households by state of tenure for house at the time of data collection:



34% Household owns the land
11% Written agreement (still valid)
3% Written agreement (expired)
51% Verbal/no agreement⁹
1% Don't know

2% of households reported that they were at risk of being forced to leave where they were staying at the time of data collection

6. Dependency ratio is calculated by dividing the number of IDP individuals being hosted by the total size of the host household. The number shows the relative burden that hosting households have to support IDP households.

7. Single-choice question; only the top three responses are shown.

8. Respondents could select multiple responses; therefore results may exceed 100%; only the top three choices are shown.

9. In many households in Central Sulawesi, there is a cultural practice in which a specific household owns many plots of land, and other households are permitted to live on it without any formal agreement.





Top 3 reported reasons households were at risk of being forced to leave their shelters at the time of data collection:¹⁰

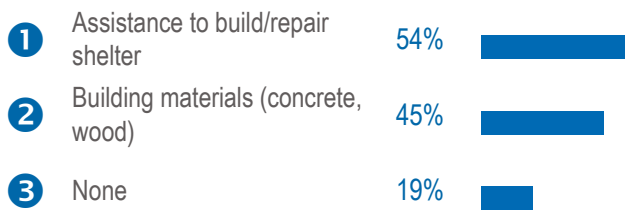


6% of households reported having lost the ownership documents for their original shelter before the disaster

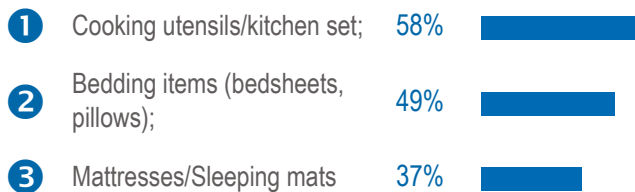
Preferred Shelter Assistance

67% of households reported that they would prefer to rebuild or repair their original home in the next 6 months

Top 3 preferred types of assistance that households wanted to receive in order to rebuild/repair their homes in the 6 months after data collection:¹¹



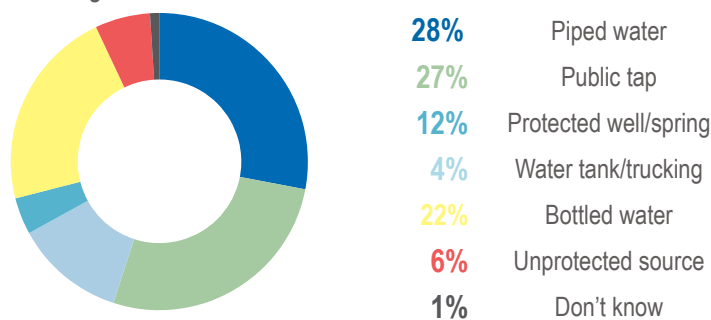
Top 3 most needed Non-Food Items (NFIs):¹¹



Water, Sanitation and Hygiene

Access to Water

% of households acquired most of their drinking water from the following sources:



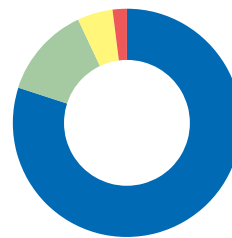
95%

of households reported drinking water that had been treated and was safe to drink

87%

of households reported having enough water to meet their total needs for drinking, cooking, bathing, and washing

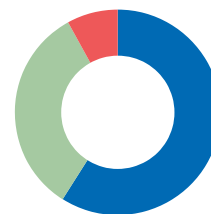
% of households by reported amount of time it takes to walk to main water source, fetch water, and return (including queuing at the water source):



80% Water source located on site
13% Less than 10 minutes
5% 10–20 minutes
2% More than 20 minutes
0% Don't know

Hygiene practices

% of households by location used for hand washing:



59% Pouring device/sink faucet
33% Basin/bucket
8% No device
0% Don't know

93%

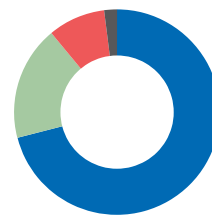
of households have water available for hand washing

65%

of households have soap available for hand washing

Sanitation conditions

% of households by most common defecation practice:



71% Household latrine/toilet
18% Communal latrine/toilet
9% Open defecation
2% Don't know

% of households using a household or communal latrine/toilet, by type of latrine/toilet:



100% Flush toilet¹²
0% Other

10. Respondents could select multiple responses; therefore results may exceed 100%; only the top three choices are shown.

11. Respondents could select up to three responses; therefore results may exceed 100%; only the top three choices are shown.

12. "Flush toilets" includes both toilets where a lever automatically makes the toilet flush and the practice of dumping water down the toilet to cause it to flush manually.





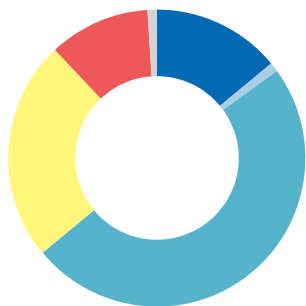
There is an average of **14** households reported to be sharing each communal latrine¹³

Communal latrine conditions

- 82%** of households with communal latrines reported their toilet had adequate lighting
- 5%** of households with communal toilets reported that there are separate toilets for men and women
- 77%** of households with communal toilets reported their toilet is not inside the household and has locks on the doors

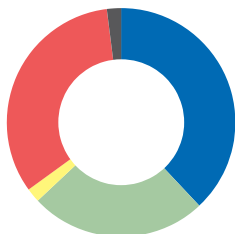
Waste disposal

% of households by reported main method of garbage disposal



- 14%** Bin in household / street
- 1%** Bury garbage
- 49%** Burn garbage
- 24%** Open area designated for waste
- 11%** Open area not designated for waste
- 1%** Other

% of households reporting how often garbage is collected from their area of residence:



- 38%** Daily
- 25%** Weekly
- 2%** More than 1x per week
- 33%** Service not available
- 2%** Don't know
- 0%** Other



Economy

Occupation and employment

Main occupation of the household reported by households before the disaster and in the last month:¹⁴

Before Disaster

January 2019

33%	Agricultural	1	Agricultural	31%
16%	Small business owner	2	Small business owner	16%
9%	Government job	3	Unemployed	9%

% of households reporting that the household main income was unemployment, before and after the disaster:

Before Disaster

January 2019

3% are unemployed **9%**

19% of households had at least one working-age household member that is not working

Main reported barriers to finding work:¹⁴

The recent disaster destroyed previous business/job opportunities	42%	
The recent disaster destroyed cultivation land for planting	14%	
Underqualified for available jobs	12%	

There is an average reported loss of **10%** of household income due to the disaster¹⁵

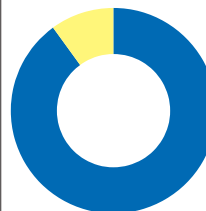


Food Security

Reported Food Consumption Score (FCS) and reduced Coping Strategy Index (rCSI)

Food Consumption Score¹⁶

average rCSI score¹⁷



- 90%** Acceptable
- 10%** Borderline
- 0%** Poor

3.2

13. Average taken from households reporting the use of communal latrines.

14. Single-choice question; only the top three responses are shown.

15. Due to the sensitivity over asking about monthly income, respondents were asked what range their monthly income fell within. The upper bound of the range was used, and current income was divided by previous income before being averaged.

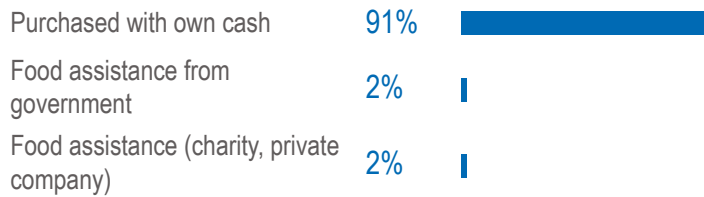
16. FCS is a measure of food security that looks at how often foods are consumed over a 1 week period, in order to give an indication if the household is eating a sufficient amount of food. FCS was calculated using the WFP CARI methodology, by asking respondents how many days per week their household consumed different groups of food, which are then multiplied by a coefficient based on the food group, added up, and ascribed a ranking (acceptable, borderline, or poor) based on the number (WFP, Consolidated Approach for Reporting Indicators of Food Security (CARI), 2014).

17. rCSI is a measure of food security that looks at a set list of five coping strategies that households might be using to make food last longer in the absence of sufficient foods. It uses 5 commonly practiced coping strategies across the world. rCSI was calculated by asking respondents how many days per week their household adopted different coping strategies to make food last longer. The number of days was then multiplied by a coefficient based on the coping strategy and added up. There are no officially established thresholds, but generally, scores between 0 and 3 are considered to be good, 4 to 9 is worrisome, and scores greater than or equal to 10 are concerning (WFP VAM Unit, Afghanistan, Guidance note: calculation of household food security outcome indicators, December 2012).





% of households per main reported source of food in week prior to data collection:¹⁸



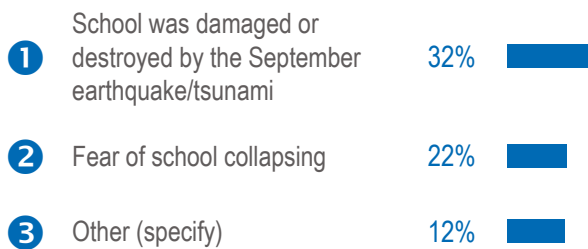
Education

Student attendance

4% of households with children reported having school-aged children who were not attending school following the disaster

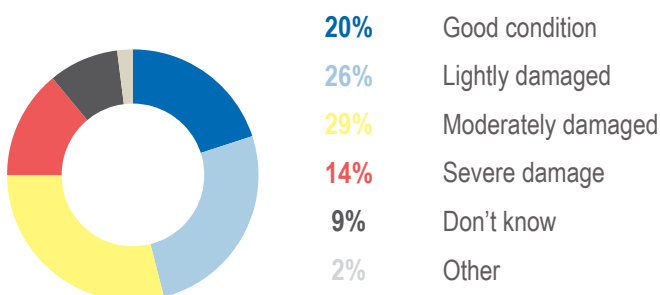
Among households where children were not attending school, there was an average of **1** child(ren) reported to not be attending school

Top 3 reported reasons why school-aged children were not attending school by households with children not attending school:¹⁹



Condition of school facilities

% of households reported the condition of the nearby school to be the following:



Health

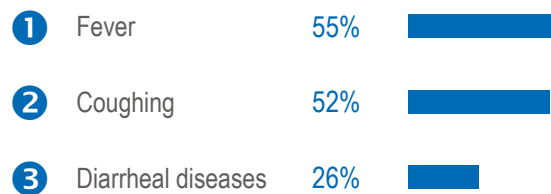
Immunization

18% of households reported having children in the household that were not immunized for measles, mumps, and rubeola (MMR).

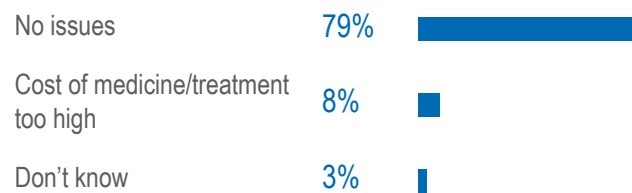
Illness and injury

39% of households reported that a member of the household had suffered from a health issue (illness or injury) in the 30 days prior to data collection

Top 3 types of health concerns reported by households with a member who had suffered from health issues in the 30 days prior to data collection:¹⁹



Main barriers to accessing healthcare reported by households who had needed to access medical treatment the 30 days prior to data collection:¹⁹

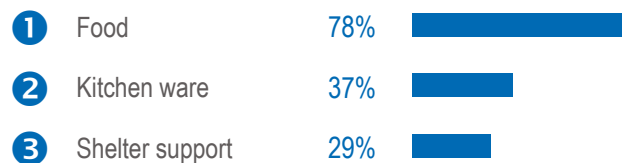


Main reasons (if any) that households have had to access health services in the 30 days prior to data collection:²⁰



1.2.3 Priority Needs

Top 3 most important priority needs as reported by households:²⁰



Communication with Communities

Information Needs

% of households by the type of information that the household reported needing the most:¹⁸



18. Single-choice question; only the top three responses are shown.

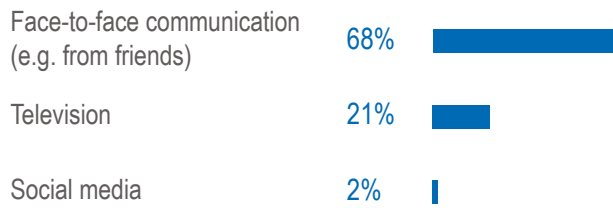
19. Respondents could select multiple responses, therefore results may exceed 100%; only the top three choices are shown.

20. Respondents could select up to three responses; therefore results may exceed 100%; only the top three choices are shown.





% of households by most preferred source from which they would like to receive new information:²¹

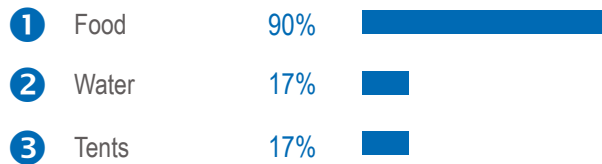


Humanitarian assistance

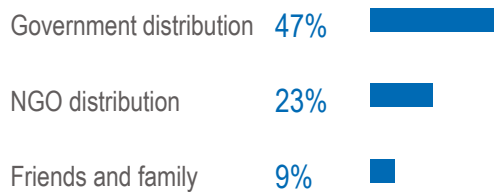
29%

of households reported that they had received humanitarian aid in the 30 days prior to data collection

Top 3 most common types of aid that households reported having received:²²



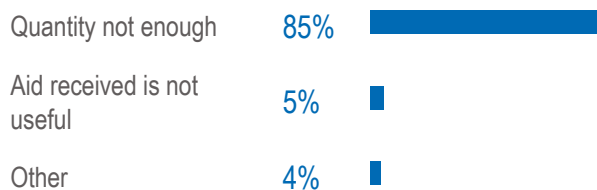
% of households by most common reported source of aid:²³



70%

of households reported that they were happy with the aid that they had received in the 30 days prior to data collection

Main reported reasons households were not satisfied by the aid received in the last 30 days:²³



21. Single-choice question; only the top three responses are shown.

22. Respondents could select multiple responses; only the top three choices are shown.

23. Single-choice question; only the top three responses are shown.



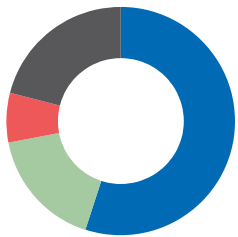


Displacement and Protection

Displaced population⁵

26% of households were no longer living in their original house due to the disaster

% of households no longer living on land they own by distance from their current living location to their original house:



55% Nearby/on site
17% Within 2km
7% Between 2km-5km
21% More than 5km or Don't know

Non-displaced population⁵

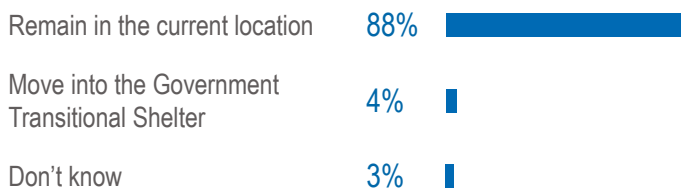
7% of non-displaced households were hosting at least one displaced household to stay in a house that they own

There is an average of **4** IDP individuals in each displaced household hosted by a non-displaced household

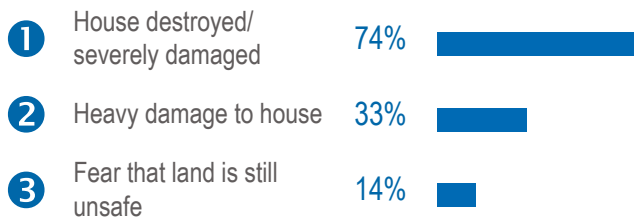
0.8 average dependency ratio of displaced household size to hosting household size for non-displaced households hosting IDPs⁶

Movement intentions in the next 6 months

% of households by where they most want to move to within the next six months:⁷



Top 3 most reported reasons as to why households chose to move or to stay in their preferred living location for the next 6 months:⁸



Protection of Women's Needs

15% of households contained at least one pregnant or lactating woman

original home were living on their original land and considered to be non-displaced. Those living with friends or family, in an informal settlement, or renting after they were displaced from their homes were no longer living on their original land and had been displaced by the disaster. For households living in their original home, categorization of displacement was the same, except that those staying in tents next to their original home were considered to be displaced.

Disabilities, Elderly, Minorities

5% of households contained at least one member with a self-reported physical or mental disability

Child Protection

3% of households contained at least one child that was separated from their usual caregiver

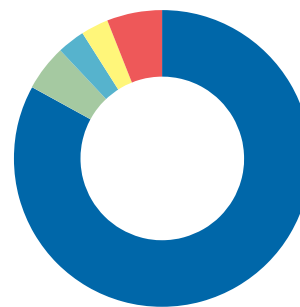
Psychosocial Support

52% of households reported having at least one member experiencing emotional distress from the disaster

Shelter

Shelter conditions

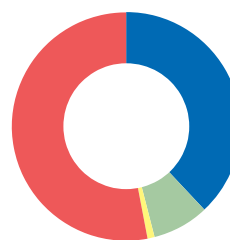
% of households by type of shelter they are currently living in at the time of data collection:



83% House
5% Apartment
3% Transitional shelter (individual)
3% Makeshift Shelter
6% Tent
0% Don't know
0% Other

75% of households reported that their original shelter was either destroyed or damaged by the disaster

% of households by state of tenure for house at the time of data collection:



38% Household owns the land
8% Written agreement (still valid)
1% Written agreement (expired)
53% Verbal/no agreement⁹
0% Don't know

5% of households reported that they were at risk of being forced to leave where they were staying at the time of data collection

6. Dependency ratio is calculated by dividing the number of IDP individuals being hosted by the total size of the host household. The number shows the relative burden that hosting households have to support IDP households.

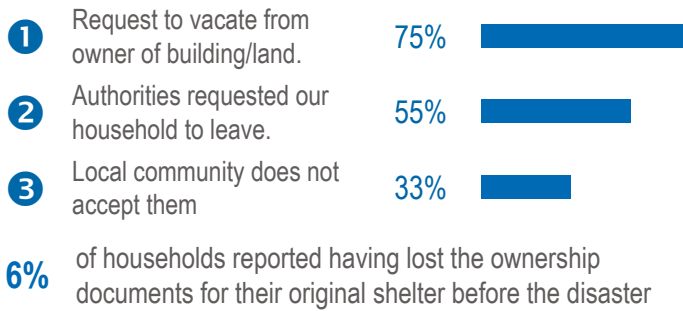
7. Single-choice question; only the top three responses are shown.

8. Respondents could select multiple responses; therefore results may exceed 100%; only the top three choices are shown.

9. In many households in Central Sulawesi, there is a cultural practice in which a specific household owns many plots of land, and other households are permitted to live on it without any formal agreement.



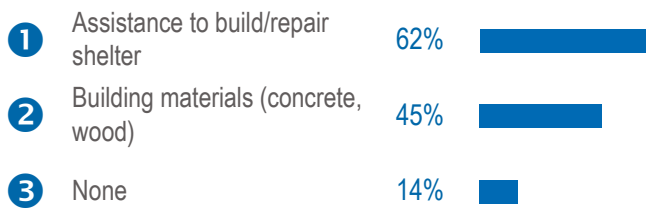
Top 3 reported reasons households were at risk of being forced to leave their shelters at the time of data collection:¹⁰



Preferred Shelter Assistance

77% of households reported that they would prefer to rebuild or repair their original home in the next 6 months

Top 3 preferred types of assistance that households wanted to receive in order to rebuild/repair their homes in the 6 months after data collection:¹¹



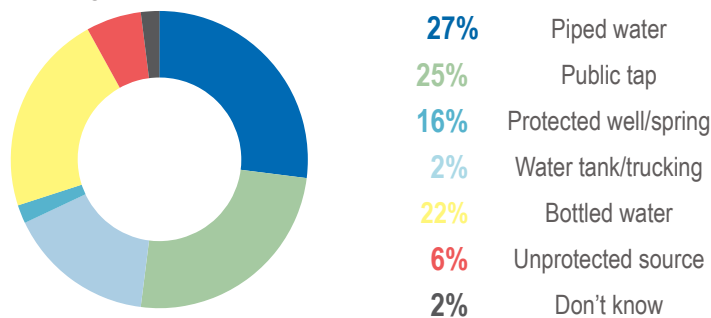
Top 3 most needed Non-Food Items (NFIs):¹¹



Water, Sanitation and Hygiene

Access to Water

% of households acquired most of their drinking water from the following sources:



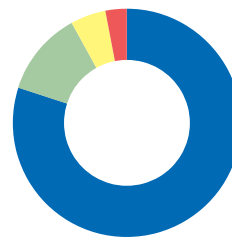
95%

of households reported drinking water that had been treated and was safe to drink

88%

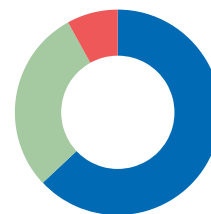
of households reported having enough water to meet their total needs for drinking, cooking, bathing, and washing

% of households by reported amount of time it takes to walk to main water source, fetch water, and return (including queuing at the water source):



Hygiene practices

% of households by location used for hand washing:



90%

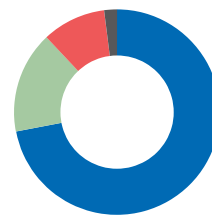
of households have water available for hand washing

62%

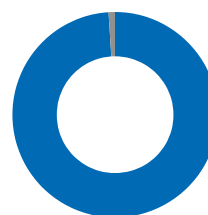
of households have soap available for hand washing

Sanitation conditions

% of households by most common defecation practice:



% of households using a household or communal latrine/toilet, by type of latrine/toilet:



10. Respondents could select multiple responses; therefore results may exceed 100%; only the top three choices are shown.

11. Respondents could select up to three responses; therefore results may exceed 100%; only the top three choices are shown.

12. "Flush toilets" includes both toilets where a lever automatically makes the toilet flush and the practice of dumping water down the toilet to cause it to flush manually.





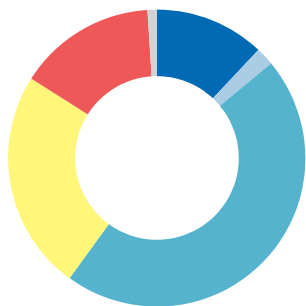
There is an average of **9** households reported to be sharing each communal latrine¹³

Communal latrine conditions

- 76%** of households with communal latrines reported their toilet had adequate lighting
- 2%** of households with communal toilets reported that there are separate toilets for men and women
- 69%** of households with communal toilets reported their toilet is not inside the household and has locks on the doors

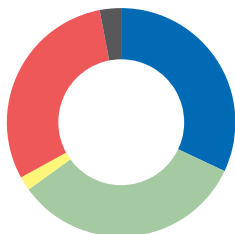
Waste disposal

% of households by reported main method of garbage disposal



- 12%** Bin in household / street
- 2%** Bury garbage
- 46%** Burn garbage
- 24%** Open area designated for waste
- 15%** Open area not designated for waste
- 1%** Other

% of households reporting how often garbage is collected from their area of residence:



- 32%** Daily
- 33%** Weekly
- 2%** More than 1x per week
- 30%** Service not available
- 3%** Don't know
- 0%** Other



Economy

Occupation and employment

Main occupation of the household reported by households before the disaster and in the last month:¹⁴

Before Disaster		January 2019	
29%	Small business owner	1	Small business owner 27%
20%	Agricultural	2	Agricultural 17%
10%	Unemployed	3	Unemployed 17%

% of households reporting that the household main income was unemployment, before and after the disaster:

Before Disaster	January 2019
10%	17%

29% of households had at least one working-age household member that is not working

Main reported barriers to finding work:¹⁴

The recent disaster destroyed previous business/job opportunities	43%
Available jobs are too far away	16%
Only low-skilled, socially degrading, dangerous, or low-paid jobs are available	10%

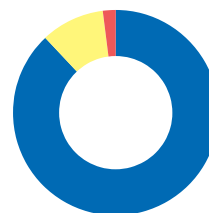
There is an average reported loss of **10%** of household income due to the disaster¹⁵



Food Security

Reported Food Consumption Score (FCS) and reduced Coping Strategy Index (rCSI)

Food Consumption Score¹⁶ average rCSI score¹⁷



- 88%** Acceptable
- 10%** Borderline
- 2%** Poor

4.2

13. Average taken from households reporting the use of communal latrines.

14. Single-choice question; only the top three responses are shown.

15. Due to the sensitivity over asking about monthly income, respondents were asked what range their monthly income fell within. The upper bound of the range was used, and current income was divided by previous income before being averaged.

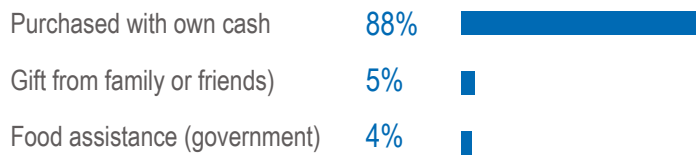
16. FCS is a measure of food security that looks at how often foods are consumed over a 1 week period, in order to give an indication if the household is eating a sufficient amount of food. FCS was calculated using the WFP CARI methodology, by asking respondents how many days per week their household consumed different groups of food, which are then multiplied by a coefficient based on the food group, added up, and ascribed a ranking (acceptable, borderline, or poor) based on the number (WFP, Consolidated Approach for Reporting Indicators of Food Security (CARI), 2014).

17. rCSI is a measure of food security that looks at a set list of five coping strategies that households might be using to make food last longer in the absence of sufficient foods. It uses 5 commonly practiced coping strategies across the world. rCSI was calculated by asking respondents how many days per week their household adopted different coping strategies to make food last longer. The number of days was then multiplied by a coefficient based on the coping strategy and added up. There are no officially established thresholds, but generally, scores between 0 and 3 are considered to be good, 4 to 9 is worrisome, and scores greater than or equal to 10 are concerning (WFP VAM Unit, Afghanistan, Guidance note: calculation of household food security outcome indicators, December 2012).





% of households per main reported source of food in week prior to data collection:¹⁸



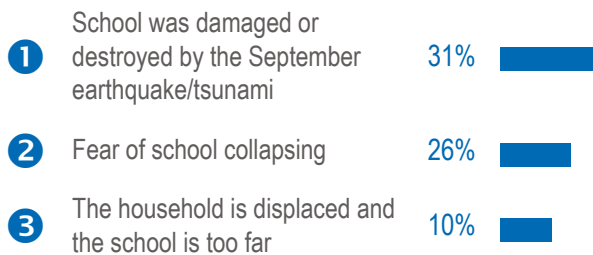
Education

Student attendance

7% of households with children reported having school-aged children who were not attending school following the disaster

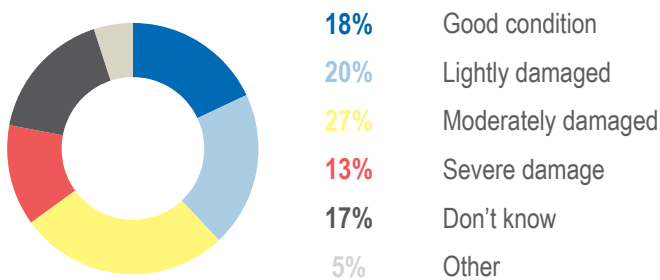
Among households where children were not attending school, there was an average of **1** child(ren) reported to not be attending school

Top 3 reported reasons why school-aged children were not attending school by households with children not attending school:¹⁹



Condition of school facilities

% of households reported the condition of the nearby school to be the following:



Health

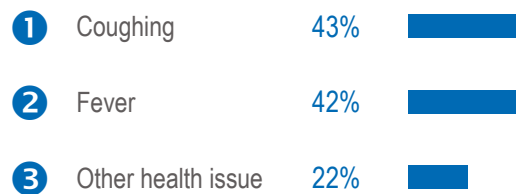
Immunization

19% of households reported having children in the household that were not immunized for measles, mumps, and rubella (MMR).

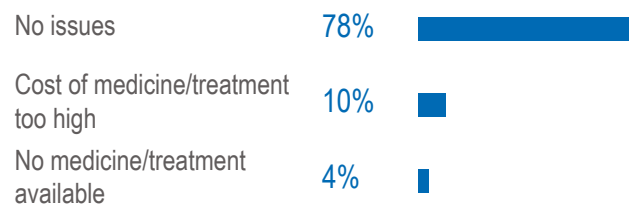
Illness and injury

48% of households reported that a member of the household had suffered from a health issue (illness or injury) in the 30 days prior to data collection

Top 3 types of health concerns reported by households with a member who had suffered from health issues in the 30 days prior to data collection:¹⁹



Main barriers to accessing healthcare reported by households who had needed to access medical treatment the 30 days prior to data collection:¹⁹

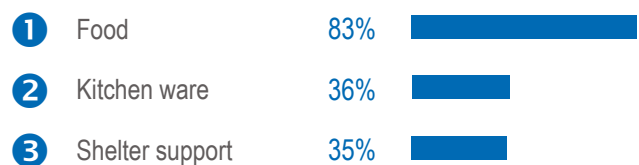


Main reasons (if any) that households have had to access health services in the 30 days prior to data collection:²⁰



1.2.3 Priority Needs

Top 3 most important priority needs as reported by households:²⁰



Communication with Communities

Information Needs

% of households by the type of information that the household reported needing the most:¹⁸



18. Single-choice question; only the top three responses are shown.

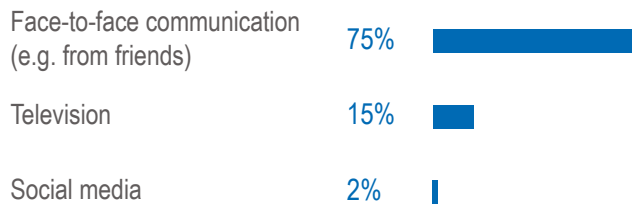
19. Respondents could select multiple responses, therefore results may exceed 100%; only the top three choices are shown.

20. Respondents could select up to three responses; therefore results may exceed 100%; only the top three choices are shown.





% of households by most preferred source from which they would like to receive new information:²¹

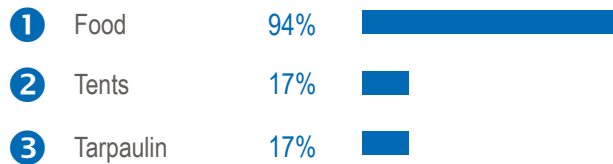


Humanitarian assistance

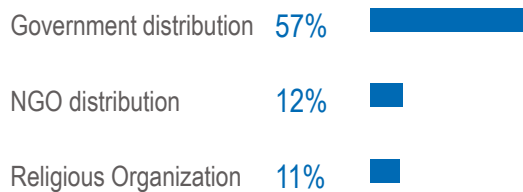
36%

of households reported that they had received humanitarian aid in the 30 days prior to data collection

Top 3 most common types of aid that households reported having received:²²



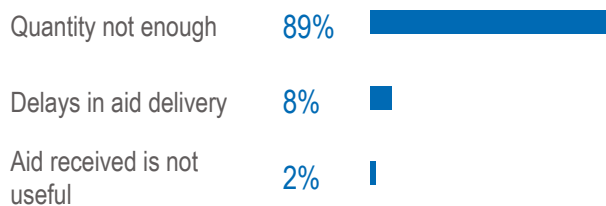
% of households by most common reported source of aid:²³



64%

of households reported that they were happy with the aid that they had received in the 30 days prior to data collection

Main reported reasons households were not satisfied by the aid received in the last 30 days:²³



21. Single-choice question; only the top three responses are shown.

22. Respondents could select multiple responses; only the top three choices are shown.

23. Single-choice question; only the top three responses are shown.

