



Puerto Rico
Public Health Trust



Puerto Rico
Science, Technology
& Research Trust



Hurricane Hub
Technical Assistance Center

Spontaneous Camp Survey

JANUARY 30-FEBRUARY 1, 2020

IMPROVISED CAMP ASSESSMENT TASK FORCE (ICA-TF)

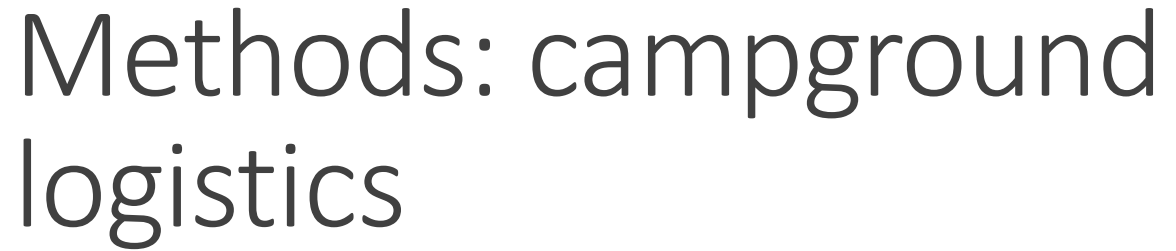


Objectives

- Determine number of improvised camps/identify new ones .
- Estimate demographics of camp occupants, including daily fluctuations.
- Identify occupant medical issues and needs.
- Evaluate camp living conditions.
- Ascertain reason to stay in camps.

Timeline







1. Improvised Camp Assessment Task Force (ICA-TF) established
 - Questionnaire was finalized January 28th
2. ICA-TF recruited volunteers from various health programs at local universities
 - Teams were trained in San Juan and Ponce on January 29th
3. Assessment teams were deployed to 13 municipalities January 30th, 31st & February 1

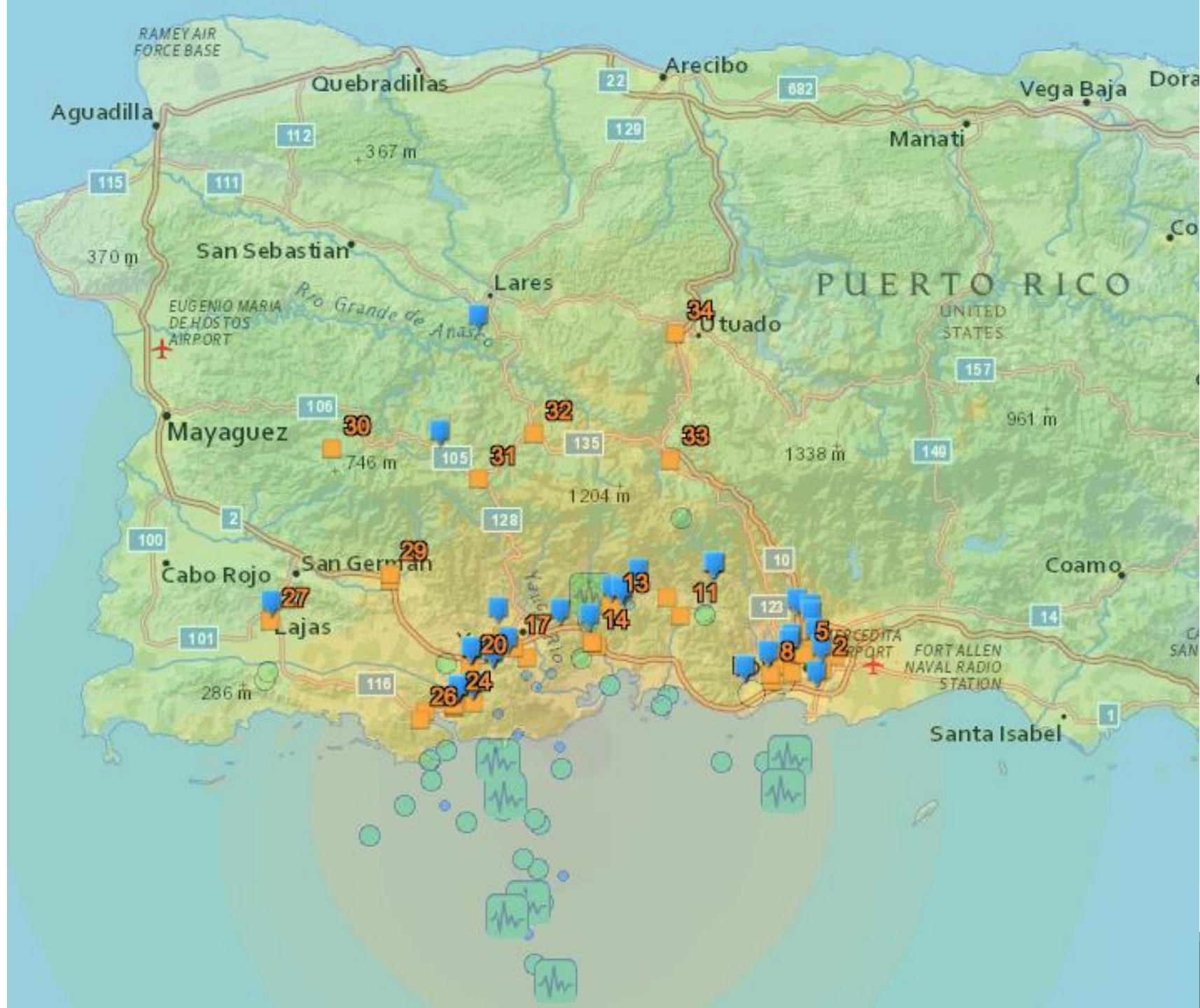
Methods: Field procedures

1. Team navigates to camp
2. Upon arrival team procedures for two level data collection
 - Team lead interview camp leader about overall camp conditions
 - Students conduct interviews with Individual families/households randomly selected
3. Students disperse in area locate and geo-code new found camps and interview residents
4. Start interviewing process again until all identified camps are visited

Map with location as of: February 3, 2020

Legend:

-  Campgrounds pre-survey
-  Surveyed campgrounds



Methods: Data collection Instruments

▼ Descripción Demográfica

Nombre de campamento o nombre de referencia

Localización de campamento



▼ Descripción de servicios, ambiente y suministros

Para tí y tu familia en los últimos 7 días, aquí en el campamento, como está la situación con respecto a los siguientes aspectos.

Usando la escala de malo, mediano y bueno

Seguridad física:

- ☐ Malo
- ☐ Mediano
- ☐ Bueno

Alimentos adecuados:

▼ Descripción Demográfica

Nombre del campamento o nombre de referencia

Localización de campamento



Pueblo en que está localizado el campamento

Barrio en que esta localizado el campamento

Sector en que esta localizado el campamento

Descripción de localización del campamento
punto de referencia, carr, km

1. Survey questions programed in tablets and phones via download using ESRI Survey 1-2-3 platform.
2. Data collected in camps uploads in real time to Excel data base.
3. ICA-TF epidemiologists responsible for analyzing data.
4. Preliminary report of findings prepared.

Results: Camp Demographics



**64 interviews
conducted with camp
leader.**



94 Family Interviews.



**Camps population
ranged from 3 to 330
people sleeping
there.**



**Average camp size:
Day: 25 people
Night: 40 people**



**Total persons in 64
camps:**

1541 day (62%)

2469 at night (100%)

including: (what was the proportional increase).

10.0 % persons under age 5

22.6 % persons 60 years or older

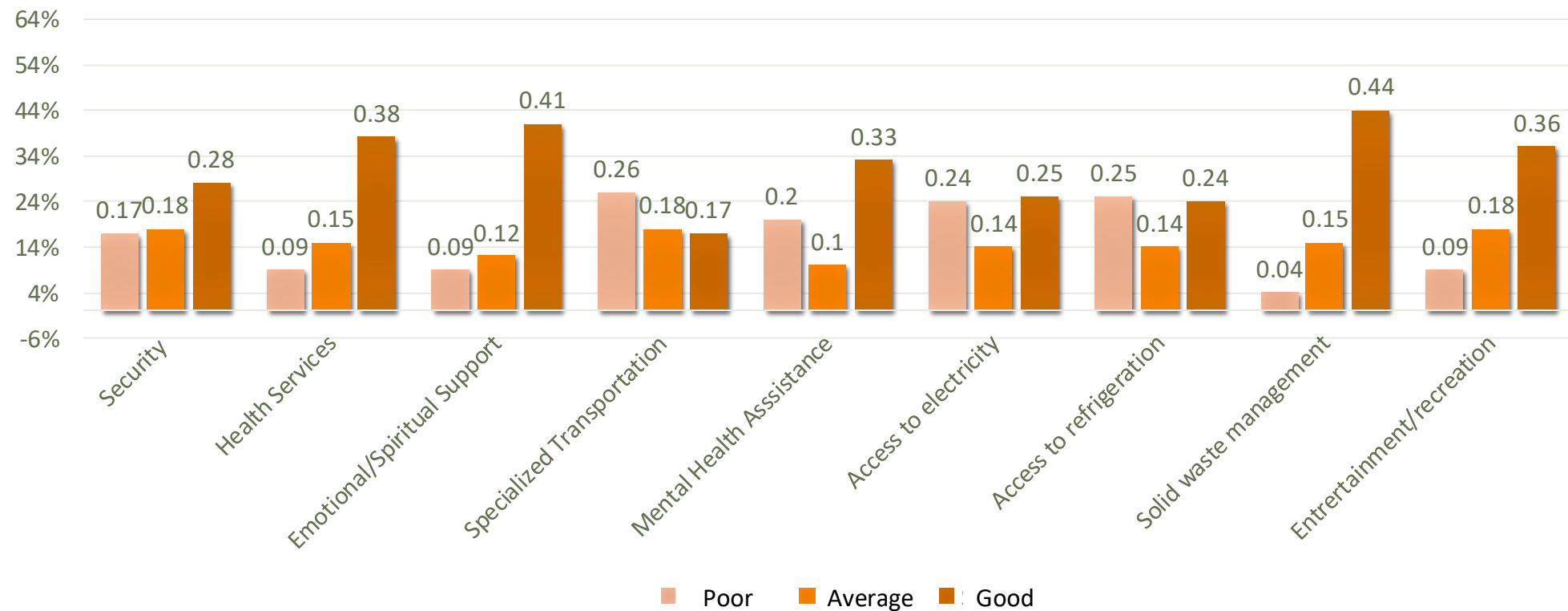
<https://gis.prsciencetrust.org/portal/apps/webappviewer/index.html?id=853714f9e46a470c8954142f8d073d13>



Results: Camp Leaders

Results: Camp conditions

According to camp leaders - Poor, Medium, or Good



n=64



Results: Family Leaders

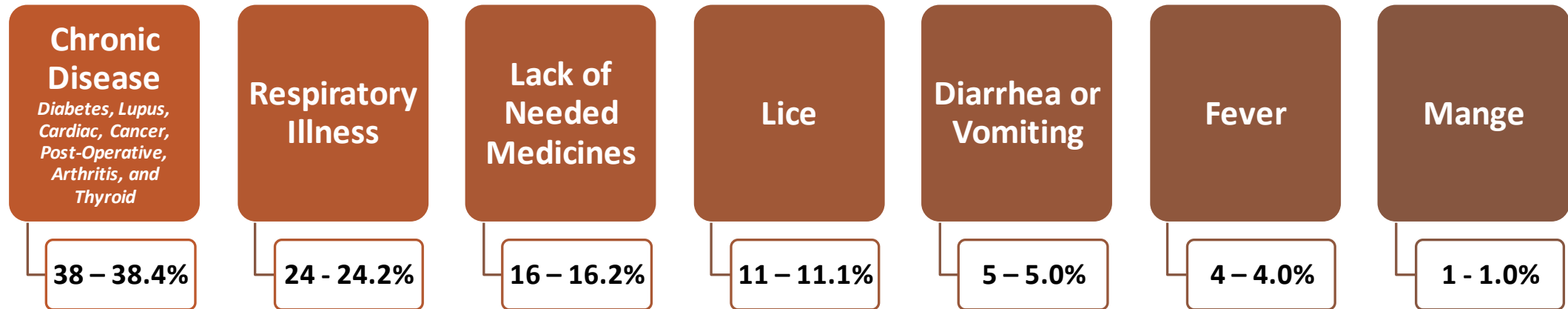
Results: Medical Issues



n = 471

240 – 50.9%	In need of electricity for assistive medical equipment.
126 – 26.7%	with special needs.
67 – 14.2%	with physical disabilities.
23 – 4.9%	bed-ridden (some reported skin ulcers).
10 - 2.1%	pregnant or lactating.
5 – 1.1%	dialysis patients.

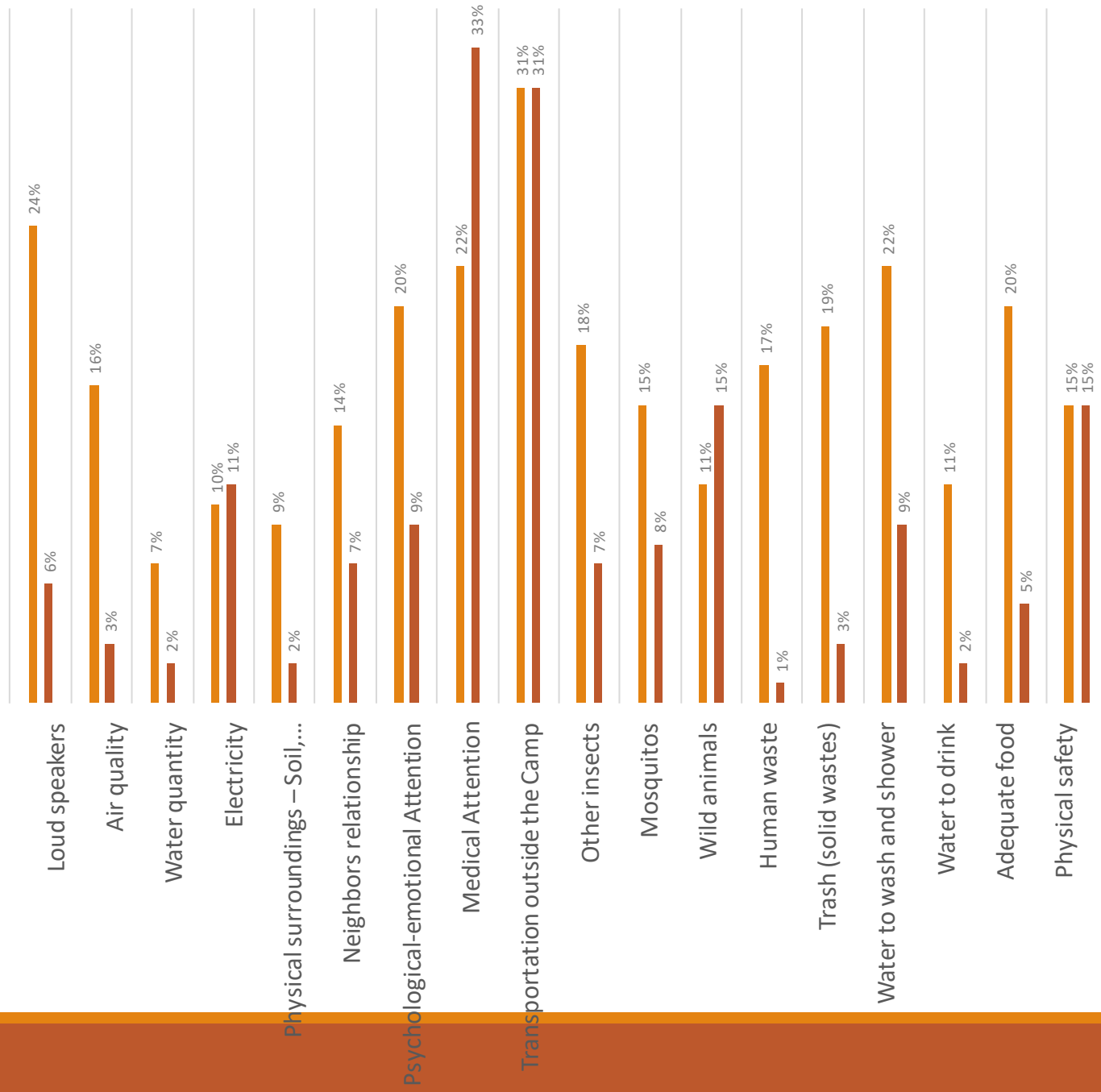
Results: Health Issues Reported in each camp



n = 99

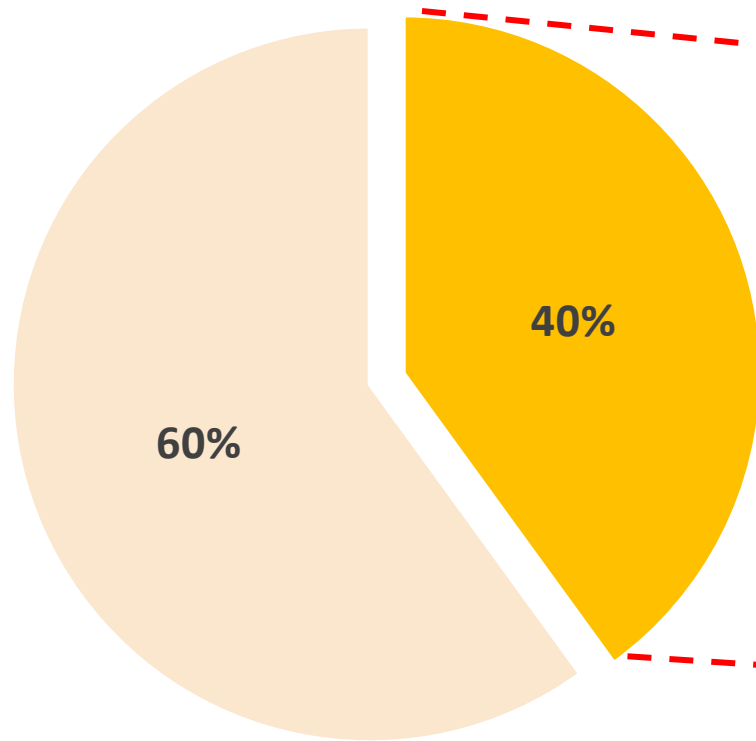
Results: Family perception

Medium Bad



Results: school age children

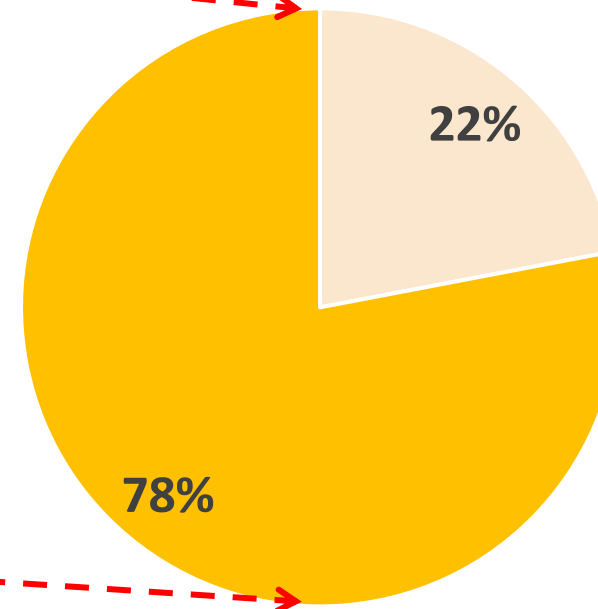
SCHOOL AGE CHILDREN IN CAMPS



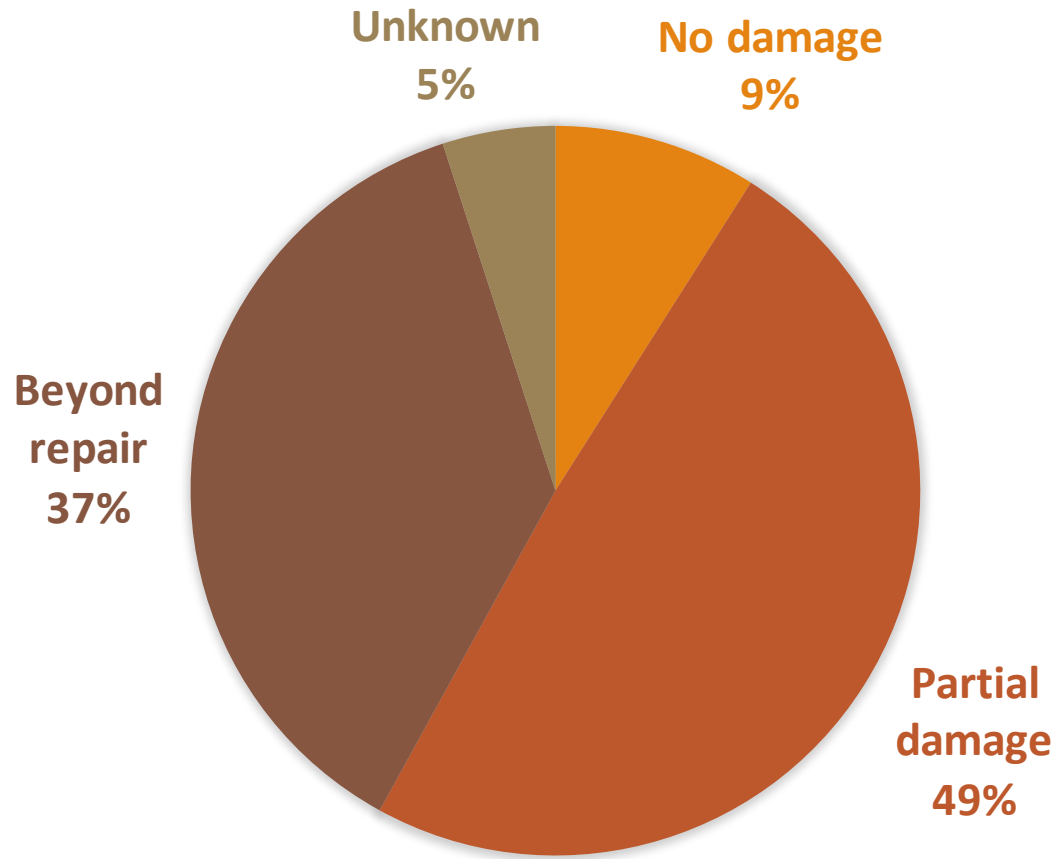
n=94

■ Yes ■ No

AFTER CERTIFICATION, WILL CHILDREN ATTEND



■ Yes ■ No

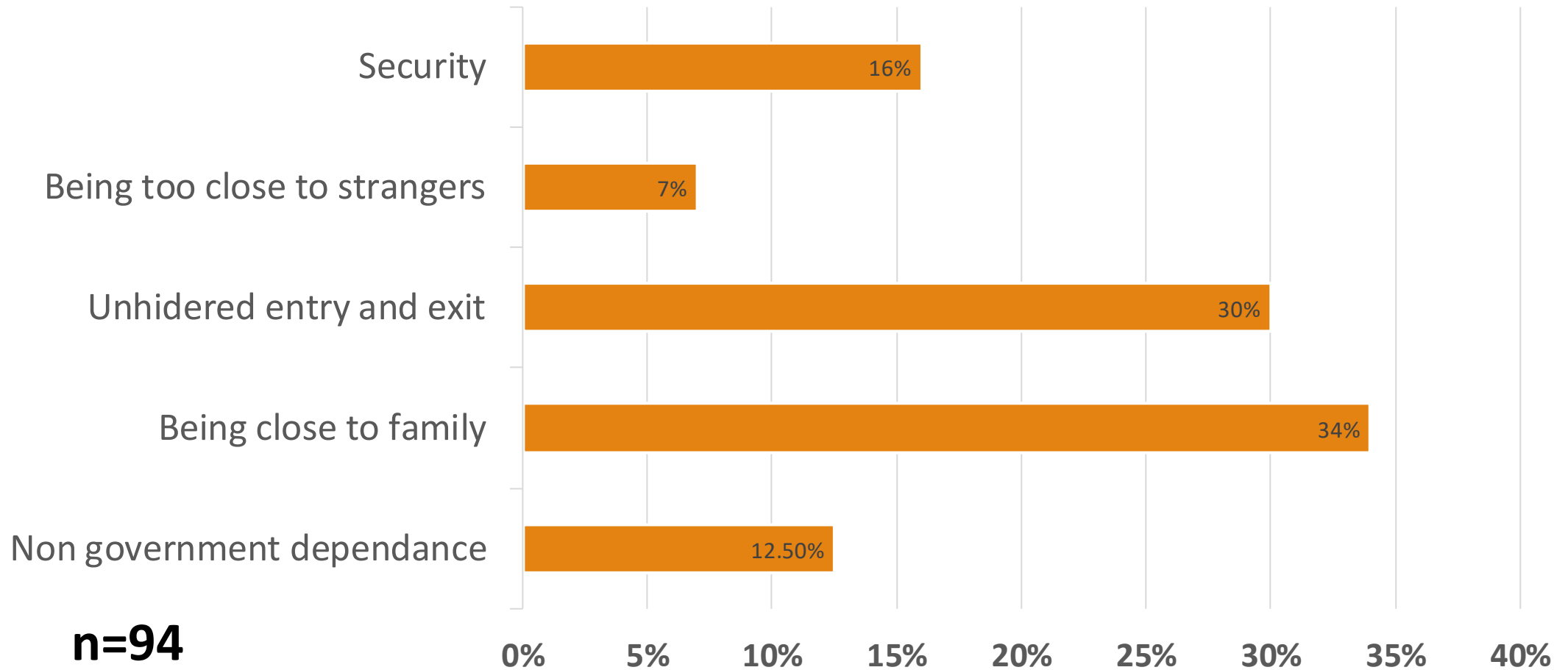


Results: Home damage

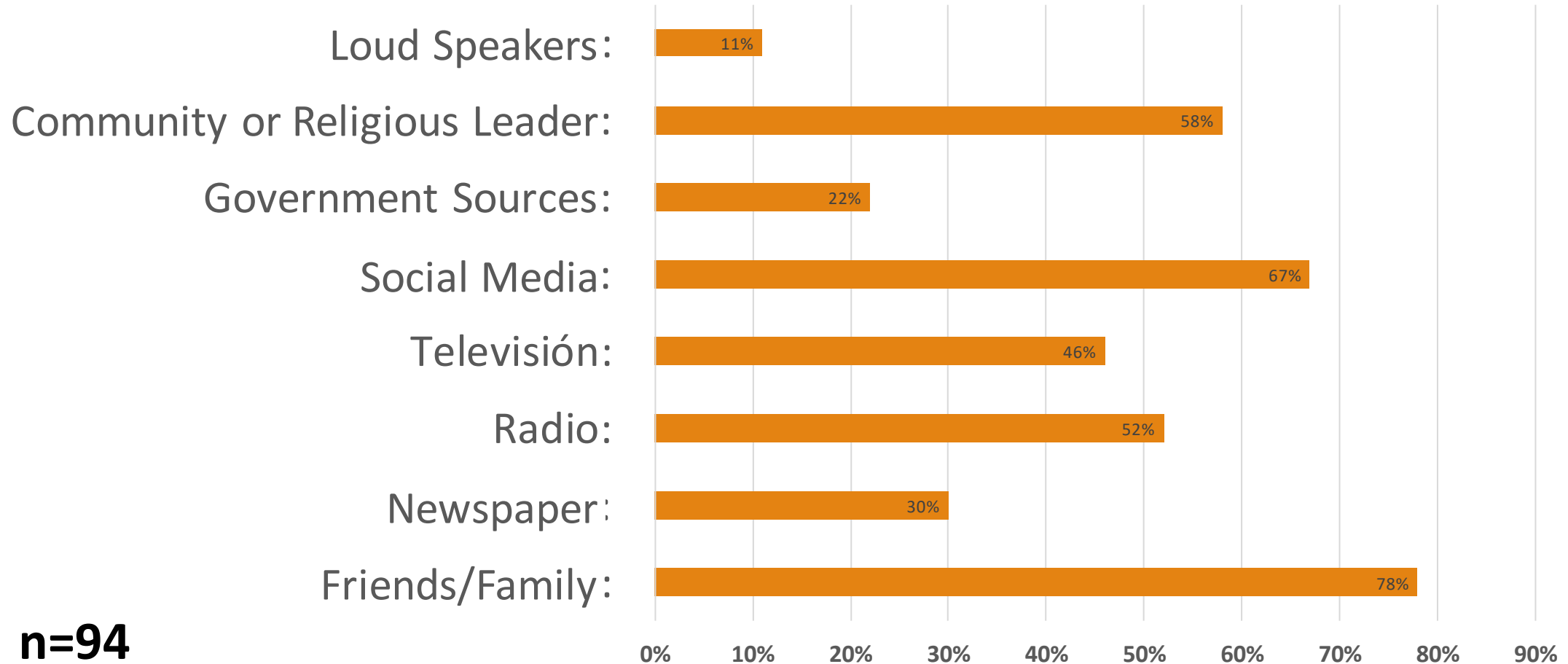
40% need building materials, once the house is certified

n=94

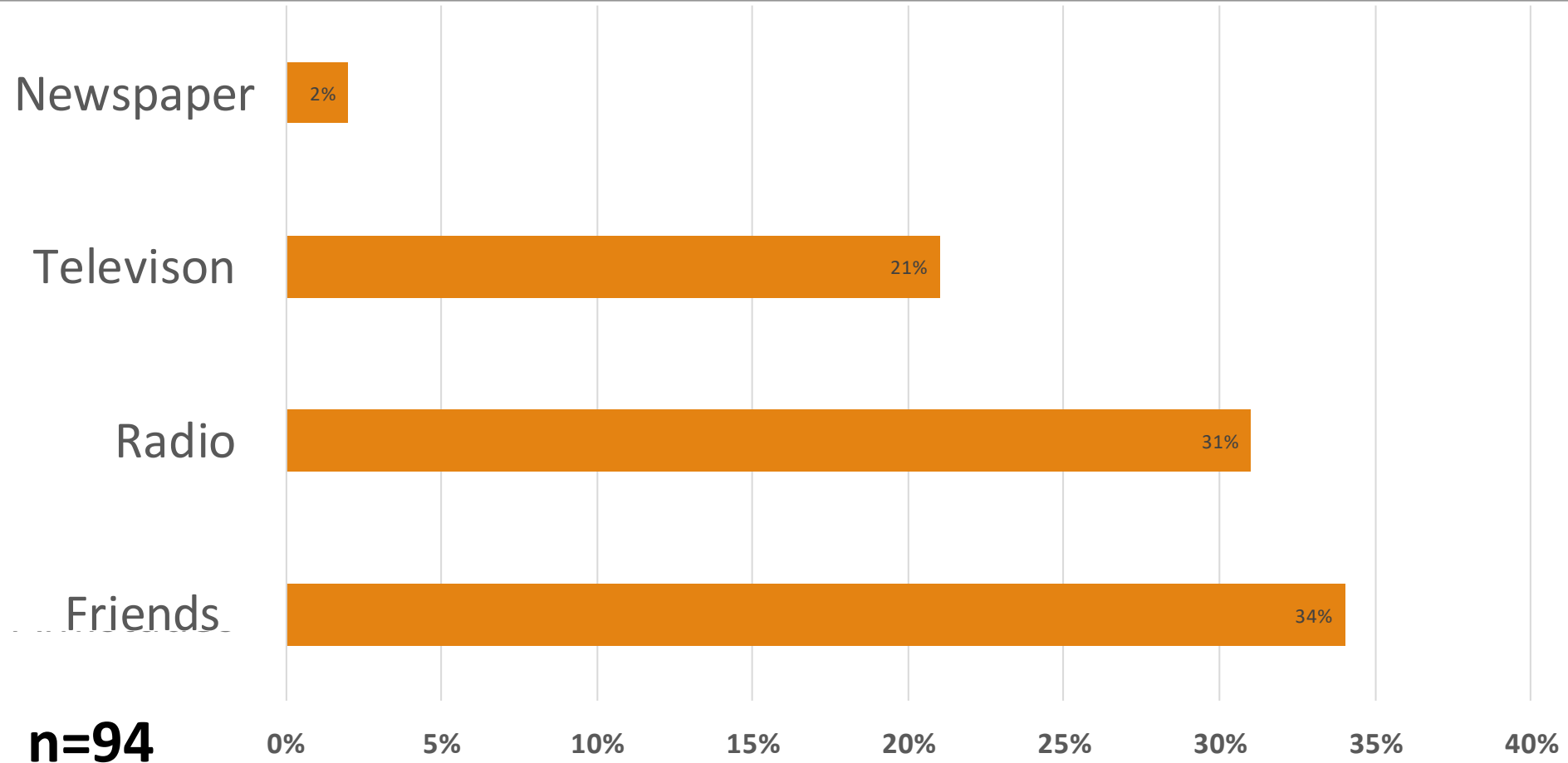
Results: Main reason to stay in the non-official campground?



Results: Your sources of Information



Results: Most trustworthy information source





Geographic coverage was good. Can not generalize to all camps since some were not found.



Rapidly changing situation, perhaps half of camp residents have gone home or to formal camps in recent weeks.



38% of people were not in the camps at the time of interviews.

Limitations

Acknowledgements

