

New York State
Department of Health

Public Health Corps Summit



Building Resilience in Public Health: Reimagining, Reinventing, and Rebuilding
November 15-16, 2022

Breakout Session, Meeting Room 1

Recruit, Train & Retain: Restructure of a Local Health Department with the Help of the NYS Public Health Corps Fellows

Presenters: Diane Oldenburg; Meghan Tice, MPH; Hayley Donhauser, MPH; Cheryl Rox;
Jodi Martin, MSN-PHN

Moderator: Peter G. Williams

Recruit, Train, Retain: Restructure of a Local Health Department with the Help of NYS Public Health Corps Fellows

Oswego County Health Department

NYSDOH Public Health Corps Summit

November 16, 2022



Following this presentation, participants will be able to:

1

Convince local leaders to invest in the public health workforce by using the NYSPHC and other available funding sources

2

Identify ways to leverage the NYSPHC to restructure, expand capacities, and improve capabilities of the local public health workforce to meet the increasing demands on the public health

3

Explain the benefits of using data driven decisions when it comes to program planning, implementation, and evaluation within the local health department and community partnerships

Gaps Identified During the COVID- 19 Pandemic



Data Collection and Analysis

Clinical Staff

Public Information

Supportive Staff

Staff Turnover



Gaps Identified: Data Collection and Analysis

- Limited resources and experience
- Overwhelmed by data volume
- Data obtained from multiple sources
- Data inconsistencies
- Lack of data analytic software



NY Communicable
Disease Case



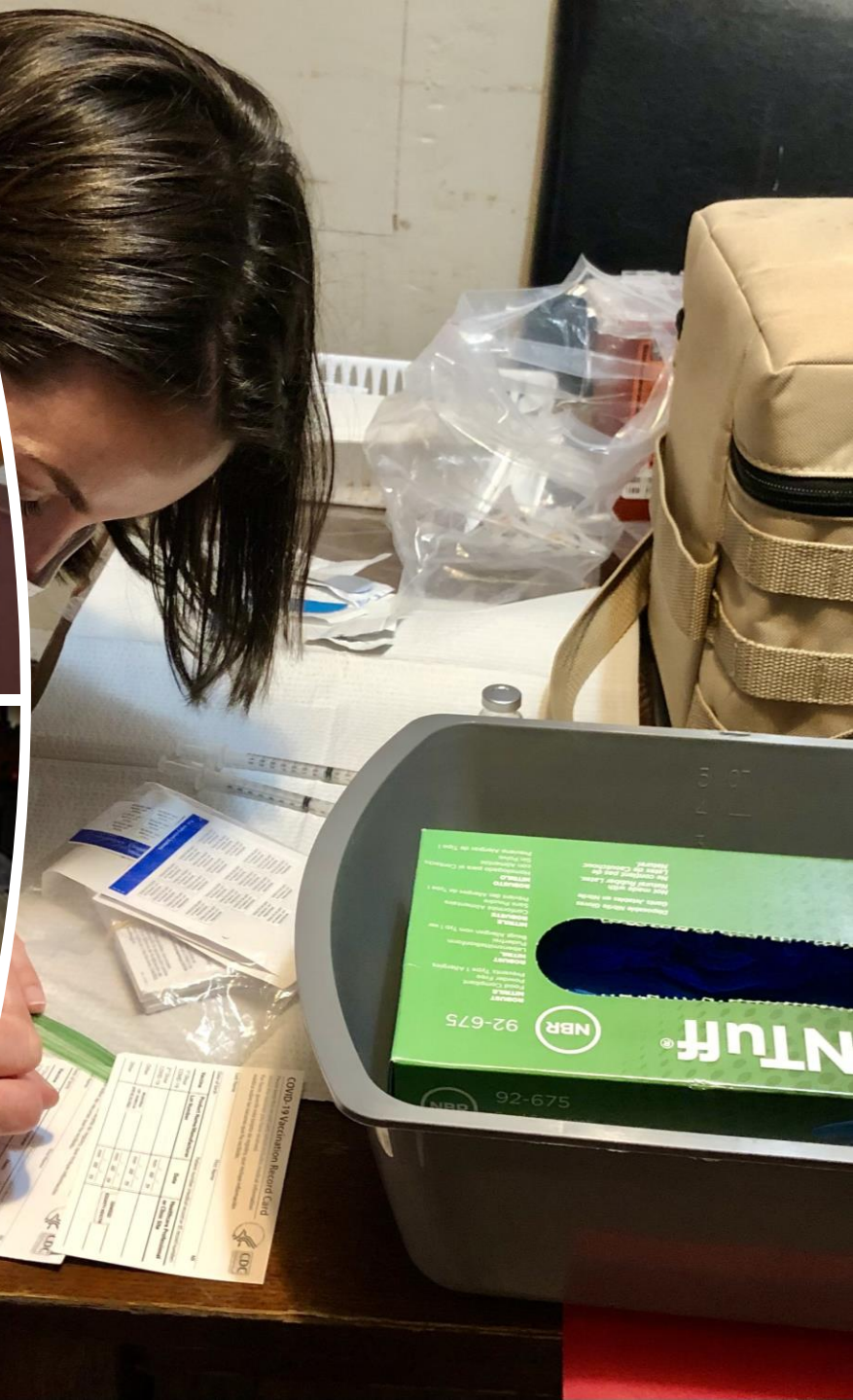
CENTERS FOR DISEASE™
CONTROL AND PREVENTION

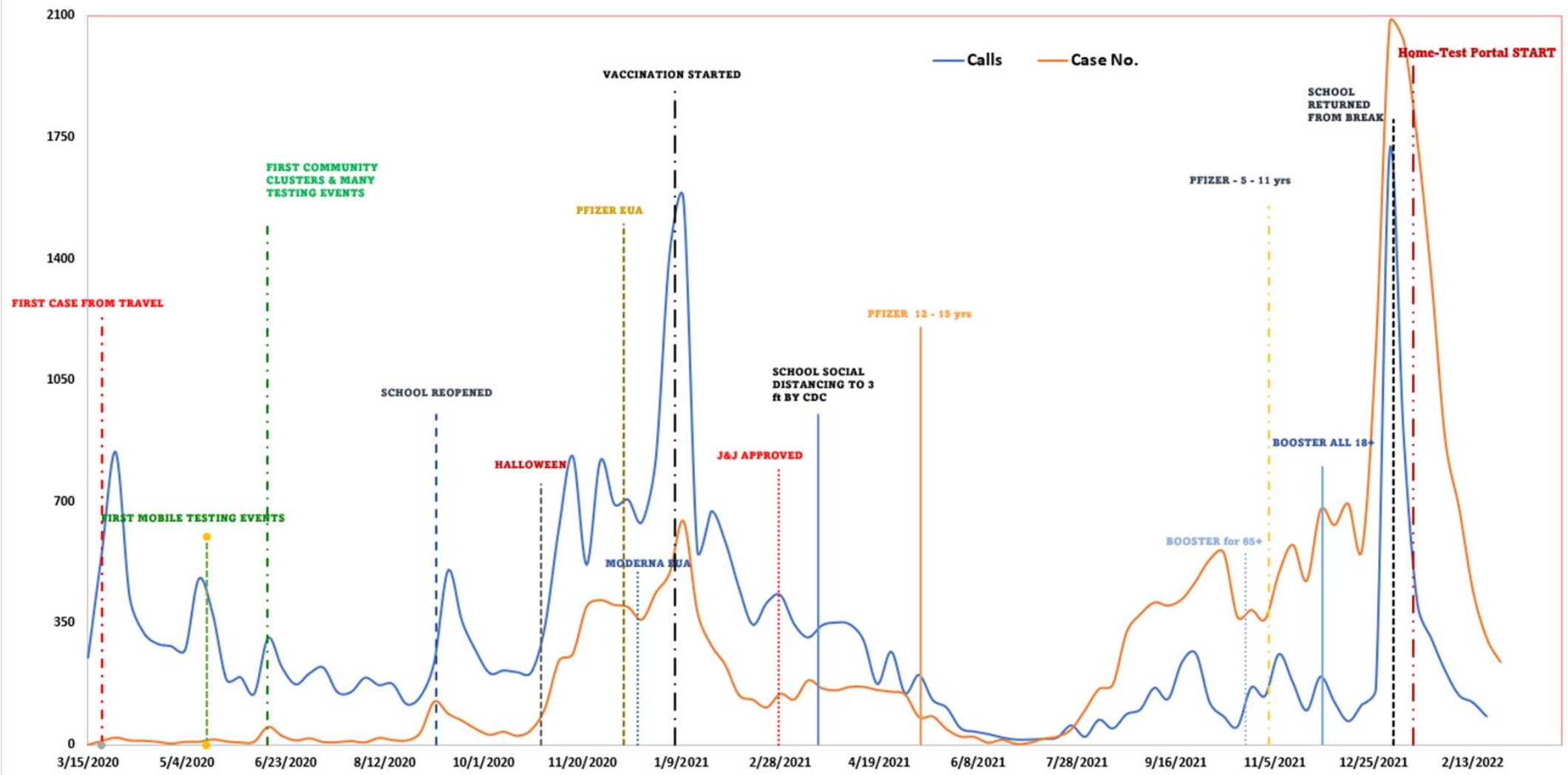


Gaps Identified:

Clinical Staff

- Testing
- Vaccinations
- Phonebank
- Investigations





Gaps
Identified:

Public
Information

- Mis and dis information
- Social media comments
- Press releases
- Media inquiries
- Website updating
- Chairman updates



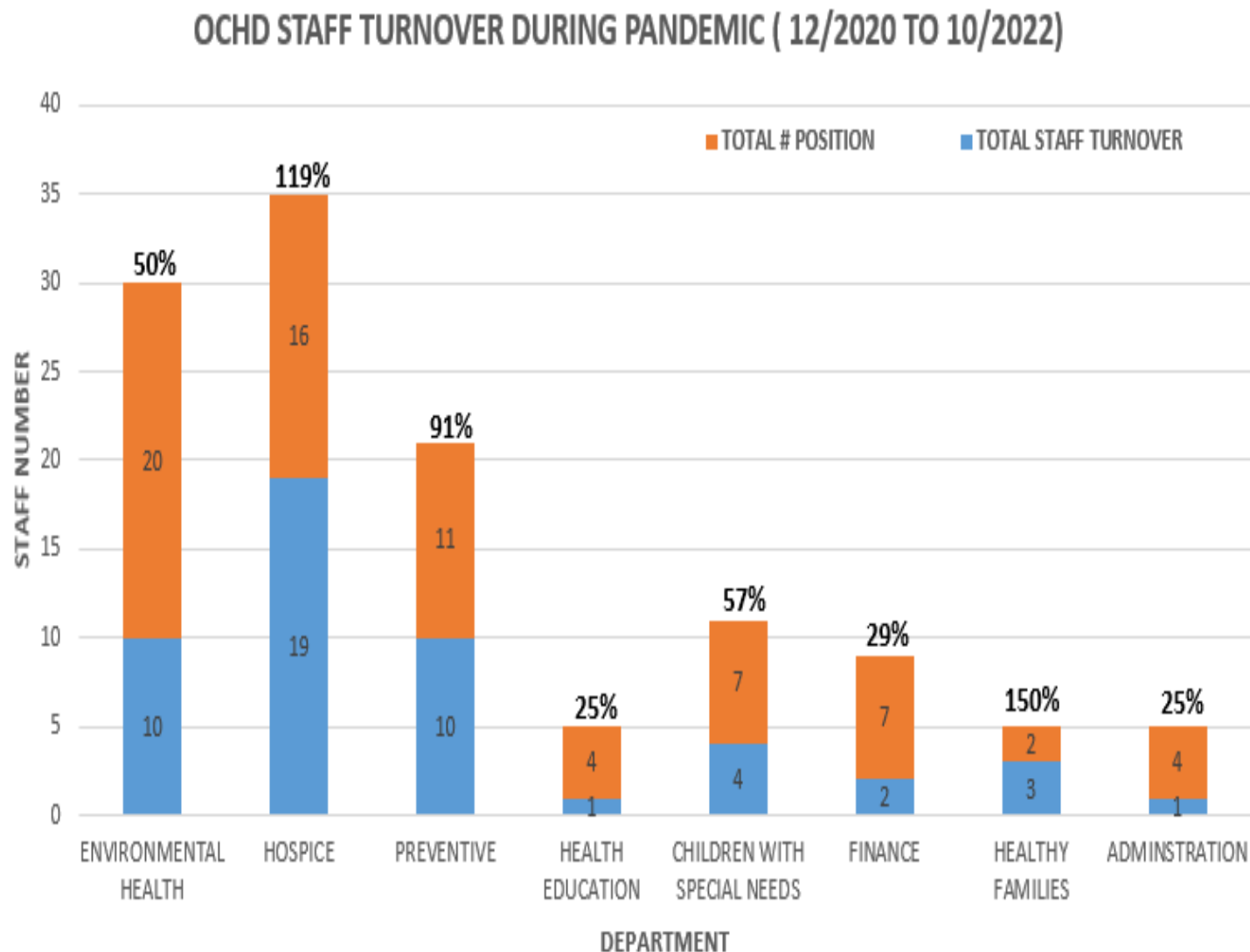
Gaps Identified: Supportive Staff

- Clerical activities (copying, printing)
- POD set up
- Educational information distribution
- Tabling
- Community outreach



Gaps Identified: Staff Turnover

- 70 total LHD positions
- 50 LHD staff changes from December 2019 – October 2022
- 71% LHD staff turnover during pandemic

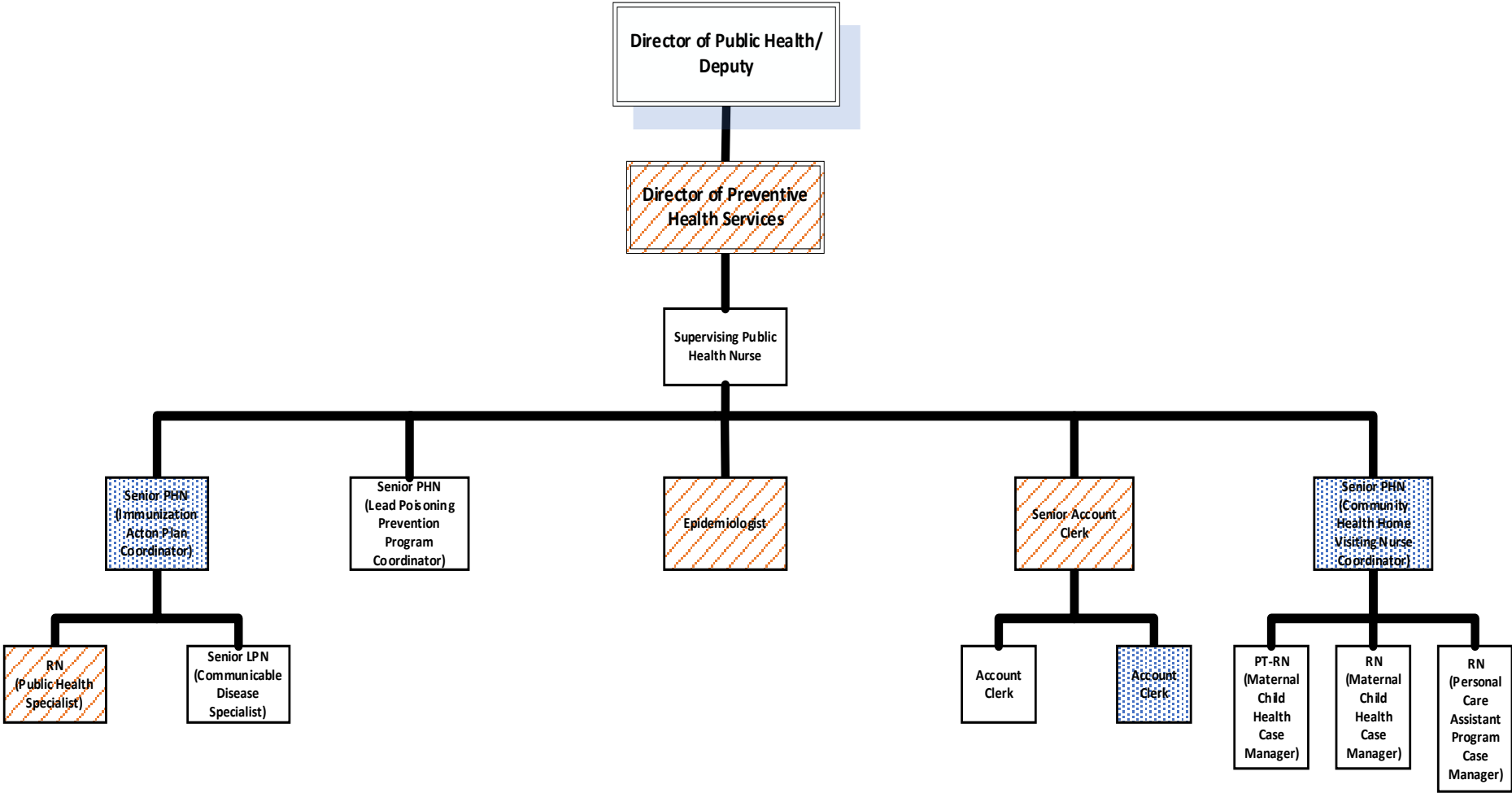




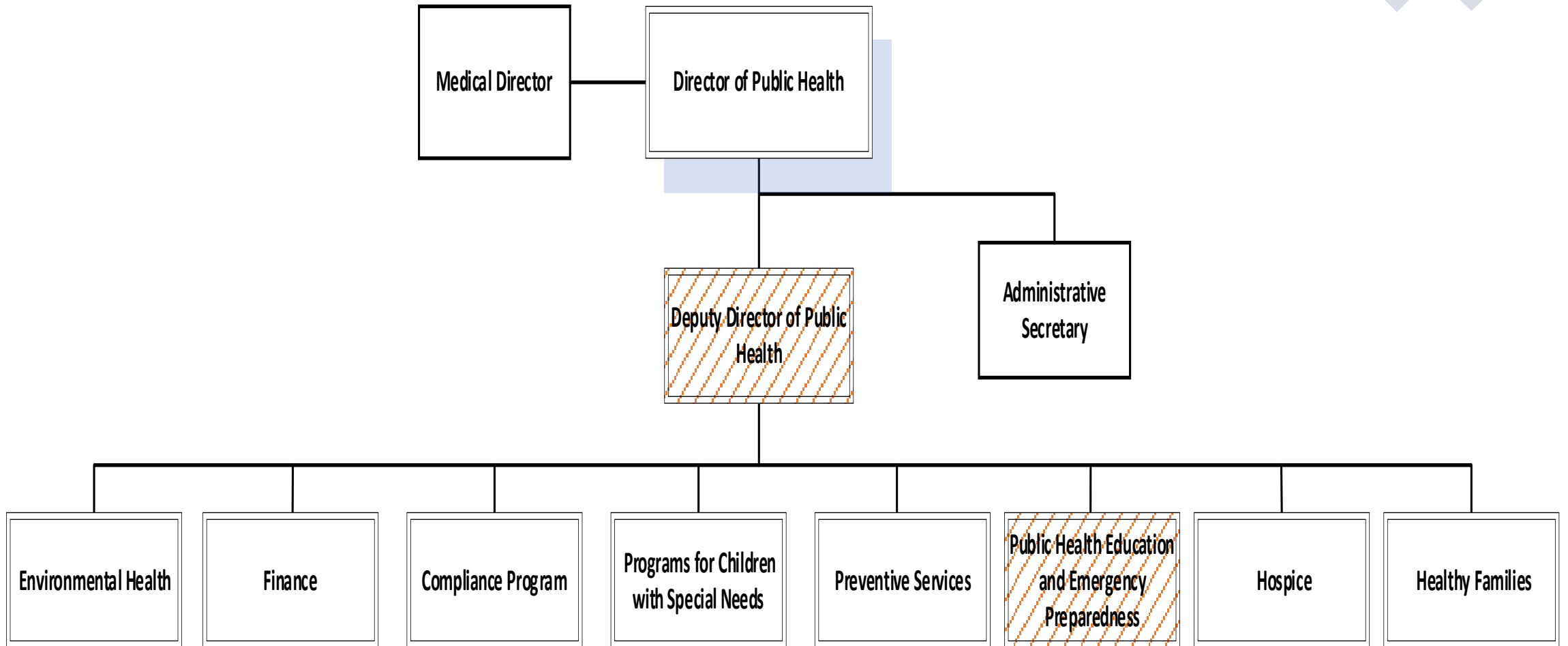
Health Department's overall goals for 2022

1. Continue collective efforts in COVID-19 response to mitigate the pandemic damages to the County.
2. Identify department's infrastructure and capacity gaps revealed in COVID-19 response and develop new organizational structure for long-term public health success.
3. Take the opportunities of the New York State Public Health Corps Fellowship Program to retain and strengthen the dedicated and competent workforce.
4. Continue to efficiently and effectively provide services to prevent disease, promote health and well-being, and protect those that live, work, or play in Oswego County.

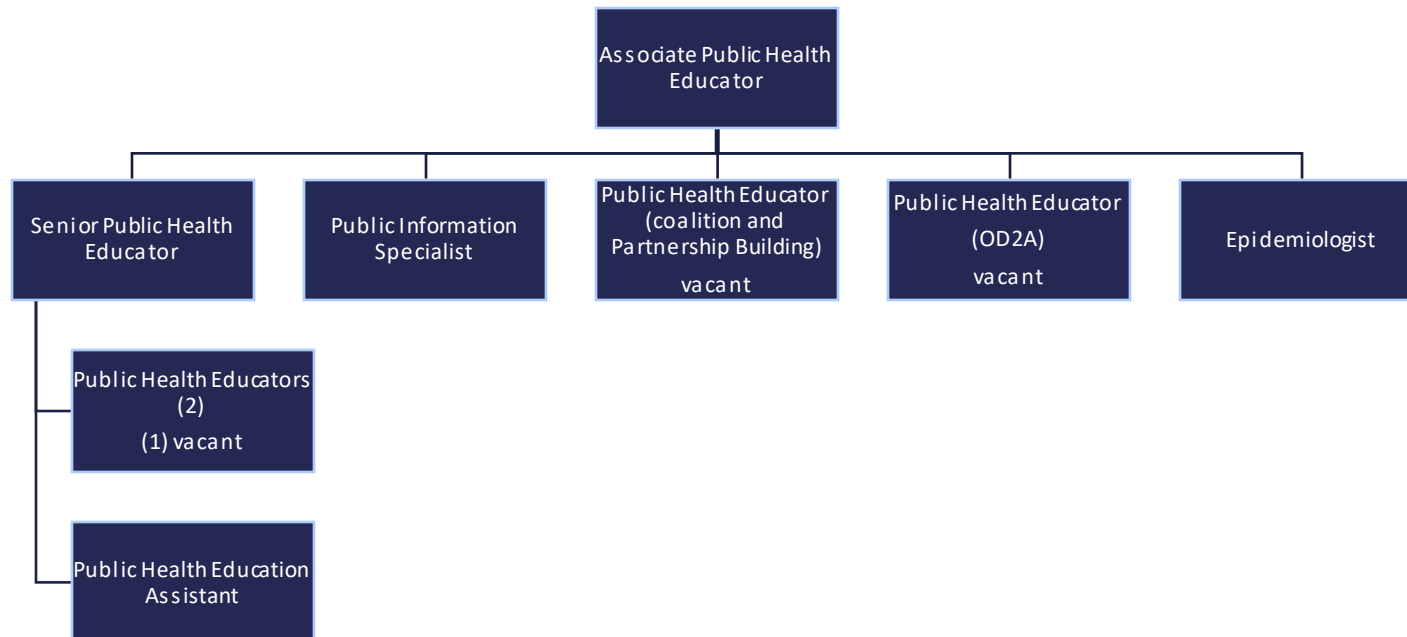
Preventive Services



Oswego County Health Department



Public Health Education and Emergency Preparedness



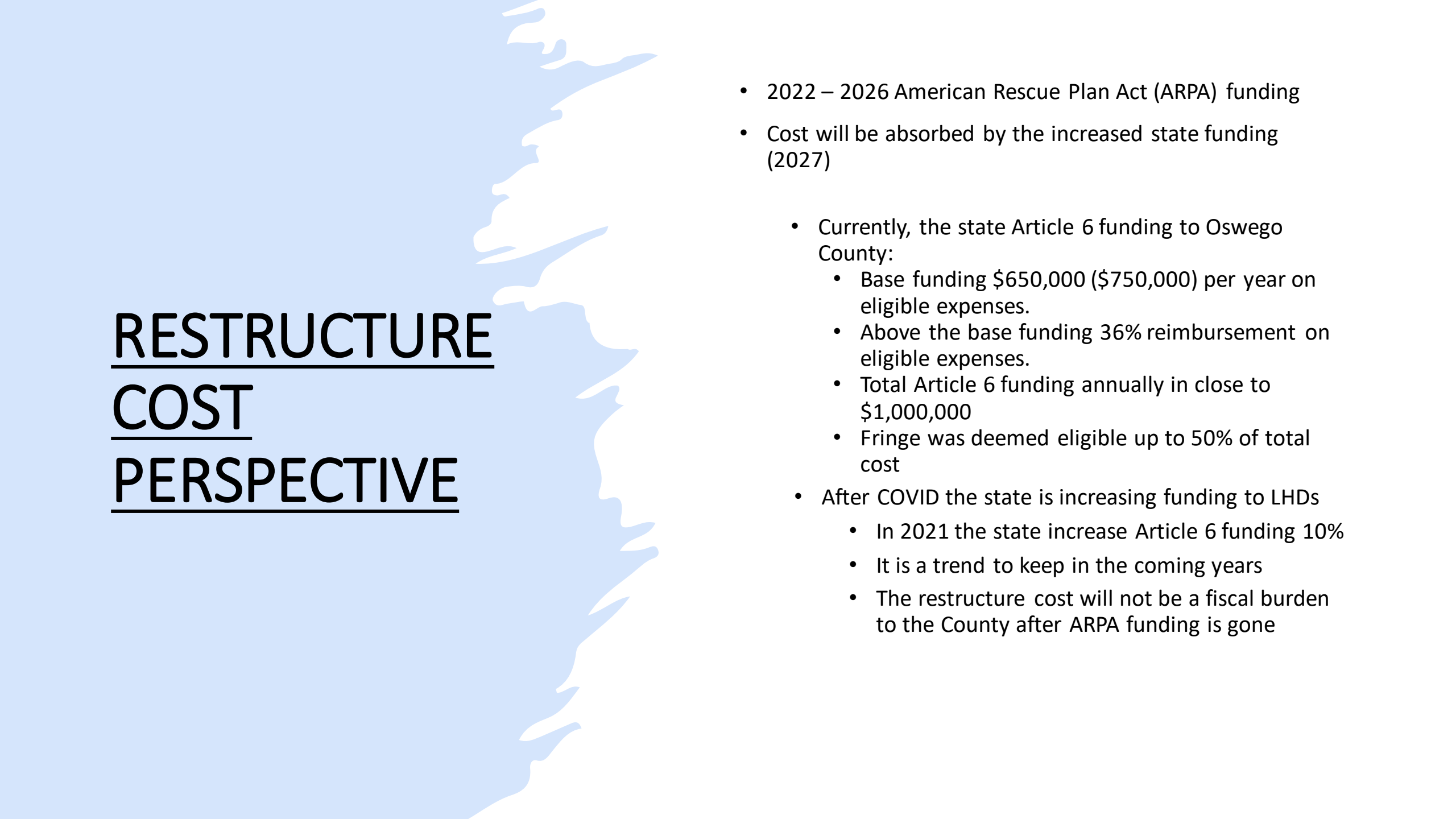
- Community Health Assessment and Community Health Improvement Plan
- Public Health Emergency Preparedness
- POD set up
- Overdose prevention/opioids
- Medical Countermeasure management
- public health detailing
- Injury Prevention
- low-income car seat distributions
- Chronic Disease Self-management classes
- Diabetes self-management classes
- Stepping On (fall prevention)
- Smoke-free for Baby and Me
- Tobacco/Vaping education
- "Bug School" (tick and mosquito-borne disease)
- STD
- Safe Sleep
- outreach and education at community events
- Narcan training
- Fentanyl test strip distribution
- poisoning prevention
- nutrition/physical activity
- handwashing and hygiene

Restructure Vision for Health Education and Emergency Preparedness

- COVID demonstrated the need for additional staff and training in specialized areas:
 - Epidemiology
 - Public information Specialist
 - Health Educators
 - When COVID started Health Educators(2) time split (40% PHEP and 60% Health Ed)
 - Health Educator (1) grant funded OD2A only
 - Public Health Education Assistant

Restructure Vision for Health Education and Emergency Preparedness

- Improved training and additional staff will allow:
 - Focus on community health assessment and improvement planning-be more data driven
 - Fully implement community health improvement plan to address county health rankings
 - Foster and participate in community partnerships addressing health priorities and preparedness
 - Improve Public Health Emergency planning and response
 - Offer more health education services to residents
 - **A healthier community that is more engaged with the health department!**



RESTRUCTURE COST PERSPECTIVE

- 2022 – 2026 American Rescue Plan Act (ARPA) funding
- Cost will be absorbed by the increased state funding (2027)
 - Currently, the state Article 6 funding to Oswego County:
 - Base funding \$650,000 (\$750,000) per year on eligible expenses.
 - Above the base funding 36% reimbursement on eligible expenses.
 - Total Article 6 funding annually in close to \$1,000,000
 - Fringe was deemed eligible up to 50% of total cost
 - After COVID the state is increasing funding to LHDs
 - In 2021 the state increase Article 6 funding 10%
 - It is a trend to keep in the coming years
 - The restructure cost will not be a fiscal burden to the County after ARPA funding is gone



Data and Overdose Prevention

Meghan Tice, MPH

Epidemiologist

Oswego County Health Department

Collaboration

- Oswego County Prevention Coalition
 - Treatment center
 - Local health network
 - Law enforcement
 - Local DSS
 - County human service agency
- Oswego County Opioid Response Consortium
- High Intensity Drug Trafficking Area Officer



Data

- Nonfatal overdoses
- Data from law enforcement agencies only
- Fatal overdoses from county coroner's office

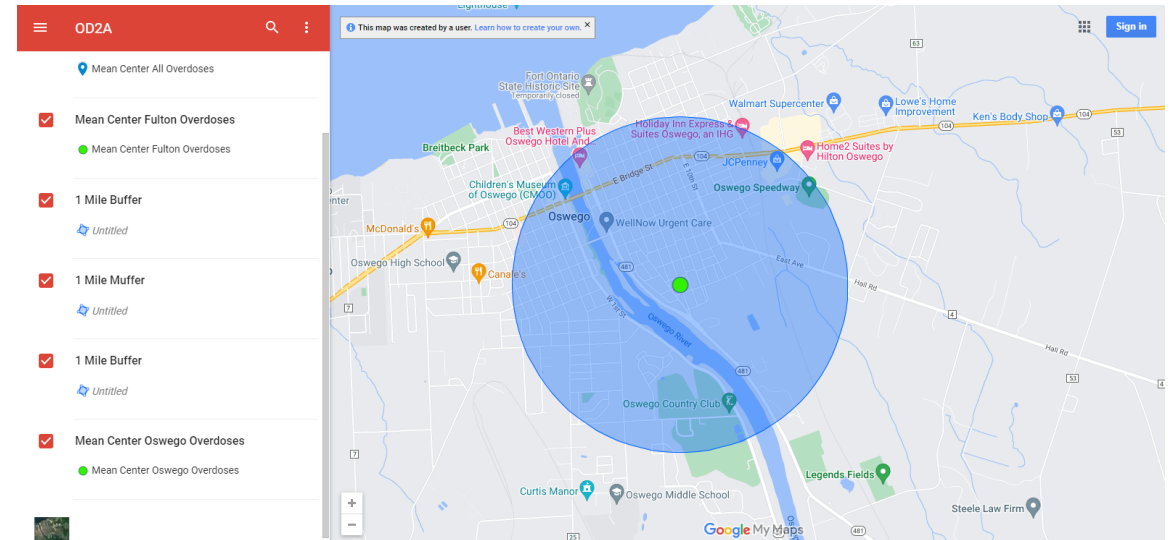
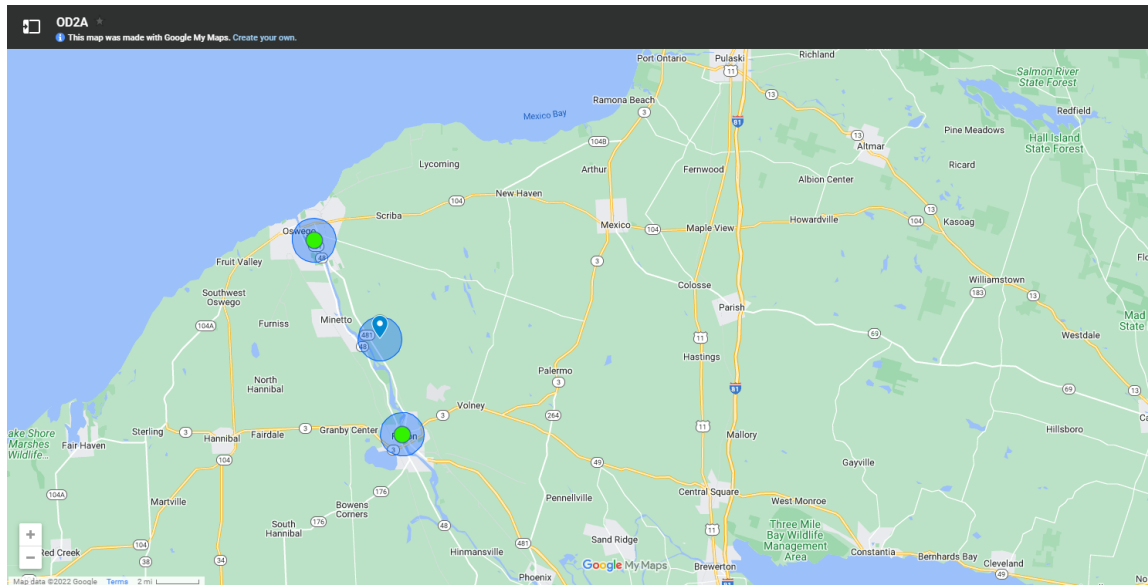
Naloxone Cabinets

- Central Region Addiction Resource Center



Overdose Locations

- ArcGIS
- [Google Map](#)



What's Next

- Data sharing among public health and public safety agencies
- Post-overdose outreach
- Overdose Fatality Review



GIS FOR LOCAL HEALTH DEPARTMENTS

Haley Donhauser, MPH
Epidemiologist
Oswego County Health Department

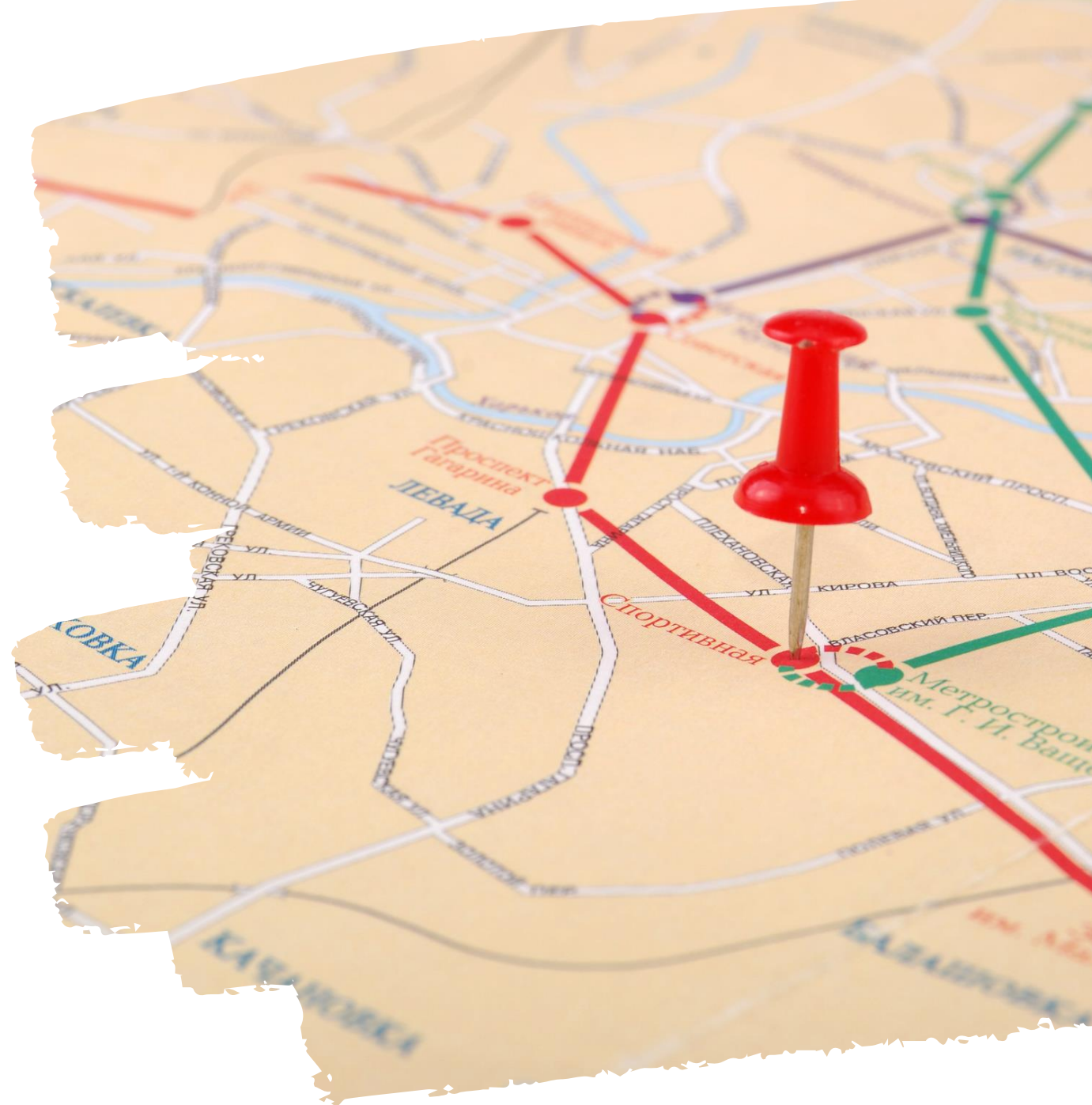


WELCOME!

HALEY DONHAUSER, MPH

- Epidemiologist for the Oswego County Public Health Department
- Masters in Public Health from SUNY Upstate University
- Focus areas are GIS, Communicable Disease, and Emergency Preparedness

LET'S GET STARTED



01

WHAT IS GIS?

What does GIS stand for and why is it useful

02

LOCAL HEALTH DEPARTMENT USES

How is OCHD using GIS to make data informed decisions

03

EXAMPLE PROJECTS

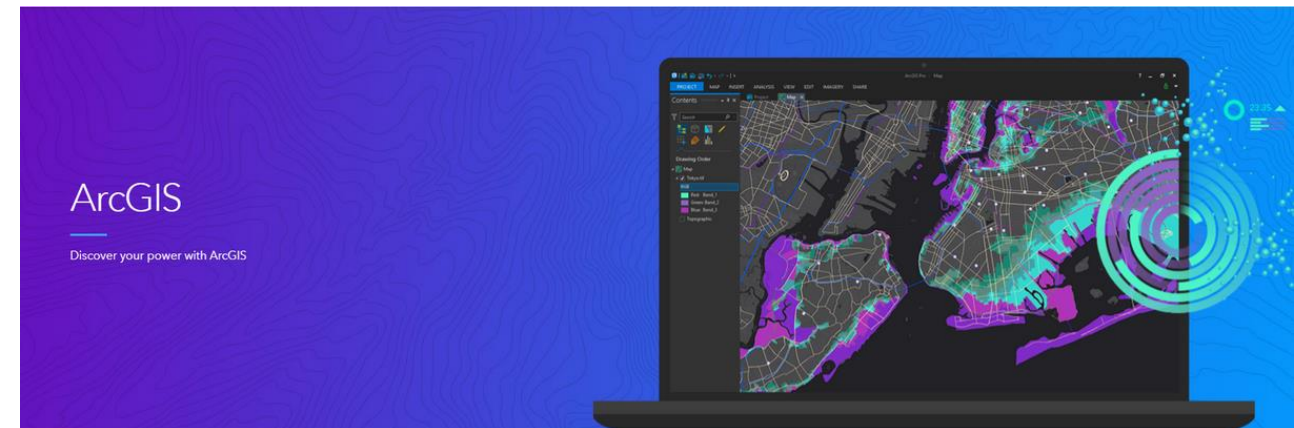
Dashboards vs Maps vs Apps

04

FUTURE MAPPING PROJECTS

Real-time mapping in emergencies, communicable disease spread, etc..

IN THE NEXT 15
MINUTES WE WILL
COVER...



*<https://www.esri.com/en-us/arcgis/about-arcgis/overview>

GEOGRAPHIC INFORMATION SYSTEMS

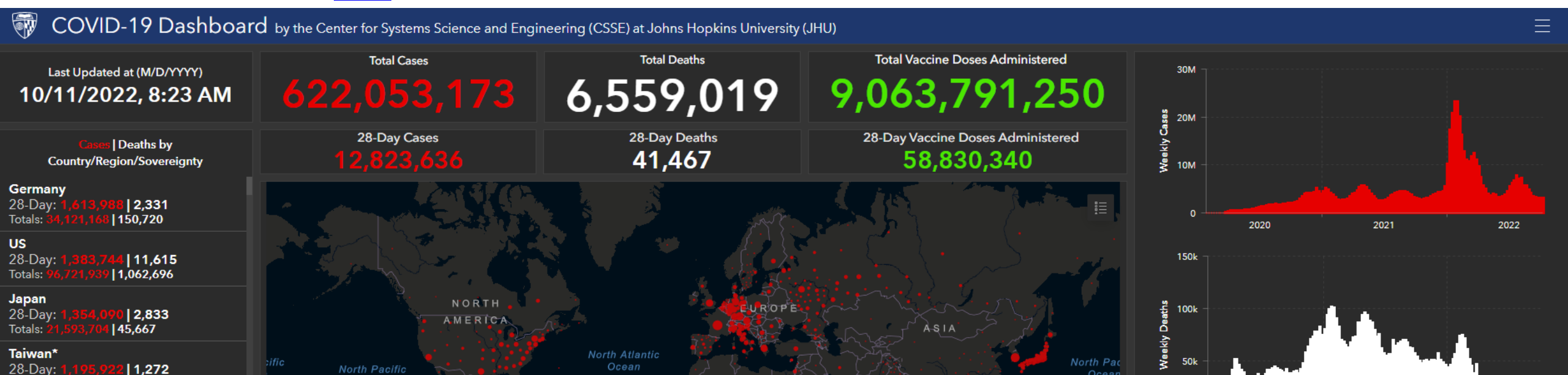


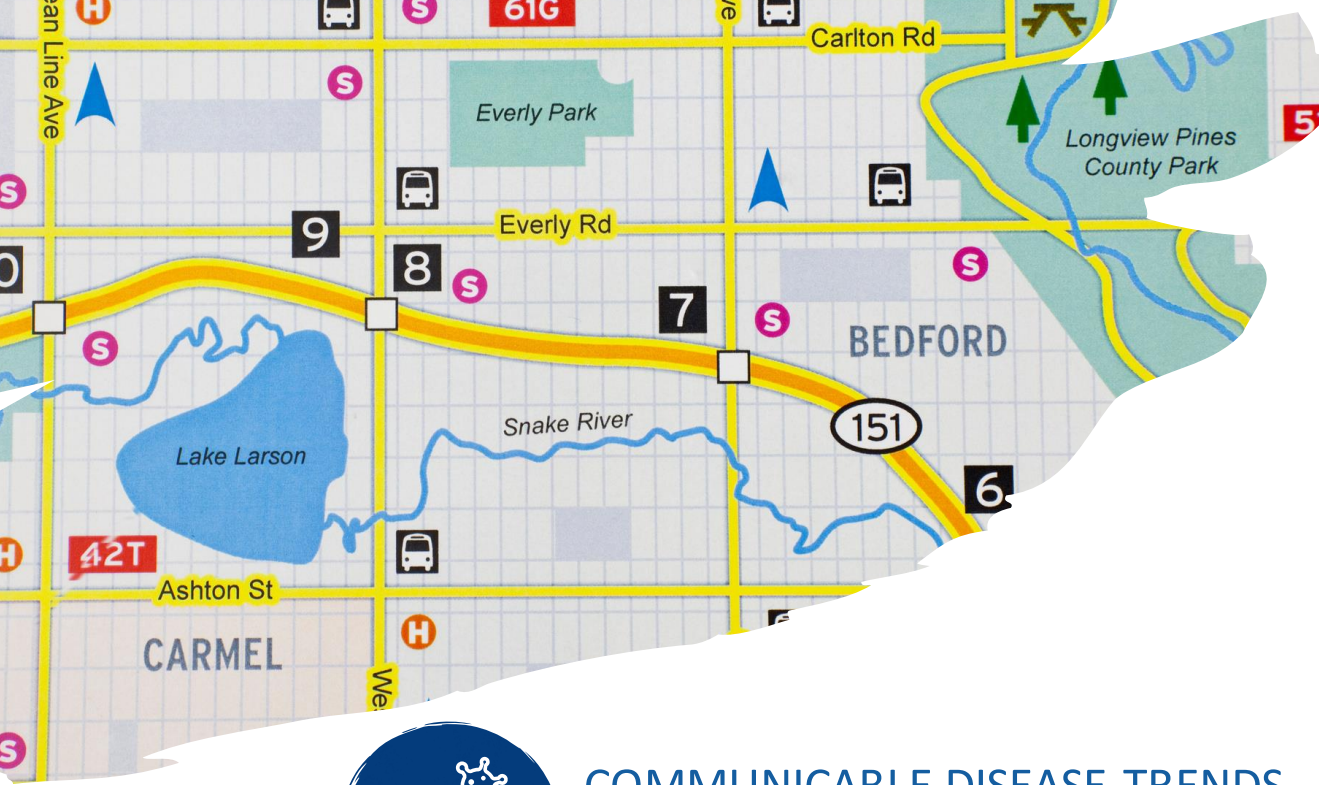
HOW CAN GIS BE USED

- Emergency Response
- Tracking change over time
- Forecast future trends
- Set priorities
- Analyze data
- Look at spatial trends

A SPATIAL SYSTEM THAT CREATES,
MANAGES, ANALYZES, AND MAPS ALL
TYPES OF DATA

- [ESRI](#)





HOW IS OCHD USING GIS?



COMMUNICABLE DISEASE TRENDS

Monitoring flu and COVID-19 trends overtime. Data includes age ranges, vaccine coverage, number of cases, and location hotspots



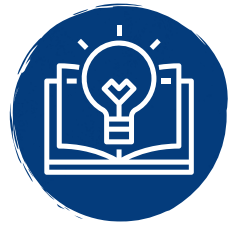
ENVIRONMENTAL RISK FACTORS

Mapping lead cases across the county and keeping track of landlords that own multiple houses



PROGRAM DECISION MAKING

Use GIS to map areas in need of services, such as potential vaccine clinics locations and overdose outreach education



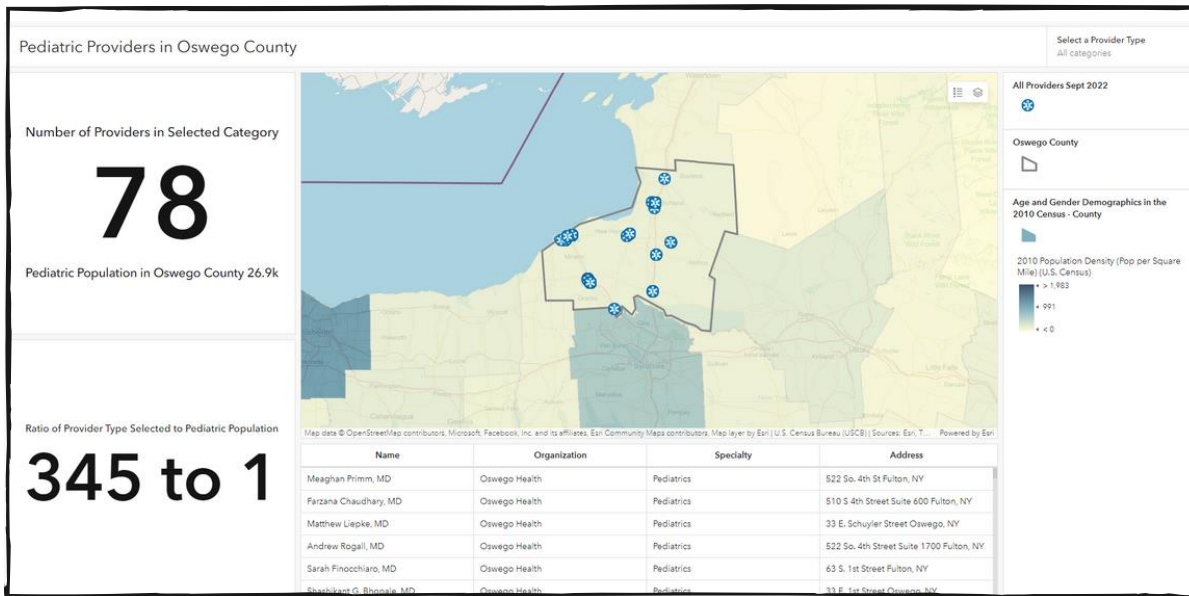
PUBLIC EDUCATION

ArcGIS apps can be used to disseminate epidemiology information to the public in a user friendly manner



EMERGENCY PREPAREDNESS

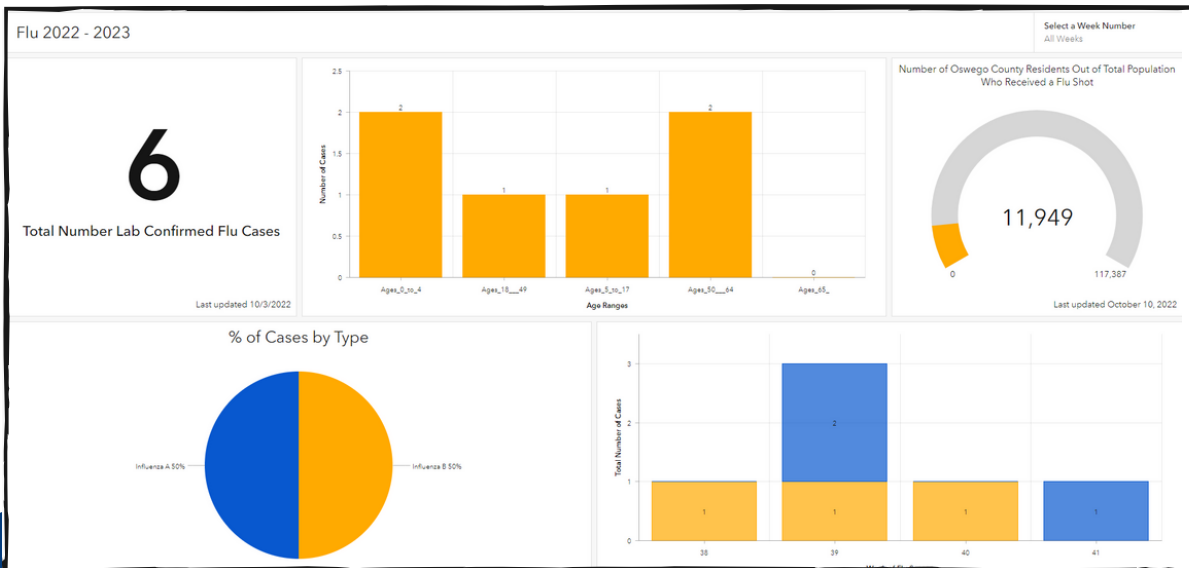
Mapping live data in emergency situations, such as cooling center locations and status



DASHBOARDS

MONITOR PEOPLE, SERVICES, ASSETS,
AND EVENTS IN REAL TIME AND ON A
SINGLE SCREEN.

- [ESRI](#)



Provider
[Dashboard](#)

- Calculating ratios under certain conditions
- Gaps in coverage

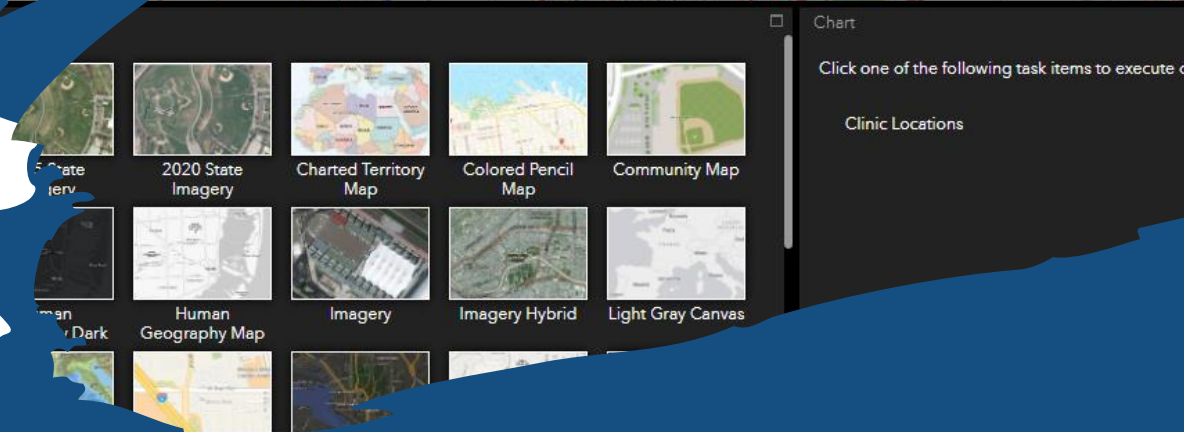
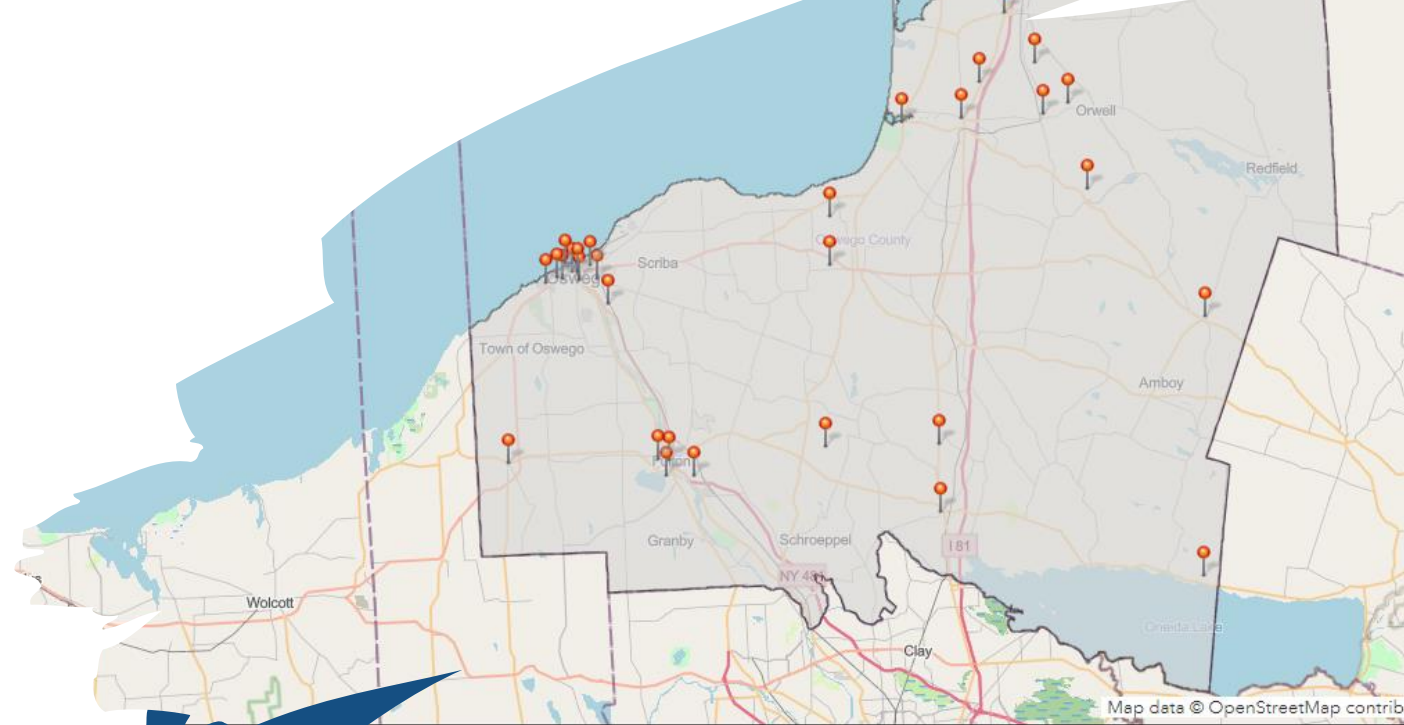
Flu
[Dashboard](#)

- Trend data over time
- Hotspots and places for intervention

MAPS AND ANALYSIS

USES AND FUNCTIONS

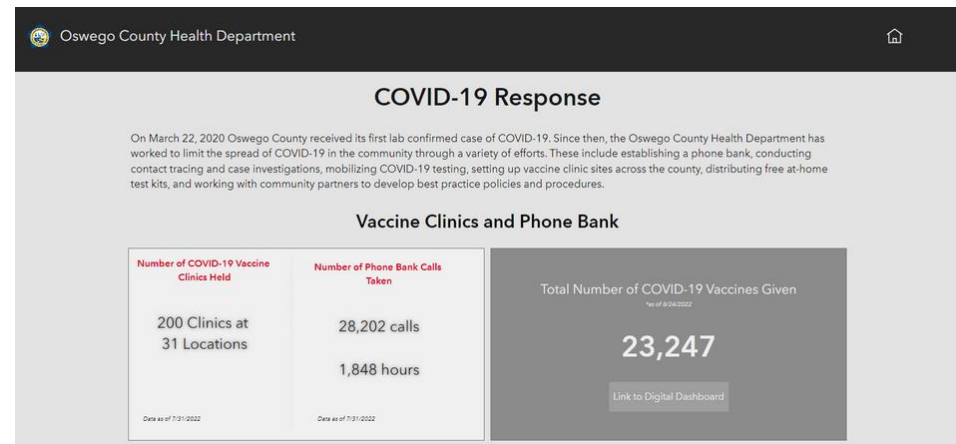
- Map data from a variety of sources
- Enrich data with Esri layers
- Aggregate points
- Summarize dispersion
- Choose best facilities
- Detect hotspots
- Find outliers
- Drive time analysis
- Plan routes
- Extract data
- Calculate new fields
- and Much More!



APPLICATIONS

USED TO SHARE AND SHOWCASE
MAPPING PROJETS AND DATA

- Instant apps
- Web AppBuilder
- ArcGIS Storymaps
- Sites
- Experience Builder
- Configurable Apps



FUTURE PROJECTS



Real Time Radiological Emergencies



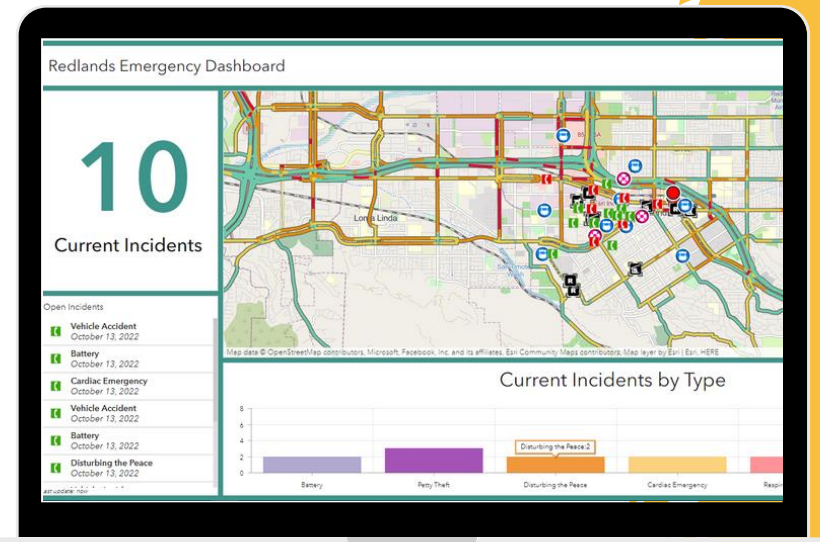
Needs Assessment Survey Geographic Analysis



Lead Service Line Inventories



Communicable Disease Spread





THANK YOU!

Haley Donhauser, MPH

haley.donhauser@oswegocounty.com

315-349-8655



Questions?

- Haley Donhauser
 - Haley.Donhauser@oswegocounty.com
- Jodi Martin
 - Jodi.Martin@oswegocounty.com
- Diane Oldenburg
 - Diane.Oldenburg@oswegocounty.com
- Cheryl Rox
 - Cheryl.Rox@oswegocounty.com
- Meghan Tice
 - Meghan.Tice@oswegocounty.com

