## Beginner: Using the UDS Mapper

# The webinar will begin 5 minutes after the hour





## Introduction to the UDS Mapper

**UDS** Mapper

Logout





### Agenda

- What is the UDS Mapper?
- Data in the UDS Mapper
- How to use the UDS Mapper
- How to find help after the webinar



*Health*Landscape

# What is the UDS Mapper?

- An online mapping tool developed by the AAFP's Robert Graham Center, as part of the *HealthLandscape* mapping platform
- Developed for the Bureau of Primary Health Care using UDS data analyzed and prepared by John Snow, Inc. (JSI) and other relevant data to provide access to maps, data and analysis to visualize service area information for Health Center Program (HCP) grantees and lookalikes
- Compares HCP grantee and look-alike data to community/population data and shows spatial relationships between the program, community attributes and other resources



*Health*Landscape

www.udsmapper.org

# Who Can Use the UDS Mapper?

- The UDS Mapper is open to everyone, not just Health Center Program grantees and look-alikes
- To begin using the UDS Mapper all you have to do is register for a username and password at <u>www.udsmapper.org</u>
- More than one person from an organization CAN have a login for the UDS Mapper



*Health*Landscape

## Register for a New Account

#### Registration

| Creating an account will allow you to access all platforms including udshapper organic healthandscape | Creating an account w | vill allow you to access | II platforms including | udsmapper.org an | d healthlandscape.o |
|---|-----------------------|--------------------------|------------------------|------------------|---------------------|
|---|-----------------------|--------------------------|------------------------|------------------|---------------------|

-

#### **Create Your Account**

| U | ser | ma  | me |  |
|---|-----|-----|----|--|
| * | Em  | ail |    |  |

\* Confirm Email:

Your Email

Your Email

#### Password

A minimum of 8 characters including 1+ upper case letters, 1+ lower case letters and 1+ numbers.

| * Password:        |                   |
|--------------------|-------------------|
| * Retype Password: |                   |
| About You          |                   |
| * First Name:      | Your First name   |
| * Last Name:       | Your Last name    |
| * ZIP Code:        | ZIP Code          |
| * Title:           | Title             |
| * Organization     |                   |
| Name:              | Organization Name |

Type: Select an organization

#### Site Access

Indicate sites which you will be using.

UDS Mapper

HealthLandscape

#### Terms of Use

Please read the terms of use carefully.

#### Web Site Terms and Conditions of Use

1. Terms

By accessing this web site, you are agreeing to be bound by these web site Terms and Conditions of Use, all applicable laws and regulations, and agree that you are responsible for compliance with any applicable local laws. If you do not agree with any of these terms, you are prohibited from using or accessing this site. The materials contained in this web site are protected by applicable copyright and trade . .

I agree to the Terms of Use

\* Indicates a required field Submit



Ξ





ROBERT GRAHAM CENTER

View Privacy Policy

HealthLandscape

\* Organization

### Data in the UDS Mapper

- Data mapped by ZCTA
  - Uniform Data System (UDS) data, 2012
    - UDS Data submitted to HRSA by Health Center Program grantees and look-alikes every calendar year
    - Data analyzed and prepared by John Snow, Inc.
  - 2010 US Census boundaries for ZCTAs
- What is a ZCTA?
  - ZIP Code Tabulation Area- an approximation of ZIP Codes from the US Census Bureau



*Health*Landscape

## Data in the UDS Mapper

- Calculated layers
  - Penetration of low-income and total populations
  - ZCTA-level low-income population not served by HCP grantees (2 layers)
  - Change in patients over time (for grantees)
- Demographic layers (2007-2011 American Community Survey)
  - Percent poverty
  - Percent low-income
  - Percent non-white
  - Percent Hispanic

- Percent Black
- Percent Asian
- Percent American
   Indian/ Alaska Native



### HealthLandscape

www.udsmapper.org

# Data in the UDS Mapper

- Other data in the UDS Mapper
  - Point location of health care providers
    - Health Center Program (HCP) Grantees and Look-Alikes
    - HCP Grantee and Look-Alike Service Access Points
    - Rural Health Clinics
    - National Health Service Corps (NHSC) Sites
    - Facility and Point HPSAs (CHCs, HCP-LAs, RHCs, and tribal organization facilities)
    - Hospitals
  - Medically Underserved Areas/ Populations
  - Health Professional Shortage Areas (Primary Care)
  - Geographic boundaries including census tracts, congressional districts, etc.
  - Highways
  - Background options include satellite imagery, topographical maps, and street maps

*Health*Landscape

www.udsmapper.org



# Data Considerations

- UDS Data
  - Health Center Program grantees 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
- ZCTAs
  - Changing/evolving ZIP Code boundaries



*Health*Landscape

# Walkthrough of 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



*Health*Landscape

www.udsmapper.org

AAFP Center for Policy Studie.

## Go to Area of Interest

#### **UDS** Mapper

500 mi

< 20%

20 - 40%

40 - 60%

HealthLandscape

Legend





www.udsmapper.org

13 of 33

Logout

# Map View Layout

**UDS** Mapper

# Full Screen- gets rid of browser window so you can see more map

Logout

14 of 33



### *Health*Landscape

www.udsmapper.org

AAFP Center for Policy Studie

CENTER

### Legend

- Will update with any added layers
- Scrolls to the left and right as items are added
- Will be printed when the map is printed
- Can be hidden by clicking the down arrow to optimize screen space for the map



*Health*Landscape

www.udsmapper.org

AAFP Center for Policy Studie

# Rollovers

#### UNITY HEALTH CARE, INC.

| Address:                  |       | 1220 12th St Se Ste 120 |
|---------------------------|-------|-------------------------|
| City:                     |       | WASHINGTON              |
| State:                    |       | DC                      |
| ZIP Code:                 |       | 20003-3733              |
| Community Health Center   |       | Yes                     |
| Migrant Health Center:    |       | No                      |
| Health Care for the Homel | less: | Yes                     |
| Public Housing:           |       | No                      |
| Look-Alike: 22182 Vienna  |       | No                      |
|                           |       |                         |

#### Minnesota Avenue Health Center

| Organization Name: | UNITY HEALTH CARE, INC. |
|--------------------|-------------------------|
| Address:           | 3924 Minnesota Ave Ne   |
| City:              | WASHINGTON              |
| State:             | DC                      |
| ZIP Code:          | 20019-2661              |
| Hours Per Week:    | 78                      |
| Operation:         | Full-Time               |
| Schedule:          | Year-Round              |
|                    |                         |

#### 20019, Washington

| 52,232            |  |
|-------------------|--|
| 26,361            |  |
| 20,583            |  |
| 39.4 %            |  |
|                   |  |
| 78.0 %            |  |
|                   |  |
|                   |  |
| nway 20016, V 8 m |  |
| Share of Patients |  |
| 86.3 %            |  |
| 3.3 %             |  |
| 22207 Arin 3.0 %  |  |
|                   |  |
| 2.7 %             |  |
| 2.3 %             | dsmapper.org   |
|                   | <u> </u>   |
|                   | 52,232<br>26,361<br>20,583<br>39.4 %<br>78.0 %<br>8<br>Share of Patients<br>86.3 %<br>3.3 %<br>3.0 %<br>2.7 %<br>2.3 % |

### Health Center Admin Site Rollover: Grantees and Look-Alikes

### Health Center Service Access Point Rollover: Grantees and Look-Alikes

### **ZCTA Rollover**



16 of 33

AFP Center for Policy Studie

# Manipulating the Map

- Zooming
  - Scale tool
    - Click on the plus (+) sign at the top or minus (-) sign at the bottom
    - Click on the line representing the scale you want to go to
    - Click and drag the selector up and down the scale tool
  - Double click twice on the map
  - Use your mouse wheel if you have one
  - Click on a nub.

want it

Panning

*Health*Landscape



Click and hold the mouse button while on the map to drag/ pan the map until you have it where you



191, Restor

2017 Herndon

220.66

# **Optional Layers**



*Health*Landscape

Health Care **Facilities** can be found in the **Explore** Service Area Tool. These all have rollovers that can be turned on and off.



Basemaps and optional layers (HPSA, MUA, congressional boundaries, etc. can be found here. Labels can be turned on and off for most layers.



# www.udsmapper.org

18 of 33

# Optional Layers: Hidden under Others

#### **UDS** Mapper

*Health*Landscape



19 of 33





#### www.udsmapper.org

AAFP Center for Policy Studie

# Main Map: Only One Layer at a Time

#### UDS Mapper

Logout

20 of 33





AAEP Center for Policy Studies

#### www.udsmapper.org

*Health*Landscape

Gix

# Selecting ZCTAs for Analysis

- Click on map- click once on a ZCTA to select/ unselect a ZCTA
  - ZCTAs can only be selected at a scale of "County" or less (8<sup>th</sup> line down on scale bar or higher)
- Use Explore Service Area tool
  - Enter ZCTA or ZIP Code and add directly
  - Enter County or State to zoom to area and then click on map to select ZCTAs
  - Use paint brush to select all ZCTAs you cross with your mouse
  - Unselect by scrolling over the ZCTA in the box and click the red X
- Selected ZCTAs will become shaded in black

point. Check the boxes below to add health care facilities and designated areas. Explore Service Area by Geography O by Patient Origin O by Distance Search to Go or Select ZIP Code, County, State or Health Center ٣ Go Add Selected ZCTAs 20785 20784 20781 20722 20710 20737 20706 20712 20782 Clear Selected ZCTAs Go to Selected Areas

Explore Service Area Tool

Select an area by geography, by health center

patient origin, or by driving time/distance to a



*Health*Landscape

www.udsmapper.org

## Selected ZCTAs

### UDS Mapper

*Health*Landscape





22 of 33

Logout

#### www.udsmapper.org

AAFP Center for Policy Studies

## ZCTA Data Table View

*Health*Landscape

|          |                   |          | 19200 - T.A.                                    | iste 9 Deservation                             |                                   |                                  |   |  |                              |               |  | L. Contract             |     |
|----------|-------------------|----------|---|--|-----------------------------------|----------------------------------|---|--|------------------------------|---------------|--|-------------------------|-----|
|          | Home              | A        | bout   Tuto                                     | nais & Resources                               |                                   |                                  |   |  |                              |               | HealthLandscape  | Contact                 | US  |
| Мар      | Data Chart        | Graph    | Explore Ser                                     | vice Area Tool                                 |                                   |                                  |   | Draw   | t Tools (C                   |               | Main Maps  |                         | ΰ×  |
| •        | Combined 🔘 C      | Brantees | Look-Alikes                                     |  |                                   |                                  | 6   | /iew Analysis Rea                              | Expor                        | t             | Explore Service Area                                   | Tool 💽                  | ٥×  |
| ZCTA     | Post Office       | State    | # of Health<br>Centers<br>Serving ZCTA,<br>2012 | Dominant Health Center, 2012                   | Total<br>Population,<br>2007-2011 | Low-Income<br>Pop, 2007-<br>2011 | Total # Health<br>Center<br>Patients,<br>2012 | Unserved (by<br>HCP<br>Grantees)<br>Low-Income | Penetration of<br>Low-Income | Pene<br>Total | Washington, D. C.,                                     | District of C<br>Go Add |     |
| Summary: |                   |          |   |  | 190,373                           | 55,173                           | 7,563   | 47,610   | 13.70 %                      | 3.97 %        | Selected ZCTAs   | 00704                   | 21  |
| 20785    | Hyattsville       | MD       | 7   | GREATER BADEN MEDICAL SERVICES                 | 35,467                            | 8,501                            | 1,046   | 7,455  | 12.30 %                      | 2.94 %        | 20785 20784  | 20781                   |     |
| 20784    | Hyattsville       | MD       | 7   | MARY'S CENTER FOR MATERNAL & CHILD CARE        | 28,801                            | 8,744                            | 1,115   | 7,629  | 12.75 %                      | 3.87 %        | 20706 20712  | 20782                   | ŀ   |
| 20781    | Hyattsville       | MD       | 6   | MARY'S CENTER FOR MATERNAL & CHILD CARE<br>INC | 11,898                            | 2,874                            | 507   | 2,367  | 17.64 %                      | 4.26 %        |  |                         |     |
| 20722    | Brentwood         | MD       | 6   | MARY'S CENTER FOR MATERNAL & CHILD CARE<br>INC | 5,429                             | 2,106                            | 323   | 1,783  | 15.33 %                      | 5.94 %        |  |                         |     |
| 20710    | Bladensburg       | MD       | 6   | MARY'S CENTER FOR MATERNAL & CHILD CARE<br>INC | 9,150                             | 3,582                            | 345   | 3,237  | 9.63 %                       | 3.77 %        |  |                         |     |
| 20737    | Riverdale         | MD       | 7   | MARY'S CENTER FOR MATERNAL & CHILD CARE<br>INC | 20,944                            | 7,605                            | 1,202   | 6,403  | 15.80 %                      | 5.73 %        |  |                         |     |
| 20706    | Lanham            | MD       | 8   | MARY'S CENTER FOR MATERNAL & CHILD CARE<br>INC | 37,274                            | 8,233                            | 858   | 7,375  | 10.42 %                      | 2.30 %        | Go to Selected Areas                                   | Clear Selected ZCT      | As  |
| 20712    | Mount Rainier     | MD       | 7   | MARY'S CENTER FOR MATERNAL & CHILD CARE<br>INC | 9,071                             | 3,376                            | 504   | 2,872  | 14.92 %                      | 5.55 %        | Health Care Facilitie                                  | s Rollove               | s   |
| 20782    | Hyattsville       | MD       | 7   | MARY'S CENTER FOR MATERNAL & CHILD CARE        | 32,339                            | 10,152                           | 1,663   | 8,489  | 16.38 %                      | 5.14 %        | Administrative Lo                                      | ocations                |     |
|          |                   |          |   |  |                                   |                                  |   |  |                              |               | <ul> <li>Health Center Se<br/>Access Points</li> </ul> | ervice 🗸                |     |
|          |                   |          |   |  |                                   |                                  |   |  |                              |               | NHSC Sites (by<br>Primary Care Pr<br>FTEs)             | # of<br>ovider 🛛 🖌      | 0   |
| •        |                   | _        |   |  |                                   |                                  |   |  |                              | •             | Rural Health Clir                                      | nics 🗸                  |     |
| -        |                   |          | -   |  |                                   |                                  | -   |  |                              | 0             | <ul> <li>Hospitals</li> </ul>                          | ×                       | ) , |
| State    | alth Contors So   | wing 701 | M To  | otal Population, 2007-2011                     | Unserved (by HC                   | P Grantees) Low                  | -Income 🗹 % F                                 | op in Poverty, 07                              | -11                          |               | Basemaps and Optio                                     | nal Layers              |     |
| Domina   | ant Health Center | er, 2012 | IA, 2012 🕑 Li<br>🚺 Te                           | otal # Health Center Patients, 2012            | Penetration of To                 | tal Pop                          | ✓ % L   | Ion-White, 07-11                               | 07-11                        |               | Layer Controls   |                         |     |
| •        |                   | .,       |   |  |                                   |                                  |   |  |                              | ►             | Login And Account S                                    | ettings                 | 0   |
|          |                   |          |   |  |                                   |                                  |   |  |                              |               |  |                         |     |



### www.udsmapper.org

AAFP Center for Policy Studic

Logout

# View Analysis Results

*Health*Landscape

| Analysis Results  |   |            |                            |   |  |                          | ×   |
|---|---|------------|----------------------------|---|--|--------------------------|-----|
| Total # HCP Grantee<br>Patients   | Total Population<br>2011                | , 2007-    | Penetration of Tota<br>Pop |   | Unserved (by HCP<br>Grantees) Total Pop                | Low-Income Pop 07-1      | 11  |
| 7,333   |   | 190,373    |                            | 3.85%   | 183,040  | 55,173.                  | .00 |
|   |   |            |                            |   |  |                          |     |
| Enter TOTAL patients to be  | served 9000                             |            |                            |   |  |                          |     |
| Enter TOTAL NEW patients  | tobeserved 80                           | 00         |                            |   |  |                          |     |
| Enter NEW LOW INCOME p  | atients to be serve                     | d 7000     |                            |   |  |                          |     |
| Label Value Description   |   |            |                            |   |  |                          |     |
| Se  | rvice Area Total Pop                    | ulation    | 190,373                    |   | Total (Census) population for defined Target Area zips |                          |     |
| Current (2  | 012) HCP Grantee Pa                     | atients    | 7,333                      |   | Residents of defined Target Ar                         | rea counted as a patient |     |
| Current HCP Grantee P   | enetration Rate - Tota                  | al Pop.    | 3.85%                      | 3.85% Percent of total target population using an HCP ( |  |                          | Н   |
| Current Total Pop. Unserved by HCP Grantees 183,040 Count of target area residents not using an HCP |   |            |                            |   | not using an HCP                                       |                          |     |
| Total Pop. Target for proposed site 8,000 Total New Patients to be served by proposed site          |   |            |                            |   |  |                          |     |
| % HCP Grantee Unser   | ved Total Pop. Targ                     | geted      | 4.37%                      |   | Percent of Target Area resi                            | idents not currently     | V   |
| * Note: Low-Income penetra  | tion and need ass<br>lation > 200% of p | umes all o | current users to be        | low inco  | me - watch for HCP Grantee                             | Save to Ex               | cel |



#### www.udsmapper.org

AFP Center for Policy Studic

# Advanced Tools: by Patient Origin

#### **UDS** Mapper

HealthLandscape

Logout





www.udsmapper.org

AAFP Center for Policy Stud

# Advanced Tools: by Distance

#### **UDS** Mapper

HealthLandscape





26 of 33

Logout

#### www.udsmapper.org

AAFP Center for Policy Studie.

### 27 of 33

# **Advanced Tools: Population Indicators**

#### **UDS** Mapper

Logout





www.udsmapper.org

AAFP Center for Policy Studies

CENTER

## More Tools: Tools Menu

#### **UDS** Mapper

HealthLandscape



www.udsmapper.org

AAEP Center for Policy S

GRAHAM

CENTER

28 of 33

Logout

# Drawing Tools





www.udsmapper.org

*Health*Landscape

AAFP Center for Policy Studic

# Printing the Map



About

Logout

Print Preview: Zoom in and out/ adjust map before printing!

Home

Choose what to print: Choose to print the map by itself directly to your printer or create a PDF of the map, data table or both

ZCTAS





www.udsmapper.org

*Health*Landscape

Administrative Locations

HCP Look-Alks Administrative Locations

AAFP Center for Policy Studies

# Clearing the Map

### UDS Mapper







*Health*Landscape

AAFP Center for Policy Studies

31 of 33

# Tutorials and Resources

#### UDS Mapper

me About Tutorials & Resources

#### **Tutorials & Resources**



#### Webinars & Presentations

Attending a webinar or in-person presentation is one of the best ways to learn how to properly and effectively use the UDS Mapper. View our list of upcoming webinars and presentations, and sign up for one today!

read more



#### Tutorials

A variety of how-to materials are provided to help you use the UDS Mapper, including a user guide, videos, animated presentations, and more! Use these resources to teach yourself how to use the UDS Mapper at your own pace.

read more >



#### Knowledge Base

The Knowledge Base contains FAQs, a Glossary of terms used within the website, and Data Definitions. Type a key word or phrase into the search bar to find related articles. If you cannot find what you are looking for, feel free to **contact us**!

read more >



#### Data Sources and Definitions

Data sources and definitions are provided for each dataset reported within the UDS Mapper. You can also read an explanation of our methodology for obtaining ZCTA-level data estimates.

read more >



#### Glossary

Definitions are provided for words used within the UDS Mapper website. You can also use the Knowledge Base to sparch for a particular classory item by knowledge

Return Return to your session in the UDS Mapper

#### View Demo

Learn how you can use the tool to improve community health

READ >

**HealthLandscape** 

GO 🕨

#### Attend a Webinar

Live webinars offer a chance to learn and ask questions

#### **Quick Links**

What is the UDS Mapper? Tutorials & Resources FAQs Webinar Training Contact Us About HealthLandscape Logout

Contact Us



### *Health*Landscape

#### www.udsmapper.org

AAFP Center for Policy Studie

## Thank you!

*Health*Landscape

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

### http://www.udsmapper.org/contact-us.cfm

| UDS  | Mapper |                                       | Logout     |
|------|--------|---------------------------------------|------------|
| Home | About  | Tutorials & Resources HealthLandscape | Contact Us |
|      |        |                                       |            |



www.udsmapper.org

AAFP Center for Policy Studi