



STAFF REPORT

Report To: Board of Health

Meeting Date: July 19, 2018

Staff Contact: Jeanne Freeman (JMFreeman@carson.org)

Agenda Title: For Presentation and Discussion Only: Presentation and discussion about the Community Assessment for Public Health Emergency Response (CASPER).

Staff Summary: Public Health Preparedness staff will be conducting a Community Assessment for Public Health Emergency Response (CASPER) throughout Carson City during the week of September 17-September 21. CCHHS will be the first jurisdiction in Nevada to complete a CASPER. Staff has been trained in the processes by the Centers for Disease Control and Prevention (CDC). This project will involve collaboration with Fire, Sheriff's Office, and Emergency Management. The purpose of the CASPER is to help City Emergency Management officials know how prepared this community is for a disaster, identify preferred modes of communication during an emergency, and to educate community members about the importance of preparedness and how to accomplish preparedness. CASPER is a face-to-face survey process within randomly selected census clusters. This process will require volunteers to go knock on doors and complete a brief 15 minute survey with residents. Following CDC protocols, a total of 210 surveys will be completed.

Agenda Action: Other/Presentation

Time Requested: 15 minutes

Proposed Motion

Presentation and discussion only.

Board's Strategic Goal

Quality of Life

Previous Action

N/A

Background/Issues & Analysis

N/A

Applicable Statute, Code, Policy, Rule or Regulation

N/A

Financial Information

Is there a fiscal impact? Yes No

If yes, account name/number:

Is it currently budgeted? Yes No

Explanation of Fiscal Impact: This activity is in the Public Health Preparedness grant Scope of Work and Budget.

Alternatives

None

Board Action Taken:


Motion: _____

1) _____

2) _____

Aye/Nay

(Vote Recorded By)



**Community
ASsessment
for
Public Health
Emergency
Response
(CASPER)**

What is CASPER?

- Epidemiologic survey technique
 - Household-based information
- Can be conducted throughout the life span of the disaster
- Can be conducted in a non-emergent setting to assess preparedness



Goals

- Rapidly obtain information about the needs of the community
 - Examples
- Produce population-based estimates
- Assess new or changing needs



Sampling Method

- Two- Stage Cluster
 - Stage 1
 - Stage 2
 - 7 Households are selected by systematic random sampling from each cluster
- 30 Clusters x 7 Household Interviews= 210 Interviews
- “Teams” deploy into the field to conduct face to face interviews





Advantages

- Generalizable data
- Timely
- Relatively low cost
- Simple reporting format
- Flexible
- Higher response rate
- Increase your organization's visibility with the public
- Distribute materials to the community



Impacts

- Allocate scarce resources
- Respond to specific needs in the community
- Provide valid information to the community during a disaster
- Support the funding of projects based on community needs
- Target communication messages
- Modify emergency management plans



PHP CASPER

- Vision
 - To assess the level of preparedness in Carson City and Douglas County to improve public health and emergency response during disasters.
- Time Frame
 - Carson City: September 17-21, 2018
 - Douglas County: May 13-17, 2019



Sample Survey

Klein CASPER Survey February 25, 2017	Cluster Number	Survey Team	Survey Number	Interview Time	Initials
<p>INSTRUCTIONS: Read the following questions to the resident. It is important to read the questions verbatim; consistency among the various surveys is critical to the analysis.</p> <p>Pay attention to the boldfaced text – it is meant to provide question-level instruction to the surveyor and are not meant to be read to the resident.</p>					
<p>1. What type of system is the residence? (Observation Only)</p> <p>A) Single family home B) Mobile home C) Mobile Home / (Department/Club/etc.) D) Other (specify) _____</p>					
<p>2. How many people are currently living in your household, including you? (All members)</p> <p>A) Less than 5 B) 5-10 years C) 11-15 years D) 16-44 years E) 45 years or more</p>					
<p>3. How many people in the household are in each of the following age ranges? (All members)</p> <p>A) Less than 5 B) 5-10 years C) 11-15 years D) 16-44 years E) 45 years or more</p>					
<p>4. How prepared do you feel your household is to handle a public health emergency? (Select one answer)</p> <p>A) Well Prepared B) Somewhat Prepared C) Not at all Prepared D) Do Not Know E) Refused</p>					
<p>5. Does your household have any of the following emergency plans? (Select one answer for each)</p> <p>5a) Emergency Communication Plan Yes No DNK Refused</p> <p>5b) Designated meeting place, in case your home and/or neighborhood is inaccessible Yes No DNK Refused</p> <p>5c) Copies of important documents in a safe place Yes No DNK Refused</p> <p>5d) Written contact information for medical providers Yes No DNK Refused</p> <p>5e) Multiple routes away from your home in case you evacuate Yes No DNK Refused</p>					
<p>6. How your household currently have (Select one answer for each)</p> <p>6a) Enough drinking water (besides tap water) for 5 days (1 gallon per person per day) Yes No DNK Refused</p> <p>6b) Enough non-perishable food (e.g., protein bars, etc.) for 5 days Yes No DNK Refused</p> <p>6c) A 5-day supply of medication for each person who takes prescription medication Yes No DNK Refused</p> <p>6d) A way to cook food (gas or charcoal grill) if you had no utilities Yes No DNK Refused</p> <p>6e) If you do you have a 5-day supply of generator for the grill? Yes No DNK Refused</p> <p>6f) A working generator Yes No DNK Refused</p> <p>6g) If you do you have a 5-day supply of fuel for the generator? Yes No DNK Refused</p> <p>6h) A working smoke detector Yes No DNK Refused</p> <p>6i) A working fire extinguisher Yes No DNK Refused</p> <p>6j) A backup heating source (i.e. fireplace, propane heater, etc.) Yes No DNK Refused</p> <p>6k) If you do you have a 5-day supply of fuel for that? Yes No DNK Refused</p> <p>6l) A complete first-aid kit Yes No DNK Refused</p>					
<p>7. If your household does not have a 5-day supply of food, water, and medications, what is your greatest barrier to having these supplies? (Select one answer)</p> <p>Lack of Storage Cost of Supplies Did not know it was important Do Not Know Refused</p>					
<p>8. What do you feel are the three public health emergencies most likely to impact your household? (Select all that apply)</p> <p>Food Chemical spill / Hazardous Material Incident Biological Terrorism Forest or Brush Fire Hurricane or Tropical Storm Tornado Other (specify) _____ Do Not Know Refused</p>					
<p>9. How confident are you in your ability to evacuate your home in case of an emergency? (Select one answer)</p> <p>A) Well Prepared B) Somewhat Prepared C) Not at all Prepared D) Do Not Know E) Refused</p>					
<p>10. Do you have pets or other animals that live with you? (If no, skip)</p> <p>A) Yes B) No C) DNK Refused</p>					
<p>11. If answered Yes, what types of pets or other animals live with you? (Select all that apply)</p> <p>Dogs (e.g., dogs, cats) Rabbits (e.g., horses, cattle, goats) Other (specify) _____</p>					
<p>12. In an emergency, if your household were asked to evacuate, what would you do with your pet/animals? (Select one answer)</p> <p>A) Leave them with you B) Leave them at home C) Find a safe place for them with food and water D) Would not evacuate because of them E) Do Not Know F) Refused G) Other (specify) _____</p>					
<p>13. If your household were asked to evacuate, what would you do? (Select all that apply)</p> <p>A) Household would evacuate (if yes, skip to question 24) Yes No DNK Refused</p> <p>B) Might not evacuate, but try Yes No DNK Refused</p> <p>C) Evacuate if possible, but not sure Yes No DNK Refused</p> <p>D) Stay at home if possible Yes No DNK Refused</p> <p>E) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>F) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>G) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>H) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>I) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>J) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>K) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>L) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>M) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>N) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>O) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>P) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>Q) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>R) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>S) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>T) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>U) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>V) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>W) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>X) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>Y) Stay at home if possible, but not sure Yes No DNK Refused</p> <p>Z) Stay at home if possible, but not sure Yes No DNK Refused</p>					
<p>14. If you choose to evacuate, where would you go or stay until you could return home? (Select all that apply, one primary option (designate "1" and one secondary option (designate "2"))</p> <p>Stay with family or friends out of town Go to a public disaster shelter Sleep in a car or outdoors</p> <p>Stay in a hotel or motel Do not know where Refused</p>					
<p>15. In an emergency, which of the following modes of communication would you use to communicate with friends and family? (Select all that apply)</p> <p>Phone (land line) Cellular (cell) Phone Tablet (i.e. iPad) Email</p> <p>Social Media (i.e. Facebook/Twitter) Other (specify) _____</p>					
<p>16. In an emergency, what would be your source of information? (Select all that apply)</p> <p>Television Radio Internet (including Social Media)</p> <p>Social Media Print Media Church</p> <p>Text Message Neighborhood/Family/Friends None of these</p> <p>Other (specify) _____</p>					
<p>17. Do you consider your community to be diverse? (If answered Yes or No) What makes you feel that way?</p> <p>A) Yes B) No C) DNK Refused</p>					
<p>18. Before today, have you or others in your household ever visited the Clark County Public Health website? (Select one answer)</p> <p>Yes No DNK Refused</p>					
<p>19. Before today, have you or others in your household ever contact with or used services/programs from Clark County Public Health? (If answered Yes) Describe the information you were seeking or the services you used.</p> <p>Yes No DNK Refused</p>					
<p>20. Before today, have you or others in your household ever followed Clark County Public Health social media? (Select one answer)</p> <p>Yes No DNK Refused</p>					
<p>21. In the future, are you or others in your household likely to visit the Clark County Public Health website for the following types of information? (Select one answer)</p> <p>A) Flood recovery Yes No DNK Refused</p> <p>B) Disease prevention Yes No DNK Refused</p> <p>C) Information on mosquito-borne diseases Yes No DNK Refused</p>					



Questions?

Jessica Rapp
 Public Health Preparedness Epidemiology Support Staff
 Quad-County Public Health Preparedness
 775-283-7536
 jrapp@carson.org



Jeanne Freeman
 Public Health Preparedness Manager
 Quad-County Public Health Preparedness
 775-283-7217
 jmfreeman@carson.org

Community Assessment for Public Health Emergency Response (CASPER) Questions

General Information

1. Is this your primary residence (Douglas CO only)
2. How many people live in your household
3. How many people living in your household are:
 - a. Less than 2 years old
 - b. 2-17 years old
 - c. 18-64 years old
 - d. More than 65 years old
4. How many people in your household are:
 - a. Female?
 - b. Male?
5. Is English the preferred language in your household?
 - a. If NO, what is your households preferred language

Vulnerable Populations

6. Do you or anyone in your household have difficulty hearing?
7. Do you or anyone in your household have difficulty seeing even when wearing glasses?
8. Do you or anyone in your household have difficulty walking or climbing stairs?
9. Do you or anyone in your household have difficulty dressing or bathing?
10. Have you or anyone in your household ever been told by a healthcare professional that he/she has:
 - a. Asthma/COPD/Emphysema
 - b. Diabetes
 - c. Developmental disability
 - d. Hypertension/ Heart disease
 - e. Immunosuppressed
 - f. Physical disability
 - g. Psychosocial/ mental illness
11. Do you or anyone in your household need:
 - a. Daily medication (besides birth control or vitamins)
 - b. Dialysis
 - c. Home health care
 - d. Oxygen Supply
 - e. Wheelchair/ cane/ walker
 - f. Other type of special care

Emergency Preparedness

12. How prepared do you feel your household is to handle a public health emergency?
 - a. Well Prepared
 - b. Somewhat prepared
 - c. Not at all prepared
 - d. Do not know
 - e. Refused
13. Does your household have:
 - a. A designated meeting place immediately outside your home or close by in your neighborhood
 - b. A designated meeting place outside of your neighborhood in case you cannot return home
 - c. Copies of important documents in a safe location (e.g., water proof container)
 - d. Multiple routes away from your home in case evacuation is necessary
14. Has your household prepared an emergency supply kit with supplies like food, water, flashlights, and extra batteries that is kept in a designated place inside your home?
15. Has your household prepared a first aid kit with emergency supplies to take with you if you had to leave quickly?
16. Does your household have adequate drinking water (besides tap) for the next 3 days? (1 gallon/person/day)
17. Does your household have adequate non-perishable food for the next 3 days?
18. Does your household currently have a 7-day supply of medication for each person who takes a prescribed medication?
19. If public authorities announced a mandatory evacuation from your community due to a large-scale disaster/emergency would your household evacuate?
20. What would be the main reason that might prevent you from evacuating if asked to do so?
 - a. Lack of transportation
 - b. Concern about leaving property
 - c. Concern about personal safety
 - d. Concern about traffic jams
 - e. Health problems
 - f. Lack of trust in public officials
 - g. Nowhere to go
 - h. Concern about leaving pets
 - i. Inconvenient/expensive
21. If your household had to evacuate due to a large scale disaster or emergency, where would you go?
 - a. Friends/Family/ 2nd home outside your area
 - b. Hotel or motel
 - c. American red cross, church, or community shelter
 - d. Would not evacuate
 - e. Other: _____

22. Do you have any pets?
- a. If YES in an emergency, if your household was asked to evacuate, what would you do with your pets?
 - i. Take with you
 - ii. Find a safe place for them
 - iii. Leave behind with food and water
 - iv. Would not evacuate because of pets
 - v. Would not evacuate
23. Does your household have:
- a. a working carbon monoxide detector
 - b. a working smoke detector
 - c. a way to cook food if you did not have utilities (gas or charcoal grill)
 - i. if YES: Do you have a 5 day supply of charcoal or gas for the grill
 - d. A working generator
 - i. If YES: Do you have a 5- day supply of fuel for the generator
 - e. A working fire extinguisher
 - f. A back up heating source (i.e. fireplace, kerosene heater, etc.)
 - i. If YES: Do you have a 5-Day supply of fuel for that item
 - g. A complete first aid kit

Prevention

24. Are you and your household up to date on vaccines?
25. Do you or anyone in your household receive an annual flu shot?

Communication

26. In an emergency, what would be your main source of information?
- a. TV
 - b. Radio
 - c. Text message
 - d. Automated call
 - e. Local newspaper
 - f. Neighbor/friend/family/word of mouth
 - g. Poster/flyer
 - h. Church or other groups
 - i. Internet
 - j. Other_____

27. In an emergency, which of the following modes of communication would you use to communicate with family and friends?
- a. Land Line
 - b. Cellular phone
 - c. Tablet
 - d. E-Mail
 - e. Social media
 - f. Other: _____
28. Are you aware of any materials to better prepare you and your household for a disaster or emergency?
- a. If YES, were the materials helpful?
 - b. If YES, where did you learn of the information/materials
 - i. TV
 - ii. Radio
 - iii. Internet, site: _____
 - iv. Poster/flyer
 - v. Newspaper
 - vi. Event
 - vii. Other: _____