January 25, 2023

Bay Area Supply Chain Resilience Seminar Series

Vulnerable Populations, Non-Traditional, Pharmaceutical and Non-Human Commodity Flows

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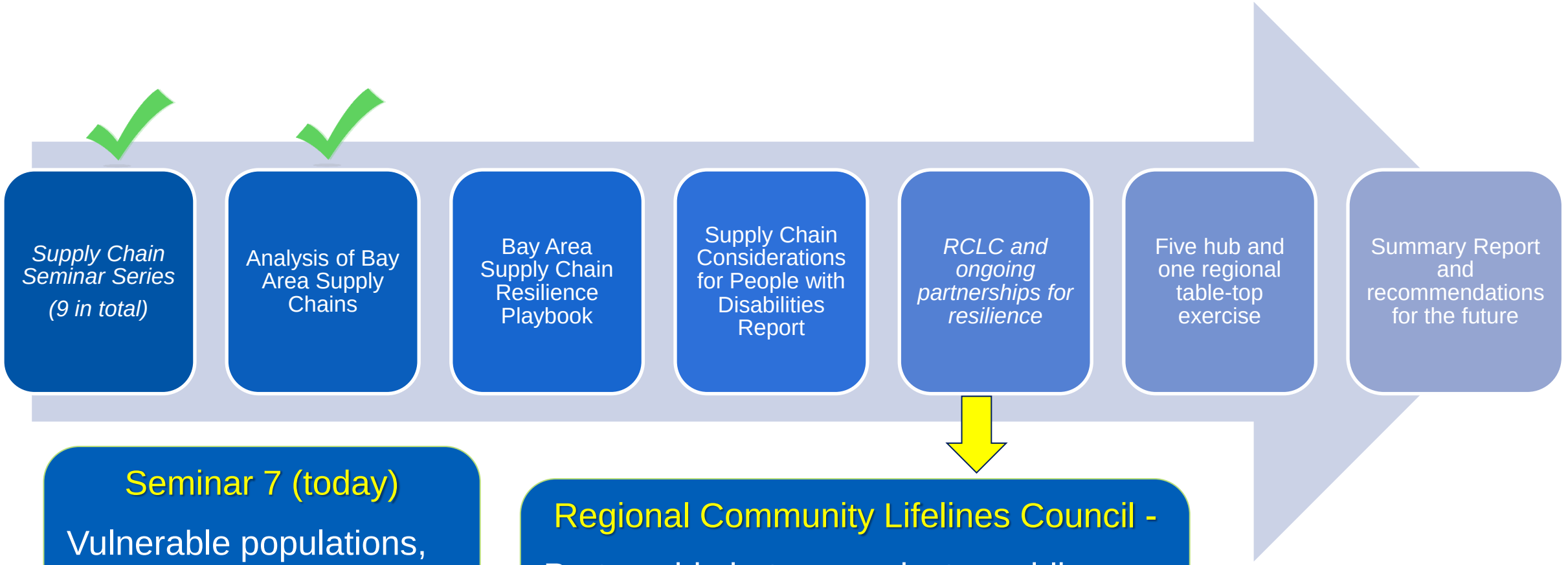
http://www.bayareauasi.org/sites/default/files/resources/Bay%20Area%20UASI%20FY2019-2019%20Annual%20Report%20Website.pdf

Regional Catastrophic Preparedness Grant Program (RCPGP)

- The purpose of the Bay Area's RCPGP Supply Chain Resilience project is to:
  - Improve public/private partnership coordination capabilities for disaster response by enabling the private sector to reconstitute supply chains as rapidly as possible following a disaster.
  - Reduce the impacts of supply chain disruptions on vulnerable populations through the development of guidance and materials to support critical path decision-making and awareness of how people with disabilities in the Bay Area access groceries and food.

What will the Bay Area RCPGP Supply Chain Resilience Grant Produce



Seminar 7 (today)

Vulnerable populations, non-traditional supply chains

Regional Community Lifelines Council -

Partnership between private, public, NGO/VOAD sectors. Form, format TBD. How to make it useful, sustainable?

Regional Community Lifelines Council

- Develop and improve public/private collaboration for disaster preparedness across the Bay Area region.
- Understand inter-dependencies to enhance lifeline planning, restoration, and reconstruction.
- Develop regional plans and procedures for lifeline restoration and recovery following a major disaster event in the Bay Area.
- Share information about recovery plans, projects and priorities.

Introductions and Logistics

Introduce Yourself <u>in the Chat</u>:

- Name and Jurisdiction/Agency (Organization)

Discussion Logistics

- Please ensure you're muted during presentations, but you can unmute during discussion sections
  - *6 to mute/unmute on phone
- Please raise your hand to ask a clarification question at any time
  - *9 to raise and lower hand on phone
- Use the chat to comment or ask questions at any point during the presentation.

Seminar 7 – Agenda

Quick Recap

Module 1 – Food

- Maria Houlne
- Barbara Gehlen

Module 2 – Animals

- Nancy McKenney
- Denise Bash

Module 3 – Healthcare

- Courtney Romolt

Learning objectives

- **Know your region's flows –** How does food flow through food banks? How does food make it to animals? How do medical and pharmaceutical supplies make it to patients?

- **Know your key players –** Who are the major players in the food bank / animal / medical and pharmaceutical sectors? Where do they fit in the supply chain?

- **Know what you can do -**What can you do to help restore, augment, or support supply chains and meet vulnerable population / medical / animal needs?

This seminar will expand upon vulnerable populations and explore non-traditional supply chain products, flows, and impacts of disasters on flows. It will include discussion on public programs, supply chains serving non-humans, and pharmaceutical supply chains.

Review – Seminars 1 - 6

Prior seminars you were invited to:

Seminar 1: **Supply chain fundamentals**

Seminar 2: **Supply chain fundamentals – part 2**

Seminar 5: **Supply chains during disasters**

Seminar 6: **Bay Area Commodity Flows Summary**

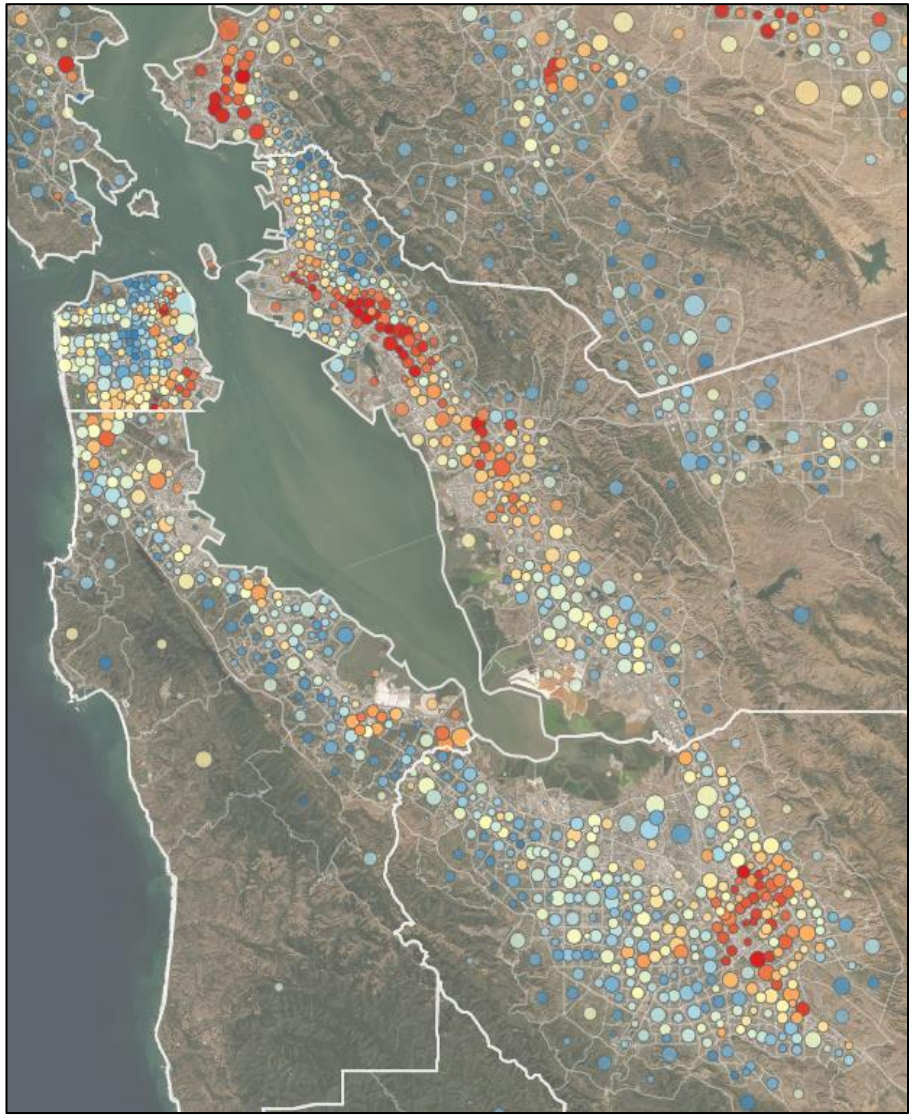
Preliminary analysis validations with private (and water) sector partners:

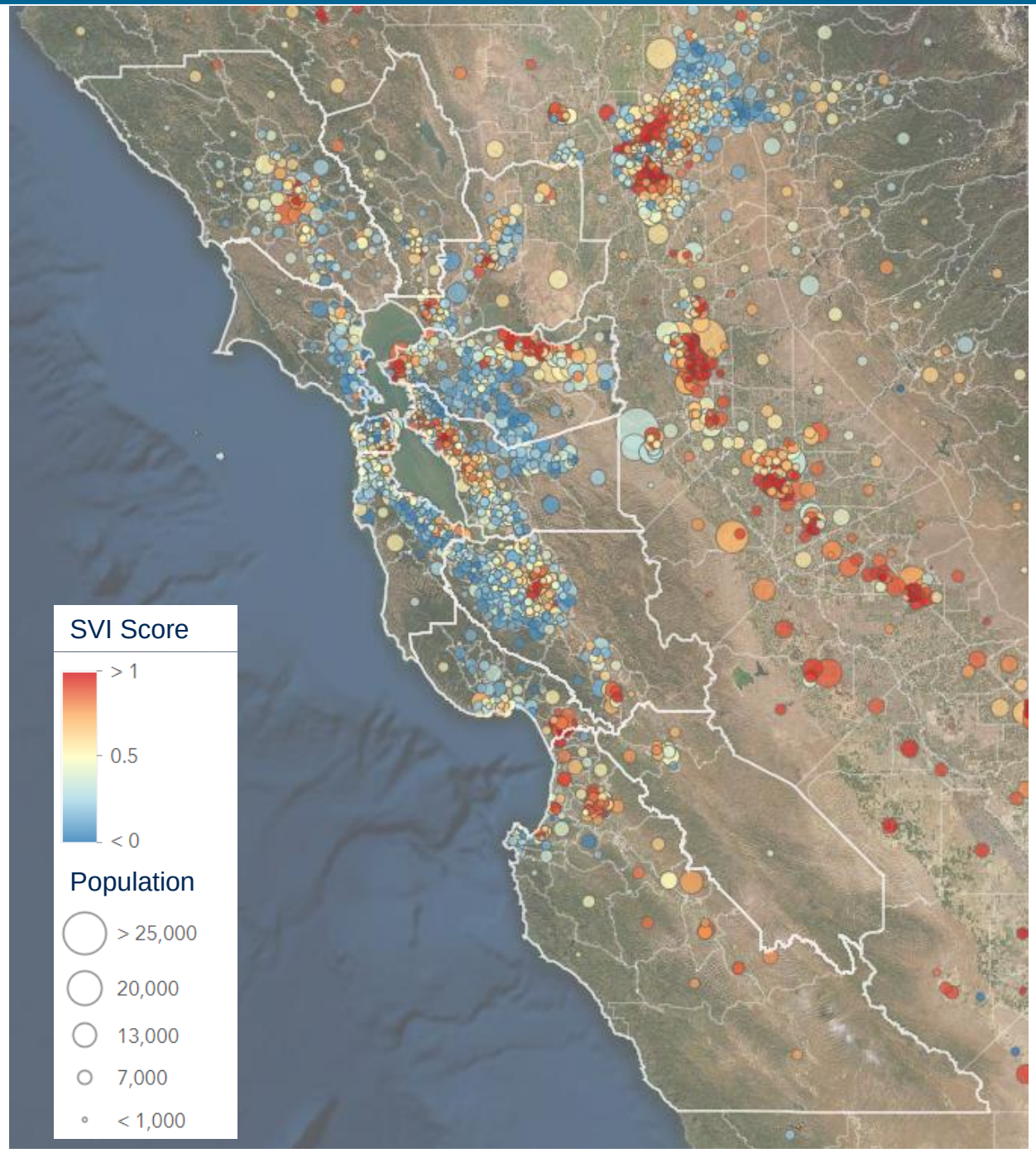
Seminar 3: **Bay Area Commodity Flows: Food**

Seminar 4: **Bay Area Commodity Flows: Water**

Seminar 7: **Vulnerable Populations, Non-Traditional, Pharmaceutical and Non-Human Commodity Flows**

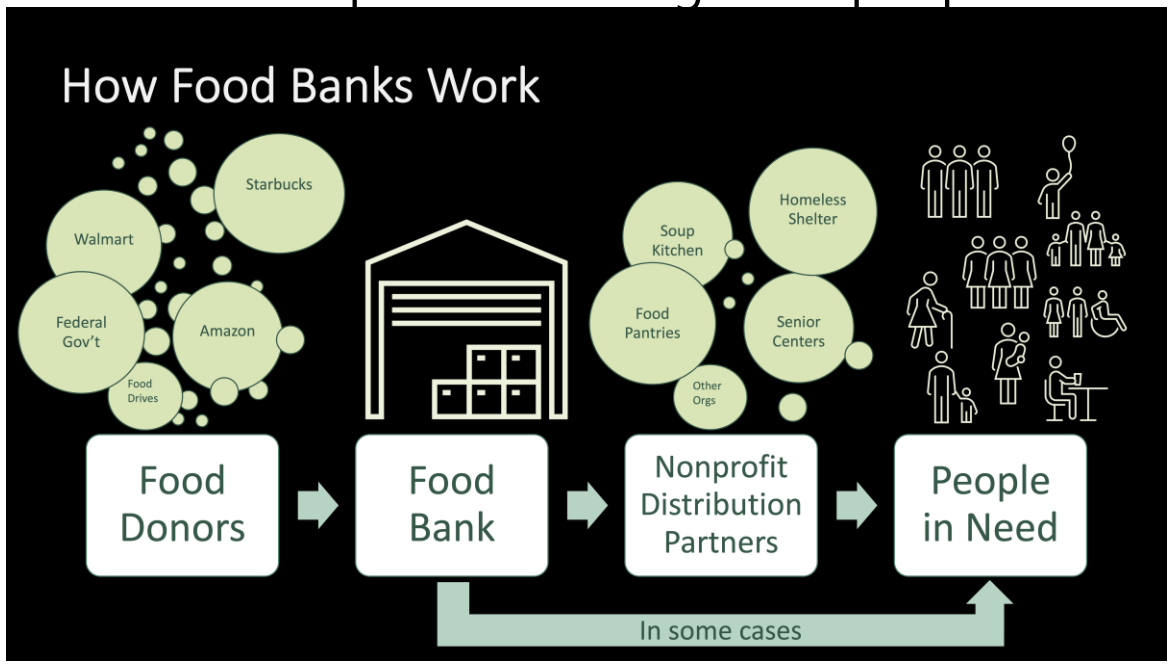
CDC Social Vulnerability Index (SVI)

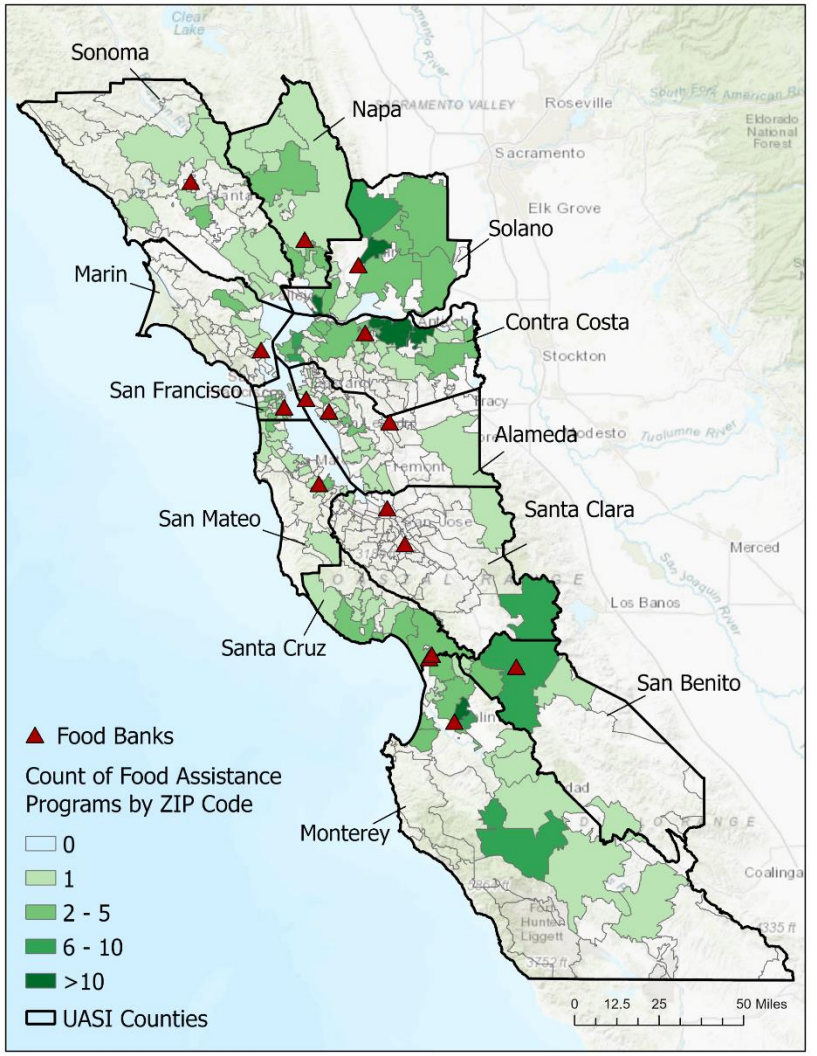




Other Food Flows – Food Banks and Food Assistance

- Some of the most vulnerable users obtain a significant portion outside of normal retail channels
- Food Banks aggregate food from many sources (corporate donations, food producers, government programs, and purchases) and distribute to food assistance partners who give to people in need.

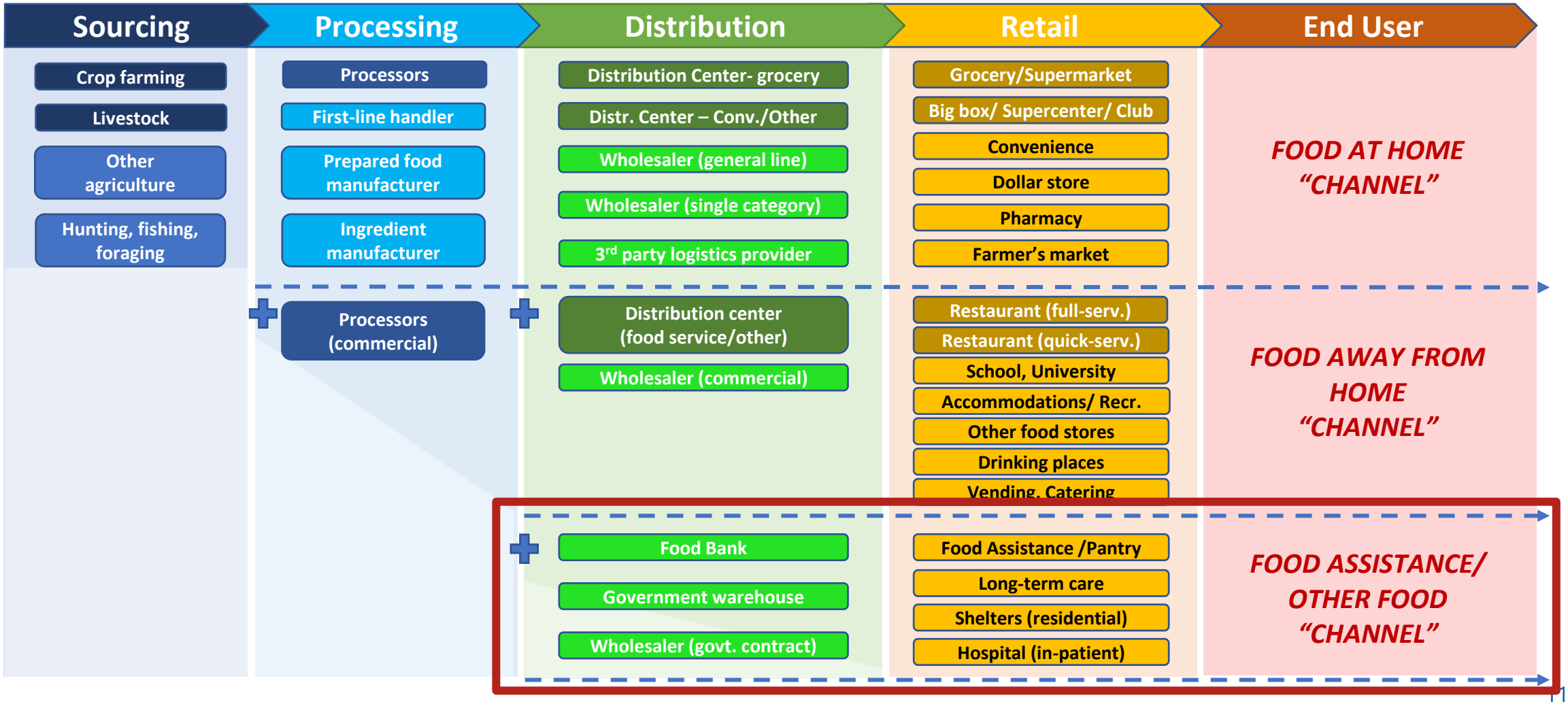




Data Sources: LA Controller - Food Resources in California (2020)

Lifeline Overview – Food and Agriculture

- Supply chain stages, channels, and node types



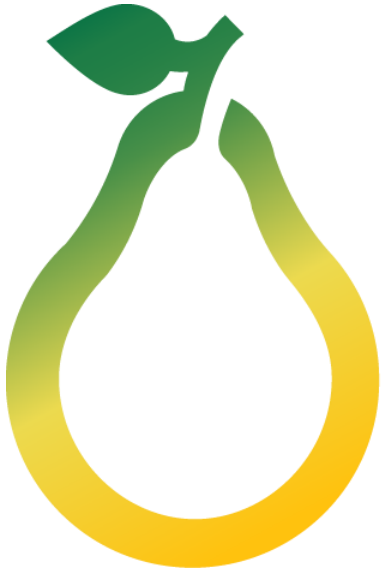
MODULE I

Non-Traditional Supply Chains: Food

Speakers

Maria Houlne
Director Farm to Family
California Association of Food Banks

Barbara Gehlen
Director of Food Sourcing
Second Harvest of Silicon Valley



CALIFORNIA ASSOCIATION OF FOOD BANKS

Maria Houlne

Director, Farm to Family Program

CALIFORNIA ASSOCIATION OF FOOD BANKS

- 41 Member Food Bank
- Based in Oakland, CA
- Programs include Farm to Family, Cal Fresh (SNAP) Outreach, Public Policy, Crisis Response and Special Initiatives
- Farm to Family started at San Francisco Food Bank in 2005
- Farm to Family distributed over 212M lbs of Fresh Produce last year
- Worked with over 240 farmers

Farm to Family

CALIFORNIA ASSOCIATION OF FOOD BANKS

Farm to Family

CALIFORNIA ASSOCIATION OF FOOD BANKS

212M lbs.

PRODUCE

Oranges

Squash

Potatoes

Onions

10M lbs.

PROTEIN & PANTRY

Eggs

Milk

Rice

Pasta

240 farmers, packers & distributors

CALIFORNIA ASSOCIATION OF FOOD BANKS

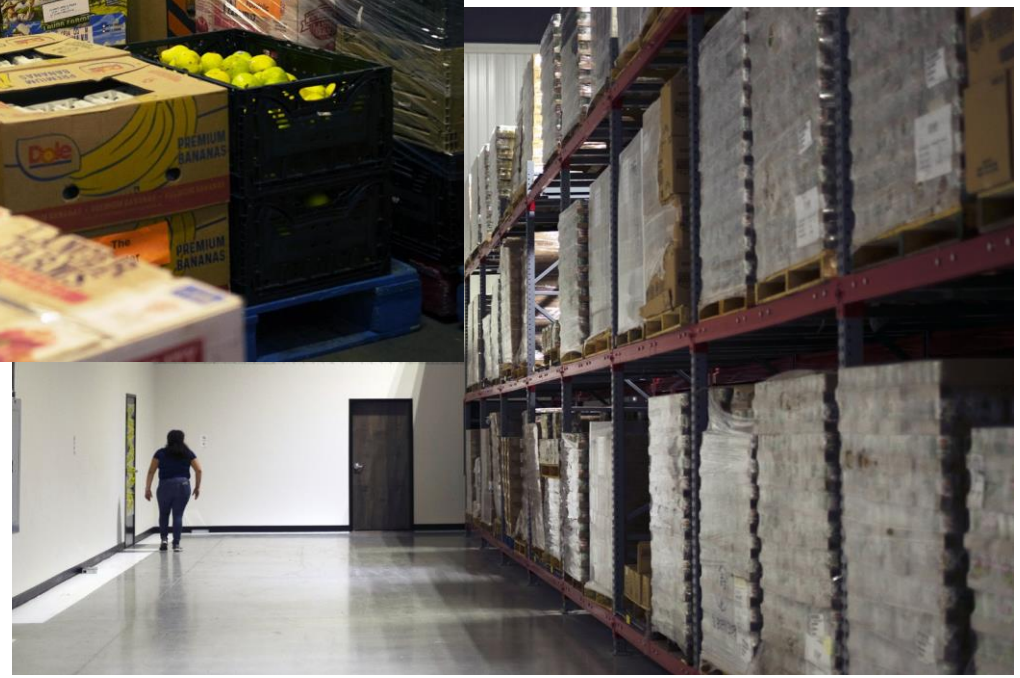
Access Organics	A.V. Thomas Produce	Bengard Ranch, Inc.	Miramonte Farms & Nursery	Ocean Mist Farms
J&J Snack Foods Corp of CA	LA Foods	M. Caratan, Inc. dba Columbine Vineyards	Booth Ranches	Cabot Packing
Adam Brothers Produce Sales Inc.	Awe Sum Organics	Big E Produce, Inc.	Monterey Mushroom	Okanagan Specialty Fruits, Inc
Keystone Fruit & Vegetable Co., Inc.	Laguna Produce Sales	Mann Packing Company, Inc.	Boskovich Farms	California Food Trading
All State Organics	B & P Packing Company	Billingsley Produce Sales, Inc.	Morada Produce	Olivera Egg Ranch, LLC
Kings River Packing	Lake Glenn Farms	Manna Foods, Inc	Brandt Farms, Inc.	California Healthy Harvest
Altar Produce	Beachside Produce	Blue Jack Farms	Mulholland Citrus Packing	Onions ETC
Kirschenman Enterprises	Lakeside Organic Gardens	Martori Farms	Bridges Produce, Inc.	California Potato Sales
Andrew & Williamson Fresh Produce	Bee Sweet Citrus	Boavista Farms	Neil Bassetti Farms LLC	Oswalt Produce
L & M Companies	Legend Produce, LLC	Mazzei-Franconi Co., LLC	Brothers Ranch	Central West Produce
	Bella Vista Produce	Bonita Packing Co., Inc.	North Coast Growers' Association	P & J Estes, Inc.
	Lundberg Family Farms		C&E Farms, Inc	Challenge Dairy Products, Inc

Full list: cafoodbanks.org/food-donors

How Food Banks Stay Stocked

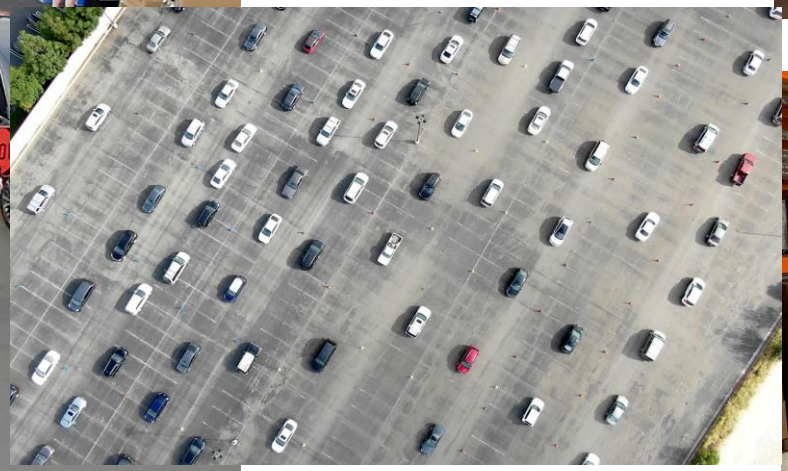
CALIFORNIA ASSOCIATION OF FOOD BANKS

- CAFB
- Government
- Donations
- Purchase



Food Banks Respond

CALIFORNIA ASSOCIATION OF FOOD BANKS



Emergency Food Boxes

CALIFORNIA ASSOCIATION OF FOOD BANKS

April 2020 – Apr. 2021

- $75M purchase
- +2 Million Boxes = 50,000,00 lbs
- Shelf Stable items
- Diapers, PPE

State Disaster Food Assistance Program

CALIFORNIA ASSOCIATION OF FOOD BANKS

- Fall of 2020
- $333,000 purchase
- 16 trucks = 640,00,000 lbs
- Shelf-Stable items
- Fire/Drought Relief
- 8 Food Bank communities

Emergency CalFresh (D-SNAP)

People already receiving SNAP benefits

- Can get their benefits replaced if they lost food due to the disaster (e.g., power outage, flooding, evacuation).
- If there is a D-SNAP authorization, they can also get a supplemental benefits so there is parity between SNAP and D-SNAP recipients.

D-SNAP can be authorized by the federal government with a Presidential Major Disaster Declaration for Individual Assistance.

- D-SNAP is generally for people who are not eligible for CalFresh (people who make too much money to qualify, for example), who lived/worked in the impacted county, and had disaster-related expenses.
- D-SNAP is not implemented until the grocery stores are back in operation, and it is safe for people to be back in the impacted community.

CalFresh EA's for Covid Response

CALIFORNIA ASSOCIATION OF FOOD BANKS

- Estimated to end in March 2023
- In California, we are going to lose $500M per month in CalFresh benefits when Emergency Allotments end in February – it is going to create a massive gap in food resources and people are going to turn to food banks.
- The average household of one will lose $132 per month in benefits. 15% of households will lose $258 per month.
- The average household of 3 will lose $197 per month in benefits. 18% of households will lose an average of $441 per month.
- ALL households will lose AT LEAST $95 per month in benefits.

Feeding America

CALIFORNIA ASSOCIATION OF FOOD BANKS

- Emergency supply staged at Food Bank of Contra Costa Solano Counties in Fairfield, CA
- Water, MREs, shelf-stable foods, hand held snacks, etc.
- Collective response from all CA food banks to send needed product to areas most needed
- National Media and support

SECOND HARVEST of SILICON VALLEY

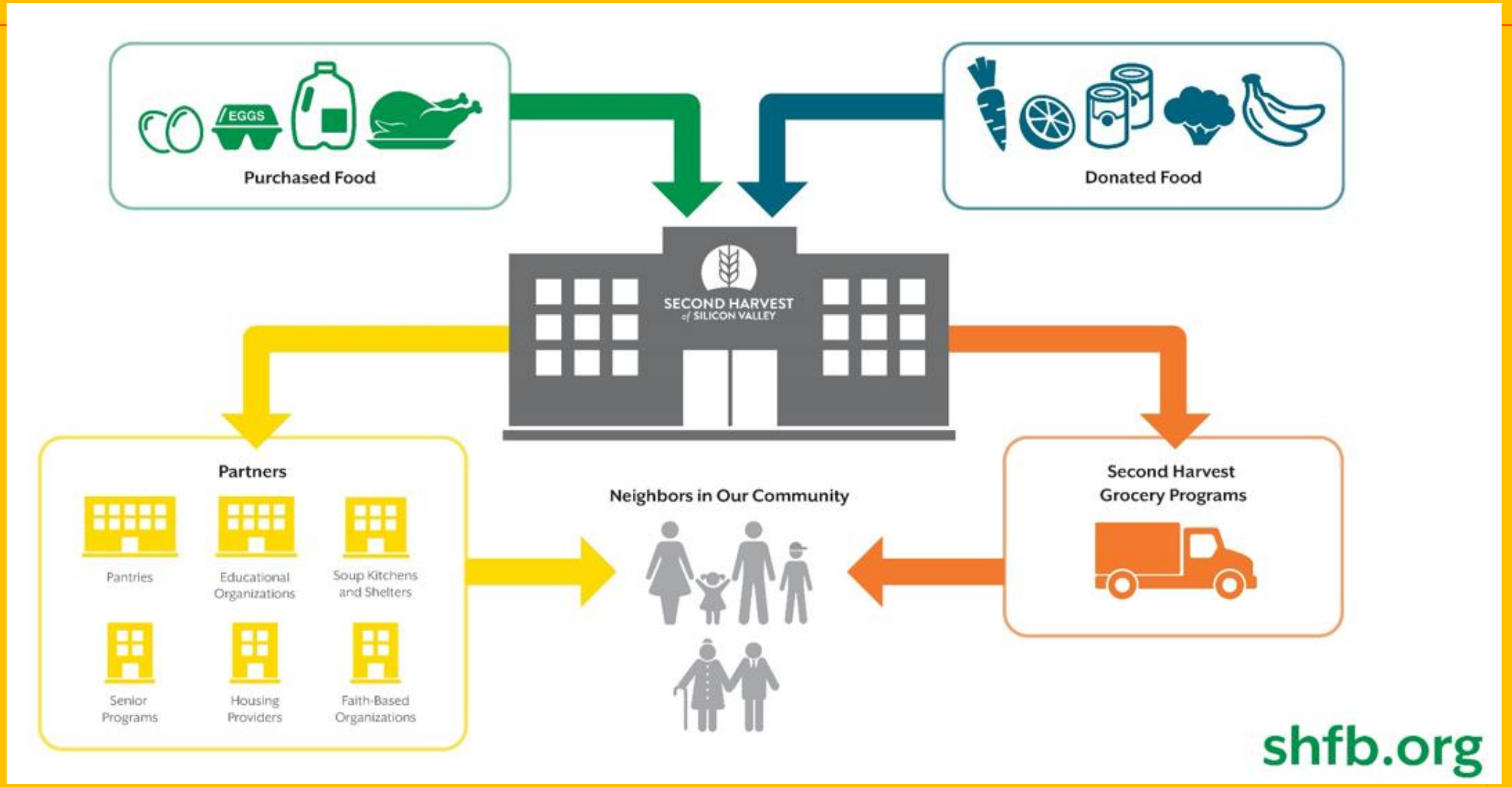
Non-Traditional Food Flows Supply Chain Resiliency

1/25/23

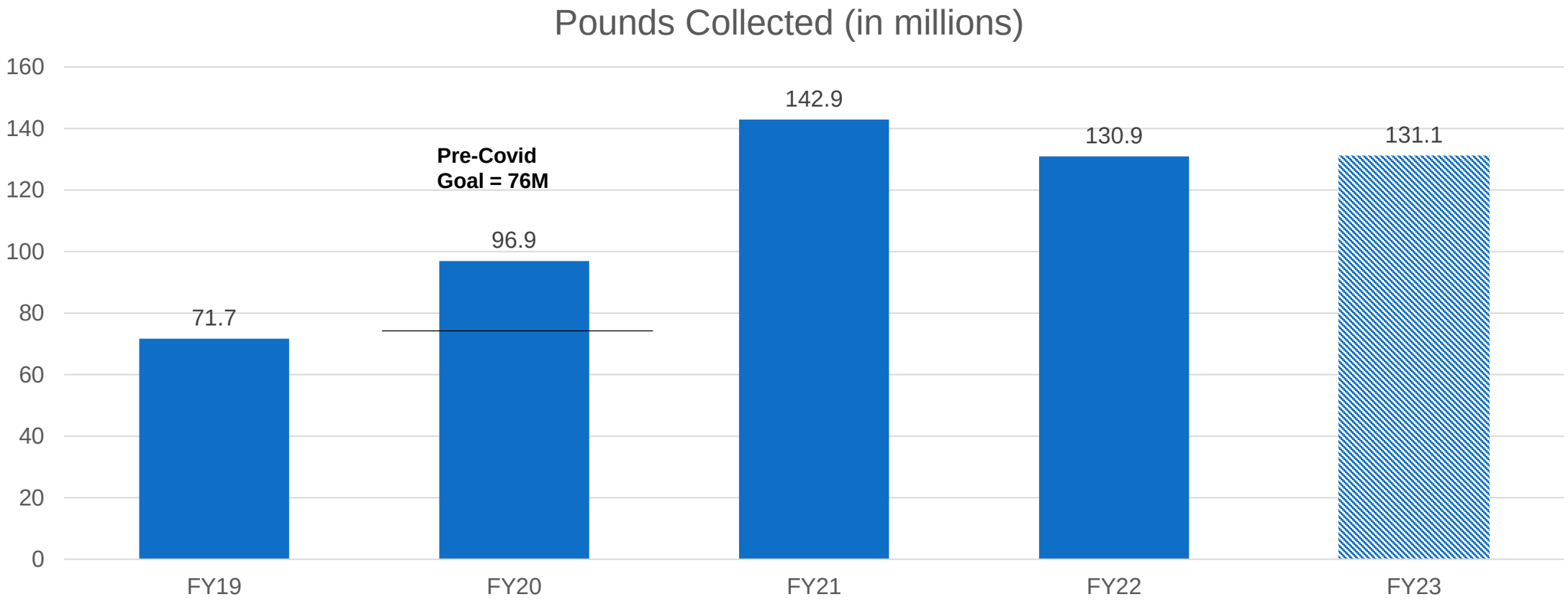
Who We Are

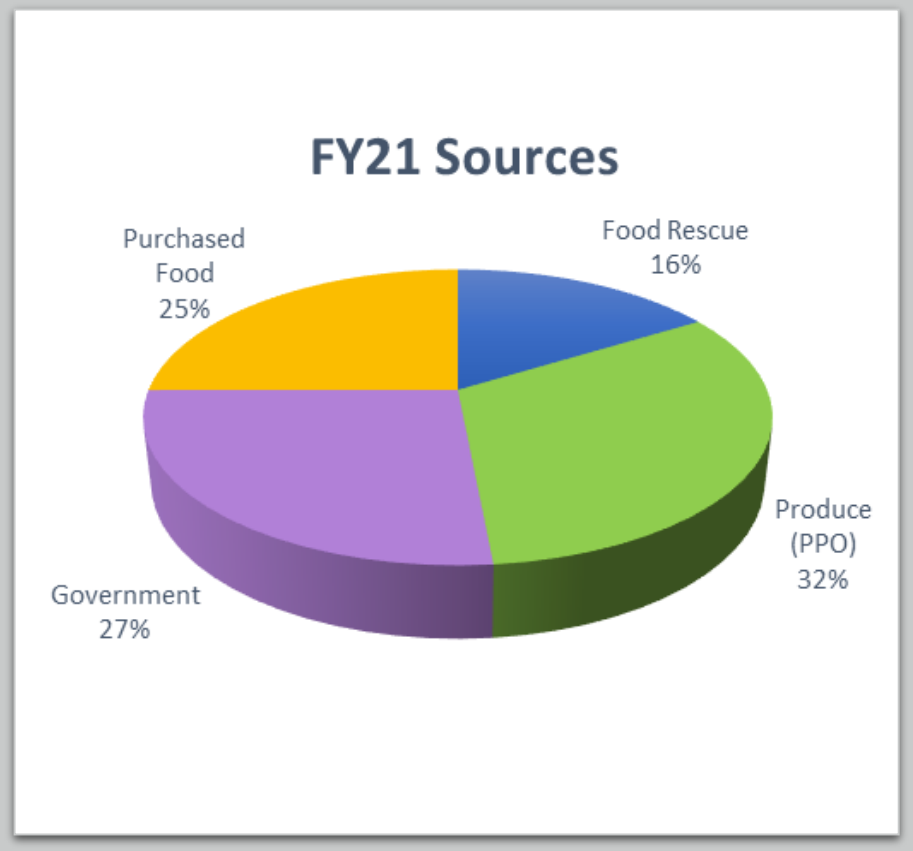
- One of the largest food banks in the nation serving Santa Clara and San Mateo counties (from Daly City to Coastside to Gilroy)
- Average of 450,000 people served every month, 80% increase over pre-pandemic levels.
- Second Harvest distributes food through 400 partners at more than 900 sites.

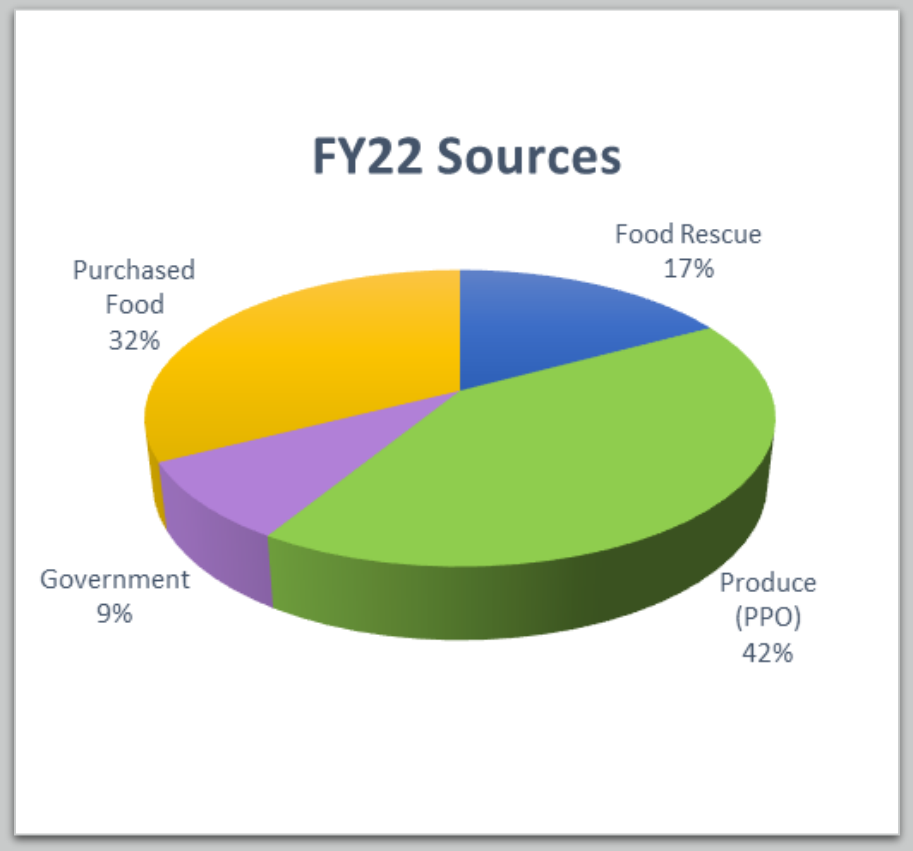
How We Work


EGGS
Purchased Food
Donated Food
SECOND HARVEST
of SILICON VALLEY
Partners
Pantries
Educational Organizations
Soup Kitchens and Shelters
Senior Programs
Housing Providers
Faith-Based Organizations
Neighbors in Our Community
Second Harvest Grocery Programs
shfb.org

Product Collection & COVID19







Sourcing Channels

FY21 vs FY22

Addressing Supply Chain Disruptions - Sourcing Strategies

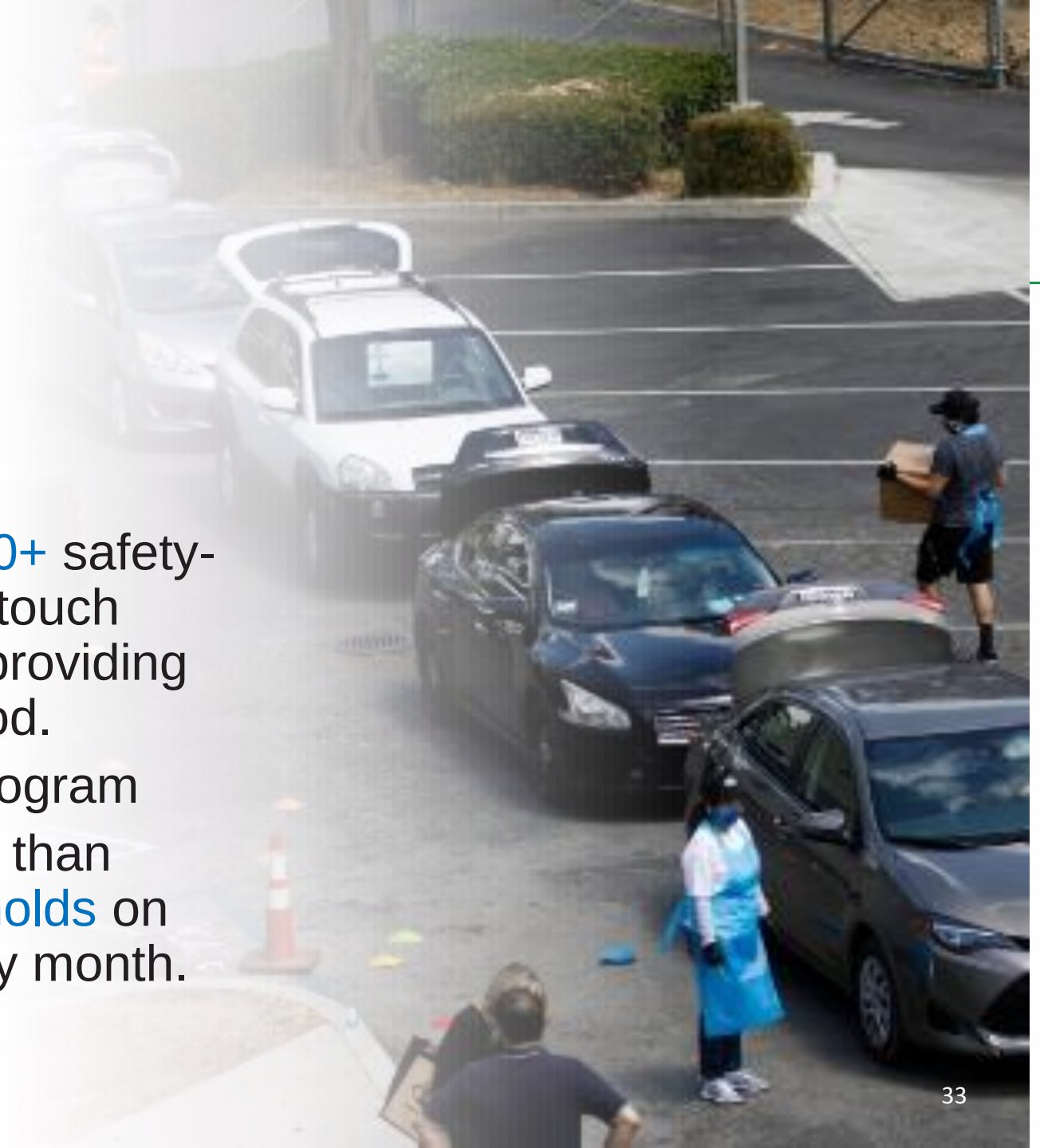
- Multi-sourcing
- New vendors
- Inventory buffer
- Diversify food offerings

Addressing Supply Chain Disruptions - Operations

- Rapid response to warehouse & safety supplies and equipment: boxes, tape, portable roller lines, cleaning products and PPE’s.
- Warehouse capacity added.
- Staff deployment and hiring practice.

New Distribution Methods

- Drive-thru
  - Launched 130+ safety-focused, low-touch distributions providing pre-boxed food.
- Home delivery program
  - Serving more than 4,900 households on average every month.



Module I: Discussion

- Raise your hand to ask a question

  - *9 to raise and lower hand on the phone

MODULE II

Non-Traditional Supply Chains: Animal

Speakers

Nancy McKenney
CEO/President
Marin Humane

Denise Bash
VP, Pet Programs (Disaster)
Greater Good

Supplies/Resource Requests for Animals During Disasters

Nancy McKenney, MNPL, CAWA
CalAnimals Board Member &
Chair, Emergency Management Committee

Bay Area Urban Area Security Initiative (USAI)

January 25, 2023

CalAnimals
Since 1909

About CalAnimals

- Membership: 240 municipal and nonprofit shelters, animal control agencies, nonprofit affiliate organizations and industry partners.
- CalAnimals Google Group: About 600 animal welfare professionals actively exchanging information on a myriad of topics related to our industry.
- CA Shelter Vets Google Group: 140 shelter veterinarians actively exchanging information
- CalAnimals Database: About 2,300 animal welfare professionals receiving regular communication about upcoming training opportunities, and when applicable, matters related to legislation.

CalAnimals
Since 1909

CalAnimals Emergency Management Committee Formed to:

1. Be a central point (a hub);
2. Ensure our members have access to disaster training and protocols; and
3. Strengthen the role at the state level and increase awareness about the importance of our professional Animal Services and Humane Officer.

CalAnimals
Since 1909

Our activities in advance of disasters:

- Webinars and workshops offered
- Webpages devoted to disaster planning and response
- Monthly committee meetings
- Jt Task Force came together to explore improved resource typing standards in CA
- Committee members are part of CCC (CA CART Collaborative) meetings and planning
- Committee members are on a working group formed by CDFA and CalOES
- Monitoring legislation
- Reviewing guidelines, and more!

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Since 1909

ORGANIZATIONAL DISASTER PREPAREDNESS CHECKLIST

Prepared by the CalAnimals Emergency Management Committee

March 2021

Sponsored by:

Hill's
food • shelter • love

Committee's Concerns for 2022-2023:

- The system for requesting resources through **EMMA and LEMA** -- needs improvement and access
- Deploying **trained and qualified staff from CARTS, Animal Services and Humane Societies** – has to be more a priority
- **Resource typing and standards**
- Providing **veterinary services,** although important in a disaster response, is **not the majority** of our response activities and needs
- Need better and faster requests and approval for **trained animal response teams**, including veterinarians, **from nearby states**
- **Domestic animal** response and issues seem to be **vs.** agricultural and large animal needs, experience and oversight
- More human shelters need to offer **cohabitation** sites for evacuees with their companion animals
- **Data gaps** -- how to encourage officials to report out key animal stats in briefings

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During Disasters, CalAnimals:

- Monitors EMMA and LEMMA requests
- Holds regular briefings with shelter or agency directors coordinating response
- Acts as a liaison
- Informs members and other organizations
- Helps connect funders
- Provides real time information
- Offers a team of experienced support and leadership

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Animal Supply & Food Chain

- Same as the human flow and channels
- 100++ pet food manufacturing plants
  - Colgate-Palmolive, General Mills, Mars, Nestle Purina, JM Smucker and more
- Retail (including private veterinary clinics and hospitals)

  PetSmart, Petco, Costco, Pet Food Express (CA only), Woodlands Pet
- Animal shelter feeding programs (Hill's, Purina, local pet supply store purchases or random supply – whatever is donated)

*Like for humans, some animals require **special diets** (some by prescription only) and all do better if fed **higher quality** pet food, versus generic brands.*

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Main Types of Animal Resource Requests

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For More Information:

Contact the Director of your county's/city's **Animal Services** agency first!

Review suggestions and resources from **CDFA's CARES** Program on website:

https://www.cdfa.ca.gov/AHFSS/Animal_Health/eprs/cares/animal_shelter.html

If needed or unsure...contact **CalAnimals**:

https://www.calanimals.org/_files/ugd/b7420a_ee199029a6a0434cb5c82b084afcb002.pdf

Check your County documents. Here is a sample annex county plan:

https://emergency.marincounty.org/pages/oes#docs

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Additional Points

- Messages about *not* donating just as important for PIOs and local animal responder lead agency to get out
- Keep in mind the variety of Animal Services providers in your service area
- Animal Services may need to request outside “traditional” chains. For example, seeking support to come in from Greater Good Charities, ASPCA, Code3, Humane Society of the United States, or trained animal response teams from other states, vs. using local untrained volunteers or offered resources.

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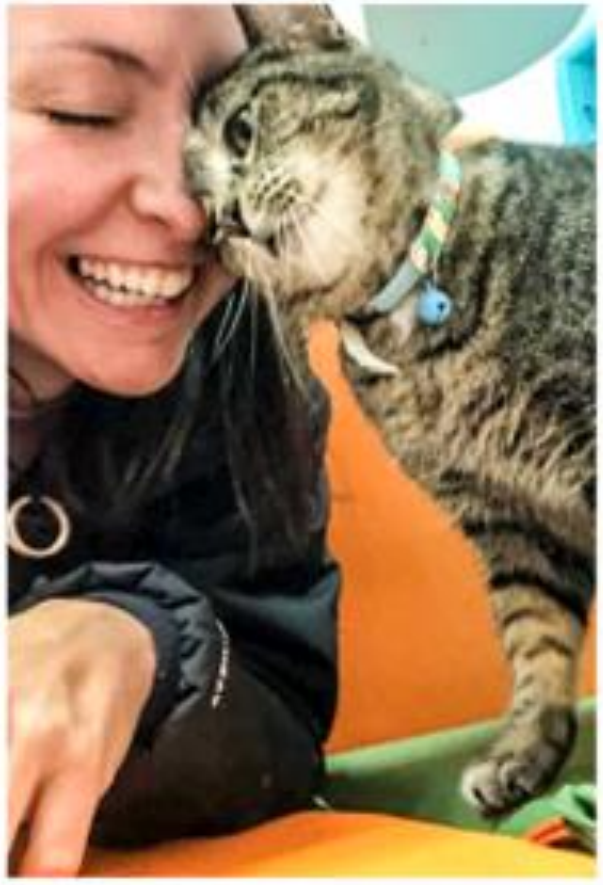
Since 1909

GREATER GOOD CHARITIES



DISASTER RELIEF

Greater Good Charities approaches disaster response in three complementary ways: thinking ahead and preparing communities for imminent natural disasters: responding during disasters by helping on the ground with supplies and relief work: and boosting recovery by directly aiding people and pets and helping to rebuild infrastructure.

We anticipate natural disasters such as summer wildfires, hurricane season, and seasonal flooding. We build disaster “caches” of commonly needed human and pet supplies and food in these disaster-prone areas ahead of need. This allows relief to come immediately, or within days, rather than weeks.

IMPACT

$76 MILLION + IN DISASTER RELIEF SUPPORT

26 COUNTRIES IMPACTED

2 BILLION BEES HELPED

1 MILLION + ANIMALS DIRECTLY HELPED

700,000 PEOPLE DIRECTLY HELPED

GREATER GOOD CHARITIES

GOODS PROGRAM

The GOODS Program sources and manages excess, re-branded, and short-dated food and supplies from donors including manufacturers, distributors, and retailers.

The GOODS Program then makes these products available to qualified and approved distribution groups (Ambassadors) who ensure they reach the organizations that need them (Recipients).

GOODS uses a sustainable hub-and-spoke model—the goods are donated, and freight, warehouse, and program costs are met by handling fees and donations. **For every dollar of freight charges 60 dollars worth of food is delivered.**

IMPACT

- 3.5 MILLION + DOSES OF PET PHARMACEUTICALS
- 10,000 + RECIPIENT ORGANIZATIONS
- 578 MILLION+ MEALS FOR PETS IN NEED
- $365 MILLION+ OF ESSENTIAL SUPPLIES

GREATER GOOD CHARITIES

GOOD FLIGHTS

Good Flights conducts life-saving airlifts and supports ground transport for at-risk and vulnerable pet populations with a heavy focus on asymptomatic heartworm positive shelter dogs, disaster relief, homeless cats, and harder to place large dogs.

Good Flights is staffed with trained and seasoned animal welfare transport professionals who adhere to best practices in pet transport.

IMPACT

7,876 PETS TRANSPORTED

800 HEARTWORM POSITIVE DOGS TRANSPORTED

125,000 MILES COVERED DURING TRANSPORTS

GREATER GOOD CHARITIES

All shelter pets transported via Good Flights are done so in compliance with the USDA interstate regulations

PROJECT PERIL- BEE RESPONSE

- **In response to the crisis caused by Hurricane Ian, GGC lead an effort to help prevent the starving of 1.6 billion bees in Florida**
- 3 distribution events took place over a 3-week period – Arcadia, Fort Myers, & Winter Haven
  - 508,800 pounds of syrup was provided
- More than 96,900 pounds of bee pollen substitute was distributed
  - This fed almost 1.7 billion Florida bees for 30 days

WHY ARE BEES SO IMPORTANT?

•Honeybees are responsible for pollinating food for human consumption, yet their mortality rate steadily increases, causing concern.
•Bees are responsible for pollinating 75 percent of the world's flowering plants and 35 percent of the world's crops. Without bees, the availability and diversity of fresh produce would substantially decline, and human nutrition would likely suffer. Also, bees are vital to our ecosystem; without bees, the food chain would deteriorate. Research shows that over 100,000 species of plants would become extinct if the pollinating function of bees was to cease
•One out of every three bites of food in the United States depends on honeybees and other pollinators. (USDA Natural Resource
• Conservation Service).
•Honeybees, for instance, pollinate $15 billion (about $46 per person in the US) worth of crops each year, including more than 130 fruits and vegetables.

GREATER GOOD CHARITIES

GOOD PACKS

Good Packs helps keep people and their pets together during the deepest moments of crisis and ensures the emotional support of the human-animal bond can continue.

Every night, thousands of homeless people forgo shelter due to a shortage of pet-friendly spaces. Good Packs aims to help these people and their pets with necessary supplies and support.

Each Good Pack is a self-support kit containing basic survival supplies for homeless—or imminently homeless—people and their pets.

WE SERVE:

Vulnerable veterans • People fleeing domestic violence
People experiencing homelessness • People and pets affected by natural disasters.

IMPACT

30,364 GOOD PACKS DISTRIBUTED

18,252 PUP POUCHES DISTRIBUTED

2,846 PURR POUCHES DISTRIBUTED

4,975 DISASTER POUCHES DISTRIBUTED

GREATER GOOD CHARITIES

Module II: Discussion

- Raise your hand to ask a question

  - *9 to raise and lower hand on the phone

MODULE III

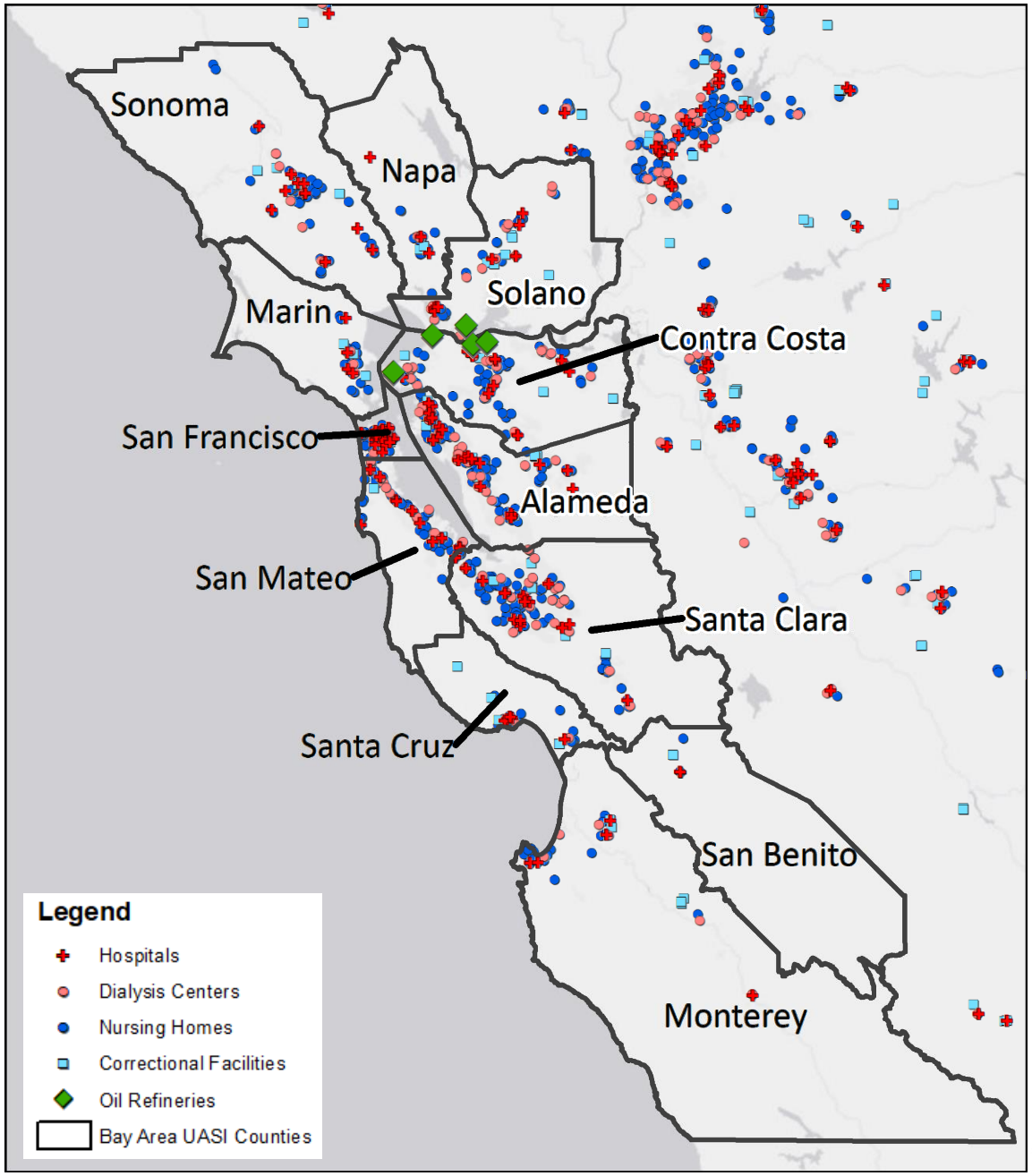
Healthcare Supply Chains

Critical End Users (map)

Health
- **Hospitals**
- **Dialysis Centers**
- Outpatient centers
- Health Centers/Clinics

Group Quarters
- **Nursing homes,** LTCFs, ICFs, hospice
- **Correctional**
- Dormitories
- Shelters

Industrial, Other CI
- **Refineries**, terminals
- Generating units
- Data centers
- Transportation hubs Others



Source: HIFLD, EIA, RxOpen

Speaker

Courtney Romolt
Senior Programs Manager
Healthcare Ready

HEALTHCARE READY

STRENGTHEN. SAFEGUARD. RESPOND.

Healthcare Supply Chain Supporting Vulnerable Populations During Disasters

Bay Area UASI Presentation

January 2023

HealthcareReady.org

Agenda

- About Healthcare Ready
- Introduction to the Healthcare Supply Chain
- Supporting Vulnerable and Medically Fragile Populations
  - Considerations for emergency managers to enable health and medical response
- Healthcare Ready Resources

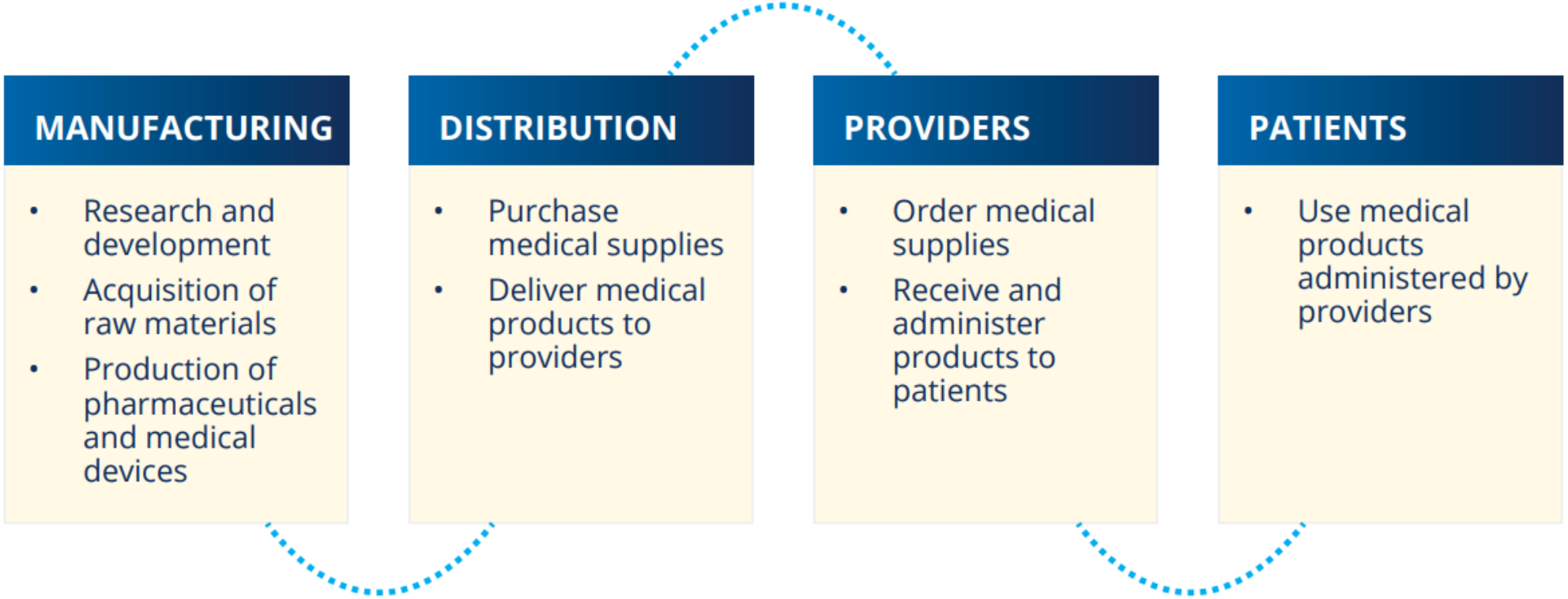
Who We Are

Healthcare Ready focuses on health preparedness and response, serving as a linkage point for the health sector and government partners at the federal, state, and local governments. Our goal is to facilitate the planning and response coordination that improves our ability to respond to threats that disrupt patient access to healthcare during crises.

HEALTHCARE READY
STRENGTHEN. SAFEGUARD. RESPOND.

Introduction to the Healthcare Supply Chain

Healthcare Supply Chain Flow



Healthcare Supply Chain Categories

Pharmaceuticals

- Includes antibiotics, vaccines, chronic disease medications
- Relatively more sensitive, high-value products
- Some products require temperature stability

Non-pharmaceutical products

- Includes pacemakers, personal protective equipment (PPE), durable medical equipment (DME)

Medical gases

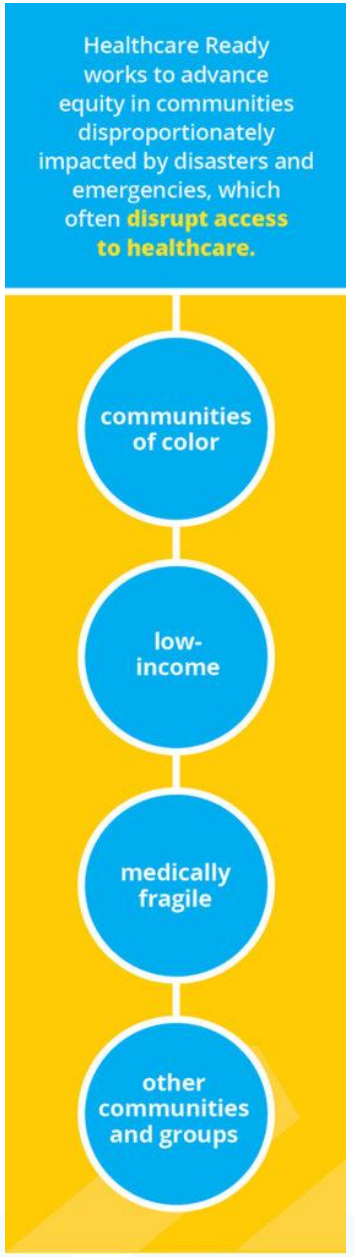
- Includes oxygen, carbon dioxide, helium
- Some products, like helium, are part of manufacturing process
- Cannisters transported under pressure

HEALTHCARE READY
STRENGTHEN. SAFEGUARD. RESPOND.

Supporting Vulnerable Populations

How We Define Equity

“Equity in emergency management requires that the many systems and structures related to health and emergency preparedness, response, and recovery **actively address the inequities and disparate outcomes experienced by specific groups**, including those defined by race, income, gender, sex, age, health/medical status, and geography.”



Centering Equity

Social vulnerability

- Socioeconomic status
- Housing
- Healthcare insurance
- Age

Medical fragility

- Chronic conditions
- Functional and access needs
- Disabilities
- Comorbidities

General Healthcare Considerations for Equity

Which communities are more likely to be isolated in a disaster? What healthcare facilities do they have access to?

Which facilities provide support to vulnerable populations?

Which facilities provide specialty care?

Where are medical shelters located?

Considerations to Support Common Medical Needs

Prescription dependent individuals

- Are pharmacies open?
- Can patients access pharmacies?
- Do patients have drinking water to take pills?
- Have patients evacuated and need Rx refills?

Dialysis patients

- Do dialysis centers have running water?
- Do dialysis centers have power?
- Can patients access dialysis centers?

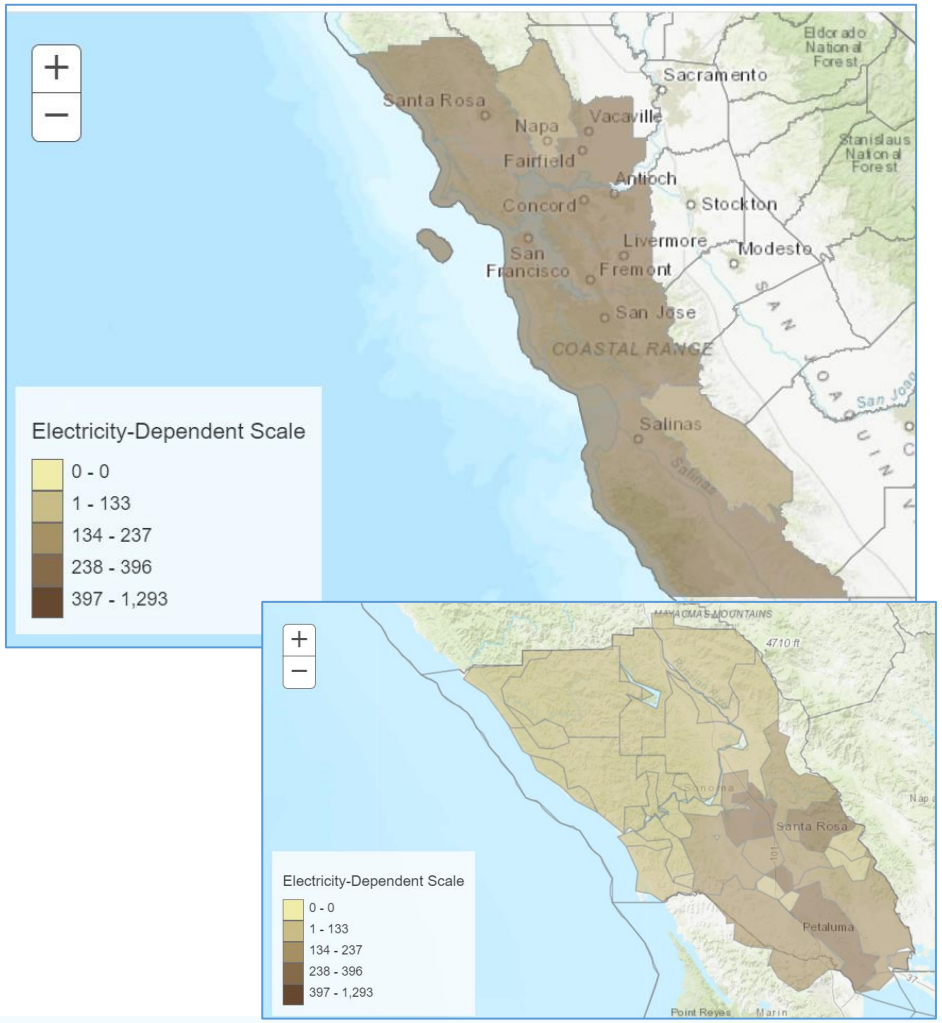
Diabetic patients

- Do they have power (refrigeration)?
- Do pharmacies have power?

Electricity-dependent individuals

- Do they have power?
- Do they have a generator, or access to a location (like a shelter) with power?
- Do they have backups to care (e.g., oxygen cannister)?

HHS emPOWER Map



States/Territories | Counties | ZIP Codes | Multi-Selected Geographies

Geographic Area	Beneficiaries	Electricity-Dependent Beneficiaries
San Mateo	129,690	3,154
Sonoma	111,399	3,148
Napa	30,285	884
Marin	60,740	1,314
Solano	84,313	3,060
Contra Costa	206,665	6,534
Alameda	255,770	7,301
San Francisco	150,903	3,290
Santa Clara	282,780	7,324
Santa Cruz	56,802	1,288
San Benito	9,528	269
Monterey	67,460	1,841

https://empowerprogram.hhs.gov/empowermap

Enabling Health and Medical Response

Facilitate supply chain function

Transportation regulatory exemptions

Restoration of other lifeline sectors

Access and re-entry

Healthcare licensure requirement waivers

Emergency prescription refill allowances

Facilitate patient care

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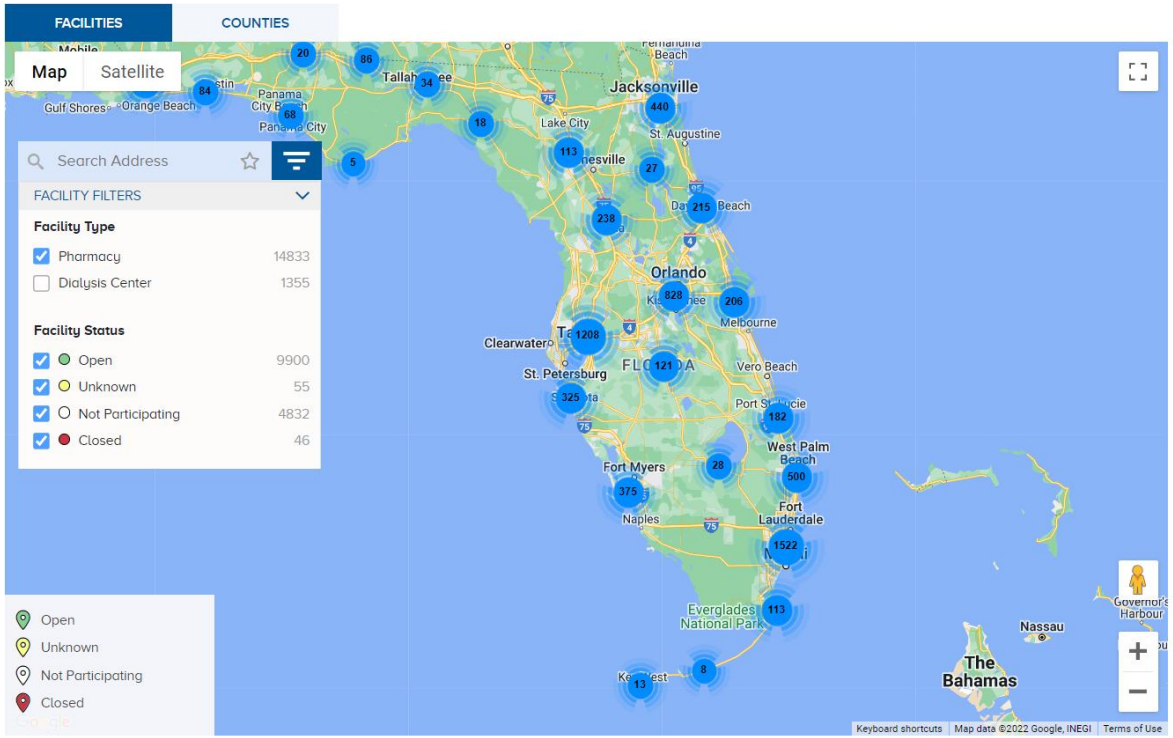
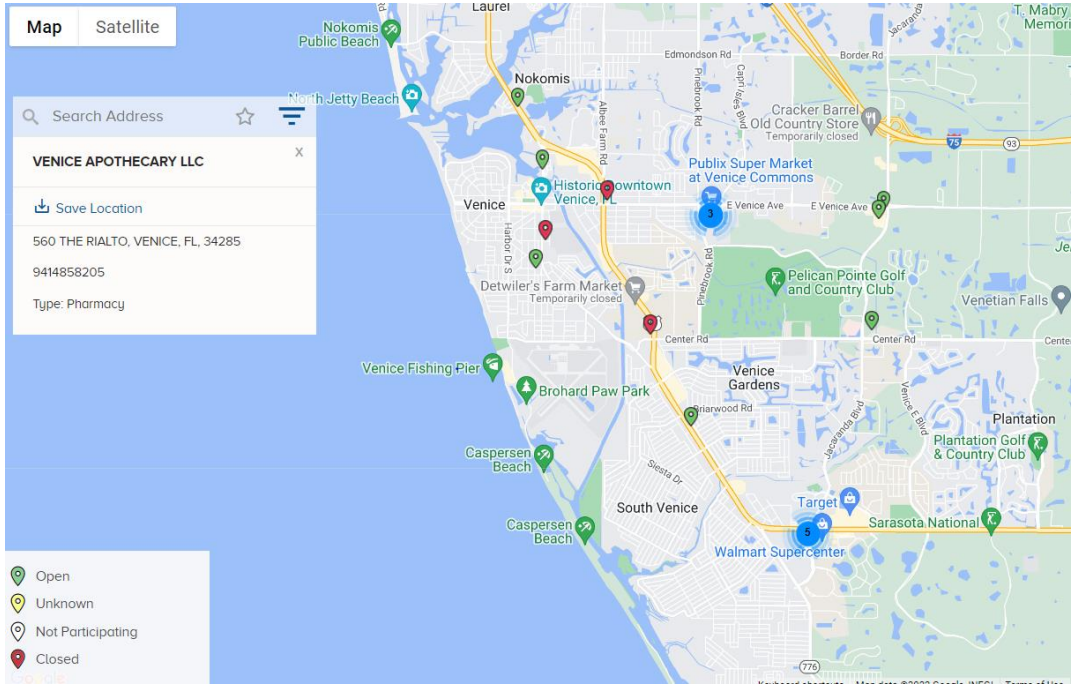
Healthcare Ready Resources

Rx Open

- Map of open pharmacies and dialysis centers in areas impacted by disasters
- www.rxopen.org

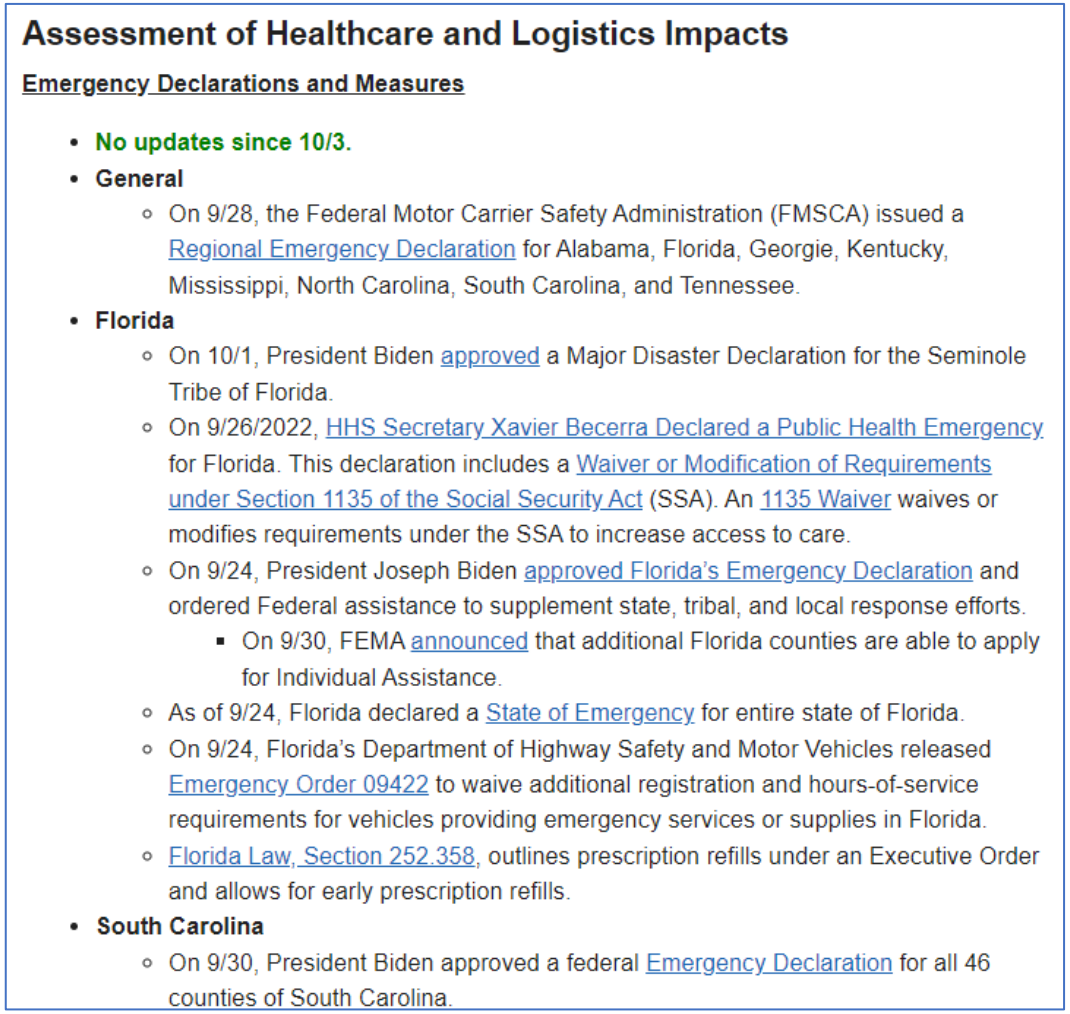




Situation Reporting during Disasters

- Regular reports on impacts of major disasters on healthcare and public health
- Information on:
  - Active emergency declarations
  - Impacts to power, water, communications, transportation, fuel
  - Status of healthcare facilities, including hospitals, long term care, pharmacies, dialysis, clinics
  - Emergency prescription refill guidance
- Sign up for situation reports at:

  https://healthcareready.org/contact-us/



Assessment of Healthcare and Logistics Impacts

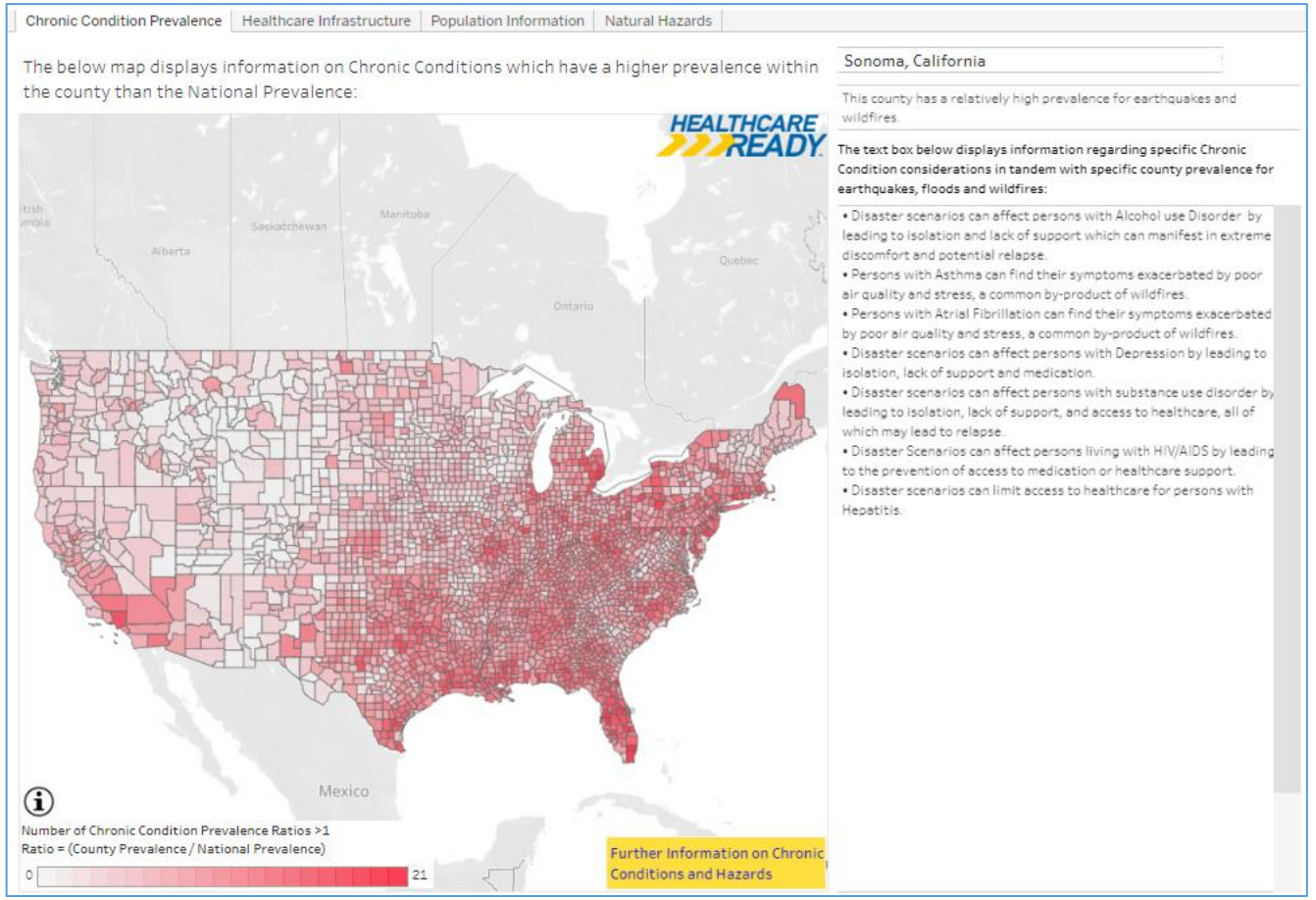
Emergency Declarations and Measures

- **No updates since 10/3.**
- **General**
  - On 9/28, the Federal Motor Carrier Safety Administration (FMSCA) issued a Regional Emergency Declaration for Alabama, Florida, Georgie, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.
- **Florida**
  - On 10/1, President Biden approved a Major Disaster Declaration for the Seminole Tribe of Florida.
  - On 9/26/2022, HHS Secretary Xavier Becerra Declared a Public Health Emergency for Florida. This declaration includes a Waiver or Modification of Requirements under Section 1135 of the Social Security Act (SSA). An 1135 Waiver waives or modifies requirements under the SSA to increase access to care.
  - On 9/24, President Joseph Biden approved Florida's Emergency Declaration and ordered Federal assistance to supplement state, tribal, and local response efforts.
    - On 9/30, FEMA announced that additional Florida counties are able to apply for Individual Assistance.
  - As of 9/24, Florida declared a State of Emergency for entire state of Florida.
  - On 9/24, Florida's Department of Highway Safety and Motor Vehicles released Emergency Order 09422 to waive additional registration and hours-of-service requirements for vehicles providing emergency services or supplies in Florida.
  - Florida Law, Section 252.358, outlines prescription refills under an Executive Order and allows for early prescription refills.
- **South Carolina**
  - On 9/30, President Biden approved a federal Emergency Declaration for all 46 counties of South Carolina.

Community Disaster Resilience Tool (CDRT)

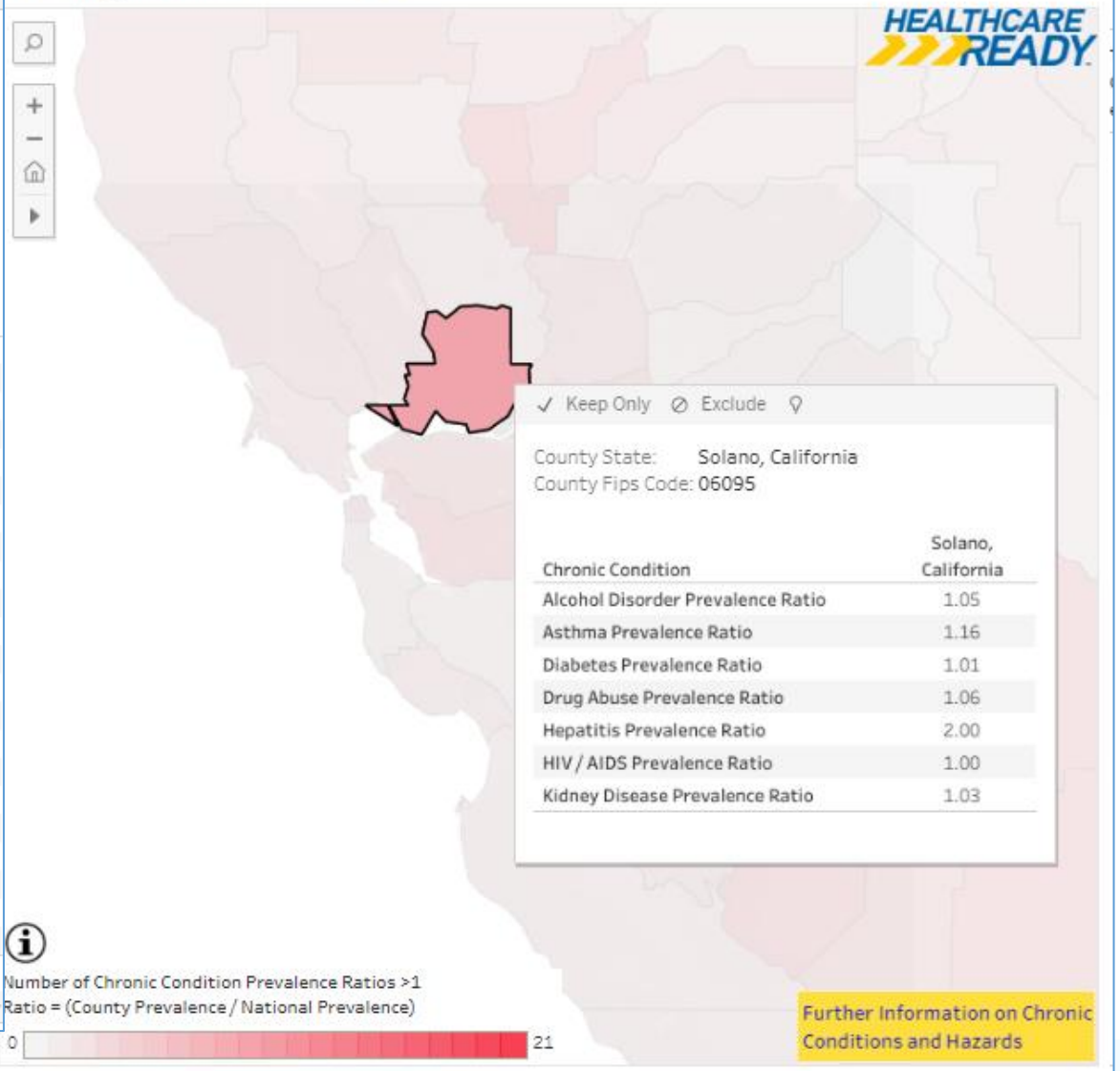
- Map-based tool to help local officials and emergency managers understand the risks their communities face
- Four tabs:
  - Chronic condition prevalence
  - Healthcare infrastructure
  - Population information
  - Natural hazards

https://healthcareready.org/cdrt/



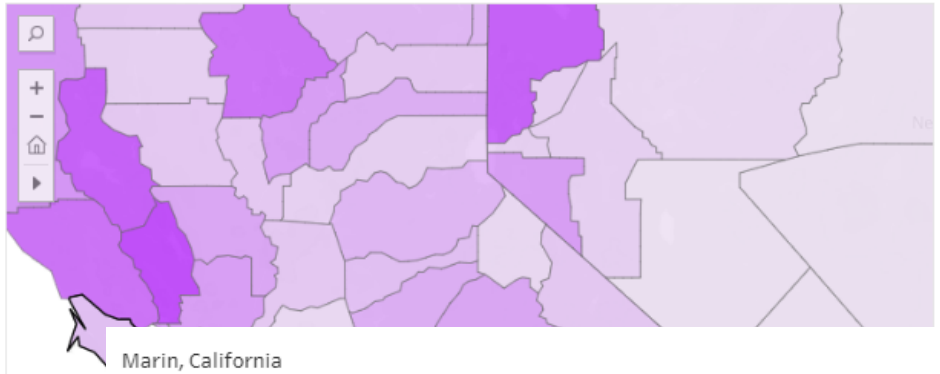
Chronic Condition Prevalence | Healthcare Infrastructure | Population Information | Natural Hazards

The below map displays information on Chronic Conditions which have a higher prevalence within the county than the National Prevalence:



Chronic Condition Prevalence | Healthcare Infrastructure | Population Information | Natural Hazards

The map below displays information regarding population information and Federal Disaster Declarations:



County Statistics

	Sonoma, California
Total Population	494,336
American Indian Pop	10,796
American Indian Pop %	2.18%
	2,590
	.57%
	0,244
	.07%
	2,048
	.41%
	9,816
	.01%
	8,842
	.75%
	4,954
	.30%
	5,505
	.32%
	2,323
	.70%
Poverty Population	50,714
Poverty Population %	10.26%
Unemployed Population %	2.74%

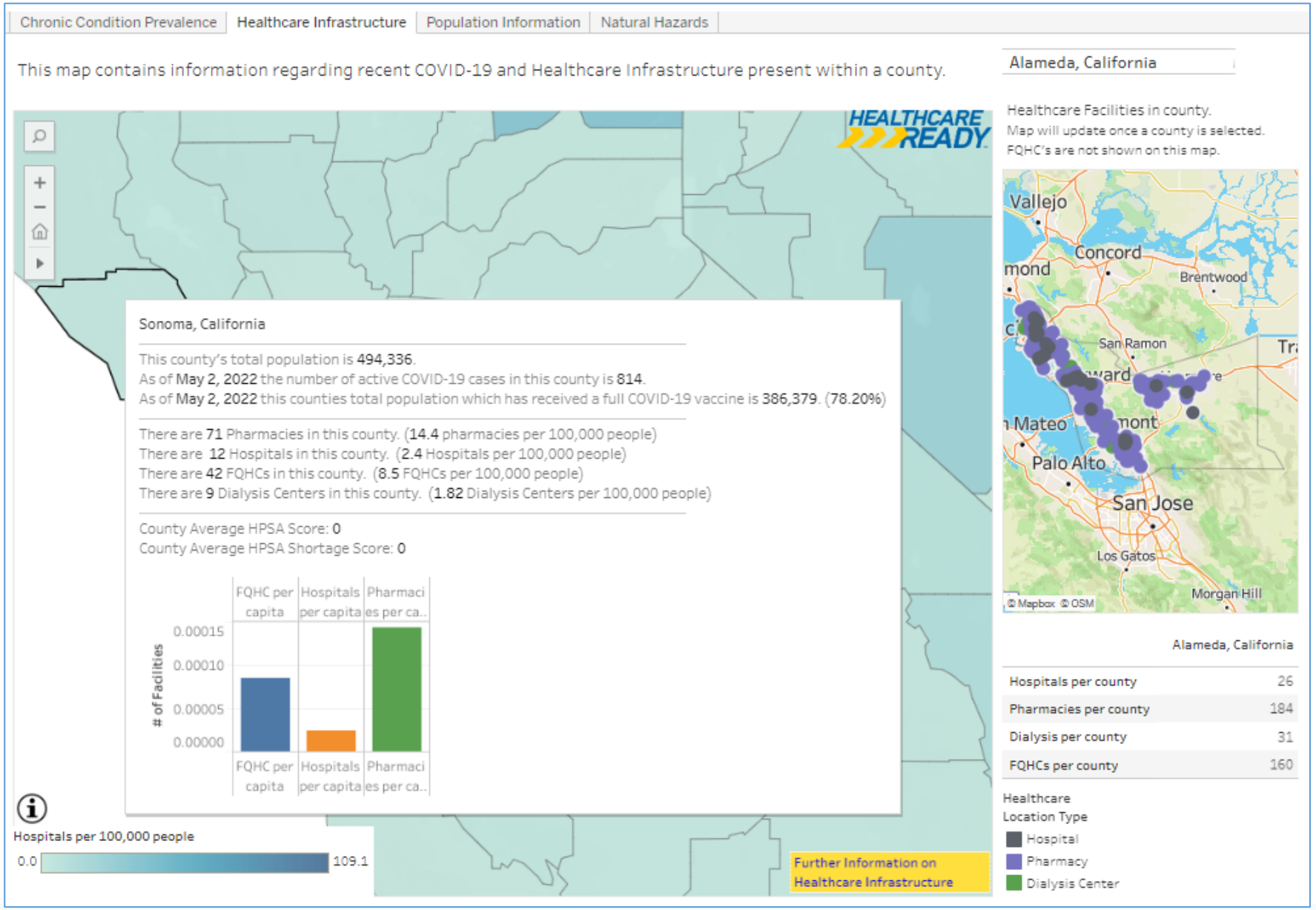
Marin, California
This county's total population is 258,826.
The percent of the population in poverty in this county is 7.47%

The elderly population (65+) in this county is 59,404. (22.95%)
The youth population (< 18) in this county is 51,331. (19.83%)
American Indian Population: 2,552 (0.99%)
Asian Population:17,088 (6.60%)
Black Population: 7,355 (2.84%)
Pacific Islander Population: 712 (0.28%)
White Population: 220,821 (85.32%)

This county has had 6 Disaster Declarations in the past 5 years, and 6 Disaster Declarations in the past 10 years.
The ratio of disaster declarations between the last 5 years compared to the last 10 years is 1.00, signifying that there have been a higher concentration of Disaster Declarations in the last 5 years.
The most recent Disaster Declaration for this county was on 2020-01-20 in regards to a Biological incident.

Disaster Declarations in the past 10 yrs
0 24

Further Information on Population Information


Chronic Condition Prevalence
Healthcare Infrastructure
Population Information
Natural Hazards
This map contains information regarding recent COVID-19 and Healthcare Infrastructure present within a county.
Alameda, California
Healthcare Facilities in county.
Map will update once a county is selected.
FQHC's are not shown on this map.
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Sonoma, California
This county's total population is 494,336.
As of May 2, 2022 the number of active COVID-19 cases in this county is 814.
As of May 2, 2022 this counties total population which has received a full COVID-19 vaccine is 386,379. (78.20%)
There are 71 Pharmacies in this county. (14.4 pharmacies per 100,000 people)
There are 12 Hospitals in this county. (2.4 Hospitals per 100,000 people)
There are 42 FQHCs in this county. (8.5 FQHCs per 100,000 people)
There are 9 Dialysis Centers in this county. (1.82 Dialysis Centers per 100,000 people)
County Average HPSA Score: 0
County Average HPSA Shortage Score: 0
FQHC per capita
Hospitals per capita
Pharmacies per ca..
# of Facilities
0.00015
0.00010
0.00005
0.00000
Hospitals per 100,000 people
0.0
109.1
Further Information on Healthcare Infrastructure
Vallejo
Concord
Brentwood
San Ramon
Palo Alto
San Jose
Los Gatos
Morgan Hill
© Mapbox © OSM
Alameda, California
Hospitals per county 26
Pharmacies per county 184
Dialysis per county 31
FQHCs per county 160
Healthcare Location Type
Hospital
Pharmacy
Dialysis Center

Resources Page

- Emergency Preparedness Webinars & Resources
- Health-focused tip sheets for individual preparedness
- Trainings on crisis communications, creating preparedness plans
- Information and support before, during, and after disasters

https://healthcareready.org/resources/

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Thank you!

Healthcare Ready leverages relationships with government, nonprofit, and medical supply chains to build and enhance the resiliency of communities before, during, and after disasters. Learn more at **HealthcareReady.org**.

HealthcareReady.org

@HC_Ready

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Stay Connected with Healthcare Ready

Response-related questions or assistance:
Alerts@healthcareready.org

General outreach to Healthcare Ready:
ContactUs@healthcareready.org

Emergency response hotline:
1-866-247-2694

Sign up for Healthcare Ready's regular Situation Reports:
Healthcareready.org/contact-us

Module III: Discussion

- Raise your hand to ask a question

  - *9 to raise and lower hand on the phone

Review – What you learned

- **Know your region's flows –** How does food flow through food banks? How does food make it to animals? How do medical and pharmaceutical supplies make it to patients?

- **Know your key players –** Who are the major players in the food bank / animal / medical and pharmaceutical sectors? Where do they fit in the supply chain?

- **Know what you can do -**What can you do to help restore, augment, or support supply chains and meet vulnerable population / medical / animal needs?

Still coming…

- **Know your most important population vulnerabilities –Supply Chain Considerations for People with Disabilities Report** to be developed

Wrap-Up and Next Steps

- Bay Area UASI Resource Library (link in chat)
  - Resource links in chat and in library
  - Recording will be available
- Complete the post-seminar assessment
- BA-UASI closing notes

Next Seminar is on **February 8, 2023 – Public Sector Supply Chains (Pushing Relief Supplies, Commodity Logistics, etc.)**
Link to register is in chat