

# Community-Based Tabletop Exercise Supporting Materials

Profile Cards  
Aggregated Community Data Packet  
Debrief and Feedback Form

For more information, see: Qin, J. Y., Lin, W. A., Díaz P. S., Arcila, N. Sury, J., & Soden, R. (2023). Improving Disaster Information and Communication Technology Solutions In Puerto Rico: Co-Designed Community-Based Tabletop Exercises. *Natural Hazards Center Community Engagement Brief Series*, 3. University of Colorado Boulder. <https://hazards.colorado.edu/public-health-disaster-research/improving-disaster-information-and-communication-technology-solutions-in-puerto-rico>

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# Resident Activo Profiles

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#R005

# Gabriel Ayala

Age 24 (Male)

## Phone Number

(787) 567-8901

## Address

Calle 1, #4

## Household ID

#H002

## Other Household Members

- Celia Ayala (Age 26)

## Motivation

- Keeping self healthy and safe
- Staying connected with the neighbors and the community
- Personal and professional growth
- Maintain financial security

## Health

- No Health Insurance**
- Chronic Health Condition
- Access & Functional Needs

## Infrastructure

- Living in At-Risk Area
- No Access to Transportation
- No Water Cistern**
- No Alternative Energy (Generator/Solar)**

## Economic

- Below Poverty Line**
- Unemployed
- Pension/Government Assistance

## Skills & Training

- Emergency Response Training**
- CERT Training**
- Driver License**
- Other skills:** Nutritionist

## Availability to help as a resident activo

- None
- Weekdays
- Weekend**

I can provide: 4 hours/per week.

Number of vehicles I can access: 1

#R047

# Adela Morales

Age 45 (Female)

### Phone Number

(787) 901-2345

### Address

Calle 5, #65

### Household ID

#H021

### Other Household Members

- Karla Morales (Age 45)

### Infrastructure

- Living in At-Risk Area**
- No Access to Transportation
- No Water Cistern**
- No Alternative Energy (Generator/Solar)**

### Skills & Training

- Emergency Response Training**
- CERT Training**
- Driver License**
- Others:** Cooking

### Motivation

- Care for the health and safety for self and family
- Sense of responsibility and love for their community and fellow citizens
- Access to new information and community resources
- Maintain financial security

### Health

- No Health Insurance**
- Chronic Health Condition
- Access & Functional Needs

### Economic

- Below Poverty Line
- Unemployed
- Pension/Government Assistance

### Availability to help as a resident activo

- None
- Weekdays
- Weekend**

I can provide: 6 hours/per week.

Number of vehicles I can access: 1.

#R072

# David Ríos

Age 34 (Male)

**Phone Number**  
(939) 456-7890

**Address**  
Calle 6, #2

**Household ID**  
#H030

**Other Household Members**

- Martina Ríos (Age 68)

## Infrastructure

- Living in At-Risk Area**
- No Access to Transportation
- No Water Cistern**
- No Alternative Energy (Generator/Solar)**

## Skills & Training

- Emergency Response Training
- CERT Training**
- Driver License**
- Others:** Heavy machine

## Motivation

- Care for the health and safety for self, family and neighbors
- Staying connected with family and the community
- Recognition, empowerment, and opportunity for growth

## Health

- No Health Insurance**
- Chronic Health Condition
- Access & Functional Needs

## Economic

- Below Poverty Line
- Unemployed
- Pension/Government Assistance

## Availability to help as a resident activo

- None
- Weekdays**
- Weekend

I can provide: 6 hours/per week.

Number of vehicles I can access: 1.

#R097

# Tatiana Torres

Age 73 (Female)

**Phone Number**  
(939) 890-1234

**Address**  
Calle 8, #45

**Household ID**  
#H042

**Other Household Members**  
None

## Motivation

- Stay active and busy
- Care for the health and safety for self, family and neighbors
- Staying connected with family and the community
- Access to new information and community resources

## Health

- No Health Insurance**
- Chronic Health Condition
- Access & Functional Needs**

## Infrastructure

- Living in At-Risk Area**
- No Access to Transportation**
- No Water Cistern**
- No Alternative Energy (Generator/Solar)**

## Economic

- Below Poverty Line**
- Unemployed**
- Pension/Government Assistance**

## Skills & Training

- Emergency Response Training
- CERT Training
- Driver License
- Others: Cooking**

## Availability to help as a resident activo

- None
- Weekdays**
- Weekend**

I can provide: 10 hours/per week.

Number of vehicles I can access: 0

#R003

# Juan Acosta

Age 63 (Male)

**Phone Number**  
(787) 456-7890

**Address**  
Calle 1, #3

**Household ID**  
#H001

## Other Household Members

- Emma Acosta (Age 23)
- Francisco Acosta (Age 31)

## Infrastructure

- Living in At-Risk Area
- No Access to Transportation
- No Water Cistern**
- No Alternative Energy (Generator/Solar)**

## Skills & Training

- Emergency Response Training
- CERT Training**
- Driver License**
- Others:** Carpentry

## Motivation

- Stay active and busy
- Care for the health and safety for self, family and neighbors
- Staying connected with family and the community
- Sense of responsibility and love for their community and fellow citizens

## Health

- No Health Insurance**
- Chronic Health Condition**
- Access & Functional Needs

## Economic

- Below Poverty Line
- Unemployed**
- Pension/Government Assistance

## Availability to help as a resident activo

- None
- Weekdays**
- Weekend**

I can provide: 12 hours/per week.

Number of vehicles I can access: 1.

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# Community Leader Profiles

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#R092

## \*Kelvin Soto

Age 68 (Male)

**Phone Number**  
(787) 456-7890

**Address**  
Calle 8, #4

**Household ID**  
#H040

### Other Household Members

- Adriana Soto (Age 35)
- Jorge Soto (Age 28)

### Infrastructure

- Living in At-Risk Area**
- No Access to Transportation
- No Water Cistern**
- No Alternative Energy (Generator/Solar)**

### Skills & Training

- Emergency Response Training
- CERT Training
- Driver License**
- Others: Cooking**\_\_\_\_\_.

### Motivation

- Bringing people together to create positive change to the community
- Recognition, empowerment, and opportunity for growth
- Ensure no one in the community is left behind especially the marginalized population

### Responsibility & Priority

- Foster mutual support and solidarity among community residents
- Empower the community to become self-sufficient
- Minimize disaster response time

### Health

- No Health Insurance**
- Chronic Health Condition**
- Access & Functional Needs

### Economic

- Below Poverty Line
- Unemployed**
- Pension/Government Assistance**

### Availability to help as a resident activo

- None
- Weekdays**
- Weekend**

I can provide: 30 hours/per week.

Number of vehicles I can access: 1.

#R057

## \*Laura Pérez

Age 51 (Female)

**Phone Number**  
(787) 345-6789

**Address**  
Calle 6, #5

**Household ID**  
#H025

### Other Household Members

- Ana Pérez (Age 38)
- María Pérez (Age 77)
- Hector Pérez (Age 33)

### Motivation

- Sense of responsibility and love for their community and fellow citizens
- Bringing positive impact to the community

### Responsibility & Priority

- Give a voice to those who do not have it during emergencies
- Empathize the importance of spiritual and emotional support in disaster management

### Health

- No Health Insurance
- Chronic Health Condition
- Access & Functional Needs

### Infrastructure

- Living in At-Risk Area
- No Access to Transportation
- No Water Cistern**
- No Alternative Energy (Generator/Solar)**

### Economic

- Below Poverty Line
- Unemployed
- Pension/Government Assistance

### Skills & Training

- Emergency Response Training**
- CERT Training**
- Driver License**
- Others:** Event Planning

### Availability to help as a resident activo

- None
- Weekdays**
- Weekend**

I can provide: 20 hours/per week.

Number of vehicles I can access: 2.

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# Municipality Profile

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# Cristina Rosario

Age 39 (Female)

## **Municipal department**

Municipal Emergency Management Office

## **Title & Position**

Director

## **Motivation**

- Bring positive impact and help people and communities in need
- Meet donor expectations and fundraising goals
- Personal professional growth and job satisfaction

## **Responsibility**

- Develop disaster preparation plan
- Manage supply procurement and monitoring

## **Priority**

- Provide economic and social assistance programs in five sectors: Planning, Housing, Economy, Infrastructure and Multisectoral.
- Fair housing and equal opportunities
- Promoting economic growth and development
- Improving public health and access to healthcare

# Carlo García

Age 54 (Male)

## **Municipal department**

Municipal Emergency Management Office

## **Title & Position**

Coordinator

## **Motivation**

- Bring positive impact and help people and communities in need
- Meet donor expectations and fundraising goals
- Personal professional growth and job satisfaction

## **Responsibility**

- Support the development of disaster preparation plan
- Community outreach
- Support the management of supply procurement and monitoring

## **Priority**

- Provide economic and social assistance programs in five sectors: Planning, Housing, Economy, Infrastructure and Multisectoral.
- Fair housing and equal opportunities
- Promoting economic growth and development
- Improving public health and access to healthcare

# **Aggregated Community Data Packet**

Community Data Index

	B	C	D
1	<b>Category</b>	<b>Data Field</b>	<b>Notes</b>
3	Contact	Household ID	System ID assigned to a household
7	Contact	Address	Physical address
8	Contact	Community ID	System ID assigned to a community
9	Contact	Community Name	Community name
10	Demographic	Population	Number of residents in community
11	Demographic	Households	Number of households in community
13	Demographic	Gender - Female	Person identify as female
14	Demographic	Gender - Male	Person identify as male
15	Demographic	Gender - Other	Person identify as any other gender
17	Demographic	Children (<18)	Person below 18 years old
18	Demographic	Elderly (>=65)	Person above 65 years old
19	Social Connection	Household Size	Number of people in the household
20	Social Connection	Living Alone	Person doesn't live with other people
21	Economic Status	Below Poverty Line	Based on U.S. Federal Poverty Guidelines: 1 person: \$14,580; 2 people: \$19,720; 3 people: \$24,860; 4 people: \$30,000; 5 people: \$35,140
22	Special Needs	Bedridden	Person confined to bed due to illness or other health
23	Special Needs	Other Access & Functional Needs	Person with functional needs (related to a restriction or limited ability to perform activities normally considered routine) that may require assistance before, during, and/or after a disaster or emergency. This includes physical, developmental, or intellectual disabilities, but
24	Infrastructure	Living in At-Risk Area	House located in an area prone to flood, landslide, etc.
25	Infrastructure	No Access to Transportation	No access to motorized transportation
26	Infrastructure	No Water Cistern	No access to large tanks for water storage
27	Infrastructure	No Alternative Energy (Generator/ Solar)	No access to alternative energy sources, such as a generator or solar power, in case of an emergency
28	Disaster Impact Assessment	No Housing Access	No access to housing or shelter
29	Disaster Impact Assessment	No Electricity	No access to electricity or power
30	Disaster Impact Assessment	No Water	No access to water (potable or not)
31	Disaster Impact Assessment	No Road Access	Road to house is blocked

Aggregated Community Data  
(Population numbers)

Community		Demographic							Social Connection	Economic Status
Community ID	Community Name	Population	Household	Gender - Female	Gender - Male	Gender - Other	Children (<18)	Elderly (>=65)	Living Alone	Below Poverty Line
C001	Comunidad 01	100	45	39	60	1	7	21	14	35
C002	Comunidad 02	200	120	90	110	0	12	48	40	80
C003	Comunidad 03	150	70	77	72	2	12	38	18	68
C004	Comunidad 04	100	48	49	51	0	5	19	15	33
C005	Comunidad 05	80	35	39	40	1	3	20	11	34
C006	Comunidad 06	120	58	47	72	1	6	24	12	54
C007	Comunidad 07	90	50	45	45	0	5	23	13	36
C008	Comunidad 08	180	86	86	94	0	13	43	23	54
C009	Comunidad 09	110	50	50	59	1	6	22	10	37
C010	Comunidad 10	95	40	47	48	0	8	18	10	37
<b>Total</b>		<b>1,225</b>	<b>602</b>	<b>568</b>	<b>651</b>	<b>6</b>	<b>76</b>	<b>276</b>	<b>166</b>	<b>468</b>



Aggregated Community Data  
(Population numbers)

Community		Special Needs		Infrastructure			
Community ID	Community Name	Bedridden	Other Access & Functional Needs	Living in At-Risk Area	No Access to Transportation	No Water Cistern	No Alternative Energy (Generator/ Solar)
C001	Comunidad 01	5	10	43	17	68	82
C002	Comunidad 02	8	20	40	40	150	180
C003	Comunidad 03	8	18	45	23	105	120
C004	Comunidad 04	4	9	35	15	80	78
C005	Comunidad 05	5	6	32	14	56	68
C006	Comunidad 06	8	13	30	13	83	95
C007	Comunidad 07	3	14	27	17	64	72
C008	Comunidad 08	7	23	32	23	137	126
C009	Comunidad 09	4	13	40	20	75	76
C010	Comunidad 10	3	8	31	13	67	71
<b>Total</b>		<b>55</b>	<b>134</b>	<b>355</b>	<b>196</b>	<b>885</b>	<b>968</b>

Aggregated Community Data  
(Population numbers)

Community		Disaster Impact Assessment			
Community ID	Community Name	No Housing Access	No Electricity	No Water	No Road Access
C001	Comunidad 01	53	84	53	34
C002	Comunidad 02	80	184	120	50
C003	Comunidad 03	45	120	83	27
C004	Comunidad 04	25	82	90	30
C005	Comunidad 05	35	70	50	28
C006	Comunidad 06	42	96	79	24
C007	Comunidad 07	30	75	57	27
C008	Comunidad 08	65	130	130	32
C009	Comunidad 09	43	83	75	29
C010	Comunidad 10	38	76	68	19
<b>Total</b>		<b>456</b>	<b>999</b>	<b>804</b>	<b>300</b>

Aggregated Community Data  
(Population Percentages)

Community		Demographic							Social Connection	Economic Status
Community ID	Community Name	Population	Household	Gender - Female	Gender - Male	Gender - Other	Children (<18)	Elderly (>=65)	Living Alone	Below Poverty Line
C001	Comunidad 01	100	45	39%	60%	1%	7%	21%	14%	35%
C002	Comunidad 02	200	120	45%	55%	0%	6%	24%	20%	40%
C003	Comunidad 03	150	70	51%	48%	1%	8%	25%	12%	45%
C004	Comunidad 04	100	48	49%	51%	0%	5%	19%	15%	33%
C005	Comunidad 05	80	35	49%	50%	1%	4%	25%	14%	43%
C006	Comunidad 06	120	58	39%	60%	1%	5%	20%	10%	45%
C007	Comunidad 07	90	50	50%	50%	0%	6%	26%	14%	40%
C008	Comunidad 08	180	86	48%	52%	0%	7%	24%	13%	30%
C009	Comunidad 09	110	50	45%	54%	1%	5%	20%	9%	34%
C010	Comunidad 10	95	40	49%	51%	0%	8%	19%	10%	39%

Aggregated Community Data  
(Population Percentages)

Community		Special Needs		Infrastructure			
Community ID	Community Name	Bedridden	Other Access & Functional Needs	Living in At-Risk Area	No Access to Transportation	No Water Cistern	No Alternative Energy (Generator/ Solar)
C001	Comunidad 01	5%	10%	43%	17%	68%	82%
C002	Comunidad 02	4%	10%	20%	20%	75%	90%
C003	Comunidad 03	5%	12%	30%	15%	70%	80%
C004	Comunidad 04	4%	9%	35%	15%	80%	78%
C005	Comunidad 05	6%	7%	40%	18%	70%	85%
C006	Comunidad 06	7%	11%	25%	11%	69%	79%
C007	Comunidad 07	3%	15%	30%	19%	71%	80%
C008	Comunidad 08	4%	13%	18%	13%	76%	70%
C009	Comunidad 09	4%	12%	36%	18%	68%	69%
C010	Comunidad 10	3%	8%	33%	14%	71%	75%

Aggregated Community Data  
(Population Percentages)

Community		Disaster Impact Assessment			
Community ID	Community Name	No Housing Access	No Electricity	No Water	No Road Access
C001	Comunidad 01	53%	84%	53%	34%
C002	Comunidad 02	40%	92%	60%	25%
C003	Comunidad 03	30%	80%	55%	18%
C004	Comunidad 04	25%	82%	90%	30%
C005	Comunidad 05	44%	88%	62%	35%
C006	Comunidad 06	35%	80%	66%	20%
C007	Comunidad 07	33%	83%	63%	30%
C008	Comunidad 08	36%	72%	72%	18%
C009	Comunidad 09	39%	75%	68%	26%
C010	Comunidad 10	40%	80%	72%	20%

# Debrief & Feedback Form

This survey should be completed and returned to the Facilitator. The information contained in this survey will help to generate next step recommendations. Thank you in advance for your input.

**Name** (Optional) \_\_\_\_\_

**Date** \_\_\_\_\_

**Your role in this exercise** (Circle what apply)

1-Municipal Representative

2-Community Leader

3-Resident Activo

4-Resident

## Part 1. Rate your experience

#	Assessment Factors	Strongly agree	Agree	Neither Agree or Disagree	Disagree	Strongly Disagree
1	The exercise was well structured and organized	5	4	3	2	1
2	The facilitator(s) was knowledgeable about the material, kept the exercise on target, and was sensitive to group dynamics	5	4	3	2	1
3	I felt supported to share and discuss my ideas openly in the small discussion group	5	4	3	2	1
4	I felt supported to share and discuss my ideas openly in the large discussion group	5	4	3	2	1
5	I felt encouraged to participate in the decision-making process	5	4	3	2	1
6	I have learned new things about disaster management from other members in my group	5	4	3	2	1
7	The ideas I proposed were incorporated into the decision-making process	5	4	3	2	1
8	The ideas I proposed were incorporated into the final response and results	5	4	3	2	1

## Part 2. Rate the potentials of re+connect

This tabletop exercise with participation from user groups like you is critical for us to develop an accessible, reliable, and user-friendly platform.

**Complete the assessment of this part if you were a resident in this exercise:**

Based on your experience with the prototype (information tables and charts as well as the process), how likely do you think future versions of re+connect tools will be able improve disaster resilience for the following aspects:

1. Circle three of the aspects that you consider to be most important.
2. Provide your ratings for the following aspects.

#	Assessment Factors	Strongly agree	Agree	Neither Agree or Disagree	Disagree	Strongly Disagree
1	Increase residents' awareness of community disaster management needs and measures	5	4	3	2	1
2	Increase in positive attitudes toward engaging in disaster planning and risk reduction	5	4	3	2	1
3	Increase in interactions with other community members	5	4	3	2	1
4	increase in civic engagement activities (attending meetings, contact with decision-makers, voting)	5	4	3	2	1
5	Increase in levels of trust in neighbors and the local community	5	4	3	2	1
6	Improve trust for their communities and government/agencies	5	4	3	2	1
7	Improve access to disaster relief resources and services in an equitable and effective manner	5	4	3	2	1
8	Bridge the gap for residents with special needs	5	4	3	2	1
9	Reduce time between event onset and service/resource delivery	5	4	3	2	1
10	Improve access to and participation in decision-making process	5	4	3	2	1

Any additional feedback that you would like to share with us?

**Complete this part you were a disaster management agency or a community leader in this exercise:**

Based on your experience with the prototype (information tables and charts as well as the process), how likely do you think re+connect tools will be able improve disaster resilience for the following aspects:

1. Circle three of the aspects that you consider to be most important.
2. Provide your ratings for the following aspects.

#	Assessment Factors	Strongly agree	Agree	Neither Agree or Disagree	Disagree	Strongly Disagree
1	Improved understanding of community needs	5	4	3	2	1
2	Easier to connect and coordinate with other organizations	5	4	3	2	1
3	Easier to connect and coordinate with residents	5	4	3	2	1
4	Increased interactions with other organizations	5	4	3	2	1
5	Greater trust with other organizations	5	4	3	2	1
6	Greater trust with residents	5	4	3	2	1
7	Improved disaster management planning and preparedness with access to community information and decision-making support	5	4	3	2	1
8	More inclusive and equitable decision-making process	5	4	3	2	1
9	Increased access to funding/resources for disaster management activities (preparation, recovery, etc.)	5	4	3	2	1
10	More equitable and effective resource allocation and distribution	5	4	3	2	1

Any additional feedback that you would like to share with us?



### Part 3. (OPTIONAL)

If you're willing to share with us more about yourself, please check all that apply:

- Man
- Woman
- Other gender
- LGBTQIA+
- 65 years +
- Functional diversity or other special/physical need
- Chronical health condition
- LGBTQIA+
- Immigrant
- Living in an at-risk area
- Have cistern
- Have a generator
- Have health insurance
- Have home insurance (i.e. flood insurance)

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## References

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(For Internal Use Only)

**Based on your experience with re+connect during the exercise, please rate the following statements about the tool's potential to improve disaster resilience in the following aspects:**

For residents/households:

- A. Increase residents' awareness of community disaster management needs and measures
- B. Increase in positive attitudes toward engaging in disaster planning and risk reduction
- C. Increase in interactions with other community members
- D. Increase in civic engagement activities (attending meetings, contact with decision-makers, voting)
- E. Increase in levels of trust in neighbors and the local community
- F. Improve trust for their communities and government/agencies
- G. Improve access to disaster relief resources and services in an equitable and effective manner
- H. Bridge the gap for residents with special needs
- I. Reduce time between event onset and service/resource delivery
- J. Enhance sense of agency and preparedness for future disasters
- K. Improve access and participation decision-making process

For disaster management agencies and community groups:

- L. Increased understanding of community needs
- M. Makes it easier to connect and coordinate with other organizations and residents
- N. Increase in interactions with other organizations
- O. Improves disaster management planning and preparedness with community information
- P. Increase in access to resources/services for disaster management activities (preparation, recovery, etc.)

Based on your personal experience with the disaster management, how strongly do you feel for the following aspects:

How would you rate the potentials of re+ to achieve the following aspects