

DATA IN THE UDS MAPPER

The screenshot displays the UDS Mapper web application interface. At the top left is the "UDS Mapper" logo. The top navigation bar includes links for "HOME", "ABOUT", "UDS MAPPER", "UPCOMING EVENTS", "TUTORIALS & RESOURCES", and "CONTACT US", along with a "Help" button. A search bar is located at the top left of the map area. The main map shows the United States with a grid of colored ZCTAs (blue, orange, red, yellow). On the left side of the map are navigation controls: a search bar, zoom in (+), zoom out (-), home, full screen, and a "C" button. On the right side is the "Explore Service Area" panel, which includes a search bar, a "Selected ZCTAs" list, and a table for "Health Center Program Sites".

UDS Mapper

HOME ABOUT UDS MAPPER UPCOMING EVENTS TUTORIALS & RESOURCES CONTACT US

Help

Search address or place

Explore Service Area

Select a mode to explore your area of interest

By Geography By Patient Origin By Distance

Search for a place on the map and manually select ZCTAs for analysis. Use special tools to select many ZCTAs at once.

Search address, place, ZCTA, or health center name

Selected ZCTAs

Go to Selected Area Clear Selection

Health Center Program Sites Information Card

<input type="checkbox"/> Health Center Administrative Locations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Health Center Service Delivery Sites	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Select Map Item to View Information Card

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA

ACRONYMS USED IN THIS LESSON

Acronym	What It Stands For
CDC	Centers for Disease Control and Prevention
CHIP	Children's Health Insurance Program
FPL	Federal Poverty Level
HC	Health Center
HCP	Health Center Program
HPSA	Health Professional Shortage Area
HRSA	Health Resources & Services Administration
MAP for MAT	Mapping Areas of Priority for Medication-Assisted Treatment
PUMA	Public Use Microdata Area
UDS	Uniform Data System
ZCTA	ZIP Code Tabulation Area

PATIENT AND POPULATION DATA

- Patient data are derived from the UDS Patients by ZIP Code table from all health centers
 - UDS data are submitted to HRSA by HCP awardees and look-alikes (collectively referred to as “health centers”) every calendar year
- A variety of demographic data including health, economic, and social factor data are also available

DATA IN THE UDS MAPPER: GEOGRAPHIC LEVEL (1)

- The majority of data in the UDS Mapper are shown by ZCTA using 2010 ZCTA boundaries
- Why does the UDS Mapper use ZCTAs?
 - Health centers report patients by ZIP Code; however, ZIP Codes are U.S. Postal Service mail delivery driving routes
 - Sometimes a postal delivery route crosses county or state lines
 - ZCTAs approximate the area covered by ZIP Codes
 - ZCTAs are created by the U.S. Census Bureau

DATA IN THE UDS MAPPER: GEOGRAPHIC LEVEL (2)

- In most cases, a ZIP Code matches a ZCTA
- For reference, the ZIP Code to ZCTA Crosswalk shows all ZIP Codes and corresponding ZCTAs: <https://udsmapper.org/zip-code-to-zcta-crosswalk/>

WHERE TO FIND DATA IN THE UDS MAPPER

Data are displayed in a variety of tools

- Explore Service Area tool
- Main Maps tool
- Population Indicators tool
- MAP for MAT Indicators
- Explore Health Related Facilities tool
- ZCTA Information Cards
- Health Related Facility Information Cards
- Health Center Information Cards and Information Card Decks
- Data Table

SOURCE: UDS DATA (2019)

Data	Where these data are used
<ul style="list-style-type: none">▪ Patients by Insurance Type by ZIP Code table	<ul style="list-style-type: none">▪ Explore Service Area tool<ul style="list-style-type: none">• Information Card• Data Table▪ Main Maps<ul style="list-style-type: none">• Information Card
<ul style="list-style-type: none">▪ Awardee-level data on:<ul style="list-style-type: none">• Patient Demographics• Patient Characteristics• Quality• Services• Costs	<ul style="list-style-type: none">▪ Explore Service Area tool<ul style="list-style-type: none">• Information Card Deck

INFORMATION CARD DECK DATA (1)

Category	Available Data
<ul style="list-style-type: none">▪ Patient Demographics	<ul style="list-style-type: none">▪ HC: Total Patients (#)▪ HC: Male (%)▪ HC: Female (%)▪ HC: Under 18 (%)▪ HC: 18-64 (%)▪ HC: 65 and Older (%)▪ HC: Females Aged 15-44 (%)▪ HC: Racial and/or Ethnic Minority (%)▪ HC: Black/African American (%)

INFORMATION CARD DECK DATA (2)

Category	Available Data
<ul style="list-style-type: none">▪ Patient Demographics (continued)	<ul style="list-style-type: none">▪ HC: Asian (%)▪ HC: American Indian/Alaska Native (%)▪ HC: Native Hawaiian/Other Pacific Islander (%)▪ HC: Non-Hispanic White (%)▪ HC: More than One Race (%)▪ HC: Hispanic/Latino (%)▪ HC: Best Served in a Language Other than English (%)

INFORMATION CARD DECK DATA (3)

Category	Available Data
<ul style="list-style-type: none">▪ Patient Characteristics	<ul style="list-style-type: none">▪ HC: Patients at/below 100% FPL (%)▪ HC: Patients at/below 200% FPL (%)▪ HC: Uninsured (%)▪ HC: Children Uninsured (% of Children 0-17)▪ HC: Medicaid/CHIP (%)▪ HC: Medicare (%)

INFORMATION CARD DECK DATA (4)

Category	Available Data
<ul style="list-style-type: none">▪ Patient Characteristics (continued)	<ul style="list-style-type: none">▪ HC: Dually Eligible (%)▪ HC: Other Public (Non-CHIP) and Private Insurance (%)▪ HC: Homeless (%)▪ HC: Agricultural Worker or Dependents (%)▪ Health Center Located in or Immediately Adjacent to a Public Housing Site (%)▪ School-Based Health Center (%)▪ HC: Veterans (%)

INFORMATION CARD DECK DATA (5)

Category	Available Data
<ul style="list-style-type: none">Quality	<ul style="list-style-type: none">HC: Hypertension (% of medical patients)HC: Diabetes (% of medical patients)HC: Asthma (% of medical patients)HC: Symptomatic/Asymptomatic HIV (% of medical patients)HC: Prenatal Care Patients (#)HC: Prenatal Care Patients Who Delivered (#)HC: Early Entry into Prenatal Care (first visit in first trimester) (#%)

INFORMATION CARD DECK DATA (6)

Category	Available Data
<ul style="list-style-type: none">Quality (continued)	<ul style="list-style-type: none">HC: Low Birth Weight (% of live births)HC: Weight Assessment and Counseling for Nutrition and Physical Activity for Children and Adolescents (%)HC: Body Mass Index (BMI) Screening and Follow-Up Plan (%)HC: Tobacco Use Screening and Cessation Intervention (%)HC: Colorectal Cancer Screening (%)HC: Screening for Depression and Follow-Up (%)

INFORMATION CARD DECK DATA (7)

Category	Available Data
<ul style="list-style-type: none">Quality (continued)	<ul style="list-style-type: none">HC: Cervical Cancer Screening (%)HC: Childhood Immunization Status (%)HC: Dental Sealants for Children between 6-9 Years (%)HC: Use of Appropriate Medications for Asthma (%)HC: Statin Therapy for the Prevention and Treatment of Cardiovascular Disease (%)HC: Ischemic Vascular Disease (IVD): Use of Aspirin or Another Antiplatelet (%)HC: HIV Linkage to Care (%)HC: Controlling High Blood Pressure (%)HC: Diabetes: Hemoglobin A1c Poor Control (%)

INFORMATION CARD DECK DATA (8)

Category	Available Data
<ul style="list-style-type: none">Services	<ul style="list-style-type: none">HC: Medical Patients (%)HC: Dental Patients (%)HC: Mental Health Patients (%)HC: Substance Use Disorder Patients (%)HC: Vision Patients (%)HC: Enabling Services Patients (%)HC: Other Professional Patients (%)
<ul style="list-style-type: none">Costs	<ul style="list-style-type: none">HC: Health Center Service Grant (\$)HC: Total Accrued Costs (excluding donations) (\$)HC: Total Accrued Costs per Total Patient (\$)

POPULATION DATA IN THE UDS MAPPER (1)

Source/Data	Where these data are used
<ul style="list-style-type: none"> ▪ American Community Survey <ul style="list-style-type: none"> • Total Population Count • Poverty and Low-Income • Race and Ethnicity • Uninsured by Income Level • Insurance Status* • Age • Non-Employment • Limited English Proficiency • Less Than High School Education • Disability Status • Veterans 	<ul style="list-style-type: none"> ▪ Explore Service Area tool <ul style="list-style-type: none"> • Information Cards • Data Table ▪ Main Maps ▪ Population Indicators
<ul style="list-style-type: none"> ▪ HRSA Area Resource File* <ul style="list-style-type: none"> • Low Birth Rate <p style="text-align: right;">*imputed data</p>	<ul style="list-style-type: none"> ▪ Population Indicators ▪ Explore Service Area tool <ul style="list-style-type: none"> • Data Table

POPULATION DATA IN THE UDS MAPPER (2)

Source/Data	Where these data are used
<ul style="list-style-type: none">▪ CDC Behavioral Risk Factors Surveillance System*<ul style="list-style-type: none">• Ever been told have diabetes?• Ever been told have high blood pressure?• Obesity?• No dental visit in past year?• Delayed care due to high cost?• No usual source of care?• Smoker?• Binge drinker? <p style="text-align: right;">*imputed data</p>	<ul style="list-style-type: none">▪ Population Indicators▪ Explore Service Area tool<ul style="list-style-type: none">• Data Table

POPULATION DATA IN THE UDS MAPPER (3)

Source/Data	Where these data are used
<ul style="list-style-type: none"> ▪ Other CDC Data <ul style="list-style-type: none"> ▪ Age-Adjusted Mortality Rate* • Drug Poisoning Mortality Rate • Retail Opioid Dispensing Rate* <p style="text-align: right;">*imputed data</p>	<ul style="list-style-type: none"> ▪ Population Indicators ▪ MAP for MAT Indicators ▪ Explore Service Area tool <ul style="list-style-type: none"> • Data Table
<ul style="list-style-type: none"> ▪ Centers for Medicare and Medicaid Services <ul style="list-style-type: none"> • Part D Opioid Prescribing Rate 	<ul style="list-style-type: none"> ▪ MAP for MAT Indicators

CALCULATED AND IMPUTED DATA IN THE UDS MAPPER

Data	Where these data are used
<ul style="list-style-type: none">▪ Penetration rates▪ Not served (thematic and dot density)▪ Change in patient usage of health centers (1- and 2-year)▪ Population and insurance trends▪ Uninsurance by income level▪ Population health outcomes	<ul style="list-style-type: none">▪ Explore Service Area tool<ul style="list-style-type: none">• Information Cards• Data Table▪ Main Maps▪ Population Indicators

HEALTH RELATED FACILITIES

SOURCE: HRSA DATA WAREHOUSE

Data	Where these data are used
<ul style="list-style-type: none">▪ HCP Awardees and Look-Alikes▪ HCP Awardee and Look-Alike Service Delivery Sites	<ul style="list-style-type: none">▪ Explore Service Area tool
<ul style="list-style-type: none">▪ Rural Health Clinics▪ National Health Service Corps Sites▪ Facility and Point HPSAs▪ Veterans Health Administration Facilities▪ Hospitals	<ul style="list-style-type: none">▪ Explore Health Related Facilities tool

HEALTH RELATED LOCATIONS (1)

Source/Data	Where these data are used
<ul style="list-style-type: none">▪ HRSA Data Warehouse<ul style="list-style-type: none">• Medically Underserved Areas/Populations• Primary Care HPSA• Dental Care HPSA• Mental Health Care HPSA	<ul style="list-style-type: none">▪ Boundaries & Optional Layers
<ul style="list-style-type: none">▪ Housing and Urban Development<ul style="list-style-type: none">• Public Housing Facilities	<ul style="list-style-type: none">▪ Explore Health Related Facilities tool

HEALTH RELATED LOCATIONS (2)

Source/Data	Where these data are used
<ul style="list-style-type: none">Substance Abuse and Mental Health Services Administration<ul style="list-style-type: none">Substance Use Treatment and Mental Health FacilitiesOpioid Treatment ProgramsDATA Waived Providers	<ul style="list-style-type: none">Explore Health Related Facilities toolMAP for MAT Indicators
<ul style="list-style-type: none">HRSA<ul style="list-style-type: none">Health Centers with a DATA Waived Provider	<ul style="list-style-type: none">Explore Health Related Facilities tool

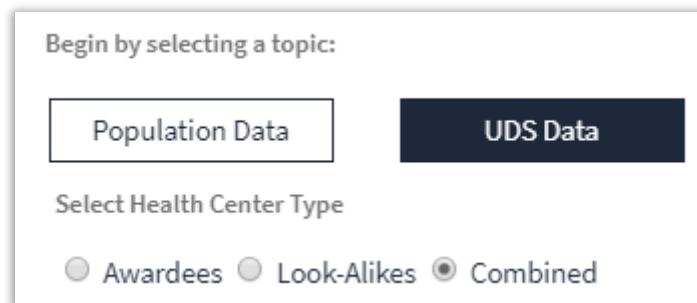
CONTEXTUAL DATA IN THE UDS MAPPER

Data	Where these data are used
<ul style="list-style-type: none">▪ Geographic Boundaries<ul style="list-style-type: none">• States, Counties, PUMAs, ZCTAs, ZIP Codes, Census Tracts, Census Block Groups, County Subdivisions▪ Highways▪ Background Options<ul style="list-style-type: none">• Satellite imagery• Topographical maps• Street maps▪ Health Policy<ul style="list-style-type: none">• Primary Care Service Areas• Hospital Referral Regions• 116th US Congress	<ul style="list-style-type: none">▪ Boundaries & Optional Layers

MAIN MAPS UDS DATASET

When selecting data in the UDS Data section of Main Maps, you can choose between **Health Center Types**

- **Awardees** only
- **Look-Alikes** only
- **Combined** (default, includes awardee and look-alike data)



Begin by selecting a topic:

Select Health Center Type

Awardees Look-Alikes Combined

DATA SHOWING POTENTIAL NEED (1)

Data representing the number of people who do not go to health centers can be found in two places in Main Maps

1. UDS Data: Not Served by Health Centers

The screenshot shows the 'UDS Data' filter menu in the UDS Mapper application. The menu is open, showing various options for filtering data. The 'UDS Data' tab is selected, and the 'Population Data' tab is also visible. The 'Select Health Center Type' section has three radio buttons: 'Awardees', 'Look-Alikes', and 'Combined', with 'Combined' selected. The 'Select an Indicator' section has one radio button: 'No Main Map Selected'. Below this, there are four expandable sections: 'Penetration', 'Percent Change', 'Health Center Characteristics', and 'Not Served by Health Centers'. The 'Not Served by Health Centers' section is expanded, showing four indicators: 'HCP: Low-Income Not Served by Health Centers (#)', 'HCP: Uninsured Not Served by Health Centers (#)', 'HCP: Medicaid/ Public Ins. Not Served by Health Centers (#)', and 'HCP: Medicare/ Private Ins. Not Served by Health Centers (#)'. Each indicator has an information icon (i) to its right.

DATA SHOWING POTENTIAL NEED (2)

2. UDS or Population Data: Not Served by Health Centers Dot Density

- Dot density layers can be added to any Main Map
- One dot = 100 people not seen by health centers within the ZCTA
- Dots are randomly placed within the ZCTA

The screenshot shows a legend panel with two tabs: 'Population Data' (selected) and 'UDS Data'. Under 'Population Data', there are several expandable categories: 'Population and Insurance Trends', 'Age', 'Social Environment', and 'Uninsurance by Income Level'. The 'Not Served (Dot Density)' category is expanded, showing a list of layers with checkboxes. Below the list, there is a note: 'Add these layers to the map to see potential need for health center services on top of any other Main Map.'

Layer Name	Checked
HCP: Low-Income Not Served by Health Centers (#)	<input type="checkbox"/>
HCP: Uninsured Not Served by Health Centers (#)	<input type="checkbox"/>
HCP: Medicaid/ Public Ins. Not Served by Health Centers (#)	<input type="checkbox"/>
HCP: Medicare/ Private Ins. Not Served by Health Centers (#)	<input type="checkbox"/>

INFORMATION CARDS

- Information Cards are boxes that appear in the Tool Kit in the lower left corner of the map as you move your cursor
- There are Information Cards for:
 - ZCTAs when in the Explore Service Area tool
 - ZCTAs when in the Main Maps tool
 - Health centers when in the Explore Service Area tool
 - Other facilities when in the Explore Health Related Facilities tool
 - User-added data in the Map My Data tool

43215, Columbus	
Pop: Total (#) 2015-2019:	15,291
Pop: Low-Income (#) 2015-2019:	4,026
HCP: Total Patients (#) 2019:	2,256
HCP: Penetration of Total Population (%):	14.75 %
HCP: Penetration of Low-Income (%):	56.04 %
HCP: Health Center Count 2019:	7
<i>Health Centers with Largest Market Share 2019</i>	
	Share of Patients
LUTHERAN SOCIAL SERVICES OF CENTRAL OHIO	31.91 %
SOUTHEAST, INC.	27.35 %
COLUMBUS NEIGHBORHOOD HEALTH	16.84 %

INFORMATION CARD DECK

QUALITY: ADJUSTED QUARTILE RANKINGS

- Rankings calculated by HRSA based on performance in quality measures
- HRSA ranks performance and assigns quartiles 1, 2, 3, and 4 after adjusting for certain factors such as
 - Minority patient population
 - Uninsured patient population
 - Special patient population
- More information available on HRSA's Health Center Adjusted Quartile Ranking Frequently Asked Questions
 - <https://bphc.hrsa.gov/datareporting/reporting/rankingfaq.html>

MEASURES INCLUDED

Adjusted rankings may include

- Early Entry into Prenatal Care
- Low Birth Weight
- Weight Assessment and Counseling for Nutrition and Physical Activity for Children and Adolescents
- Body Mass Index (BMI) Screening and Follow-Up Plan
- Tobacco Use Screening and Cessation Intervention
- Colorectal Cancer Screening
- Screening for Depression and Follow-Up Plan
- Cervical Cancer Screening
- Childhood Immunization Status
- Use of Appropriate Medications for Asthma
- Diabetes: Hemoglobin A1c Poor Control
- Dental Sealants for Children 6-9 Years
- Statin Therapy for the Prevention and Treatment of Cardiovascular Disease
- Ischemic Vascular Disease (IVD): Use of Aspirin or Another Antiplatelet
- Controlling High Blood Pressure
- HIV Linkage to Care



END OF LESSON

Proceed to the next lesson to continue learning how to use the UDS Mapper

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