7 Innovative Solutions in Local Health IT

LHIT Lightning Rounds

About Us

NACCHO launched a new Community of Practice (CoP) for Local Health IT staff, bringing together local health IT departments from across the country to share tips and best practices.

If you are interested in topics such as cybersecurity, interoperability, telehealth, hyperconvergence, website redesigns, accessibility, and more, this may be a good fit for you.

The CoP convenes through regular conference calls and webinars.

Local Health IT Virtual Conference

- Taking place September 25 from 12 – 5pm ET
- $99 for members / $199 for non-members
- Share replicable solutions for local health IT

GTT

The sponsor for this session is GTT Communications.

About GTT

- GTT is redefining global communications to serve a cloud-based future, connecting people across organizations around the world and to every application in the cloud.
- Our clients benefit from an outstanding service experience built on our core values of simplicity, speed and agility. A Fortune Future 50 company, GTT owns and operates a global Tier 1 internet network and provides a comprehensive suite of cloud networking services to any location in the world. www.gtt.net

COBB & DOUGLAS PUBLIC HEALTH

Healthier lives. Healthier community.

Cobb & Douglas Public Health

Interactive Technology Project

Gurleen Roberts, DrPH, MPH

Background

Cobb & Douglas Public Health

- 2-County district in Northwest Atlanta
- Population of 899,636 combined (OASIS, 2017)

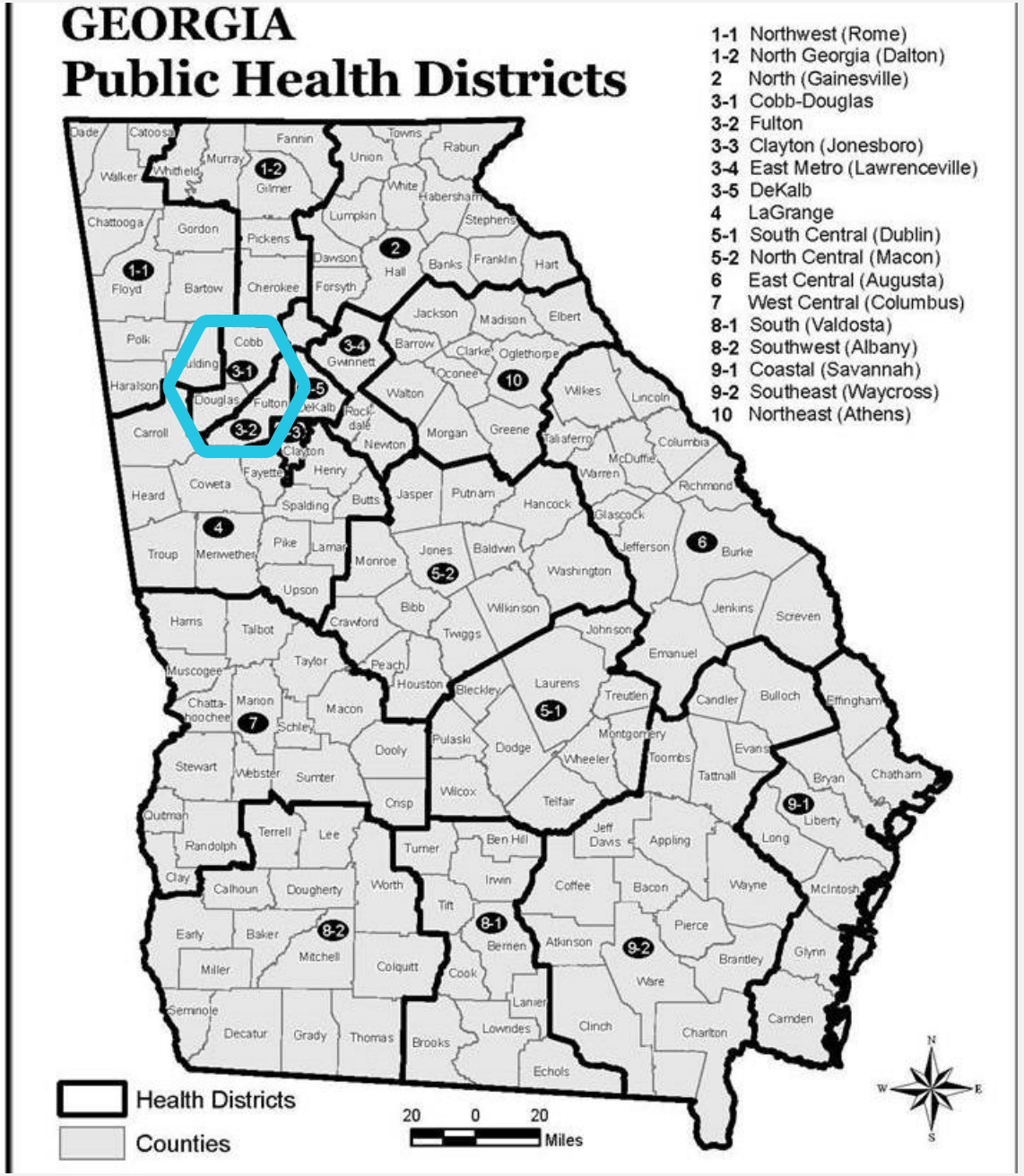
  Cobb – 755,754

  Douglas – 143,882

360 staff in 6 locations

- Regional points of interest:
  - SunTrust Park - Atlanta Braves stadium
  - Dobbins Air Reserve Base
- Accredited in 2015

COBB & DOUGLAS PUBLIC HEALTH



Cobb County Safety Village

Multi-Sector Collaboration

Objectives

1. Increase educational opportunities and knowledge related to prevention of unintentional injury
2. Increase long-term retention of safety messages
3. Increase efficiency in delivering these messages

Philosophy

- Tell me and I will forget;
- Show me and I may remember;
- Involve me and I will learn for a lifetime.

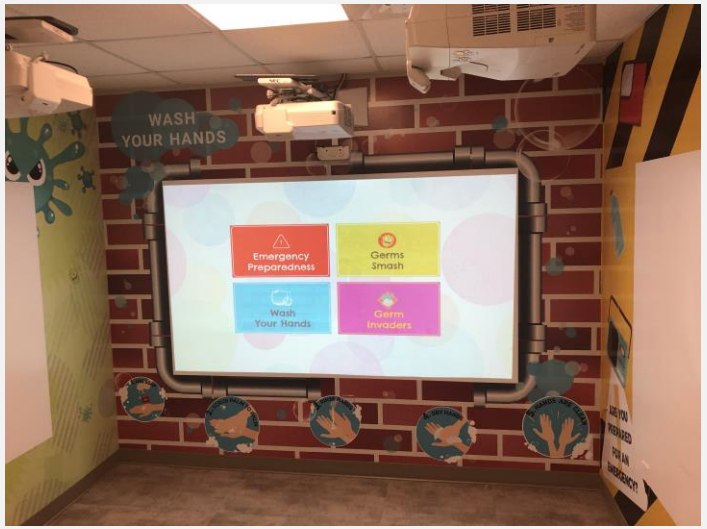
COBB & DOUGLAS PUBLIC HEALTH

SMASH THOSE GERMS!
GERMS ARE EVERYWHERE
COBB & DOUGLAS PUBLIC HEALTH
WASH YOUR HANDS
ARE YOU PREPARED FOR AN EMERGENCY?

Games

Germ Smash Game

Set on a playground, this game helps kids learn about germs, where they are located and how to prevent illnesses.



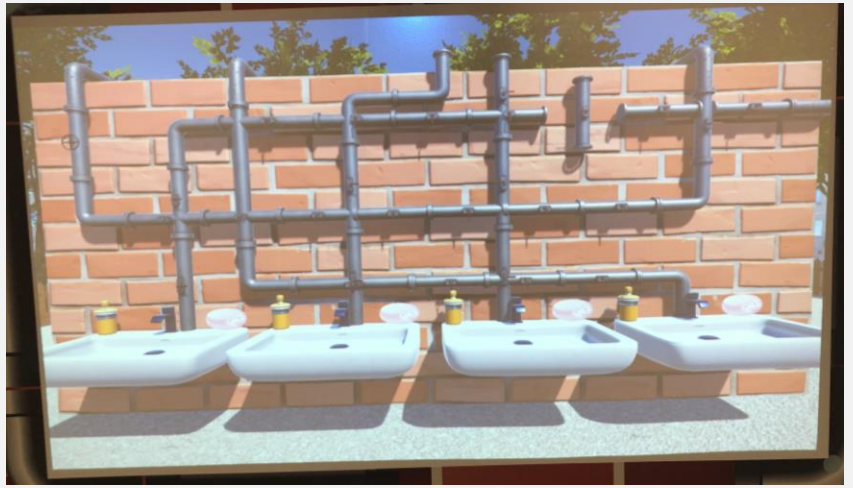
Germ Invader Game

In the style of an old-fashioned arcade game, this module teaches kids the benefits of vaccinations, proper diet and exercise in keeping the body healthy.

Games

Hand Washing Game

Using sinks and soap, this game teaches kids how to properly wash their hands to prevent the spread of germs and disease.



Emergency Preparedness Game

Set in a home, this game teaches kids know how to prepare an emergency kit in the event of inclement weather and power outages.

Cobb & Douglas Public Health

If you have any questions or suggestions, feel free to reach me using the contact details below.

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Jonathan Kemp, MBA (IT Director)

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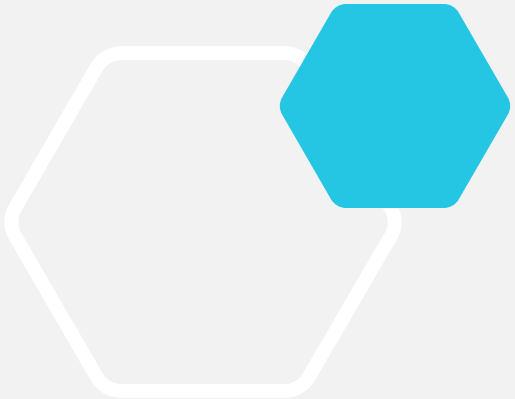


Orange County, Florida Department of Health

Hosted Enterprise Q-Flow

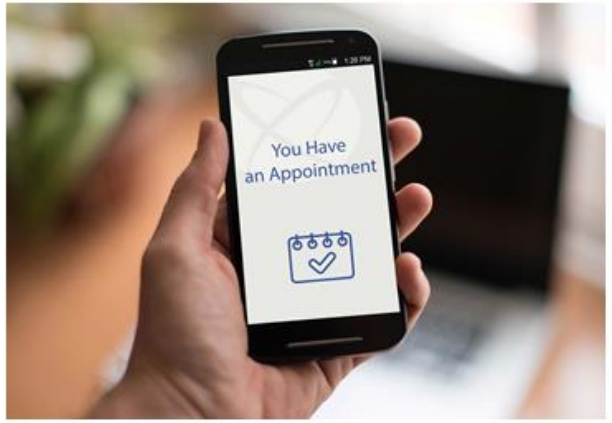
Chris Collinge

FDOH Q-Flow Upgrade Enterprise Solution Benefits

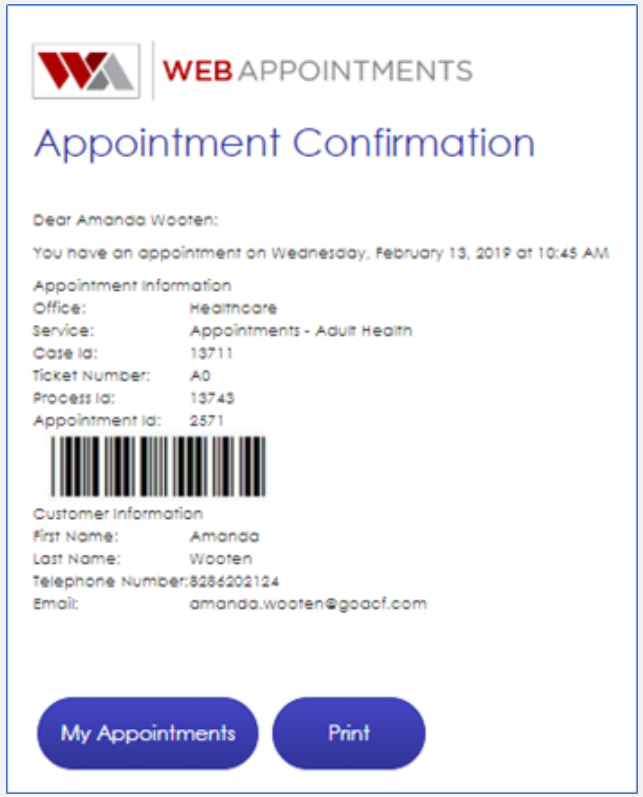
- ACF Hosted Solution (Azure Government cloud)
- Upgrade participating County Dept. of Health instances to latest Q-Flow Version
- Customer Facing Appointments Module
- Internal Manager Alerts (Herald)
- SMS Client Connect Notifications
- Public Display of Wait Times
- Customer Satisfaction Survey

Appointment Scheduling

- Online Customer Facing Appointment Scheduling based on your organizational business rules
- Appointment Scheduling made internally with your staff members
- Automated SMS and Email Reminders
- Combined with Check-In through the kiosk, a mobile device or with your receptionist



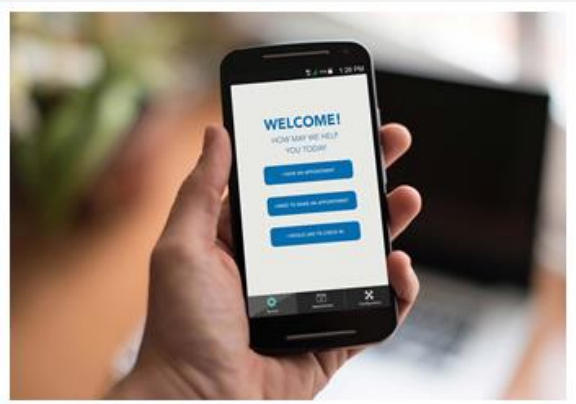
SMS and Email Appointment Notifications



- Appointment Confirmations
- Appointment Cancellations
- Appointment Reminders

Appointment Check-In

Virtual Ticketing



Self-Check-in Kiosk

Kiosk Screen

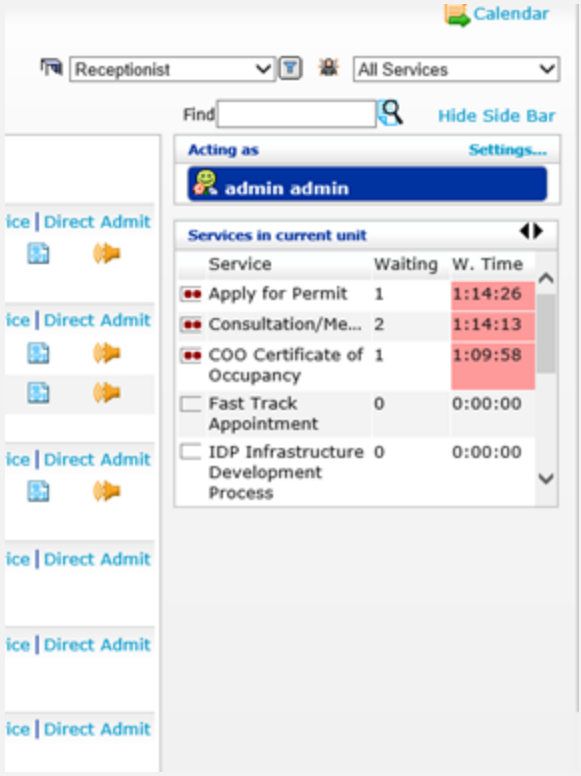
Waiting

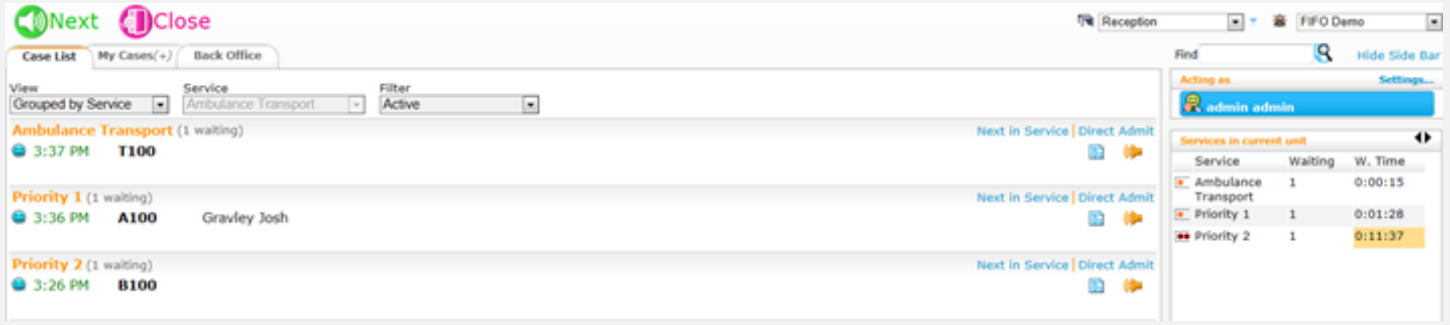
- Broadcast FDOH / CHD specific information
- Show Live TV
- Display Q-Flow information
- Visual and Audio announcements enhances ADA compliance

Servicing

Real-Time Dashboards

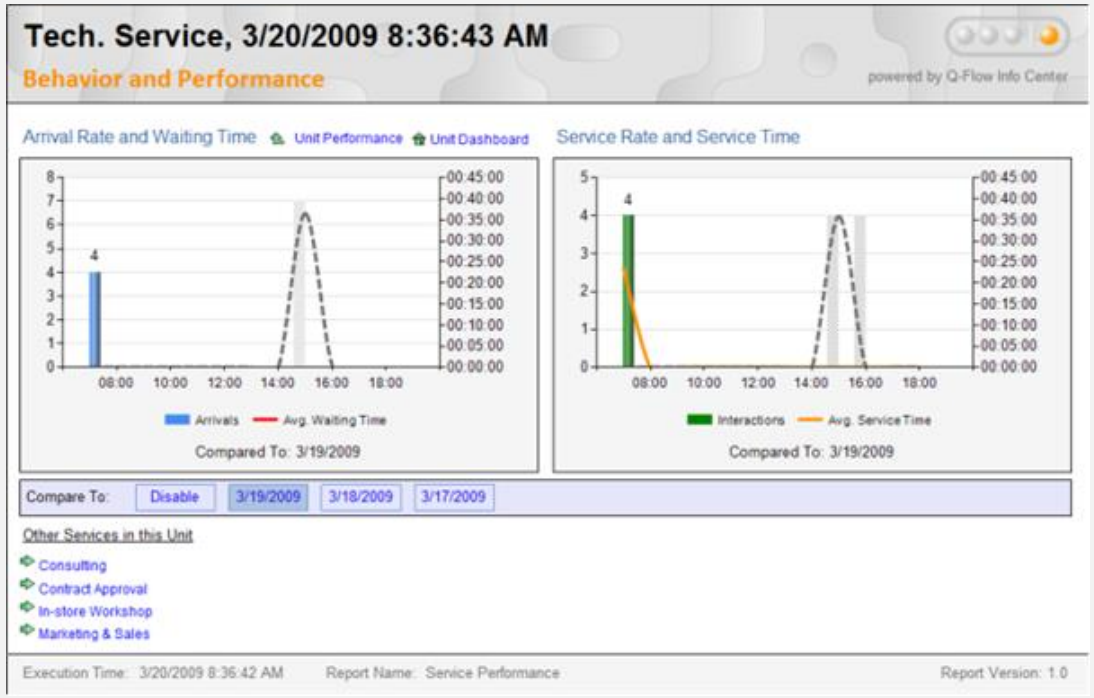
- Visual Alerts
- Organization Automation
- Customized Business Rules

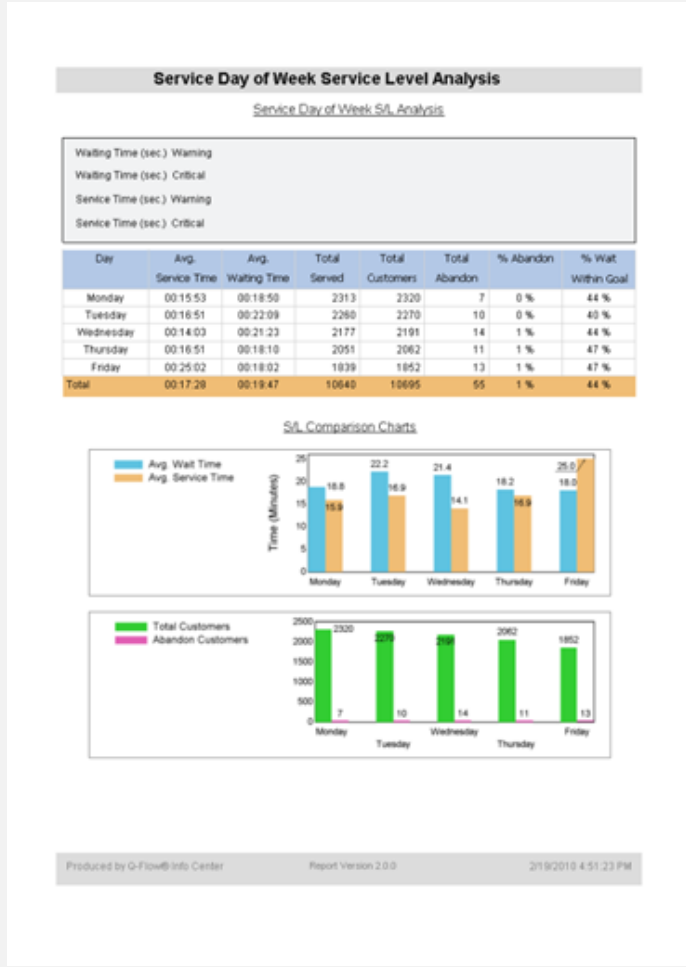




Improve How You Perform

- Historical / Ad-Hoc / Real Time Reports
- Customized Reports
- Automated Run & Deliver

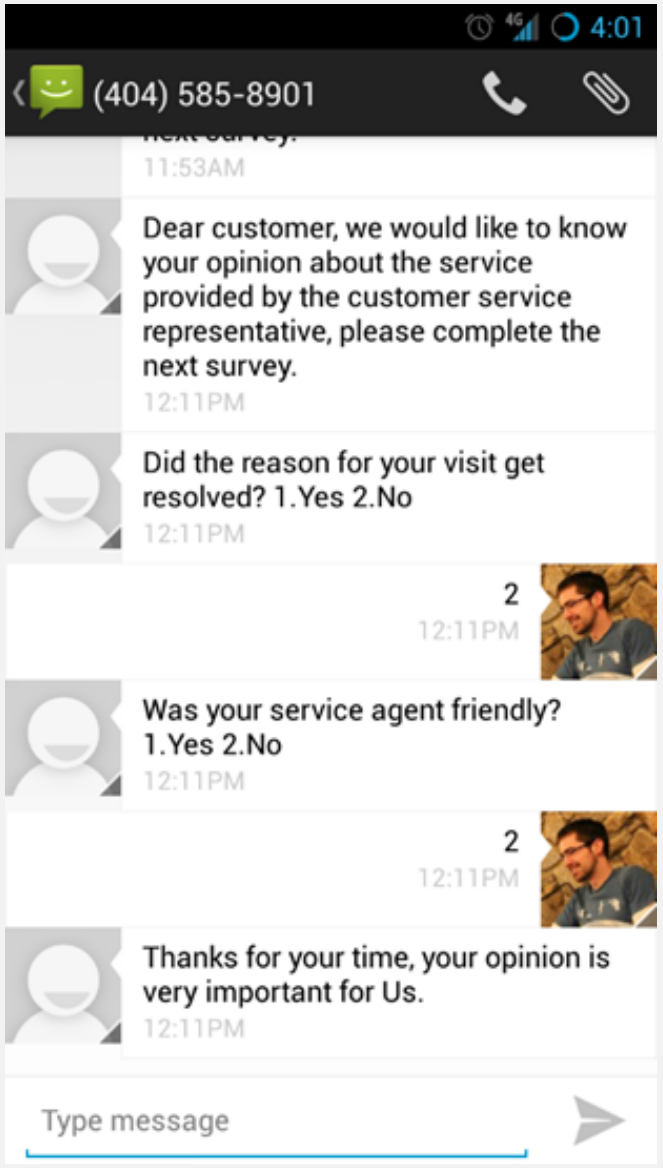




Exit Survey

- Client Satisfaction Feedback Survey
- Phone / Text/ Email / In Person
- Track feedback by case ID for an accurate picture of the customer experience.

Please evaluate the quality of our service



DOH ROI

DOH Awards for QFLOW

- Davis Productivity Award
- NACCHO Model Practice Award

Return on Investment

- Saved an estimated $350,000 in the first year implemented.
- 12 Counties consolidating to Azure-QFlow in 2019.

DOH ROI

New Benefits in Qflow

- Counties migrated to Azure-Qflow will now be able to use Scheduling, Texting and Survey modules. A package worth $100,725.00.
- More than 25% savings in software cost.
- No data center startup costs such as hardware, Windows server and SQL licenses.

Orange County Florida Department of Health

If you have any questions or suggestions, feel free to reach me using the contact details below.

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Orange County Health Department

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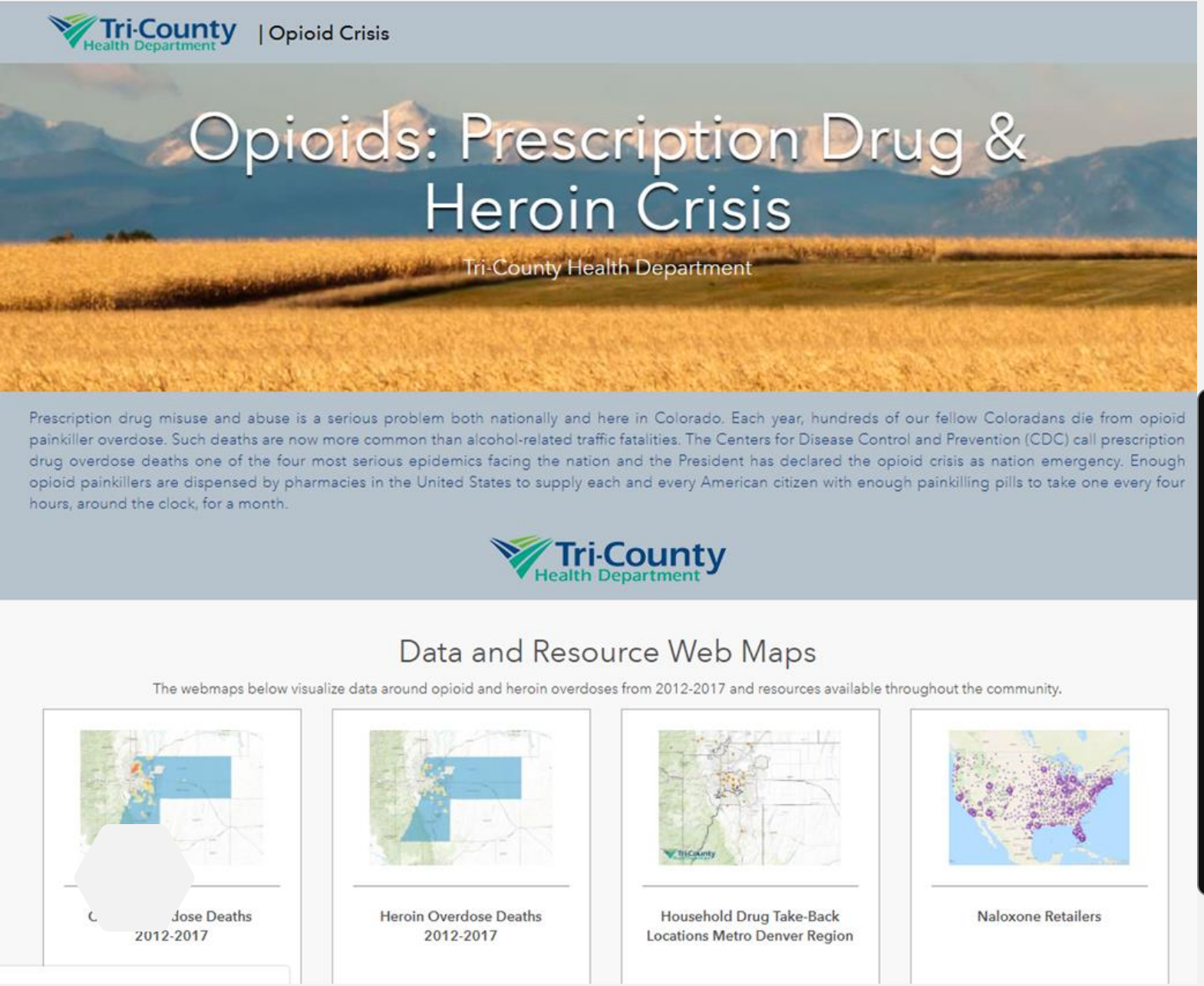
- Website: http://orange.floridahealth.gov/



Tri-County Department of Health

Using GIS to Address the Opioid Crisis

Speaker: Alyson Shupe

Tri-County Health Department

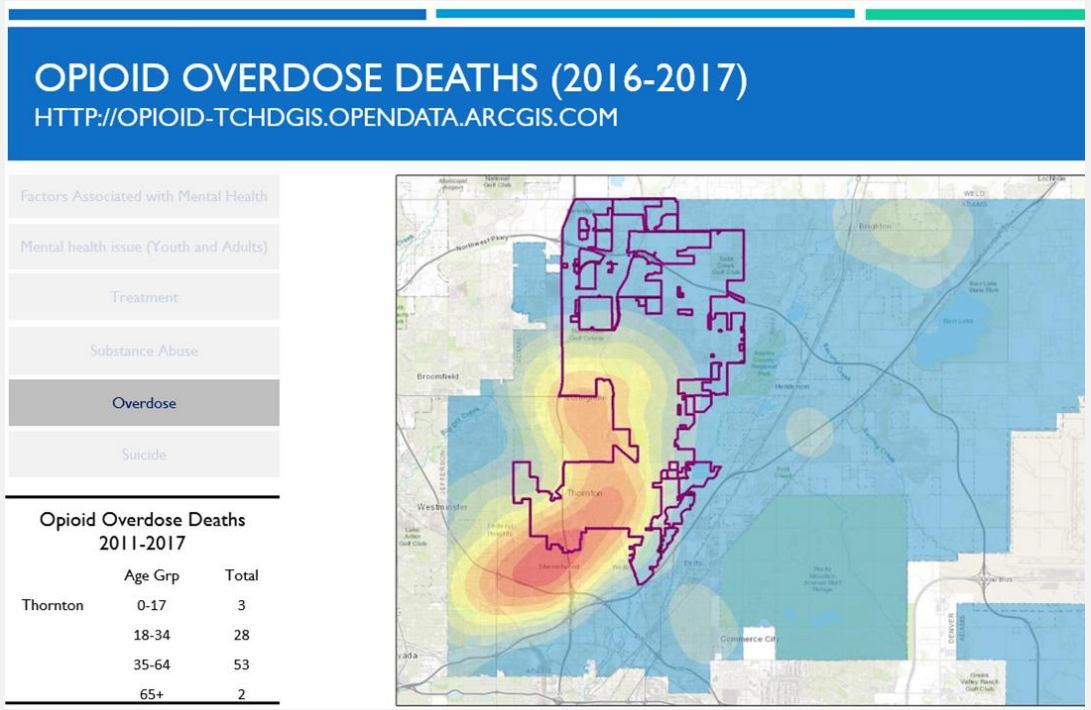
Using GIS to Address the Opioid Crisis

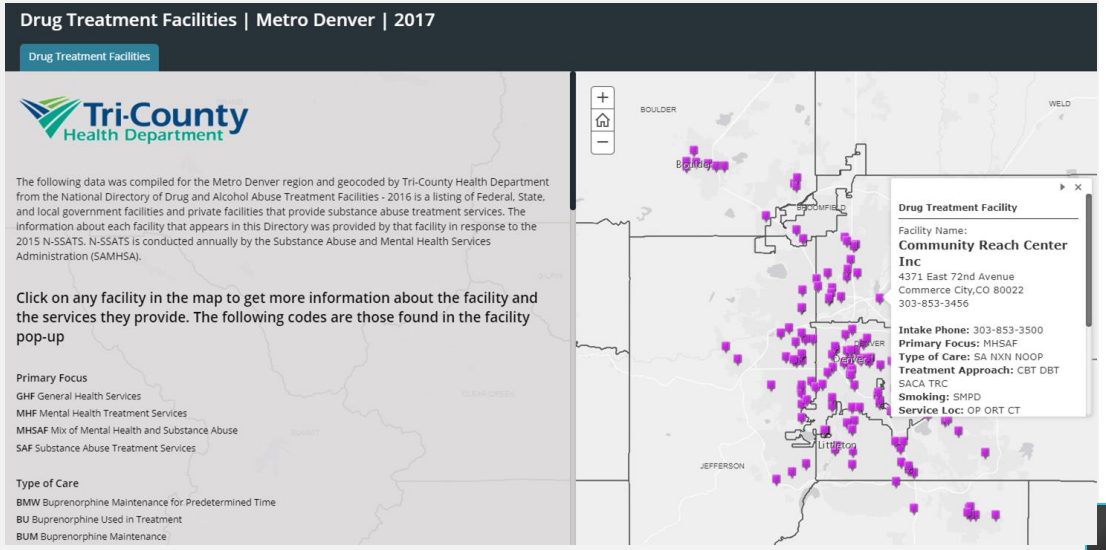
Call

- County Commissioners and other stakeholders wanted information
- Partners wanted a "one stop shop" for data
- Staff wanted a place to grab data for presentations and responses to inquiries (media, funders, etc.)
- Everyone wants data at the smallest geography possible

Response

- Created a data website using GIS and Tableau tools
- Website contains
  - Interactive maps for opioid and heroin deaths, drug take-back locations, naloxone retailers, SUD treatment facilities, mental health facilities
  - Links to key Coalitions
  - "What can we do right now" section





Tri-County Department of Health

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Tri-County Health Department

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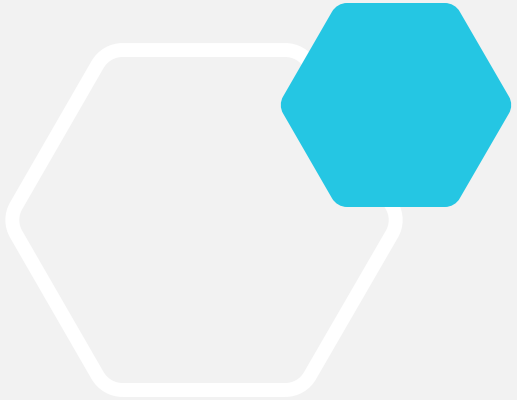

Denver Public Health

HANDI - Using a Mobile App for Mass Intervention Data Collection

Judith Shlay, MD, MSPH

DENVER PUBLIC HEALTH

HANDI

Hand-held Automated Notification for Drugs and Immunizations

A mobile data collection application developed for mass immunization and prophylaxis events and routine clinic operations

Key features include the ability to:

- Rapidly collect demographic information through scanning technology
- Facilitate intervention eligibility and contraindication assessment
- Capture standardized patient data
- Operate in a variety of network environments
- Securely transfer data to immunization registries and data repositories using HL7 standards

Specifications:

- iOS mobile app
- Web-based administration tool (HANDIMan)
- Server-based database
- Utilizes barcode/magnetic stripe scanning technology through use of “sled”

HANDI in the Field

HANDI is flexible and customizable to meet a wide range of data collection use cases and requirements

- Denver Health Employee Influenza Campaign*, Fall 2012-2018 (2018 n=7,000 employee vaccinations)
  - Accommodates employee locations and schedules
  - Vaccination times averaged 1 minute or less
  - Employee vaccination status available in real time
  - Paperless system
- Tdap vaccination during childcare worker outreach and community health fairs
- Mini-Sentinel Medical Countermeasure project
- Point of Dispensing (POD) exercises
- MI Clinic (HANDI's platform, developed by Countermind™)
  - Guam Department of Health and Social Services, used for routine immunization
  - Denver Health Healthcare Worker Monitoring Application
  - Organ Donor Registration, used by 15 states

*Published in the *Journal of the American Medical Informatics Association*, Volume 25, Issue 4, April 2018, Pages 435–439, https://doi.org/10.1093/jamia/ocx136

HANDI – Lessons Learned and Future Enhancements

HANDI users report that data entry is easy, straightforward, intuitive, and fast.

Lessons Learned:

- Importance of involving partners and establishing relationships and roles early in the project
- Complexity of mobile device management and security
- Importance of a good relationship with the software vendor
- Regular and consistent usage increases user comfort level

Future Enhancements:

- Data linkage and integration with EHRs
- Direct transfer from device to data repository (already possible with Envision's immunization registry product)
- Streamline hardware
  - Use of device camera to replace expensive scanner
  - HANDI server installation in secure cloud

Denver Public Health

If you have any questions or suggestions, feel free to reach us using the contact details below.

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Denver Public Health

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- LinkedIn:https://www.linkedin.com/company/denver-public-health
- Website: www.denverpublichealth.org

GARRETT COUNTY
HEALTH DEPARTMENT

Garret County

Replicating an Open Source Public Health Innovation

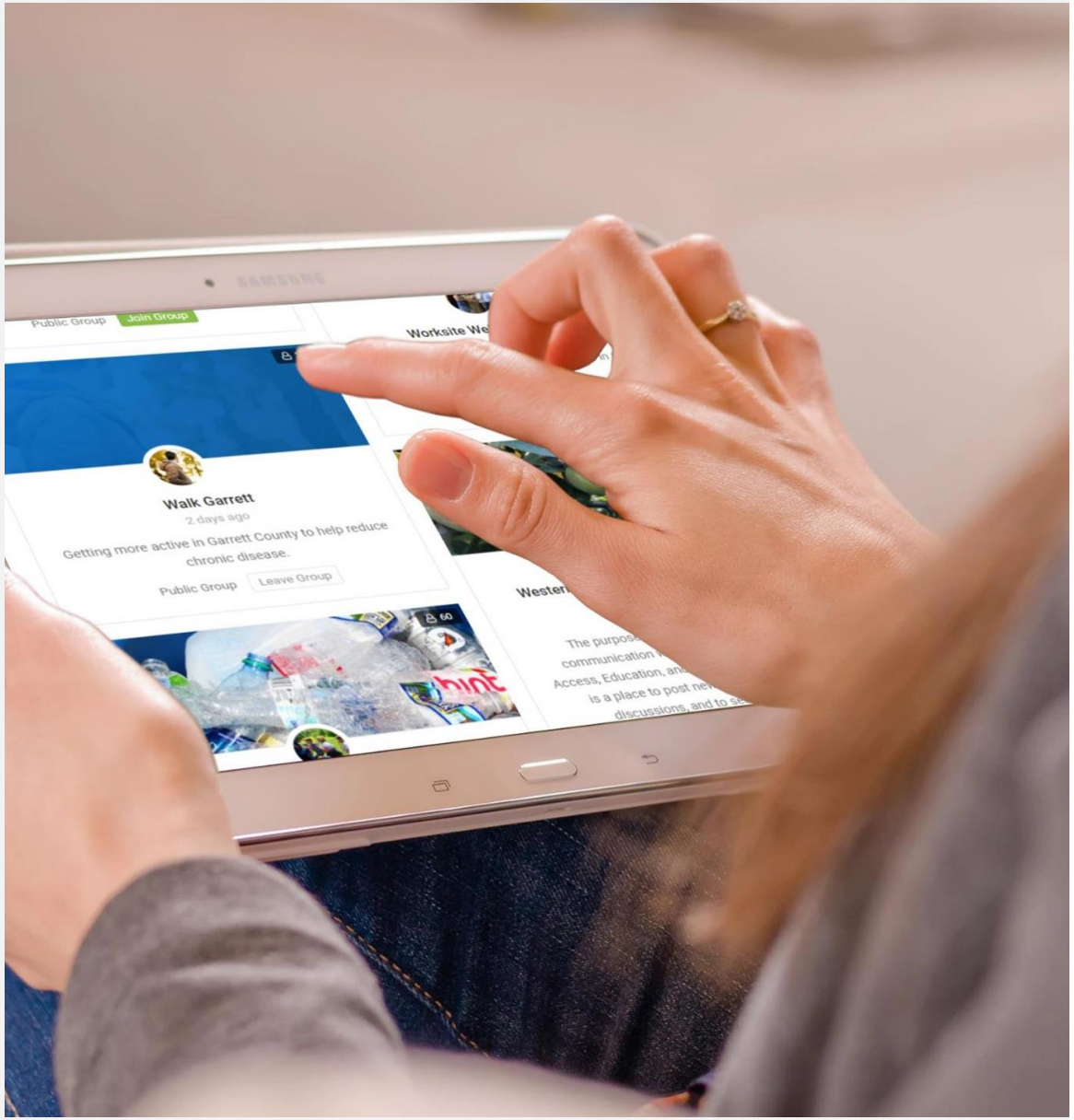
Shelley Argabrite / John Corbin

About The Planning Tool

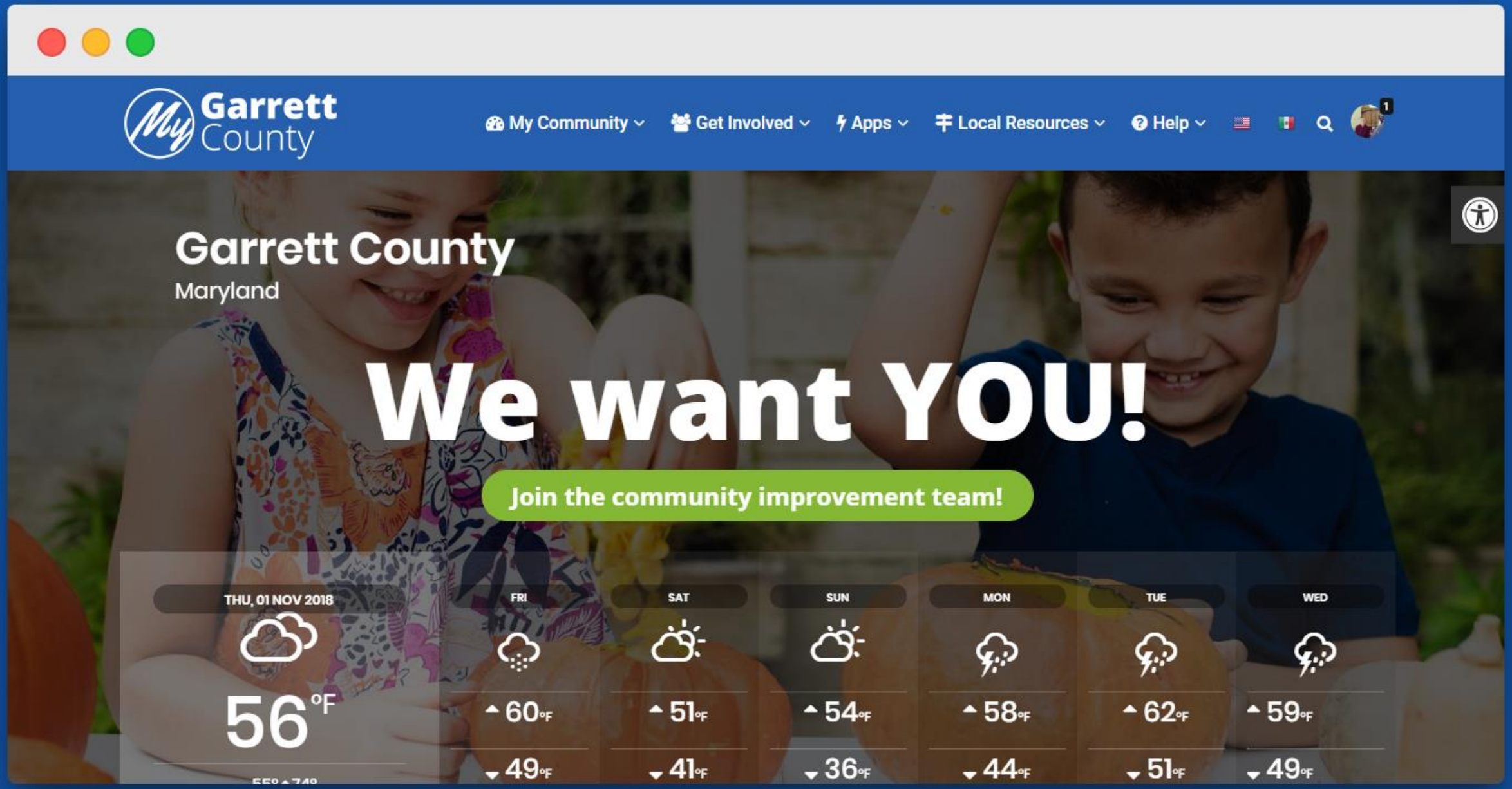
Fostering open source, population health advancement for everyone.

Key Features

- Open Source, GPLv3
- Based on WordPress
- Available on GitHub
- Templated, Modular Structure for Extendibility
- Easily Integrates w/ 3rd-Party Platforms (Tableau, Socrata, CKAN, DKAN, etc...)
- National Launch – July 2019



GARRETT COUNTY
HEALTH DEPARTMENT


My Garrett County
My Community
Get Involved
Apps
Local Resources
Help
Garrett County
Maryland
We want YOU!
Join the community improvement team!
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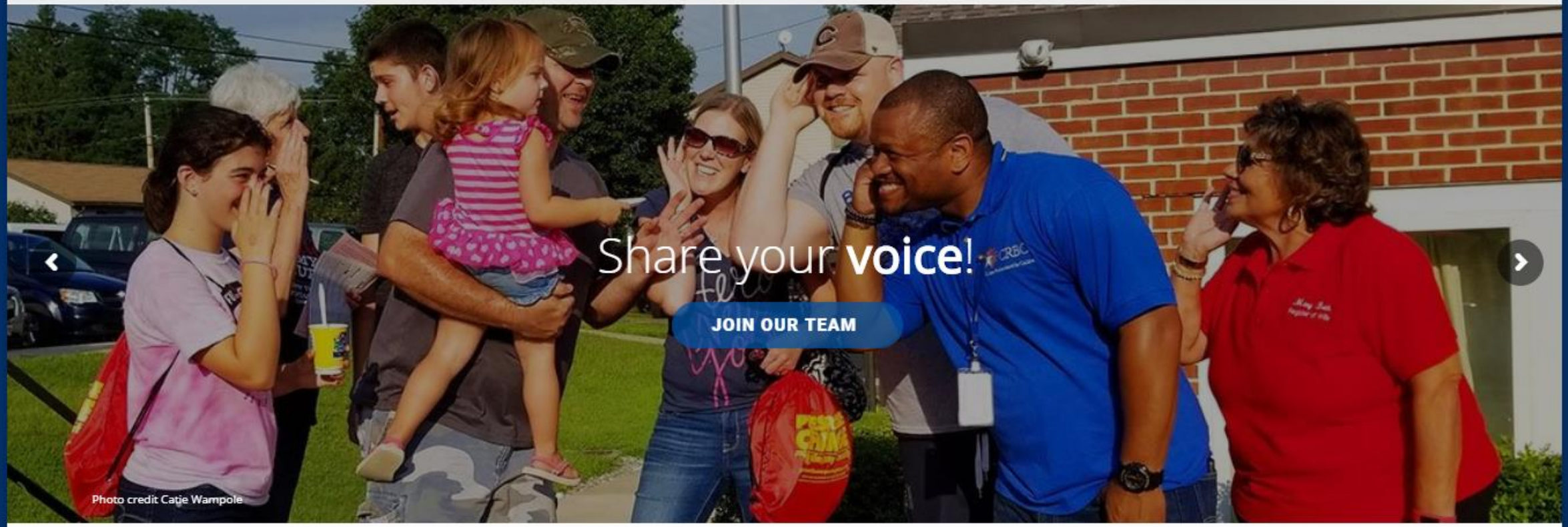
voices@alleganyspeaks.com

ALLEGANYSPEAKS.COM

Surveys | Register here! | Learn More | Get Involved | Login



Get Involved

Register here so you can see what our community is working on

Stay Involved

Join action groups and participate in the community discussions

Learn More

Read about the local health needs assessment and action plan

Check out today's trending discussions!

Living Well
MEDINA COUNTY

Home | Community | Resources | My Account | Login | Register

Welcome

Home

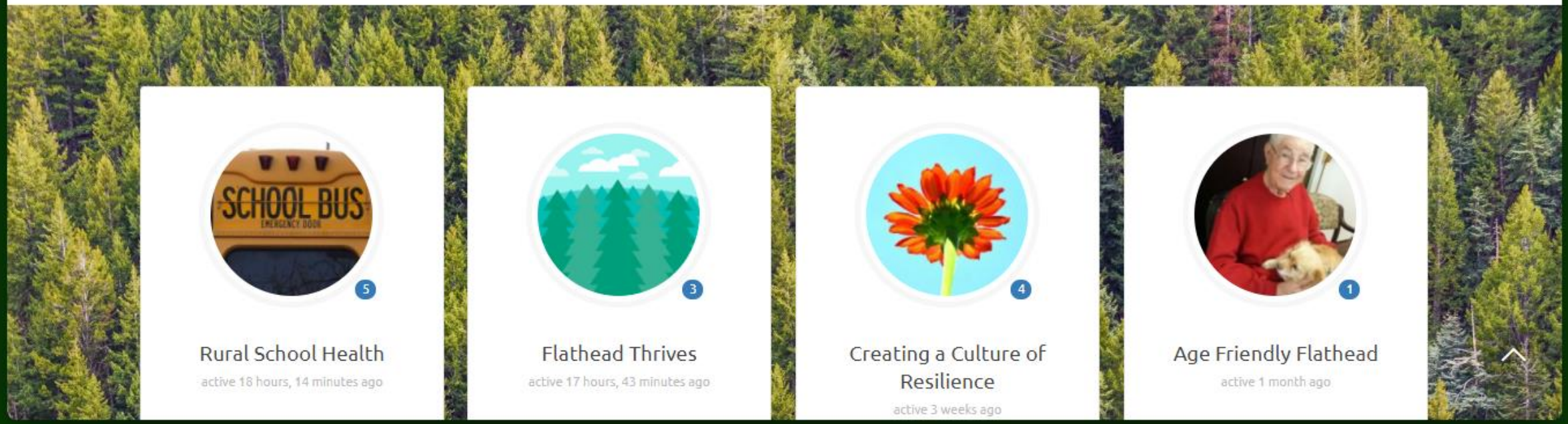
Let's work together to shape the future of our community in a positive way!

Flathead Forward

Home | Groups | Data Warehouse | Community Plans | Contact Us | Register! | Log In

FlatheadForward.com is a place for our community to turn talk into action – **together**.

Join today



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Rural School Health

active 18 hours, 14 minutes ago

3

Flathead Thrives

active 17 hours, 43 minutes ago

4

Creating a Culture of Resilience

active 3 weeks ago

1

Age Friendly Flathead

active 1 month ago

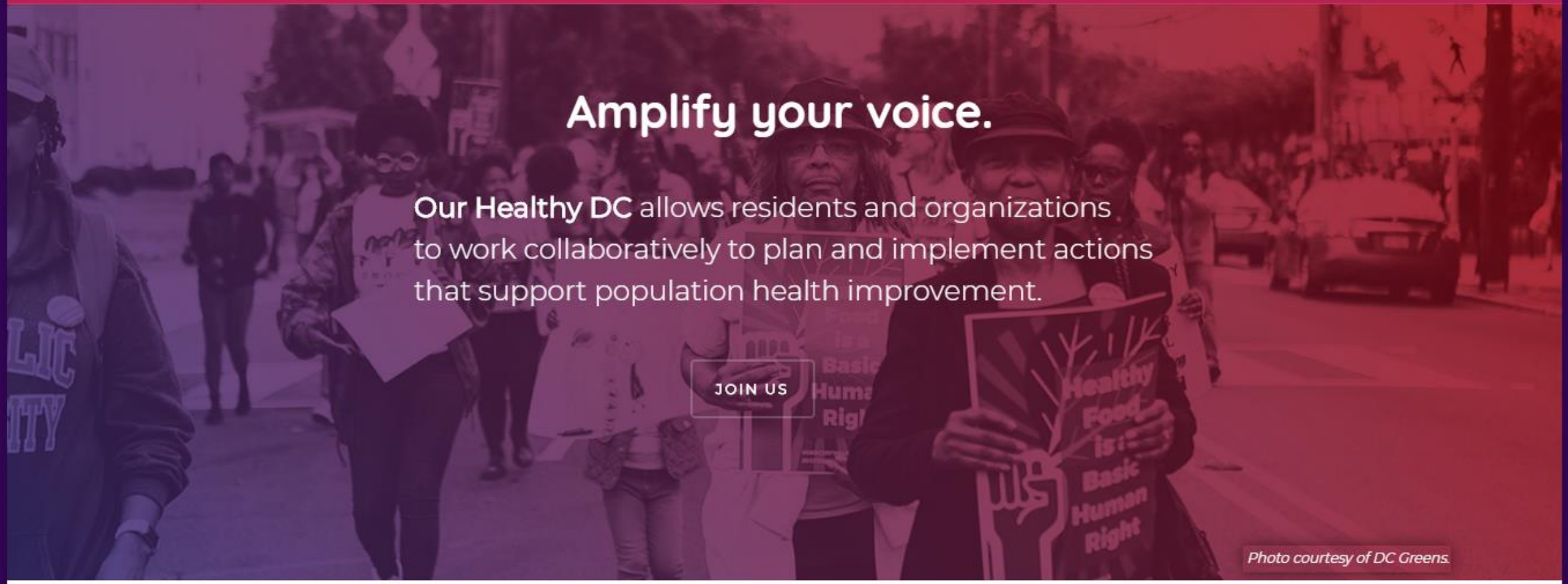
Blueprint Clackamas

Action Groups | My Community Data | Log In | Register | Upcoming Events | English | Spanish | Arabic | Russian

Blueprint Clackamas is a digital platform for community members and organizations to turn talk into action – join today!

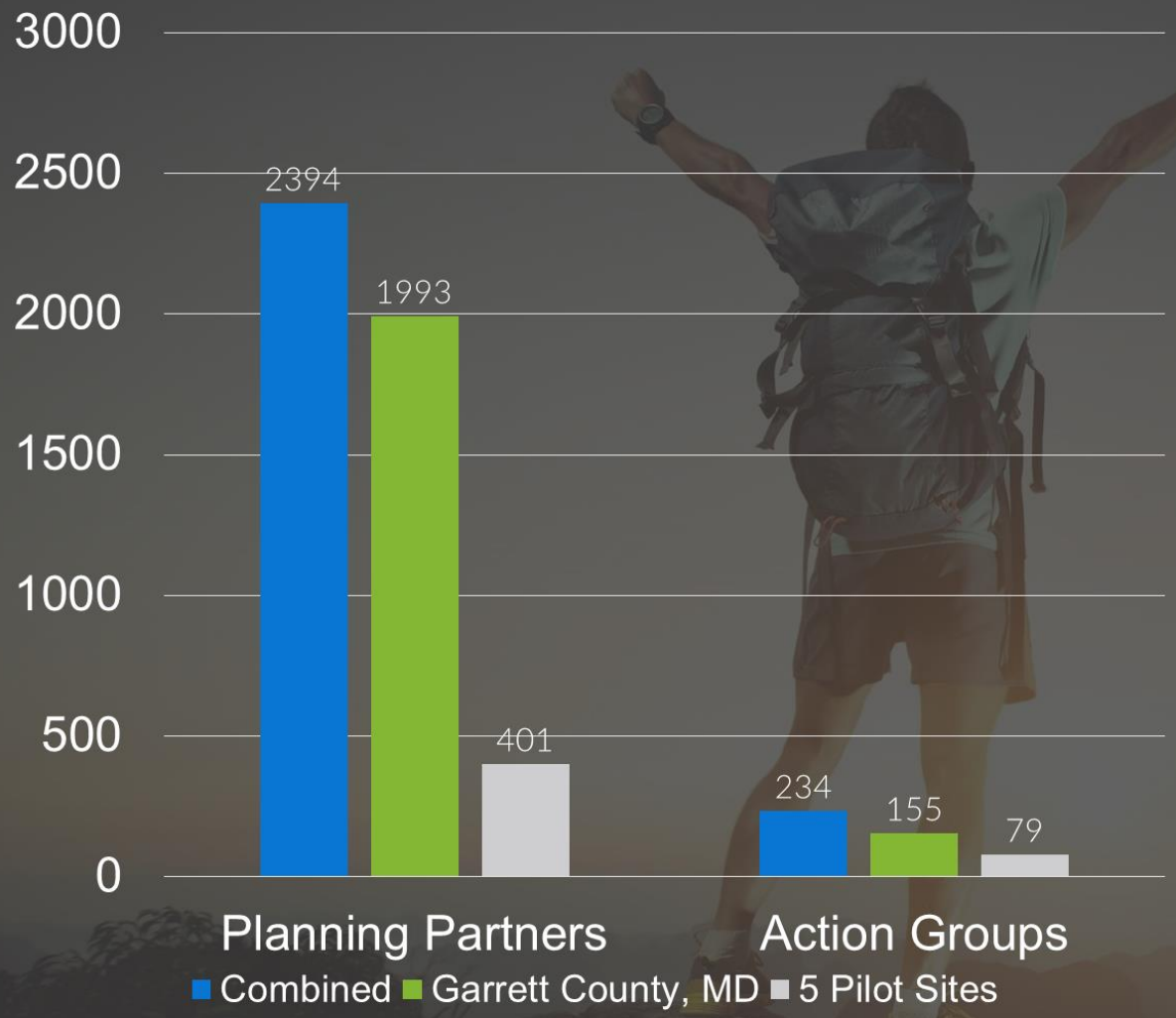
our healthyDC

Groups | City-Wide Plans | Events | Contact | Join



Groups

POWERED BY **OPEN** SOURCE



2,394

Community Stakeholders Empowered by Transparent Planning & Implementation Processes in all 6 Sites.

234 Community Action Groups Tackling Public Health, Social Determinants, & More!

Garrett County

If you have any questions or suggestions, feel free to reach me using the contact details below.

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GARRETT COUNTY
HEALTH DEPARTMENT

NACCHO's Academy of Science

- LHD Platform for data collection and calibration
- Secure sharing and benchmarks

Speaker: Jacob Holdaway

NACCHO's Academy of Science

- Different technologies
- Different methodologies
- Uncalibrated metrics
- Data security
- Benchmarking near impossible
- Individual technology cost

NACCHO's Academy of Science

LHD's platform for calibration of survey data

- LHD specific survey platform to collect, share and unify survey data.
- Forum for LHD's to benchmark and dashboard survey data in real-time
- FEDRAMP Security Standard
- Reduce technology costs

JOIN THE CONVERSATION:
ALL NACCHO Conferences
NACCHO's Virtual Communities
Webinars

NACCHO's Academy of Science

If you have any questions or suggestions, feel free to reach us using the contact details below.

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Salt Lake County

Partnership in responsible electronic waste

Speaker: Gary Edwards, Executive Director

Salt Lake County

The goals continued with partnerships via Samsung and other manufacturers.

Since 2012, the Salt Lake County Health Department has recycled over 10 million pounds of electronic waste, while saving the SLCoHD $1.8 million dollars.

Continued Successes

- Samsung has continued to support Salt Lake County Health Department. Other partners such as MRM, a manufacturer recycling consortium has also contributed a small amount of funding.
- Although County locations for diverting ewaste have decreased, successful education the public has resulted in over 10 million pounds of electronic waste being recycled since 2010. For example, the SLCoHD has partnered with a local sanitation district to advertise the program on garbage trucks.
- Educating public partners in the cost of electronic recycling and the voluntary relationship with Samsung, has spurred action to propose ewaste legislation to local State Representatives. These public entities include nonprofits, landfills, and health departments.

Challenges

- Samsung recognized that they were the only manufacturer willing to sponsor Salt Lake County in its recycling efforts and decreased its support to the program.
- Due to the lack of private funding available other local entities have taken on more responsibilities in recycling electronic waste in Salt Lake County. For example cities providing for their own collection events or Salt Lake City's Call to Haul Program.
- Unfortunately recyclers in the State of Utah have dropped more stringent recycling standards that Samsung requires. This lead the SLCoHD to ship electronic waste out of state which translates to a great amount of extra labor time and costs for the SLCoHD HHW Program.

Thank You

Angie McPherson

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