WE WILL START 2 MINUTES AFTER THE HOUR

- Slides for today's webinar can be found in the Handouts section of the GoToWebinar attendee interface
- A link to today's captions can be found in the Questions/Chat section of the GoToWebinar attendee interface
  - Submit a question if you require assistance
INTRODUCTION TO THE UDS MAPPER
ACKNOWLEDGEMENTS

This work is supported by the Health Resources and Services Administration under contract HHSH250201800033G
INTRODUCTION TO THE UDS MAP

GOTOWEBINAR ATTENDEE SCREEN

- Open/close control panel with orange arrow
- Keep control panel open by clicking View and unchecking Auto-Hide the Control Panel
- Type questions into the question box (do not raise hand)
TODAY’S SLIDES

- Slides can be found in the Handouts section of the GoToWebinar attendee interface
- UDS Mapper webinars are recorded
  - Videos, captions, slides, and supporting materials (if any) will be available on the UDS Mapper website after the files have been processed
TODAY’S AGENDA

▪ What is the UDS Mapper?

▪ Data in the UDS Mapper

▪ How to use the UDS Mapper

▪ Finding user support after the webinar
WHAT IS THE UDS MAPPER?

- An online mapping tool developed to provide access to maps, data, and analysis using Uniform Data System (UDS) and other relevant data to visualize service area information for Health Center Program (HCP) awardees and look-alikes.

- Compares HCP awardee and look-alike data to community/population data and shows spatial relationships between the program, community attributes, and other resources.
WHO CAN USE THE UDS MAPPER?

▪ The UDS Mapper is open to everyone, not just HCP awardees and look-alikes

▪ To begin using the UDS Mapper all you have to do is register for a user name and password at www.udsmapper.org

▪ More than one person from an organization can have a login for the UDS Mapper
REGISTRATION FOR A NEW ACCOUNT

- Accounts are necessary to allow you to save data that you upload to the UDS Mapper
- Complete all required fields
- Type the text you see in the image
- Click Submit
DATA MAPPED BY ZCTA

- ZIP Code Tabulation Area - an approximation of ZIP Codes from the U.S. Census Bureau
  - 2010 U.S. Census Boundaries for ZCTAs

- UDS data, 2018
  - UDS data are submitted to HRSA by HCP awardees and look-alikes every calendar year
  - Data are analyzed and prepared

- Population demographics and health (various sources)
CALCULATED LAYERS IN THE UDS MAPPER

- Penetration rates (% of target population going to health centers) and potential need
  - Low-income population
  - Total population
  - Population by insurance categories

- Change in patients and population over time (2-year and 1-year)
  - Total patients and patients by insurance categories
  - Total population and population by insurance categories
OTHER HEALTH CENTER DATA IN THE UDS MAPPER

- Health center characteristics
  - Health Center Count and Health Center Dominance

- Population not served by health centers (potential need)
  - Low-income population
  - Population by insurance categories

- Patient mix
  - Patients by insurance categories
POPULATION DATA IN THE UDS MAPPER

- Poverty level
  - Poverty (100% Federal Poverty Level (FPL))
  - Low-Income (200% FPL)
- Race and ethnicity
- Age
- Social environment
- Insurance status
- Uninsurance by income level
  - 138% FPL
  - 200% FPL
  - 138-400% FPL
CONTEXTUAL DATA IN THE UDS MAPPER (1)

- Point location of health related facilities
  - HCP awardee and look-alike administrative sites
  - HCP awardee and look-alike service delivery sites
  - Rural Health Clinics
  - National Health Service Corps (NHSC) sites
  - Facility and Point Health Professional Shortage Areas (HPSAs)
  - Hospitals
  - Veterans Health Administration sites
  - Housing and Urban Development public housing sites

- Mapping Areas of Priority for Medication-Assisted Treatment (MAP for MAT) facilities
  - Substance Abuse and Mental Health Facilities
  - Opioid Treatment Programs
  - Drug Addiction Treatment Act (DATA) Waived Providers
  - Health Centers with a DATA Waived Provider
CONTEXTUAL DATA IN THE UDS MAPPER (2)

- Medically Underserved Areas/ Populations (MUA/Ps)
- HPSAs (primary care, dental and mental health)
- Geographic boundaries including census tracts, highways
- Background options include satellite imagery, topographical maps, and street maps
OTHER DATA IN THE UDS MAPPER

- Non-geographic UDS data by organization (Information Card Deck)
- Population and MAP for MAT Indicators*
  - American Community Survey
  - HRSA Area Resource File
  - Centers for Disease Control and Prevention (CDC) Vital Statistics
  - CDC Behavioral Risk Factor Surveillance System
  - Centers for Medicare and Medicaid Services
  - Substance Abuse and Mental Health Administration

*Will not be shown today
DATA CONSIDERATIONS

▪ Patient Data
  • From the UDS
    – HCP awardees and look-alikes only
  • ZCTA only
  • If there are 10 or fewer patients from a health center in a ZCTA, those data are suppressed
  • Low-income calculations are based on 100% of patients
  • Calendar year only
  • Organization-level data only

▪ ZCTAs
  • Changing/evolving ZIP Code boundaries
WALKTHROUGH OF THE UDS MAPPER

How to use the UDS Mapper tool to:

▪ Begin exploring and comparing nearby areas for a new location
▪ Compare these areas with ZCTAs that have existing services
▪ Inspire additional questions and hone subsequent, more in-depth analyses performed outside of the UDS Mapper
Open/close control panel with orange arrow

Keep control panel open by clicking View and unchecking Auto-Hide the Control Panel

Type questions into the question box (do not raise hand)
Welcome Screen and Wizard

- Welcome screen will greet you when you first enter the Mapper.
- Contains a Wizard to help you create a service area map for BPHC opportunities.
- Optionally, skip entirely or choose which sections you want to use.
- Easily enter required information for your service area map.

The US Mapper is designed to visualize where Health Center Program grantees can help ensure that health and population health outcomes are not negatively impacted by environmental, social, and economic conditions.

To get started, simply choose "Go straight to the US Mapper without Wizard," or follow the steps below.
UDS MAPPER TOOLS: TOOL BOX

- Tool Box is in upper right corner of map (system tools are in the blue bar)
- UDS Mapper tools are in the white area beneath the blue bar
  - Active tool is indicated by a dark blue icon
  - Open, but not active tool icons are light blue
  - Unopened tool icons are gray
  - Click on icon to make that tool active
UDS MAPPER
TOOLS: LOCATOR
TOOLS, SHARE,
RESET, AND
TOOL KIT

- Locator tools: navigate and change zoom level
- Share tool: share or save your map
- Reset tool: reset all tools to default
- Tool Kit
  - Information Card
  - Legend
  - Basemaps
  - Drawing Tools
  - Data Table
  - Print
SEARCH FOR AN AREA OF INTEREST

- UDS Mapper works best at the local level
- In the Explore Service Area tool Search Box, enter the location you want to view and select correct option from drop-down box
  - Search list is organized by type of location
CHANGE BASEMAP (OPTIONAL)

- UDS Mapper starts off with a more descriptive basemap and ZCTA labels off.
- To see something that looks like the old default views use the **Boundaries & Optional Layers** tool in the Tool Box (to turn ZCTA labels on) and the **Basemaps** tool in the Tool Kit (to change to the **Canvas** basemap).
BOUNDARIES AND OPTIONAL LAYERS

- Geographic boundaries and relevant areas (e.g., HPSAs, MUA/Ps, congressional districts, etc.) can be found in this tool.

- To turn on labels for an added layer, click the **A button** to the right of the layer name.
MANIPULATING THE MAP

▪ Zooming
  • Scale tool
    – Click on the **plus (+) button** at the top right or **minus (-) button** below it
  • Double click on the map to zoom in
  • Use your mouse wheel if you have one

▪ Target button moves map to your location

▪ Panning
  • Click and hold the mouse button while on the map (cursor becomes crossed arrows) to drag/pan the map until you have it where you want it
ADD HCP LOCATIONS TO THE MAP

You can add health center locations in the Explore Service Area tool

- HCP awardee and look-alike administrative sites (larger)
- HCP awardee and look-alike service delivery sites
■ Will update with any added layers
■ Becomes scrollable as items are added
■ Will be printed when the map is printed
■ Can be hidden by clicking the down arrow in the Tool Kit to optimize screen space for the map
INFORMATION CARDS

ZCTA Information Card

49504, Grand Rapids

- Pop: Total (#) 2014-2018: 39,401
- Pop: Low-Income (#) 2014-2018: 16,938
- HCP: Total Patients (#) 2018: 7,883
- HCP: Penetration of Total Population (%): 19.5%
- HCP: Penetration of Low-Income (%): 45.4%

HCP Administrative Location Information Card

Trinity Health Corporation

- Address: 200 Jefferson Ave SE
- City: Grand Rapids
- State: MI
- ZIP Code: 49503-4502
- Community Health Center: Yes

HCP Service Delivery Site Information Card

Browning Claytor Health Center

- Organization Name: TRINITY HEALTH CORPORATION
- Address: 1245 Madison Ave SE
- City: Grand Rapids
- State: MI
EXPLORE HEALTH RELATED FACILITIES

Other facilities are found in the **Explore Health Related Facilities** tool

- Access information cards for sites
- Generate a report based on selected ZCTAs and selected facilities, including HCP locations (shown at end of presentation)
OVERLAPPING LAYERS

- Layers may overlap one another
- You can toggle them to understand the data in your new layers
Remember that relevant geographies can be found in the **Boundaries & Optional Layers** tool. Add **Medically Underserved Areas/Populations (MUA/Ps)** to see designated areas, for example.
MAIN MAPS: POPULATION DATA

- You can add layers that will color in areas based on values for certain population or patient datasets
- Open the **Main Maps** tool and select **Population** or **UDS Data** to see these layers
Remember the patient data in the UDS Mapper are derived from the UDS, so we are only seeing information related to the health centers that report into the UDS.

Penetration rates (low-income penetration shown) measure how much need is being met by the HCP for the selected population.
You can only have one map on at a time in the Main Maps tool.

UDS data are derived from both awardees and look-alikes, so the default in the UDS Mapper is Combined data, but you can select to see only Awardee data or only Look-Alike data.
The only exceptions to the one-map-at-a-time rule
- Turn on to place a map on top of other Main Maps
- Quickly assess the density of potential need
- Each dot represents 100 people with potential need from that ZCTA (dots are randomly placed within the ZCTA)
SELECTING ZCTAS

Use the Explore Service Area tool

▪ Search for your area on the map and then click directly on ZCTA
▪ Enter ZCTA or ZIP Code in the Search box and add directly
▪ Easily select many ZCTAs
  • Copy and paste a list of ZIPs/ ZCTAs from your spreadsheet
  • Select state or counties to add all ZCTAs in those areas
  • Use paintbrush to select all ZCTAs you cross with your mouse
**SELECTED ZCTAS**

- Selected ZCTAs will be covered in a black, dotted pattern and listed in the **Selected ZCTAs** box in the Explore Service Area tool.

- Click the **red X** next to the ZCTA number in the Selected ZCTAs box to deselect.
After selecting ZCTAs, you can open the Data Table.

All data from the Information Cards, Main Maps, and Population Indicators can be added to the Data Table.

Data can be exported.
DRAWING TOOLS

You can annotate maps in the UDS Mapper using Drawing Tools

- Add points or shapes
- Trace important boundaries
- Add labels
**PRINTING**

- Print your map to take out of the UDS Mapper
- Adjust prior to printing
- Add title, choose which items to include in the printout
- Print or Print to PDF options available
EXPORTING IMAGE FILES

- Export map and data file
- Select image size and orientation
- Click Export Images
Option allows you to create a separate report in the **Explore Health Related Facilities** tool

- Select ZCTAs of interest using the **Explore Service Area** tool

- Select facilities in the **Explore Service Area** tool and/or the **Explore Health Related Facilities** tool

- Click **Generate, View Report**

- New tab will open with print preview
User support is available throughout the UDS Mapper site

Most of the help resources are found in the Tutorials & Resources section of the site
THANK YOU!

If you have additional questions or feedback after the conclusion of this presentation, please use the Contact Us form provided on the UDS Mapper Site:

https://www.udsmapper.org/contact-us.cfm

or contact the Bureau of Primary Health Care:

https://www.bphc.hrsa.gov

Sign up for the

Primary Health Care Digest
CONNECT WITH HRSA

To learn more about HRSA, visit:

www.HRSA.gov

Sign up for the HRSA eNews:

Follow HRSA: