



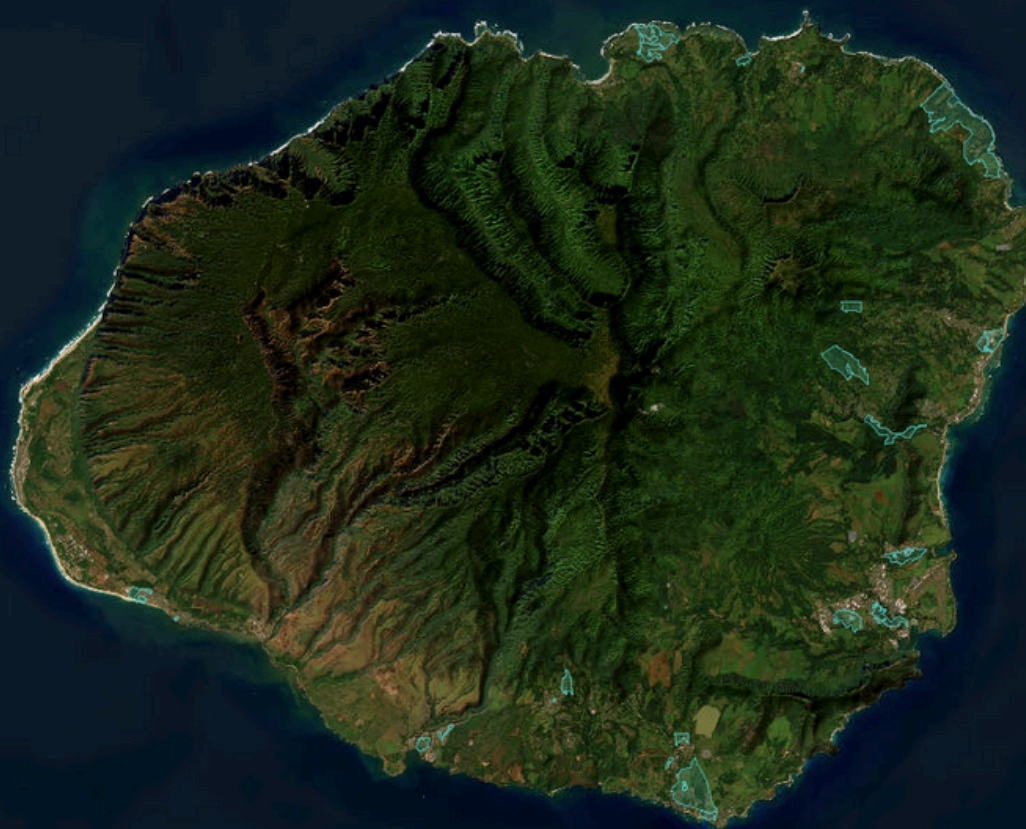
KAUA'I 2024 CASPER

FINAL REPORT



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INTRODUCTION

Background

A community assessment for public health emergency response (CASPER) survey was conducted on Kaua'i in June 2024 by the Hawai'i State Department of Health's (HDOH) Kaua'i District Health Office. CASPER is a validated two-stage cluster sampling methodology developed by the Centers for Disease Control and Prevention (CDC) to rapidly obtain information about the health and resource needs of a community. Information obtained is generalizable to the entire sampling frame, providing population-based estimates. This methodology is designed to be inexpensive, quick, and scalable, making it ideal for use in disasters.

CASPERs can also be used to establish baseline preparedness levels and build capacity to conduct CASPERs after a disaster. The Kaua'i District Health Office (KDHO) conducted CASPERs annually from 2017 - 2023 (excluding 2021) to monitor trends in the emergency preparedness of island residents. Several of these CASPERs also included disaster components such as evaluating impacts from a major flood event as well as the COVID-19 pandemic. Through these efforts, over 100 HDOH staff and community volunteers were trained in this rapid health needs assessment methodology. In 2024, the Kaua'i CASPER was supported by a half dozen O'ahu staff members who flew over to assist with implementation, surveying, and analysis with the goal of building this capability statewide.

Objectives

Typically, Kaua'i CASPERs have included questions on emergency supplies and evacuation plans. However, since statistically significant changes were not observed on an annual basis, beginning in 2024 evacuation plan questions will be asked in even years and emergency supply questions in odd years.

Kaua'i's 2024 CASPER included an assessment of:

1. Emergency and evacuation plans
2. Concern over climate change impacts
3. Infectious disease awareness and concerns
4. General life on Kaua'i



METHODS

CASPER Sampling Methodology

CASPER is a two-stage cluster sampling methodology. The first stage, cluster selection, begins with the determination of a sampling frame, or the area from which the sample is selected and to which the data is generalized. Once the sampling frame is determined, thirty census blocks (termed "clusters") are randomly selected. The probability of a census block being selected is proportional to the number of housing units located within it.

The second stage of sampling, household selection, is typically completed by survey teams in the field. This stage involves systematic selection of seven households per cluster. Homes are selected by dividing the total number of housing units (occupied or total, depending on the sampling frame) in the cluster by seven (the target number of surveys per cluster) to determine each cluster's sequence number ("n"). Survey teams then attempt to interview every "nth" house, with an ultimate target of 210 surveys (30 clusters x 7 surveys per cluster).

2024 Kaua'i CASPER Methodology

Cluster and Household Selection

The sampling frame for this assessment consisted of occupied housing units on the island of Kaua'i. The 2020 census block data was used to select 30 clusters via random number generation. Kaua'i has a total of 1,344 census blocks, 30,157 housing units, 24,712 occupied housing units, and a population of approximately 73,000 (Figure 1). As a major tourist destination, many housing units are not occupied by residents and are classified as "vacant" in census data. To better capture data representative of Kaua'i residents, cluster selection used occupied housing units rather than total housing units to reduce the likelihood of selecting clusters with primarily short-term vacation rentals, which aren't eligible for survey completion.



Figure 1. Satellite imagery of all census blocks on Kaua'i.

Census data, including census block GIS shape files, total population, total housing units, and occupied housing units (all per census block) were downloaded via the United States Census webpage. Using a random number generator between 1 and 24,712 (the total occupied households on the island), thirty households were selected, and corresponding census blocks were chosen as survey clusters. Selected cluster shapefiles were layered over satellite images using ArcGIS (Figure 2).



Figure 2. Satellite imagery of census blocks randomly selected for 2024 survey participation.

To save survey teams time in the field, survey planners utilized satellite imagery and County of Kaua'i Real Property tax map data to pre-select households for participation. Starting points were chosen using random number generation after assigning numbers to households in a given cluster. Researchers used these points, along with Kaua'i County tax parcel shapefiles, to enumerate housing units within each cluster. Counting sequences were calculated by dividing the number of census-block specific occupied housing units by seven (referred to as "n").

Survey planners continued through each cluster in a serpentine manner until seven participant households and five potential replacement households were selected. Survey teams were provided with maps of each cluster, seven primary households and at least five potential replacement households to use if conditions for replacement were met. This methodology saved time in the field, ensured adherence to systematic household selection process, and improved efforts to include additional dwelling units (known as 'ohana units) that are typically hidden from street view and often missed during field enumeration processes.

Questionnaire

The 2024 Kaua'i CASPER questionnaire was developed by the Kaua'i District Health Office's Epidemiologist and Deputy District Health Officer, with input from the District Health Officer, KDHO program leads, the Hazard Evaluation & Emergency Response Office, and prior-year CASPER survey team feedback. Forms were not translated into other languages, but survey teams were instructed on how to request interpreter services. To streamline data collection, surveys were collected in the field on tablets using the EpiCollect5 application, while households could follow along on a paper copy of the survey. (See Appendix B)

Training and Survey Teams

Survey teams were comprised of Department of Health staff from Kaua'i and O'ahu, with support from Kaua'i Medical Reserve Corps volunteers. All survey team members attended mandatory training prior to survey deployment and received just-in-time training when picking up their survey team supplies.

Teams were briefed on common safety and security issues and were provided with an interview tip sheet for quick reference in the field (Appendix H). Teams were paired so that each team had at least one member with prior CASPER experience and (as feasible) familiarity with the assigned cluster area.



Figure 3. CASPER 2024 survey team photo.

While surveying, teams drove vehicles with clearly visible state decals, wore green vests identifying them as members of the "Department of Health Survey Team", and had visible state-issued ID badges.

Community Notification

Numerous methods were utilized to notify the public of the 2024 CASPER survey, including an HDOH press release, radio advertisements, and County of Kaua'i social media postings. Notifications began two weeks prior to deployment to provide ample community notice. All communication emphasized the option for selected households to participate in a physically distanced outdoor interview or to complete the survey over the phone.

Survey Implementation

From June 3-7, a total of 32 survey teams conducted door-to-door surveys in the thirty randomly selected clusters. Teams were given a detailed map and list of the systematically selected households, a verbal informed consent script, a cluster-specific tracking sheet, referral forms, extra paper-based questionnaire forms, a copy of the press release describing the survey's objectives, and a tablet to collect electronic data. Copies of all documents were available for household distribution upon request and are provided in Appendices B-E. To be eligible to participate, respondents had to provide verbal consent, reside on the island at least six months per year, and be 18 or over.

Survey teams knocked on doors at selected households and offered those who were interested in participating the choice to complete the survey in a physically distanced outdoor interview or over the phone. Each survey team was assigned a burner phone to complete surveys from the car, if preferred, after obtaining verbal consent from the household.

When selected households were not at home, survey teams left letters with instructions to call the survey team back to conduct their interview via phone, coordinate a good time for an in-person interview, or to decline to participate (Appendix E).

Participating households were provided drawstring backpacks with a list of important items to keep in their emergency kits, hand crank emergency radios, a kitchen magnet with list of emergency kit supplies, waterproof bags for storage of important documents, and educational materials on: measles, updated respiratory guidance, Kaua'i mental health resources, health-related impacts of climate change, Kaua'i tsunami evacuation zones, and a

flyer on free medical clinics in June referred to as “Tropic Care” (See Appendix J). Participating households were asked if they had needs that KDHO could help with and referrals were made for those that requested them. Households that declined to participate in the survey still received the waterproof bags for important document storage and all educational materials.



Figure 4. Survey team supplies.

Data Entry and Analysis

Survey data were collected electronically via tablets using the EpiCollect5 application. Entries were uploaded upon return to the operations center. The data cleaning and analysis were done using SAS 9.4 (SAS Institute Inc., Cary, NC, USA). During analysis, each completed interview was assigned a weight based on the number of surveys completed in the corresponding cluster. Weighting each interview ensures the data is representative of the entire sampling frame, and results can be generalized to the island of Kaua’i.

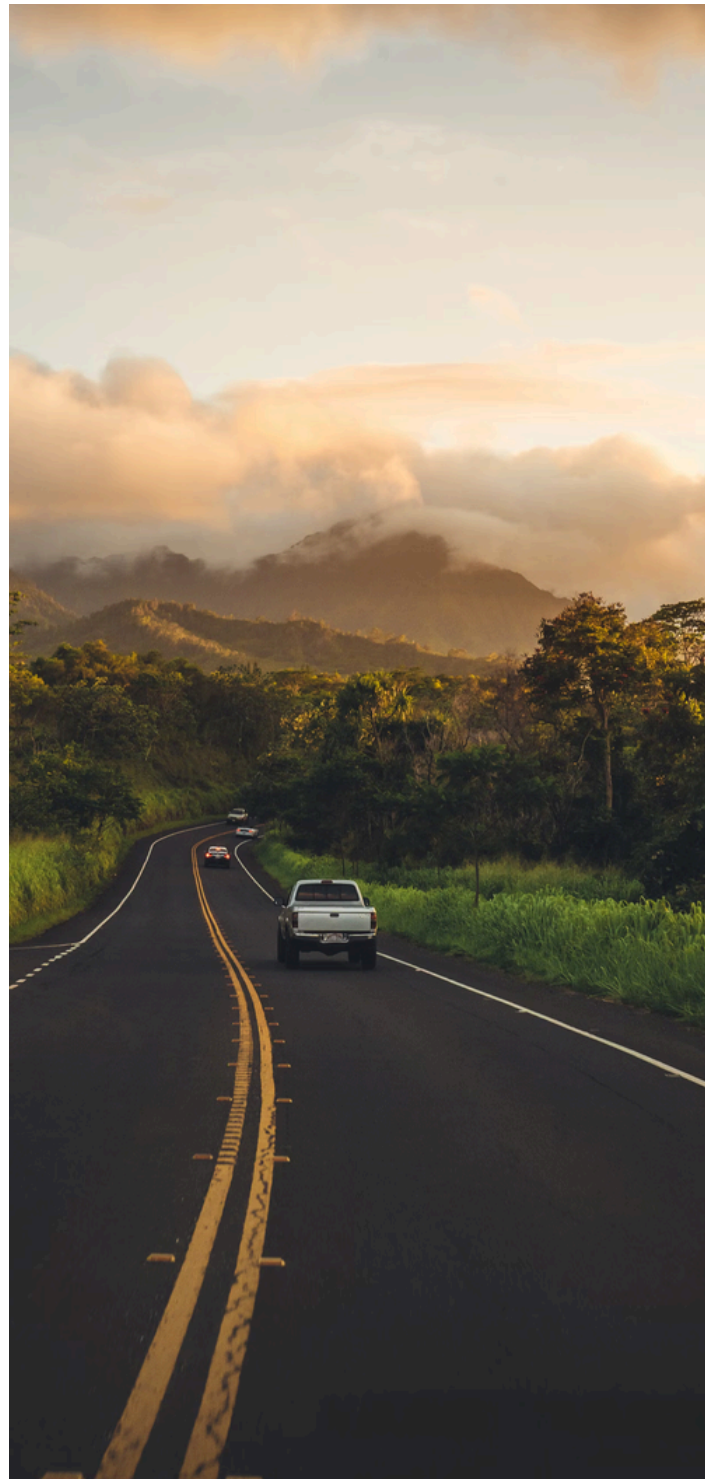
$$\text{Weight} = \frac{\text{Total \# of HHs in sampling frame}}{(\# \text{ of HHs surveyed in cluster}) \times (\# \text{ of clusters selected})}$$

```

title "Does your HH own or rent this residence?";
proc surveyfreq data=CASPER_DATASET;
  tables OWN_RENT / cl;
  cluster CLUSTERNUMBER;
  weight WEIGHT;
run;

```

Figure 5. Sample SAS code to generate the frequency, weighted estimate, weighted percent, and 95% confidence intervals.



RESULTS

In the 30 clusters, survey teams attempted to contact 380 households, spoke with a resident at 213 households, and ultimately completed a total of 177 interviews. Response rates are shown in Table 1, which includes response rates from 2017 - 2024 CASPERs.

Translation services were available to teams by request. In 2024, this service was used for one household. Operations was able to support the in-person interview team with an interpreter via phone to complete the survey in the household's primary language. Five total referral forms were completed during the 2024 Kaua'i CASPER to link residents to a needed service.

Survey results are grouped by subject and summarized in data figures and tables on the following pages. Weighted analysis with 95% confidence intervals are provided for cells with ≥ 5 observations in accordance with CDC CASPER results guidance. Where possible, this report analyzes changes over time for questions that were assessed in the same way year-over-year. Data from 2018 has been excluded due to loss of raw data.

The confidence interval (CI) offers a range based on sample data within which we are reasonably confident that the true population parameter lies, given the confidence level (95%). The range of the CI gives you an idea about the precision of the estimate. A narrower interval suggests a more precise estimate of the population parameter, while a wider interval suggests less precision. In the following tables and figures, weighted percentages that do not have overlapping CI are considered statistically different from each other. Confidence intervals are shown as error bars in the figures. The asterisk (*) is used to represent a comparative statistically significant result between years (where $p < 0.05$).

Basic Household Information

The first section of the survey assessed basic household information. In 2024, the mean and median household size was 2.73 (95% CI [2.43, 3.03]) and 1.77 (95% CI [1.68, 1.86]), respectively. Surveyors asked how many members of each age group resided in their household. Between 2023 and 2024, a statistically significant decline in percentage of households with children under the age of two was observed. However, it was generally in alignment with what was observed from 2017-2022 (Figure 6).*

Table 1. Calculated response rates for all Kaua'i CASPERs (2017 - 2024).

Response Rates		2024	2023	2022	2020	2019	2018	2017
Completed Surveys		177	180	176	189	186	190	186
Completion Rate	Represents percent of target # of surveys collected (completed surveys / target surveys)	84.3% (210)	85.7% (210)	83.8% (210)	90.0% (210)	88.6% (210)	90.5% (210)	88.6% (210)
Cooperation Rate	Represents the willingness of the community to participate (completed surveys / total contacted eligible households)	83.1% (213)	77.6% (232)	77.2% (228)	89.2% (212)	78.5% (267)	63.1% (301)	71.8% (259)
Contact Rate	Represents the proportion of households where contact was attempted and interview completed (completed surveys / total attempted households)	46.6% (380)	45.9% (392)	52.1% (338)	69.7% (271)	55.9% (333)	46.0% (413)	48.6% (383)

*Comparative statistical significance

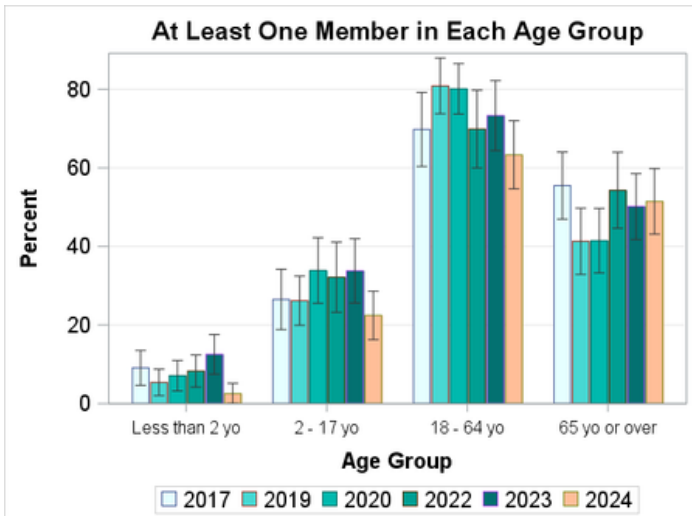


Figure 6. Percent of Kaua'i households with a household member(s) in each age group.

Next, surveyors asked households if they owned or rented their residence (Figure 7). Seventy-five percent of households owned their residence, while 24% rented. For survey years from 2017 to 2024, there has been no statistically significant change observed in the percent of households that own versus rent their residence.

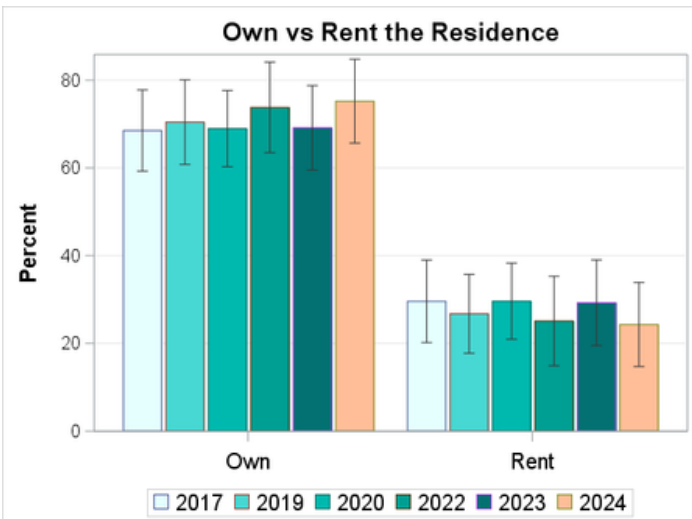


Figure 7. Percent of Kaua'i households who own versus rent their residence.

Three percent of households have an adult in the residence who does not speak English. The percent of households with at least one member who does not speak English has remained steady across survey years (Figure 8). Among households with adults who do not speak English, the reported languages in 2024 included Ilocano, Spanish, Japanese, and Yapese.

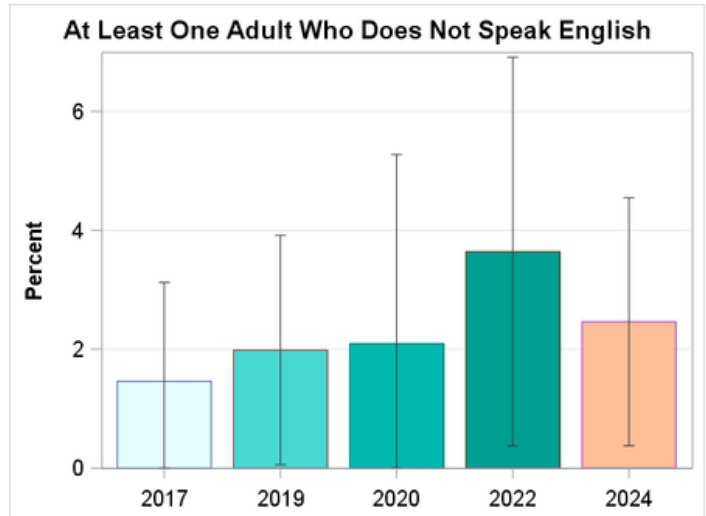


Figure 8. Percent of Kaua'i households with at least one adult who does not speak English.

Emergency and Evacuation Plans

The next section of the survey focused on household emergency and evacuation plans. Seventy-seven percent of households had a communication plan, such as a list of phone numbers and a designated out-of-town contact (Figure 9). Half of households, 51%, had a designated meeting place immediately outside their home or close by in their neighborhood, and 78% of households had copies of important documents in a safe location, such as a waterproof bag. No statistically significant changes were observed from 2017-2024 in the percent of households with each type of emergency plan.

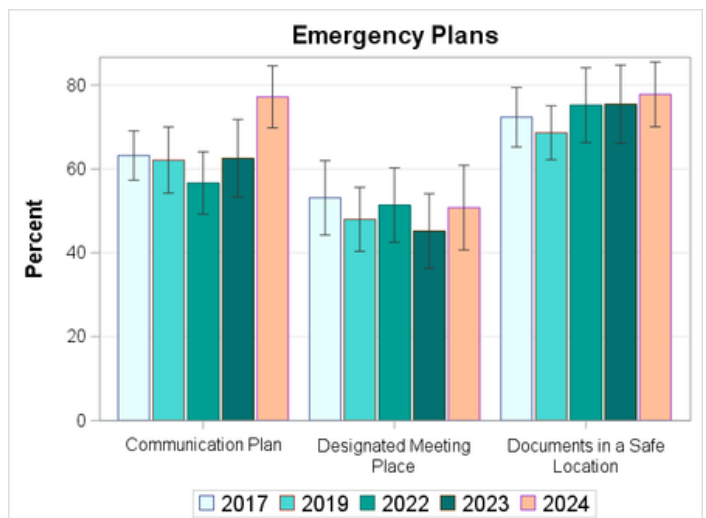


Figure 9. Percent of Kaua'i households with recommended emergency plans.

From 2017 to 2024, the percent of Kaua'i households aware of the State of Hawaii's recommendation for all households to maintain a 14-day supply of food, water, and prescription medication increased from 38% to 82% (Figure 10).*

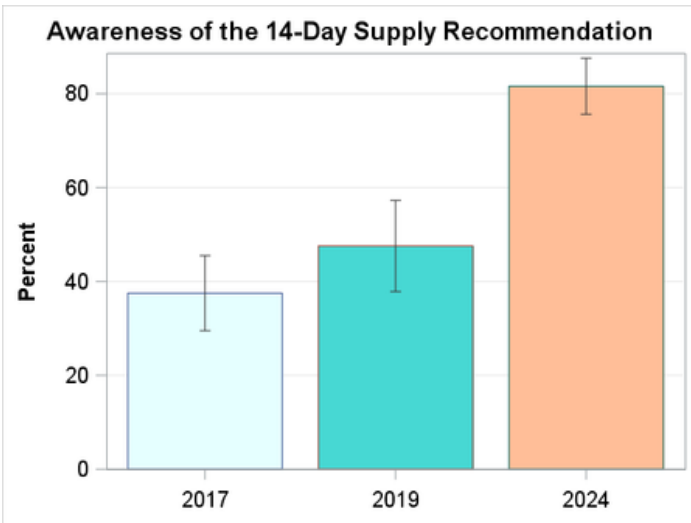


Figure 10. Percent of Kaua'i households that are aware that the State of Hawaii recommends a 14-day supply of food, water, and prescription medication.

In 2024, 8% of households have at least one member who is dependent on medical equipment that requires electricity (Figure 11). Of those, 38% have a backup power supply in the event of a power outage (Table 4).

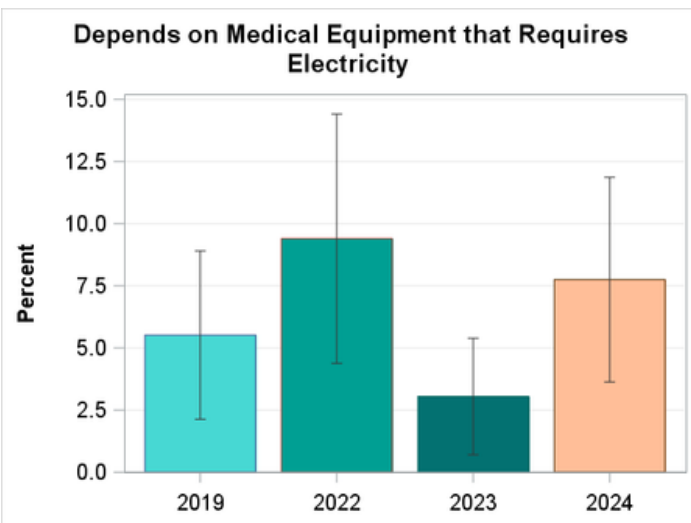


Figure 11. Percent of Kaua'i households with at least one household member who is dependent on medical equipment that runs on electricity.

Four out of five Kaua'i households responded they were familiar with the tsunami evacuation zones island-wide. This question was first asked in 2022 and has not changed significantly since (Figure 12).

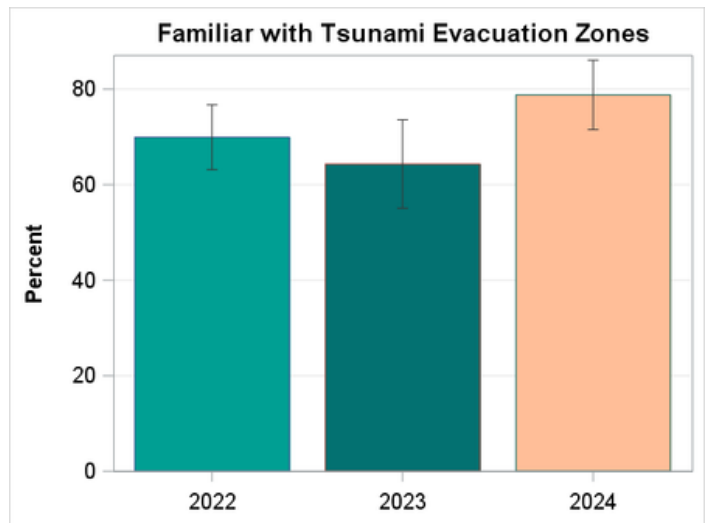


Figure 12. Percent of Kaua'i households familiar with tsunami evacuation zones.

On Kaua'i, 82% of households reported having signed up to receive weather and other disaster-related alerts (Figure 13) compared to 65% of households in 2017. Minor fluctuations observed from 2017-2024 have not been statistically significant.

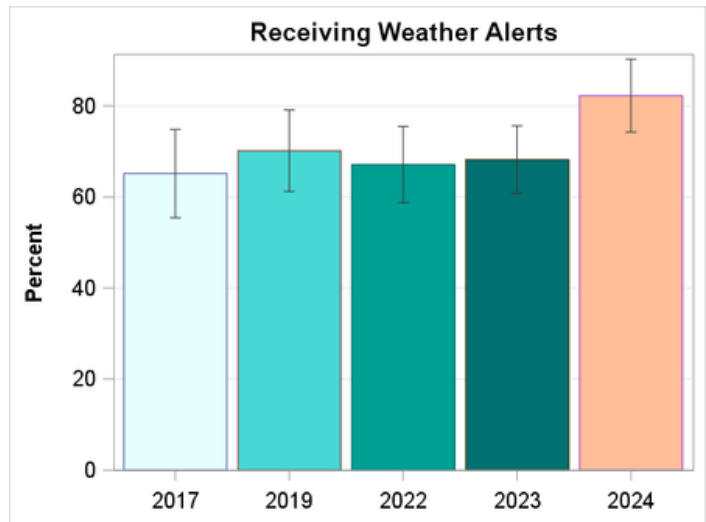


Figure 13. Percent of Kaua'i households who are signed up to receive weather and other disaster-related alerts.

Each year, Kaua'i households were asked about their familiarity with the Kaua'i Emergency Management Agency's website Kaua'i.gov/KEMA where they can access materials to better prepare for emergencies. In 2020, a statistically significant increase was observed likely due to KEMA's critical role in communicating local information related to the pandemic.* Some of this increased awareness was lost by 2022. In 2024, 58% of Kaua'i households were familiar with KEMA's website and this has remained steady over the last few years (Figure 14).

*Comparative statistical significance

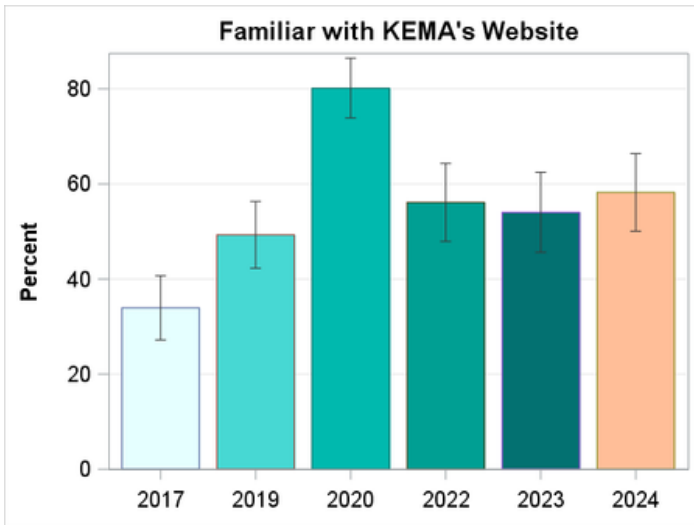


Figure 14. Percent of Kauai households that are familiar with the Kauai Emergency Management Agency's website.

Hurricanes are divided by severity into "categories" based on a hurricane's maximum sustained wind speed alone (Table 2). In order to better understand household plans for hurricane sheltering, beginning in 2019, Kauai households were asked about their shelter plans for each category of hurricane. In 2024, the percent of households willing to shelter in place (at home) decreased with the increasing category, or severity, of storm (Figure 15).

Table 2. Saffir-Simpson Hurricane Wind Scale

Hurricane Category	Wind Speed (mph)
Category 1	74 - 95
Category 2	96 - 110
Category 3	111 - 129
Category 4	130 - 156
Category 5	157+

While only 7% of households would seek public shelter for a Category 1 hurricane, significantly more households would seek public shelter for a Category 3 (25%), Category 4 (28%), and Category 5 (30%) hurricane (Figure 16).

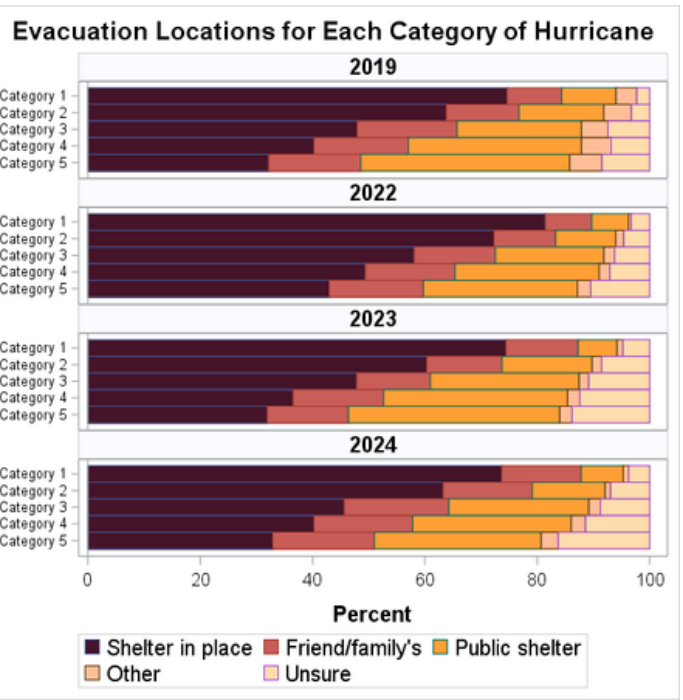


Figure 15. Percent of Kauai households that would shelter in place, at a friend/family home, at a public shelter, or other for each category of hurricane.

Public Shelter Evacuation at Each Category of Hurricane

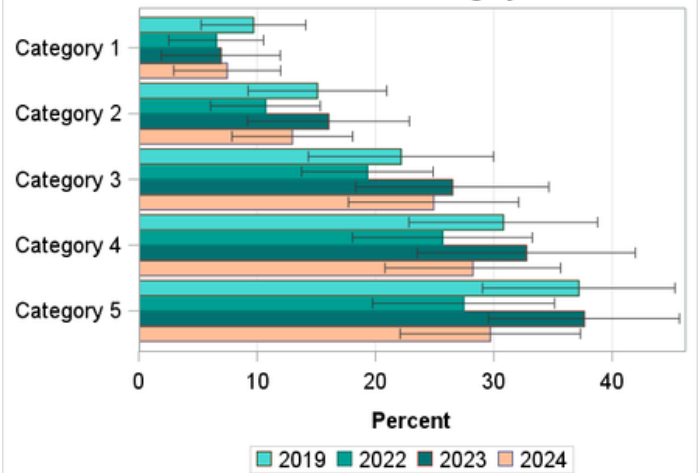


Figure 16. Percent of Kauai households that would seek public shelter in each category of hurricane.

Sixty-two percent of households indicated that they face no barriers to emergency evacuation if advised to do so by county officials. Among households that reported barriers, the most commonly reported included: concern about leaving pets (19%), health/mobility issues (5%), and uncertainty about where to go (3%). In 2024, there was a significant increase in the percent of households that were concerned about leaving pets in the event of an evacuation advisory when compared to 2022.*

*Comparative statistical significance

On the other hand, there was a significant decrease in the percent of households that were uncertain about where to go between 2024 (3%) and 2022 (11%) (Figure 17).*

Five percent of households identified a barrier other than those enumerated in the questionnaire, with most voicing concerns over traffic and/or road blockages due to infrastructure failure(s).

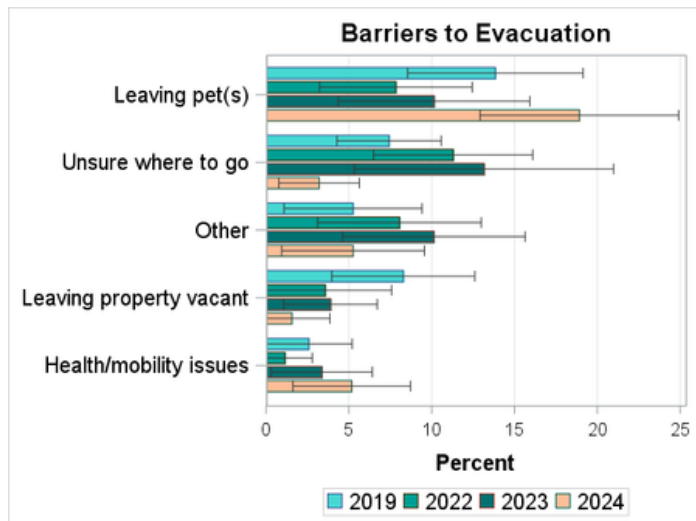


Figure 17. Primary barriers to emergency evacuation of households that identified a barrier.

The majority of households responded they had an operational fire extinguisher (77%) and smoke detectors (86%) respectively (Figure 18).

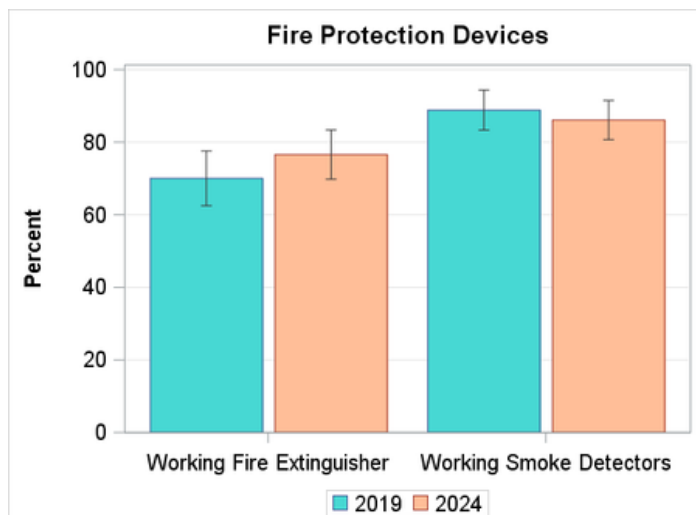


Figure 18. Percent of Kaua'i households with a working fire extinguisher and working smoke detectors, respectively.

Households were asked if they had to evacuate their home by car for an emergency, how many different routes they could take to leave their neighborhood. Sixty-two percent of households identified more than one route, while 38% of households have only one route to leave their neighborhood by car (Figure 19).

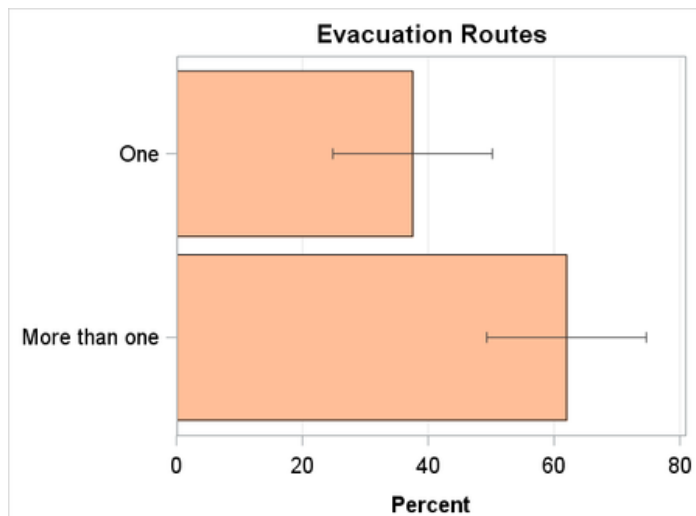


Figure 19. Percent of Kaua'i households with one or more than one ways to evacuate their neighborhood by car in an emergency.

Three out of five (60%) of households have taken measures to protect their home from wildfires, such as clearing brush, cleaning gutters, and/or keeping plants at least 5 feet away from their home (Figure 20). The remaining households have not taken measures to protect their home from wildfires.

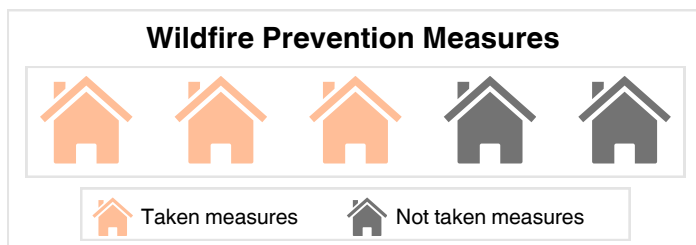


Figure 20. Percent of Kaua'i households who have taken measures to protect their home from wildfires.

Climate Change

Islands are particularly vulnerable to the impacts of climate change due to their remoteness, sensitive ecosystems, and high ratio of residents living along coastlines compared to other communities. Due to this increased vulnerability, the next section of the questionnaire asked households about their level of concern for various impacts of climate change on their community.

*Comparative statistical significance

Half of households were at least somewhat concerned about the climate change impacts related to extreme heat (51%), water quality (56%), severe weather and flooding (58%), and wildfires and drought (50%) on their community.

However, households were significantly more likely to be unconcerned about these impacts than they were to be very concerned (Figure 21).

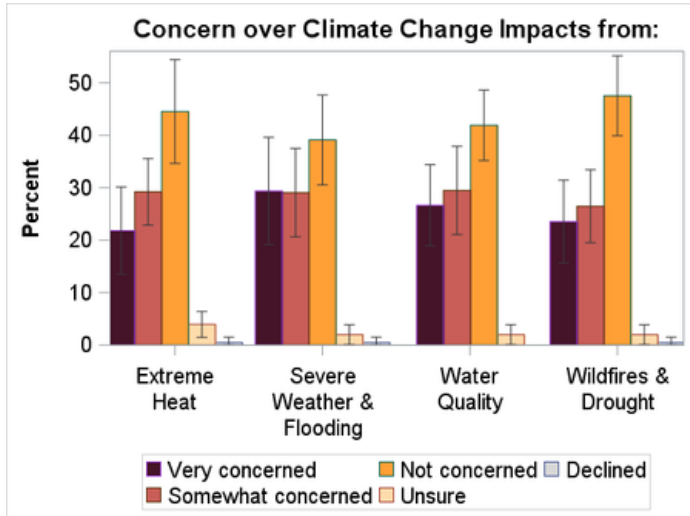


Figure 21. Percent of Kaua'i households with various levels of concern about different impacts from climate change.

Following concerns over specific climate change impacts, households were asked whether any members had experienced eco-anxiety or mental health impacts related to climate change. Fourteen percent of households reported having at least one member who had experienced eco-anxiety while the vast majority (84%) did not (Figure 22).



Figure 22. Percent of Kaua'i households aware of the Tropic Care Clinics from June 13th - 20th.

Surveyors asked households how often they discussed climate change (Figure 23). Almost half of households (48%) discuss climate change at least once a month, with 10% discussing it daily, 19% weekly, and 19% monthly. About 38% of households rarely discuss climate change.

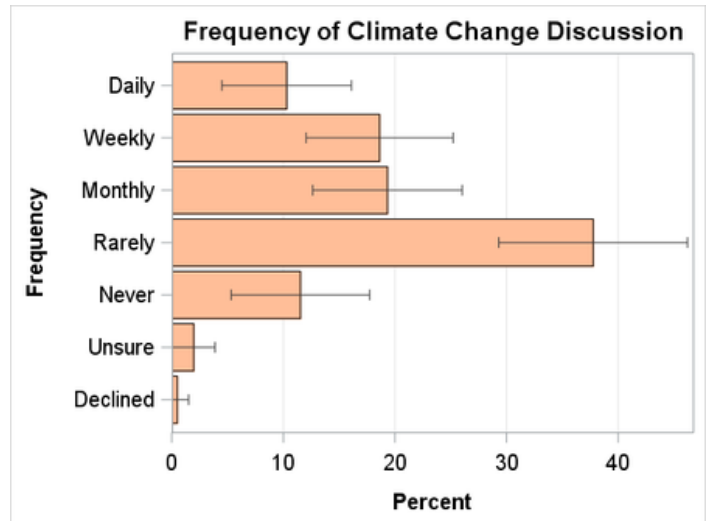


Figure 23. Percent of Kaua'i households with varying frequencies of climate change discussion.

Infectious Disease

The 2024 CASPER assessed Kaua'i households' awareness of infectious diseases such as measles and respiratory viruses including COVID-19. During the 2019 US mainland measles outbreak, households on Kaua'i were asked about their awareness and level of concern regarding measles. With the current measles outbreak on the mainland, households were asked again about their awareness and concern level about the current outbreak.

Fifty-one percent (51%) of households said they are aware of the current measles outbreak on the mainland, compared to 81% in 2019 (Figure 24).*

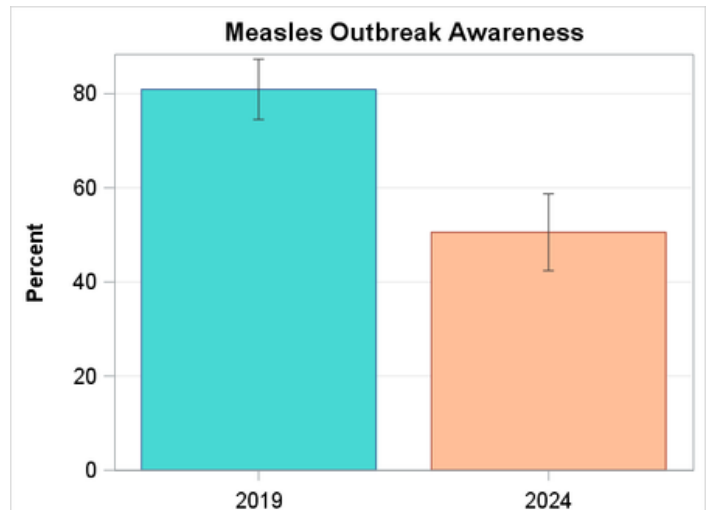


Figure 24. Percent of Kaua'i households that are aware of the ongoing measles outbreak in the mainland.

Next, surveyors asked households how concerned they are that the current measles outbreak may impact Kaua'i (Figure 25). Only 16% of households indicated a high level of concern about the outbreak impacting Kaua'i compared to 25% of households surveyed in 2019. Most frequently, households reported being not concerned (41%) about the mainland measles outbreak impacting Kaua'i compared to 35% of households in 2019.

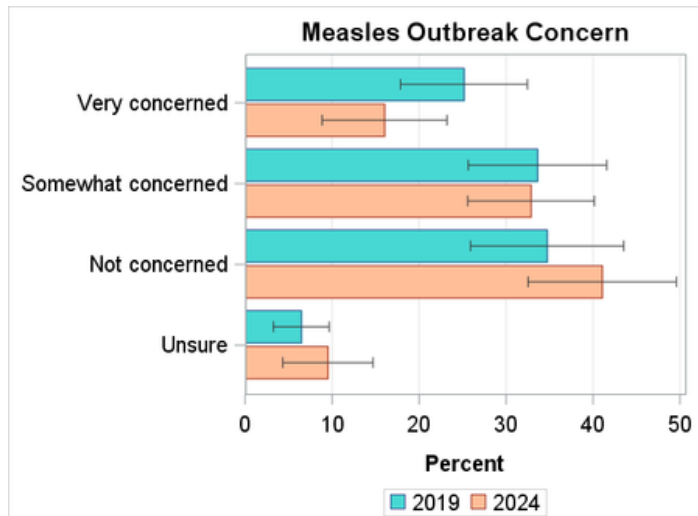


Figure 25. Percent of Kaua'i households concerned that the measles outbreak may impact Kauai.

The majority of Kaua'i households continue to think it is very important (59%) to stay up-to-date on recommended vaccines compared to 73% in 2019 (Figure 26). However, the percentage of households who think it is not important to stay up-to-date on recommended vaccines significantly increased from 5% in 2019 to 14% in 2024.*

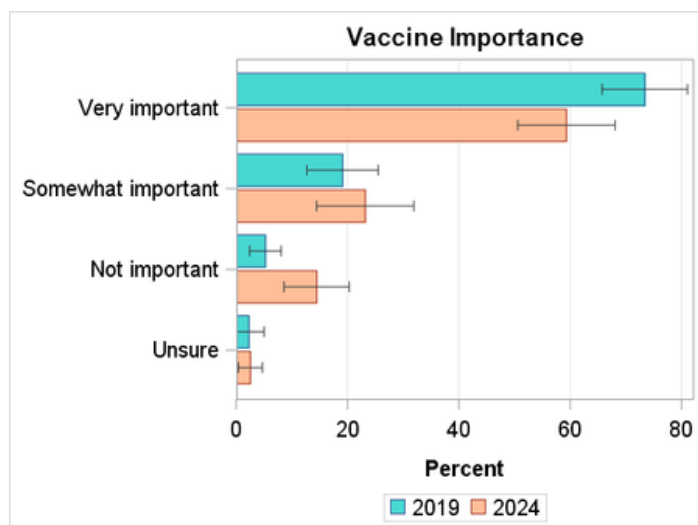


Figure 26. Percent of Kaua'i households that think it is important to stay up-to-date on recommended vaccines.

In the spring of 2024, CDC and HDOH released updated respiratory virus guidance to provide recommendations to people with common viral respiratory illnesses, including COVID-19. Kaua'i households were asked whether they are familiar with the updated guidance (Figure 27). The majority of Kaua'i households (81%) indicated they are aware of the new guidance. Sixteen percent were not aware and 3% of the households were unsure.

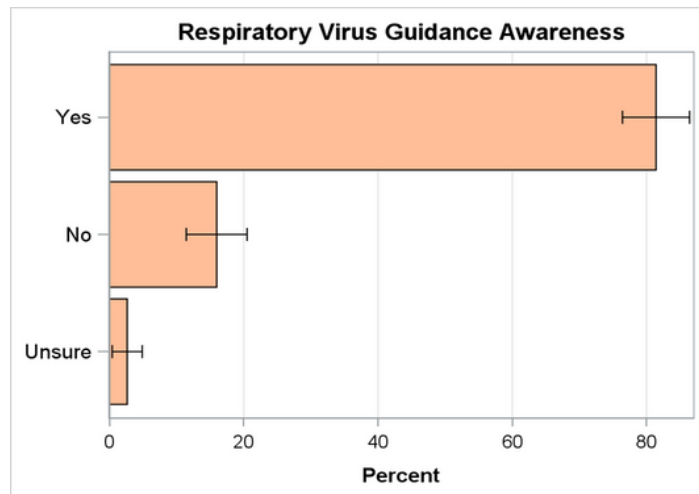


Figure 27. Percent of Kauai households familiar with the updated guidance on the spread of respiratory viruses including COVID-19.

General Life on Kaua'i

The last section of the 2024 CASPER assessed the quality of life of Kaua'i households. They were asked to identify the biggest challenge they face living on the island (Figure 28). Fourteen percent of households identified no challenges to living on Kaua'i. The remaining 85% identified the following primary challenge: housing (22%), traffic (16%), medical care (16%), overall cost of living (9%), food (7%), and employment/salaries (4%). Other common responses included: childcare, education, mental health care, transportation and climate change and/or natural disasters.



Photo from the County of Kaua'i's Department of Parks and Recreation.

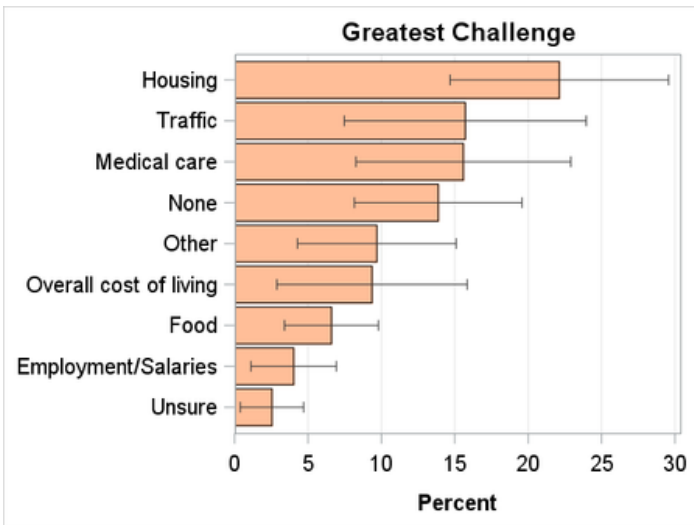


Figure 28. The primary challenges Kaua'i households face living on the island.

Households were asked how concerned they were about their ability to pay the next month's rent or mortgage. Seventy-eight percent of households were not concerned about paying the next month's rent or mortgage, 12% were somewhat concerned, and 8% of households were very concerned (Figure 29). The level of concern in each category did not change significantly from 2023 to 2024.

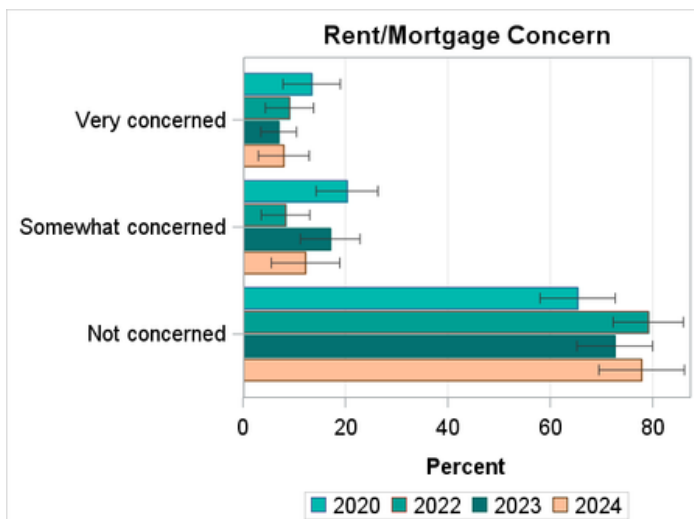


Figure 29. Percent of Kaua'i households concerned about their ability to pay the next month's rent or mortgage.

Households were asked to rank their physical and mental health and well-being on a scale of 1 to 5, with 1 being very poor and 5 being very good (Figure 30). The majority of households (82%) ranked their physical health and well-being as "good" or "very good" with a mean and median of 4.2 (95% CI [4.1, 4.4]) and 3.8 (95% CI [3.5, 4.1]), respectively. Sixteen percent of households ranked their physical health and wellbeing a 3, or "fair".

Similarly, 85% of households ranked their mental health and well-being as "good" or "very good" with a mean and median of 4.4 (95% CI [4.2, 4.5]) and 4.1 (95% CI [3.8, 4.3]), respectively. Thirteen percent of households ranked their mental health and wellbeing as a 3, or "fair".

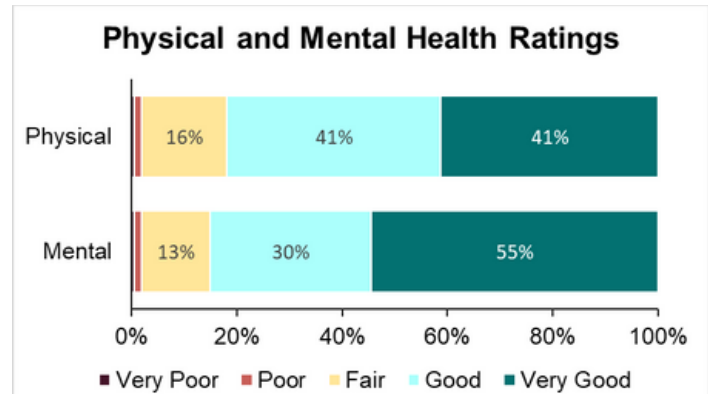


Figure 30. Percent of Kaua'i households with household rating of physical and mental health, respectively, on a scale of 1 to 5, with 1 being very poor and 5 being very good.

The KDHO and the County of Kaua'i are hosting Tropic Care 2024, a medical Innovative Readiness Training Mission which provides free healthcare services including physical exams, eye exams, and dental care to people on Kaua'i. When asked about Tropic Care, 45% of households were aware that Tropic Care is June 13th to 20th (Figure 31).

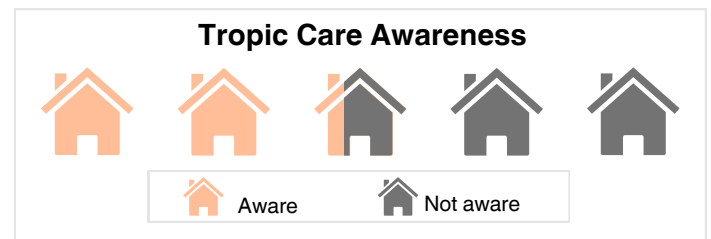


Figure 31. Percent of Kaua'i households aware of the Tropic Care Clinics from June 13th - 20th.

When asked about whether they are planning to attend, 13% of all households reported that at least one household member planned to attend Tropic Care Kaua'i clinics (Figure 32), while 11% of households were unsure.

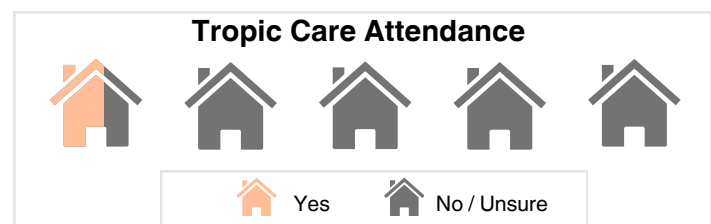


Figure 32. Percent of Kaua'i households that plan to attend the Tropic Care Clinics.

DISCUSSION

The data collected across the seven Kaua'i CASPERs conducted from 2017-2024 has played a vital role in shaping state and county emergency response plans and operations.

Annual CASPERs have served as an enormous capacity building exercise for the Kaua'i District Health Office and partner agencies, with over one hundred staff and volunteers trained in this methodology over the past eight years. The development of this capability in non-emergency times enabled KDHO to immediately implement rapid needs assessments in response to local disasters such as the historic 2018 floods and the COVID-19 pandemic.

Recommendations based on the collected data are detailed in the following section.

Recommendations

1. Housing and traffic are two of the primary challenges households face living on Kaua'i. Over the past ten years, the County of Kaua'i has dedicated significant resources and attention toward the development of affordable housing and workforce housing including Koa'e Makana in Poipu with 133 workforce housing units added in 2020 and Lima Ola affordable housing units in Ele'ee with the first phase expected to open in September of 2024.

Workforce housing can address both of the primary challenges identified by Kaua'i households simultaneously by making it easier for people to live in the same community in which they work, thereby avoiding time spent stuck in traffic or contributing to the congestion on our roads. The County of Kaua'i's continued focus on smart growth and walkable, sustainable communities can help to mitigate some of the primary challenges faced by Kaua'i households and potentially lead to improvements in the overall quality of life for island residents.

2. The majority of households have a working fire extinguisher (77%) and smoke detectors (86%). No changes were observed in the percentage of households that have these devices between 2019 and 2024. Three out of every five households (60%) have taken at least some measures to protect their home from wildfires. Additionally, three out of five households (62%) also have more than one route to leave their neighborhood via car if they had to evacuate for an emergency.

While the majority of Kaua'i households have basic fire protection devices and have taken some fire prevention measures, there is continued room for outreach and education. Climate change will increase the frequency of climatic conditions that can lead to wildfires that are challenging to control due to the combination of intense wind speeds and drought conditions. While all households should have working fire extinguishers, smoke detectors, and household emergency evacuation plans for all hazards, disaster preparedness for wildfires requires a whole community effort. For more information on how to protect your home and community from wildfires, please visit: [NFPA's Firewise Page](#)

3. One of every two households on Kaua'i is at least somewhat concerned about climate change impacts related to extreme heat, water quality, severe weather/flooding and wildfires/drought. In addition, the average household on Kaua'i discusses climate change at least monthly, with 10% discussing it daily. Nevertheless, one of every three households on Kaua'i is not concerned about these impacts.

Given the high vulnerability of the Hawaiian islands to climate change, these unconcerned households represent an opportunity for outreach and education to increase awareness of island-specific impacts. Greater awareness may generate greater concern and lead to more willingness to take action individually or be supportive of community-wide efforts to prevent and/or mitigate the effects of climate change.

4. More than half of households (62%) indicated that they face no barriers to emergency evacuation when advised to do so by public officials. Among households that reported a barrier, the most common one identified in 2024 was concern about leaving pets (19%), up from 8% in 2022. In 2024, 3% of households identified uncertainty about where to go as a barrier to evacuation, down from 11% in 2022.

The decline observed in households that reported being uncertain about where to go during an emergency evacuation suggests that public education and messaging around emergency evacuation and shelter locations has improved on Kaua'i. The increase in the number of households that identified concerns about leaving pets as a barrier to following an evacuation order is concerning. Shelter support partners, which includes DOH, should expand outreach in this area and help to inform pet owners that several emergency shelters on Kaua'i are pet friendly including: Kaua'i High School, Kapa'a High School, Kapa'a Middle School, 'Ele'ele Elementary School, Kalāheo Elementary School, Waimea Canyon Middle School, Waimea High School, and Kaua'i Humane Society (pets only). For more information on pet sheltering and to view which shelters have been opened on Kaua'i in response to a local emergency, please visit:

[KEMA's Shelter Page](#)

5. The percentage of Kaua'i households planning to evacuate to public shelters increases as the category of storm increases. In 2024, about 30% of households intend to seek shelter in a public facility during category 4 or 5 storms. Public shelters in Hawai'i serve as a last resort, offering some protection for those without safer options, but most public shelters are not built to withstand major hurricanes and the available shelter capacity would not accommodate the number of residents intending to seek shelter during a major hurricane.

Additional planning with ESF-6 mass care partners is needed to determine how to accommodate the volume of residents who plan to evacuate to public shelters during major hurricane events. Statewide education efforts should emphasize sheltering-in-place versus evacuating to public shelters for those who can safely do so.

This ensures limited public shelter space is allocated to those who need it most. Moreover, the state could consider measures such as tax incentives to households and businesses that choose to reinforce the structural integrity of their homes/facilities. Such measures reduce reliance on public shelters while fostering individual resilience and preparedness.

6. The majority of Kaua'i households (59%) continue to think it is very important to stay up-to-date on recommended vaccines. However, from 2019 to 2024, the percentage of households who think it is not important to stay up-to-date on recommended vaccines tripled from 5% to 14%.

The COVID-19 pandemic significantly impacted the public perception of vaccines in the United States. On Kaua'i, this has resulted in a significant increase in the percentage of the population that does not consider it important to stay up-to-date on recommended vaccines. As a community at daily risk of disease introduction due to high visitor counts from across the world, vaccine refusals and delays put our community at risk for greater morbidity and mortality in future disease outbreaks as well as for the next pandemic. The entire public health and healthcare community needs to work together to address vaccine concerns in our residents.

7. Households were asked to rank their physical and mental health and well-being on a scale of 1 to 5, with 1 being very poor and 5 being very good. Four out of five households ranked both their physical and mental health as "good" or "very good". The mean and median physical health ratings were 4.2 and 3.8, respectively. The mean and median mental health ratings were 4.4 and 4.1, respectively.

During previous Kaua'i and other statewide disasters, we have not had baseline physical and mental health data for comparison purposes. Collecting this information for the first time in 2024 during blue skies will allow us to assess future disaster impacts on our community's physical and mental health.



Limitations

CASPER methodology is based on the systematic selection of households within 30 randomly selected census blocks. For the purposes of the 2024 Kaua'i CASPER, 2020 U.S. Census Bureau data was used as the most recent data available. The island of Kaua'i has experienced some growth since the 2020 census was conducted. Changes to the overall number, composition, and geographic location of occupied housing units is not reflected in the data used for census block and household selection processes.

Additionally, survey teams had to replace some systematically selected households after three attempts with no answer, household refusal, household inaccessibility, or household ineligibility (i.e., not a Kaua'i resident).

Certain high-risk groups, particularly houseless individuals and those living in congregate settings such as long-term care and correctional facilities, are excluded by CASPER's census block and household selection method. These individuals tend to have greater resource needs and potentially different barriers than those living in residential settings better captured by census block data. Emergency planners should take this into account when using this data to inform planning efforts and emergency response operations.



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APPENDIX A: DATA TABLES

Table 3. Basic household information questions of the 2024 CASPER (n = 177)

Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>Does your household own or rent this residence?</i>					
Own	133	17965	75.2	65.7	84.8
Rent	43	5805	24.3	14.7	33.9
Other	0	.	.	.	.
Unsure	0	.	.	.	.
Declined	1	.	.	.	.
<i>Percentage of households with at least one member in each age group...</i>					
Under 2 years old	5	608	2.5	0.0	5.1
2 - 17 years old	42	5362	22.4	16.3	28.6
18 - 64 years old	116	15125	63.3	54.7	72.0
Over 64 years old	93	12293	51.5	43.1	59.8
<i>Is there an adult in your households who does not speak English?</i>					
Yes	5	588	2.5	0.4	4.5
No	171	23182	97.0	94.4	99.7
Unsure	0	.	.	.	.
Declined	1	.	.	.	.
<i>If yes, what language(s) do they speak? (n = 5)</i>					
Ilocano	2	.	.	.	.
Spanish	1	.	.	.	.
Japanese	1	.	.	.	.
Yapese	1	.	.	.	.

Table 4: Emergency and Evacuation Plans

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>Does your household have the following emergency plans?</i>						
Communication plan (such as a list of phone numbers and a designated out-of-town contact)						
2024	Yes	137	18436	77.2	69.8	84.6
	No	37	5099	21.3	14.1	28.6
	Unsure	3	.	.	.	.
	Declined	0	.	.	.	.
2023	Yes	117	15453	62.5	53.3	71.8
	No	57	8486	34.3	25.4	43.3
	Unsure	6	773	3.1	0.7	5.5
	Declined	0	.	.	.	.
2022	Yes	101	14002	56.7	49.2	64.1
	No	73	10367	42.0	35.0	48.9
	Unsure	2	.	.	.	.
	Declined	0	.	.	.	.
2019	Yes	113	14390	62.1	54.2	70.0
	No	68	8207	35.4	27.5	43.4
	Unsure	5	571	2.5	0.4	4.6
	Declined	0	.	.	.	.
2017	Yes	121	18931	63.2	57.3	69.1
	No	64	10556	35.2	29.7	40.7
	Unsure	2	.	.	.	.
	Declined	0	.	.	.	.
Designated meeting place immediately outside your home or close by in your neighborhood						
2024	Yes	94	12128	50.8	40.7	60.9
	No	79	11269	47.2	37.1	57.3
	Unsure	4	.	.	.	.
	Declined	0	.	.	.	.
2023	Yes	84	11166	45.2	36.3	54.1
	No	86	12350	50.0	40.4	59.6
	Unsure	8	961	3.9	1.4	6.3
	Declined	2	.	.	.	.
2022	Yes	88	12699	51.4	42.5	60.3
	No	82	11220	45.4	35.9	54.9
	Unsure	6	792	3.2	0.3	6.2
	Declined	0	.	.	.	.
2019	Yes	87	11118	48.0	40.4	55.6
	No	96	11719	50.6	43.0	58.1
	Unsure	3	.	.	.	.
	Declined	0	.	.	.	.
2017	Yes	96	15836	53.1	44.2	62.0
	No	89	13840	46.4	37.7	55.1
	Unsure	1	.	.	.	.
	Declined	0	.	.	.	.

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>Does your household have the following emergency plans?</i>						
Copies of important documents in a safe location (e.g. waterproof bag)						
2024	Yes	136	18577	77.8	70.1	85.5
	No	36	4656	19.5	12.3	26.7
	Unsure	5	655	2.7	0.4	5.1
	Declined	0	.	.	.	.
2023	Yes	140	18642	75.4	66.1	84.7
	No	36	5552	22.5	13.3	31.6
	Unsure	4	.	.	.	.
	Declined	0	.	.	.	.
2022	Yes	135	18585	75.2	66.3	84.1
	No	37	5548	22.5	13.4	31.5
	Unsure	4	.	.	.	.
	Declined	0	.	.	.	.
2019	Yes	127	15899	68.6	62.2	75.1
	No	50	6111	26.4	19.4	33.4
	Unsure	9	1159	5.0	2.0	8.0
	Declined	0	.	.	.	.
2017	Yes	137	21672	72.3	65.2	79.4
	No	48	7815	26.1	19.6	32.6
	Unsure	2	.	.	.	.
	Declined	0	.	.	.	.

<i>Is your household aware that the State of Hawai'i recommends a 14-day supply of food, water, and prescription medication?</i>						
2024	Yes	146	19487	81.6*	75.6	87.5
	No	29	3852	16.1	10.4	21.9
	Unsure	2	.	.	.	.
	Declined	0	.	.	.	.
2019	Yes	86	11021	47.6	37.8	57.3
	No	93	11249	48.6	39.2	57.9
	Unsure	6	789	3.4	0.8	6.0
	Declined	1	.	.	.	.
2017	Yes	69	11237	37.5	29.5	45.5
	No	117	18581	62.0	54.3	69.7
	Unsure	1	.	.	.	.
	Declined	0	.	.	.	.

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>Is anyone in your household dependent on medical equipment that runs on electricity?</i>						
2024	Yes	15	1851	7.8	3.6	11.9
	No	161	21919	91.8	87.4	96.1
	Unsure	1	.	.	.	.
	Declined	0	.	.	.	.
2023	Yes	6	753	3.0	0.7	5.4
	No	174	23959	97.0	94.6	99.3
	Unsure	0	.	.	.	.
	Declined	0	.	.	.	.
2022	Yes	16	2322	9.4	4.4	14.4
	No	160	22390	90.6	85.6	95.6
	Unsure	0	.	.	.	.
	Declined	0	.	.	.	.
2019	Yes	11	1279	5.5	2.1	8.9
	No	175	21890	94.5	91.1	97.9
	Unsure	0	.	.	.	.
	Declined	0	.	.	.	.
<i>If yes, does your household have a backup power supply in the event of a power outage? (n = 15)</i>						
2024	Yes	6	706	38.1	3.3	72.9
	No	9	1145	61.9	27.1	96.7
	Unsure	0	.	.	.	.
	Declined	0	.	.	.	.
<i>Is your household familiar with tsunami evacuation zones on Kaua'i (island-wide)?</i>						
2024	Yes	140	18820	78.8	71.5	86.0
	No	28	3648	15.3	8.2	22.3
	Unsure	9	1420	5.9	1.5	10.4
	Declined	0	.	.	.	.
2023	Yes	114	15894	64.3	55.0	73.6
	No	56	7535	30.5	21.6	39.4
	Unsure	10	1283	5.2	2.4	8.0
	Declined	0	.	.	.	.
2022	Yes	123	17281	69.9	63.1	76.7
	No	49	6872	27.8	22.1	33.6
	Unsure	4	.	.	.	.
	Declined	0	.	.	.	.

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>Have you or anyone in your household signed up to receive weather and other disaster-related alerts?</i>						
2024	Yes	145	19644	82.2	74.2	90.2
	No	26	3519	14.7	8.1	21.4
	Unsure	6	726	3.0	0.3	5.8
	Declined	0	.	.	.	.
2023	Yes	127	16857	68.2	60.8	75.6
	No	50	6796	27.5	21.4	33.6
	Unsure	3	.	.	.	.
	Declined	0	.	.	.	.
2022	Yes	118	16586	67.1	58.7	75.5
	No	49	6757	27.3	19.8	34.9
	Unsure	9	1369	5.5	1.7	9.4
	Declined	0	.	.	.	.
2019	Yes	130	16255	70.2	61.2	79.1
	No	46	5608	24.2	15.6	32.9
	Unsure	10	1306	5.6	2.2	9.0
	Declined	0	.	.	.	.
2017	Yes	125	19520	65.2	55.5	74.8
	No	58	9683	32.3	23.1	41.5
	Unsure	4	.	.	.	.
	Declined	0	.	.	.	.
<i>Is your household familiar with the Kaua'i Emergency Management Agency's website?</i>						
2024	Yes	102	13909	58.2	50.1	66.4
	No	69	9226	38.6	30.5	46.7
	Unsure	6	753	3.2	0.0	6.6
	Declined	0	.	.	.	.
2023	Yes	101	13354	54.0	45.6	62.5
	No	78	11220	45.4	37.0	53.9
	Unsure	1	.	.	.	.
	Declined	0	.	.	.	.
2022	Yes	99	13870	56.1	47.9	64.3
	No	70	9844	39.8	31.5	48.2
	Unsure	7	998	4.0	1.2	6.9
	Declined	0	.	.	.	.
2020	Yes	151	18604	80.1*	73.9	86.4
	No	38	4609	19.9	13.6	26.1
	Unsure	0	.	.	.	.
	Declined	0	.	.	.	.
2019	Yes	89	11422	49.3	42.3	56.3
	No	90	10822	46.7	39.0	54.4
	Unsure	7	925	4.0	0.6	7.4
	Declined	0	.	.	.	.
2017	Yes	65	10073	33.9	27.2	40.7
	No	116	18978	64.0	56.5	71.4
	Unsure	4	.	.	.	.
	Declined	0	.	.	.	.

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>If Kaua'i was threatened by a hurricane where would your household seek shelter for each category of storm?</i>						
Category 1 (75 - 95 mph)						
2024	Shelter in place (at home)	125	17604	73.7	65.3	82.1
	Friend/family's home	28	3373	14.1	7.9	20.4
	Public shelter	15	1785	7.5	3.0	12.0
	Other	2	.	.	.	.
	Unsure	7	890	3.7	1.1	6.3
	Declined	0	.	.	.	.
2023	Shelter in place (at home)	138	18397	74.4	65.1	83.8
	Friend/family's home	23	3169	12.8	7.7	17.9
	Public shelter	13	1714	6.9	1.9	12.0
	Other	2	255	1.0	0.0	2.5
	Unsure	4	1177	4.8	0.0	11.7
	Declined	0	.	.	.	.
2022	Shelter in place (at home)	143	20129	81.5	74.7	88.2
	Friend/family's home	13	2036	8.2	4.0	12.5
	Public shelter	13	1616	6.5	2.5	10.6
	Other	1	.	.	.	.
	Unsure	6	814	3.3	0.7	5.9
	Declined	0	.	.	.	.
2019	Shelter in place (at home)	137	17296	74.7	67.0	82.3
	Friend/family's home	19	2244	9.7	4.8	14.6
	Public shelter	19	2244	9.7	5.3	14.1
	Other	7	855	3.7	0.8	6.6
	Unsure	4	.	.	.	.
	Declined	0	.	.	.	.
Category 2 (96 - 110 mph)						
2024	Shelter in place (at home)	108	15114	63.3	54.0	72.6
	Friend/family's home	30	3785	15.8	9.4	22.3
	Public shelter	26	3099	13.0	7.9	18.1
	Other	2	.	.	.	.
	Unsure	11	1655	6.9	2.7	11.1
	Declined	0	.	.	.	.
2023	Shelter in place (at home)	112	14910	60.3	48.8	71.9
	Friend/family's home	24	3307	13.4	7.4	19.4
	Public shelter	30	3962	16.0	9.2	22.9
	Other	11	2114	8.6	1.4	15.7
	Unsure	3	.	.	.	.
	Declined	0	.	.	.	.
2022	Shelter in place (at home)	126	17865	72.3	64.0	80.6
	Friend/family's home	18	2710	11.0	5.0	17.0
	Public shelter	21	2646	10.7	6.1	15.3
	Other	8	1138	4.6	1.6	7.6
	Unsure	3	.	.	.	.
	Declined	0	.	.	.	.

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>If Kaua'i was threatened by a hurricane where would your household seek shelter for each category of storm?</i>						
Category 2 (96 - 110 mph)						
2019	Shelter in place (at home)	115	14783	63.8	54.3	73.3
	Friend/family's home	26	2999	12.9	7.6	18.2
	Public shelter	30	3497	15.1	9.2	21.0
	Other	6	752	3.2	0.4	6.1
	Unsure	9	1139	4.9	1.3	8.5
	Declined	0	.	.	.	.
Category 3 (111 - 129 mph)						
2024	Shelter in place (at home)	81	10901	45.6	36.5	54.7
	Friend/family's home	32	4452	18.6	12.0	25.3
	Public shelter	47	5950	24.9	17.7	32.1
	Other	4	.	.	.	.
	Unsure	13	2095	8.8	3.5	14.0
	Declined	0	.	.	.	.
2023	Shelter in place (at home)	89	11830	47.9	36.7	59.0
	Friend/family's home	23	3236	13.1	6.3	19.8
	Public shelter	50	6547	26.5	18.3	34.7
	Other	3	.	.	.	.
	Unsure	15	2679	10.8	3.1	18.6
	Declined	0	.	.	.	.
2022	Shelter in place (at home)	101	14358	58.1	50.7	65.5
	Friend/family's home	24	3571	14.5	8.7	20.2
	Public shelter	35	4772	19.3	13.7	24.9
	Other	4	.	.	.	.
	Unsure	12	1540	6.2	2.4	10.1
	Declined	0	.	.	.	.
2019	Shelter in place (at home)	85	11109	47.9	37.6	58.3
	Friend/family's home	35	4114	17.8	12.2	23.3
	Public shelter	43	5134	22.2	14.3	30.0
	Other	9	1094	4.7	1.2	8.2
	Unsure	14	1717	7.4	3.8	11.0
	Declined	0	.	.	.	.
Category 4 (130 - 156 mph)						
2024	Shelter in place (at home)	71	9618	40.3	31.6	48.9
	Friend/family's home	30	4197	17.6	10.9	24.2
	Public shelter	53	6743	28.2	20.8	35.7
	Other	5	608	2.5	0.0	5.1
	Unsure	18	2722	11.4	5.3	17.4
	Declined	0	.	.	.	.

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>If Kaua'i was threatened by a hurricane where would your household seek shelter for each category of storm?</i>						
Category 4 (130 - 156 mph)						
2023	Shelter in place (at home)	68	9030	36.5	26.2	46.9
	Friend/family's home	28	3981	16.1	8.5	23.8
	Public shelter	62	8092	32.7	23.5	42.0
	Other	4	.	.	.	.
	Unsure	18	3071	12.4	4.2	20.6
	Declined	0	.	.	.	.
2022	Shelter in place (at home)	85	12211	49.4	41.6	57.2
	Friend/family's home	27	3944	16.0	10.4	21.5
	Public shelter	47	6341	25.7	18.1	33.3
	Other	4	.	.	.	.
	Unsure	13	1746	7.1	3.6	10.6
	Declined	0	.	.	.	.
2019	Shelter in place (at home)	71	9328	40.3	30.2	50.3
	Friend/family's home	33	3893	16.8	11.1	22.5
	Public shelter	59	7137	30.8	22.8	38.8
	Other	10	1223	5.3	1.7	8.8
	Unsure	13	1588	6.9	3.2	10.5
	Declined	0	.	.	.	.
Category 5 (157+ mph)						
2024	Shelter in place (at home)	57	7865	32.9	24.3	41.6
	Friend/family's home	31	4315	18.1	11.5	24.6
	Public shelter	56	7096	29.7	22.1	37.3
	Other	6	726	3.0	0.3	5.8
	Unsure	27	3887	16.3	9.1	23.4
	Declined	0	.	.	.	.
2023	Shelter in place (at home)	60	7892	31.9	23.1	40.8
	Friend/family's home	26	3570	14.4	7.8	21.1
	Public shelter	70	9298	37.6	29.6	45.7
	Other	4	.	.	.	.
	Unsure	20	3415	13.8	5.7	22.0
	Declined	0	.	.	.	.
2022	Shelter in place (at home)	74	10624	43.0	33.4	52.6
	Friend/family's home	28	4130	16.7	11.0	22.4
	Public shelter	50	6782	27.4	19.8	35.1
	Other	5	588	2.4	0.4	4.4
	Unsure	19	2587	10.5	5.5	15.4
	Declined	0	.	.	.	.
2019	Shelter in place (at home)	58	7463	32.2	24.5	39.9
	Friend/family's home	30	3793	16.4	10.7	22.0
	Public shelter	71	8615	37.2	29.0	45.3
	Other	11	1334	5.8	2.2	9.4
	Unsure	16	1964	8.5	4.8	12.1
	Declined	0	.	.	.	.

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>What main barrier might prevent your household from evacuating for a disaster when advised to do so?</i>						
2024	No barriers (household will evacuate)	94	12446	52.1	42.5	61.7
	No barriers (household would choose not to evacuate)	19	2452	10.3	5.9	14.6
	Uncertainty about where to go	6	765	3.2*	0.8	5.6
	Concern about leaving pet(s)	31	4519	18.9*	12.9	24.9
	Concern about leaving property vacant	3	.	.*	.	.
	Health or mobility issues	9	1236	5.2	1.6	8.7
	Other	8	1255	5.3	0.9	9.6
	Unsure	7	843	3.5	0.4	6.7
	Decline	0	.	.	.	.
2023	No barriers (household will evacuate)	76	10089	40.8	32.8	48.9
	No barriers (household would choose not to evacuate)	24	3071	12.4	7.3	17.6
	Uncertainty about where to go	19	3252	13.2	5.3	21.0
	Concern about leaving pet(s)	17	2507	10.1	4.4	15.9
	Concern about leaving property vacant	8	961	3.9	1.1	6.7
	Lack of transportation	7	937	3.8	0.5	7.1
	Inconvenient or expensive	1	.	.	.	.
	Health or mobility issues	5	832	3.4	0.3	6.4
	Other	19	2503	10.1	4.6	15.6
	Unsure	12	1498	6.1	3.2	8.9
	2022	No barriers (household will evacuate)	86	12211	49.4	41.0	57.8
No barriers (household would choose not to evacuate)		23	3134	12.7	7.3	18.0
Uncertainty about where to go		19	2791	11.3	6.5	16.1
Concern about leaving pet(s)		14	1936	7.8	3.2	12.4
Concern about leaving property vacant		6	883	3.6	0.0	7.6
Lack of transportation		4	.	.	.	.
Inconvenient or expensive		3	.	.	.	.
Health or mobility issues		2	.	.	.	.
Other		9	1059	4.3	0.5	8.0
Unsure		10	1485	6.0	2.2	9.8
<i>Does your household have a working fire extinguisher?</i>						
2024	Yes	136	18299	76.6	69.8	83.4
	No	31	4079	17.1	11.3	22.9
	Unsure	10	1510	6.3	2.2	10.5
	Declined	0	.	.	.	.

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>Does your household have a working fire extinguisher?</i>						
2019	Yes	131	16229	70.0	62.5	77.6
	No	50	6280	27.1	20.0	34.2
	Unsure	5	660	2.8	0.4	5.3
	Declined	0	.	.	.	.
<i>Does your household have working smoke detectors?</i>						
2024	Yes	152	20574	86.1	80.7	91.5
	No	23	3060	12.8	7.5	18.1
	Unsure	2	.	.	.	.
	Declined	0	.	.	.	.
2019	Yes	165	20588	88.9	83.3	94.4
	No	19	2316	10.0	4.8	15.2
	Unsure	2	.	.	.	.
	Declined	0	.	.	.	.
<i>If you had to evacuate your home by car for an emergency, how many different routes could you take to leave your neighborhood?</i>						
2024	One	66	8963	37.5	24.8	50.2
	More than one	110	14808	62.0	49.3	74.7
	Unsure	1	.	.	.	.
	Declined	0	.	.	.	.
<i>Has your household taken any measures to protect your home from wildfires?</i>						
2024	Yes	107	14329	60.0	53.3	66.6
	No	68	9324	39.0	31.7	46.4
	Unsure	2	.	.	.	.
	Declined	0	.	.	.	.

Table 5: Climate Change

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>How concerned is your HH about each of the following impacts of climate change in your community?</i>						
Extreme heat						
2024	Very Concerned	39	5213	21.8	13.5	30.1
	Somewhat Concerned	52	6978	29.2	22.9	35.6
	Not Concerned	77	10638	44.5	34.6	54.4
	Unsure	8	941	3.9	1.5	6.4
	Declined	1	.	.	.	.
Water quality impacts						
2024	Very Concerned	49	6366	26.7	18.9	34.4
	Somewhat Concerned	54	7041	29.5	21.1	37.9
	Not Concerned	70	10010	41.9	35.2	48.6
	Unsure	4	.	.	.	.
	Declined	0	.	.	.	.

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>How concerned is your HH about each of the following impacts of climate change in your community?</i>						
Severe weather & flooding						
2024	Very Concerned	50	7014	29.4	19.1	39.6
	Somewhat Concerned	52	6943	29.1	20.6	37.5
	Not Concerned	70	9343	39.1	30.5	47.7
	Unsure	4	.	.	.	.
	Declined	1	.	.	.	.
Wildfires & Drought						
2024	Very Concerned	43	5625	23.5	15.7	31.4
	Somewhat Concerned	48	6323	26.5	19.5	33.4
	Not Concerned	81	11352	47.5	39.9	55.1
	Unsure	4	.	.	.	.
	Declined	1	.	.	.	.
<i>Have any members in your household experienced eco-anxiety or mental health impacts related to climate change?</i>						
2024	Yes	24	3311	13.9	7.6	20.1
	No	149	20107	84.2	77.5	90.9
	Unsure	4	.	.	.	.
	Declined	0	.	.	.	.
<i>How often does your household talk about climate change?</i>						
2024	Daily	17	2459	10.3	4.5	16.1
	Weekly	31	4448	18.6	12.0	25.2
	Monthly	33	4617	19.3	12.6	26.0
	Rarely	69	9022	37.8	29.3	46.2
	Never	22	2754	11.5	5.3	17.7
	Unsure	4	.	.	.	.
	Declined	1	.	.	.	.

Table 6: Infectious Disease

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>Is your household familiar with the ongoing measles outbreak on the mainland?</i>						
2024	Yes	89	12077	50.6	42.4	58.7
	No	84	11046	46.2	39.2	53.3
	Unsure	4	.	.	.	.
	Declined	0	.	.	.	.
2019	Yes	149	18747	80.9	74.5	87.3
	No	35	4156	17.9	11.7	24.2
	Unsure	2	.	.	.	.
	Declined	0	.	.	.	.

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>How concerned is your household that the measles outbreak may impact Kaua'i?</i>						
2024	Very concerned	31	3832	16.0	8.9	23.2
	Somewhat concerned	59	7853	32.9	25.6	40.1
	Not concerned	71	9810	41.1	32.5	49.6
	Unsure	15	2275	9.5	4.3	14.7
	Declined	1	.	.	.	.
<i>How concerned is your household that the measles outbreak may impact Kaua'i?</i>						
2019	Very concerned	49	5831	25.2	17.9	32.5
	Somewhat concerned	61	7791	33.6	25.7	41.6
	Not concerned	63	8047	34.7	25.9	43.5
	Unsure	13	1500	6.5	3.3	9.7
	Declined	0	.	.	.	.
<i>How important does your household think it is to stay up-to-date on recommended vaccines?</i>						
2024	Very important	103	14172	59.3	50.6	68.1
	Somewhat important	41	5539	23.2	14.4	31.9
	Not important	27	3452	14.4*	8.6	20.3
	Unsure	5	608	2.5	0.4	4.7
	Declined	1	.	.	.	.
2019	Very important	140	17008	73.4	65.7	81.1
	Somewhat important	32	4425	19.1	12.7	25.5
	Not important	10	1212	5.2	2.4	8.1
	Unsure	4	.	.	.	.
	Declined	0	.	.	.	.
<i>Is your household familiar with the updated guidance from the DOH and the CDC about protecting yourself and other from spread of respiratory viruses including COVID-19?</i>						
2024	Yes	145	19448	81.4	76.4	86.4
	No	27	3813	16.0	11.4	20.5
	Unsure	5	628	2.6	0.4	4.9
	Declined	0	.	.	.	.

Table 7: General Life on Kaua'i

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>What is the biggest challenge your household faces living on Kaua'i?</i>						
2024	Housing	41	5284	22.1	14.7	29.6
	Childcare	2	.	.	.	.
	Education	3	.	.	.	.
	Employment/Salaries	8	961	4.0	1.1	6.9
	Medical care	27	3722	15.6	8.3	22.9
	Mental health care	2	.	.	.	.
	Transportation	2	.	.	.	.
	Food	13	1577	6.6	3.4	9.8
	Places to walk/play/exercise	0	.	.	.	.
	Traffic	23	3754	15.7	7.5	24.0

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
	Overall cost of living [†]	16	2236	9.4	2.9	15.8
	Climate change and/or natural disasters [†]	4	.	.	.	.
	Other	6	726	3.0	0.0	6.1
	None	24	3315	13.9	8.2	19.6
	Unsure	5	608	2.5	0.4	4.7
	Declined	1	.	.	.	.

What is the biggest challenge your household faces living on Kaua'i?

2023	Housing	34	4493	18.2	11.6	24.8
	Childcare	2	.	.	.	.
	Education	3	.	.	.	.
	Employment/Salaries	15	2040	8.3	4.2	12.3
	Medical care	22	2895	11.7	6.5	16.9
	Mental health care	6	794	3.2	0.7	5.7
	Transportation	7	863	3.5	1.1	5.9
	Food	19	2361	9.6	5.1	14.0
	Places to walk/play/exercise	3	.	.	.	.
	Traffic	9	1173	4.7	1.3	8.2
	Other	12	1640	6.6	2.4	10.8
	None	45	6808	27.5	19.3	35.8
	Unsure	3	.	.	.	.

How concerned is your household about your ability to pay the next month's rent or mortgage?

2024	Very concerned	16	1902	8.0	3.0	12.9
	Somewhat concerned	21	2918	12.2	5.5	18.9
	Not concerned	136	18597	77.8	69.5	86.2
	Unsure	0	.	.	.	.
	Declined	4	.	.	.	.
2023	Very concerned	13	1722	7.0	3.5	10.4
	Somewhat concerned	32	4207	17.0	11.2	22.8
	Not concerned	128	17940	72.6	65.2	80.0
	Unsure	6	726	2.9	0.3	5.6
	Declined	1	.	.	.	.
2022	Very concerned	16	2242	9.1	4.4	13.8
	Somewhat concerned	15	2053	8.3	3.6	13.0
	Not concerned	139	19558	79.1	72.3	86.0
	Unsure	5	722	2.9	0.0	6.5
	Declined	1	.	.	.	.
2020	Very concerned	25	3110	13.4	7.8	19.0
	Somewhat concerned	39	4714	20.3	14.3	26.3
	Not concerned	123	15168	65.3	58.0	72.7
	Unsure	0	.	.	.	.
	Declined	2	.	.	.	.

[†] Denotes frequent responses among those who selected other.

Year	Response	Frequency	Estimated HH	% of HH	95% Confidence Limits	
<i>On a scale of 1 - 5, with 1 being very poor and 5 being very good:</i>						
<i>How would you rate your household's current physical health and well-being?</i>						
2024	1	1	.	.	.	.
	2	3	.	.	.	.
	3	31	3860	16.2	9.6	22.7
	4	72	9685	40.5	31.5	49.6
	5	70	9873	41.3	31.7	50.9
	Unsure	0	.	.	.	.
	Declined	0	.	.	.	.
<i>On a scale of 1 - 5, with 1 being very poor and 5 being very good:</i>						
<i>How would you rate your household's current mental health and well-being?</i>						
2024	1	1	.	.	.	.
	2	3	.	.	.	.
	3	25	3095	13.0	8.9	17.2
	4	53	7245	30.5	23.0	38.0
	5	94	12960	54.4	45.2	63.9
	Unsure	1	.	.	.	.
	Declined	0	.	.	.	.
<i>Is your household aware the Tropic Care Kaua'i is June 13th - 20th?</i>						
2024	Yes	85	10862	45.5	37.4	53.5
	No	89	12674	53.1	45.4	60.7
	Unsure	3	.	.	.	.
	Declined	0	.	.	.	.
<i>Does anyone in your household plan to attend Tropic Care Clinics?</i>						
2024	Yes	26	3158	13.2	7.1	19.3
	No	131	18181	76.1	67.3	84.9
	Unsure	20	2550	10.7	5.1	16.2
	Declined	0	.	.	.	.
<i>Did your household hear about this survey prior to us talking to you today?</i>						
2024	Yes	22	3020	12.6	7.4	17.9
	No	154	20750	86.9	81.5	92.3
	Unsure	1	.	.	.	.
	Declined	0	.	.	.	.
<i>Does your household have any concerns or needs that the Department of Health can assist you with at this time?</i>						
2024	Yes	23	2773	11.6	6.3	17.0
	No	153	21115	88.4	83.0	93.7
	Declined	0	.	.	.	.

APPENDIX B:

To be completed by team BEFORE the interview																																											
Date (MM/DD/YY):	Cluster Number:	Survey Number:																																									
First, we would like to ask about basic household information																																											
<p>Q1. Including yourself, how many people live in your HH? _____</p> <p>Including yourself, how many people are :</p> <table border="1"> <tr> <td>Less than 2 years old</td> <td></td> </tr> <tr> <td>2 - 17 years old</td> <td></td> </tr> <tr> <td>18 - 64 years old</td> <td></td> </tr> <tr> <td>65 or over</td> <td></td> </tr> </table> <ul style="list-style-type: none"> • Unsure • Declined 	Less than 2 years old		2 - 17 years old		18 - 64 years old		65 or over		<p>Q2. Does your HH own or rent this residence?</p> <ul style="list-style-type: none"> • Own • Rent • Unsure • Declined 	<p>Q3a. Is there an adult in your HH who does not speak English?</p> <ul style="list-style-type: none"> • Yes • No • Unsure • Declined <p>Q3b. If yes, what language(s) do they speak? _____</p>																																	
Less than 2 years old																																											
2 - 17 years old																																											
18 - 64 years old																																											
65 or over																																											
Next, we would like to ask you about your household's emergency and evacuation plans																																											
<p>Q4. Does your HH have the following emergency plans?</p> <p>a) Communication plan (such as a list of phone numbers and a designated out-of-town contact)</p> <ul style="list-style-type: none"> • Yes • No • Unsure • Declined <p>b) Designated meeting place immediately outside your home or close by in your neighborhood</p> <ul style="list-style-type: none"> • Yes • No • Unsure • Declined <p>c) Copies of important documents in a safe location (e.g. waterproof bag)</p> <ul style="list-style-type: none"> • Yes • No • Unsure • Declined 		<p>Q5. Is your HH aware that the State of Hawaii recommends a 14-day supply of food, water, and prescription medication?</p> <ul style="list-style-type: none"> • Yes • No • Unsure • Declined 																																									
<p>Q6a. Is anyone in your HH dependent on medical equipment that runs on electricity?</p> <ul style="list-style-type: none"> • Yes • No • Unsure • Declined <p>Q6b. If yes, does your HH have a backup power supply in the event of a power outage?</p> <ul style="list-style-type: none"> • Yes • No • Unsure • Declined 	<p>Q7a. Is your HH familiar with the tsunami evacuation zones on Kauai (island-wide)?</p> <ul style="list-style-type: none"> • Yes • No • Unsure • Declined <p>Q7b. If no, does your HH know where to find tsunami evacuation zone information?</p> <ul style="list-style-type: none"> • Yes • No • Unsure • Declined 	<p>Q8. Have you or anyone in your HH signed up to receive weather and other disaster-related alerts?</p> <ul style="list-style-type: none"> • Yes • No • Unsure • Declined 																																									
<p>Q9. Is your HH familiar with the Kauai Emergency Management Agency's website Kauai.gov/kema where you can access materials to better prepare for emergencies?</p> <ul style="list-style-type: none"> • Yes • No • Unsure • Declined 																																											
<p>Q10. If Kauai was threatened by a hurricane where would your HH seek shelter for each category of storm?</p> <table border="1"> <thead> <tr> <th rowspan="2">Hurricane Category</th> <th colspan="6">Shelter in place (at home) Friend/family's home Public shelter Other Unsure Declined</th> </tr> <tr> <th>1 (75 - 95 mph)</th> <th>2 (96 - 110 mph)</th> <th>3 (111 - 129 mph)</th> <th>4 (130 - 156 mph)</th> <th>5 (157+ mph)</th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Hurricane Category	Shelter in place (at home) Friend/family's home Public shelter Other Unsure Declined						1 (75 - 95 mph)	2 (96 - 110 mph)	3 (111 - 129 mph)	4 (130 - 156 mph)	5 (157+ mph)																													
Hurricane Category	Shelter in place (at home) Friend/family's home Public shelter Other Unsure Declined																																										
	1 (75 - 95 mph)	2 (96 - 110 mph)	3 (111 - 129 mph)	4 (130 - 156 mph)	5 (157+ mph)																																						
<p>Q11. What main barrier might prevent your HH from evacuating for a disaster when advised to do so? (select one best answer)</p> <ul style="list-style-type: none"> • Concern about leaving property vacant • Uncertainty about where to go • Health or mobility issues • Concern about leaving pet(s) • No barriers (HH will evacuate) • No barriers (but HH would not evacuate) • Other _____ • Unsure • Declined 		<p>Q12. Does your HH have the following:</p> <p>a) Working fire extinguisher</p> <ul style="list-style-type: none"> • Yes • No • Unsure • Declined <p>b) Working smoke detectors</p> <ul style="list-style-type: none"> • Yes • No • Unsure • Declined <p>Q13. If you had to evacuate your home by car for an emergency, how many different routes could you take to leave your neighborhood?</p> <ul style="list-style-type: none"> • One • More than one • Unsure • Declined 																																									
<p>Q14. Has your HH taken any measures to protect your home from wildfires (clearing brush, cleaning gutters, keeping plants 5 feet away from your home, etc.)?</p> <ul style="list-style-type: none"> • Yes • No • Unsure • Declined 																																											

Next, we would like to ask questions related to climate change			
Q15. How concerned is your HH about each of the following impacts of climate change in your community?			
a) Extreme Heat <ul style="list-style-type: none"> • Very concerned • Somewhat concerned • Not concerned • Unsure • Declined 	b) Water Quality Impacts <ul style="list-style-type: none"> • Very concerned • Somewhat concerned • Not concerned • Unsure • Declined 	c) Severe Weather & Flooding <ul style="list-style-type: none"> • Very concerned • Somewhat concerned • Not concerned • Unsure • Declined 	d) Wildfires & Drought <ul style="list-style-type: none"> • Very concerned • Somewhat concerned • Not concerned • Unsure • Declined
Q16. Have any members in your HH experienced eco-anxiety or mental health impacts related to climate change?		Q17. How often does your HH talk about climate change?	
<ul style="list-style-type: none"> • Yes • No • Unsure • Declined 		<ul style="list-style-type: none"> • Daily • Weekly • Monthly • Rarely • Never • Unsure • Declined 	
Next, we would like to ask a few questions related to infectious disease			
Q18. Is your HH familiar with the ongoing measles outbreak on the mainland?	Q19. How concerned is your HH that the measles outbreak may impact Kauai?	Q20. How important does your HH think it is to stay up-to-date on recommended vaccines?	
<ul style="list-style-type: none"> • Yes • No • Unsure • Declined 	<ul style="list-style-type: none"> • Very concerned • Somewhat concerned • Not concerned • Unsure • Declined 	<ul style="list-style-type: none"> • Very important • Somewhat important • Not important • Unsure • Declined 	
Q21. Is your HH familiar with the updated guidance from the DOH and the CDC about protecting yourself and others from spread of respiratory viruses including COVID-19?			
<ul style="list-style-type: none"> • Yes • No • Unsure • Declined 			
Finally, we would like to ask some general questions about life on Kauai			
Q22. What is the biggest challenge your HH faces living on Kauai?	Q23. How concerned is your HH about your ability to pay the next month's rent or mortgage?		
	<ul style="list-style-type: none"> • Housing • Childcare • Education • Employment / Salaries • Medical Care • Mental Health Care • Transportation • Traffic • Food • Places to walk / play / exercise • Other _____ • None • Unsure • Declined 		
On a scale of 1 - 5, with 1 being very poor and 5 being very good:			
Q24. How would you rate your household's current <i>physical</i> health and well-being?			
<ul style="list-style-type: none"> • 1 • 2 • 3 • 4 • 5 • Unsure • Declined 			
Q25. How would you rate your household's current <i>mental</i> health and well-being?			
<ul style="list-style-type: none"> • 1 • 2 • 3 • 4 • 5 • Unsure • Declined 			
Q26a. Is your HH aware that Tropic Care Kauai is June 13th - 20th?	Q27. Did your HH hear about this survey prior to us talking to you today?	Q28. Does your HH have any concerns or needs that the Department of Health can assist you with at this time?	
<ul style="list-style-type: none"> • Yes • No • Unsure • Declined 	<ul style="list-style-type: none"> • Yes • No • Unsure • Declined 	<ul style="list-style-type: none"> • Yes • No • Unsure • Declined 	
Q26b. Does anyone in your HH plan to attend Tropic Care Clinics?			
<ul style="list-style-type: none"> • Yes • No • Unsure • Declined 			



DEPARTMENT OF HEALTH
KA 'OIHANA OLAKINO

JOSH GREEN, M.D.
GOVERNOR
KE KIA'AINA

KENNETH S. FINK, MD, MGA, MPH
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KAUA'I DISTRICT HEALTH OFFICE CONDUCTS CASPER SURVEY FOR EMERGENCY PREPAREDNESS AND CLIMATE CHANGE CONCERNS

FOR IMMEDIATE RELEASE
May 23, 2024

24-066

LĪHU'E, HAWAI'I — The Kaua'i District Health Office (KDHO) will conduct a Community Assessment for Public Health Emergency Response (CASPER) survey to assess the emergency preparedness level of Kaua'i households.

"The responses will build upon prior CASPER surveys to assess household emergency preparedness and evacuation plans, as well as help us to understand household awareness and concerns regarding climate change and communicable diseases," said KDHO Deputy District Health Officer Lauren Guest. "The information we learn enables KDHO and the county to better meet our community's needs before, during and after a disaster. In addition, CASPER surveys are a valuable training opportunity for our staff."

Survey teams will go door-to-door June 3-7, 2024, in 30 randomly selected census blocks. Seven houses within each block will be systematically selected and surveyed for a total of 210 attempted household-level surveys. Teams comprise Department of Health (DOH) staff with support from the Kaua'i Medical Reserve Corps, and the American Red Cross.

The survey takes about 10 minutes and selected households will be asked about their emergency and evacuation plans; concerns regarding climate change and communicable diseases; and general questions about life on Kaua'i. All survey responses will be confidential, and survey teams will not collect names or addresses.

Team members will wear vests identifying themselves as part of the DOH survey team and will carry identification cards. Selected households will be offered the opportunity to complete the survey over the phone, if preferred.

The CASPER survey methodology was developed by the Centers for Disease Control and Prevention to rapidly assess the health and other resource needs of a community after a disaster.

This will be the seventh Department of Health CASPER survey conducted on Kaua'i.

To view prior CASPER survey reports, please visit:
<https://health.hawaii.gov/kauai/Casper/>

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KE KĀĀNA O KA MOKUĀNA 'O HAWAII



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DISTRICT HEALTH OFFICER

In reply, please refer to:
File:

Community Assessment for Public Health Emergency Response

Hello, we are _____ and _____ with the Department of Health. Hurricane season began on June 1st so we are doing a short survey to assess household emergency preparedness. Your house was randomly selected to participate, and the survey will take about 10 minutes. The survey may be conducted by phone if you prefer. It is completely anonymous — we will not collect your name or address. Do you have a few minutes to complete the survey?

[WAIT FOR RESPONDENT TO CLEARLY ANSWER YES OR NO].

[IF NO, THANK THEM FOR THEIR TIME.] Thank you very much for your time. Here is some information you might find useful.

[IF YES, CONTINUE.] Thank you so much. Would you prefer to conduct the survey outside or over the phone?

[If OVER THE PHONE, GIVE THEM A PAPER COPY OF THE SURVEY & YOUR TEAM'S ASSIGNED PHONE NUMBER—RETURN TO THE CAR AND AWAIT THEIR CALL]

*If they would like confirmation that you were sent by the Hawaii State Department of Health, please call **Lauren Guest**, Deputy District Health Officer at **808- 241-3555**.*

JOSH GREEN, M.D.
GOVERNOR OF HAWAII
KE KAWAUNA O KA MOKU'ĀINA 'O HAWAII



STATE OF HAWAII
DEPARTMENT OF HEALTH
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In reply, please refer to:
File:

Community Assessment for Public Health Emergency Response (CASPER) Survey

Aloha,

June 1st was the first official day of hurricane season. The Kauai District Health Office is conducting a survey from June 3-7 to assess the emergency preparedness of Kauai residents. Your household is one of 210 randomly selected island-wide to participate. The survey will take about 10 minutes of your time. It is completely anonymous — we will not collect your name or address.

We stopped by while you were out of the house, but we really need your participation. The information gathered will help us to improve our outreach efforts and future disaster responses.

You can complete the survey over the phone or in a physically distanced outdoor interview.

Please call _____ and provide the following identification # ____-____ in order to:

- 1) complete your interview,
- 2) schedule a time for the survey team to stop by again, or
- 3) let us know that you do not wish to participate

If we do not hear back from you, we will stop by again to see if we can reach you. If you don't receive this letter prior to June 7th, there is no need to call us back as the survey will already be completed.

Thank you for your consideration,

Janet M. Berreman

Janet M. Berreman, MD, MPH, FAAP
Kauai District Health Officer

*If you have questions regarding this survey, please call Lauren Guest, Deputy District Health Officer,
at 808-241-3555.*

APPENDIX F

Community Assessment for Public Health Emergency Response (CASPER) Tracking Form

County: _____ Cluster # (1-30): _____ Houses in the Cluster: _____ Team: _____ Date of Interview: ____ / ____ / ____

Instructions: Use one tracking form per cluster. Check where appropriate, but try to choose only one best option for each of the three categories.

Household Number	1	2	3	4	5	6	7	8	9	10	11	12
Survey Number (from questionnaire)												
Access												
House inaccessible	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Answer												
Appears vacant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No answer after (indicate time)	First visit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Second Visit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Third visit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interview												
Interview Completed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Refused to participate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ineligible to participate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Partial interview completed (indicate return time)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
"Come back later" (indicate return time)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Translator needed (specify language)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

***REMINDER:** You should not pass this line representing 7 selected (and interviewed) houses unless you replaced a household.

Houses are only eligible for replacement if:

- 1) House is inaccessible (due to locked gate, vicious dogs, damage to property, etc.)
- 2) House appears vacant (nobody lives here anymore)
- 3) Household refuses to participate
- 4) No one is home after three attempts made at least one hour apart
- 5) Household is not eligible to participate (e.g. tourist—to be eligible, they should live here at least 11 months of the year)

CASPER Referral Form

2024 Confidential Referral Form

Date: ____ / ____ / 2023 Time: __: __
Survey #: ____ Interviewer's Name: _____

Name: _____

Phone Number: _____

E-mail: _____

Referral Type (Check all that apply)

- Behavioral Health Medical/Dental Case Management Other

Summary of Needs (please provide as much information as possible so the appropriate referral can be made):

This section to be completed by the CASPER Operations Section

Referred to:

APPENDIX H



Hawaii CASPER Interview Tips



BEFORE THE INTERVIEW

- Practice with your partner
- Dress appropriately: comfortable clothing; closed-toed shoes; vest & ID
- Assign roles (e.g. driving, navigating, interviewing, etc.)

DURING THE INTERVIEW

- Introduce yourself
- Show empathy and respect
- Remind respondents that their responses are confidential and participation voluntary

ENDING THE INTERVIEW

- Look over the entire questionnaire for completeness
- Thank the respondent and provide pre-filled blue backpack
- Complete referral form when necessary

DOS AND DON'TS OF STANDARDIZATION

- **DO** ask the questions in the **same order** with the **exact wording**
- **DO** read the entire question
- **DO** record answers verbatim
- If respondent needs clarification, **repeat the question first**. If he/she still needs clarification, make sure that you are not changing the nature of the question.
- **DON'T** rephrase questions
- **DON'T** pre-fill answers
- **DON'T** try to finish the respondent's sentences

TRACKING FORM

- Used for tracking **every** household sampled (this means every house you attempt an interview at)
- Each cluster collected on a separate tracking form
- Allows for calculation of response rates - it is **very important** that it is correct and complete
- If necessary, write information to identify households to return to or any notes that you may need to take (e.g., why the household is inaccessible) on the back of the form

SYSTEMATIC SAMPLING OF HOUSEHOLDS

- Begin surveying at random starting point in cluster
- If specific interview addresses are not provided, select the nearest house and begin counting
- When you reach your first nth house (calculated by dividing households in cluster by 7), attempt an interview
- Complete tracking form **at every nth house** to indicate if interview was successful or if another attempt/replacement is needed
- Continue in serpentine manner, stopping at every nth house
- **Apartments/Condos/High Rises:** Count each apartment and condo units as individual houses
- **Commercial Buildings/Hotels:** Do not count commercial buildings or hotels when counting every nth house - these are not eligible for CASPER participation
- **Replacement:** Households can only be replaced if they meet one or more of the following categories:
 - 1) inaccessible,
 - 2) vacant,
 - 3) household refuses, or
 - 4) three attempts have been made with no answer

Call OPS with questions related to sampling or replacement.

SURVEY TIPS

Paper Survey Forms

- Ensure before departing after every interview that questionnaire form is complete (including administrative information at top of each form)

SURVEY TIPS

All Forms

- Begin survey following verbal consent
 - If household not accessible or refuses, note on tracking sheet (if refusal, provide important document bag to household)
- Note which survey number corresponds to which household on tracking sheet
- If helpful, present survey (on tablet or paper) to households to read along with survey team
- Indicate any issues on tracking form for review

SURVEY TIPS

Electronic Survey Forms

- Ensure tablets are charged before departure
 - Tablet passcode: 101010
 - Electronic application: EpiCollect 5
- Save each survey entry following completion
- Upload data upon return to command center each day

Questions or concerns? Contact OPS: 808-241-3555.

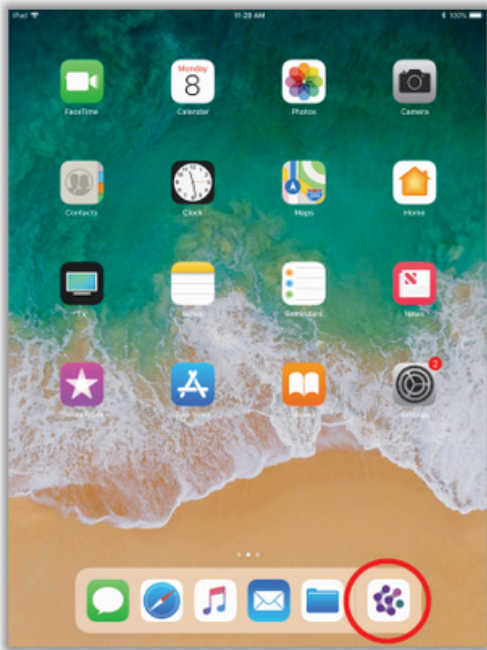
APPENDIX I

CASPER Electronic Data Collection Reference Sheet

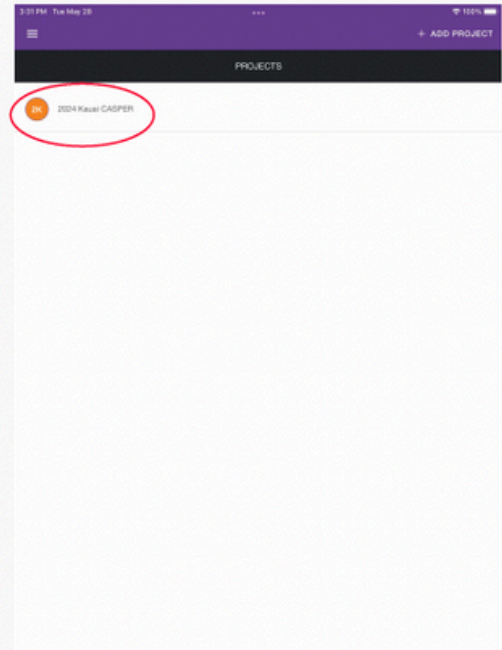
Tablet Passcode: 101010



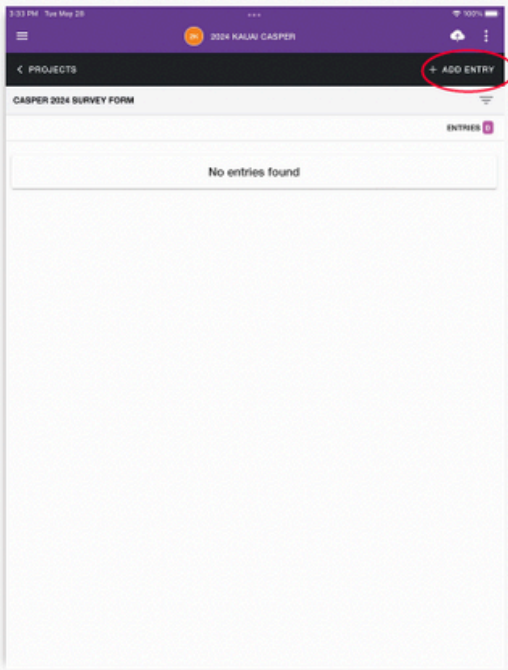
1 Open the Epi Collect application.



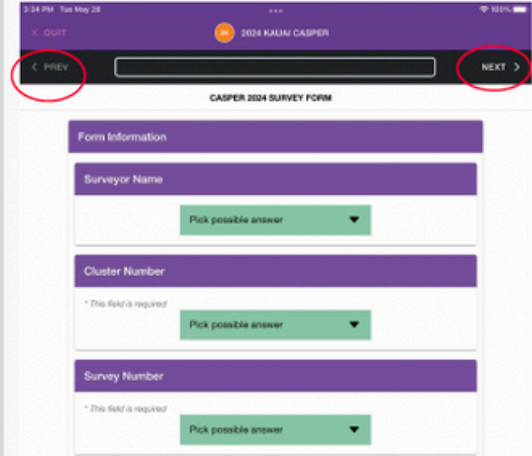
2 Select project titled "2024 Kauai CASPER."



3 To complete a new survey form, select "+ Add entry."



4 Begin the survey. Select "Next >" to move on and "< Prev" to go back.



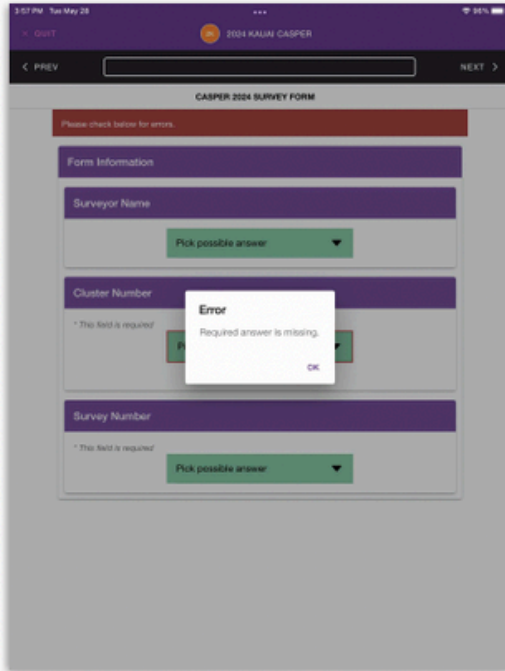
CASPER Electronic Data Collection Reference Sheet

Tablet Passcode: 101010



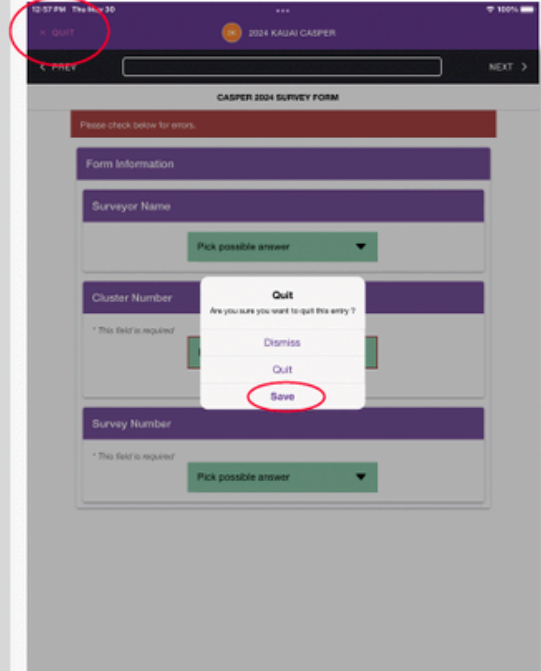
Missing Fields

The system will prompt you if required questions are left blank.

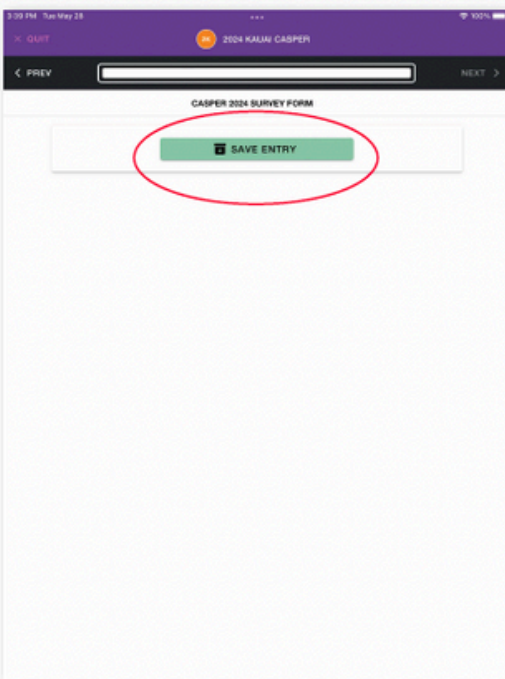


Survey Tip

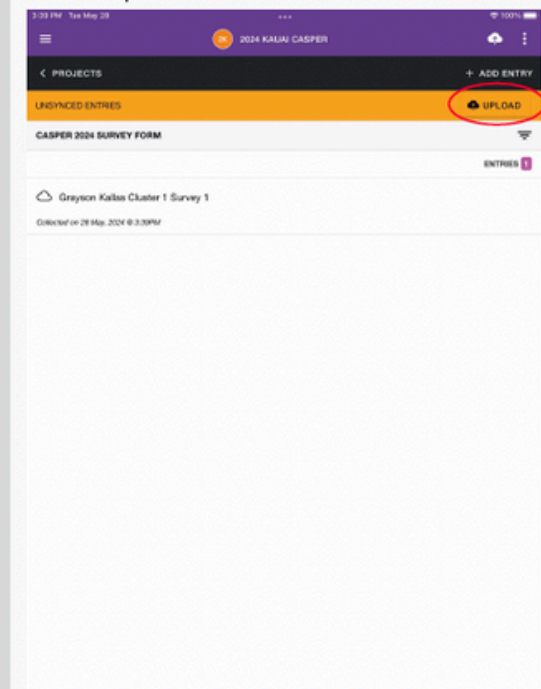
To save and return later (if survey is interrupted), click "Quit" and "Save."



5 When the questionnaire is complete, click "Save entry."



6 To upload data (upon return to OPS), click "Upload now."



APPENDIX J

The following items were included in drawstring backpacks that were provided to participating households...

- Handcrank emergency radio
- Kitchen magnet with list of emergency supplies
- Waterproof bag for storage of important documents
- Educational materials:
 - HDOH Take 10 Brochure
 - CDC Measles Infographic
 - Updated Respiratory Guidance
 - Kaua'i Mental Health Resources
 - Health Related Impacts of Climate Change
 - Kaua'i Tsunami Evacuation Zones
 - Flier on free medical clinics in June referred to as Tropic Care
 - CASPER 2023 Infographic

