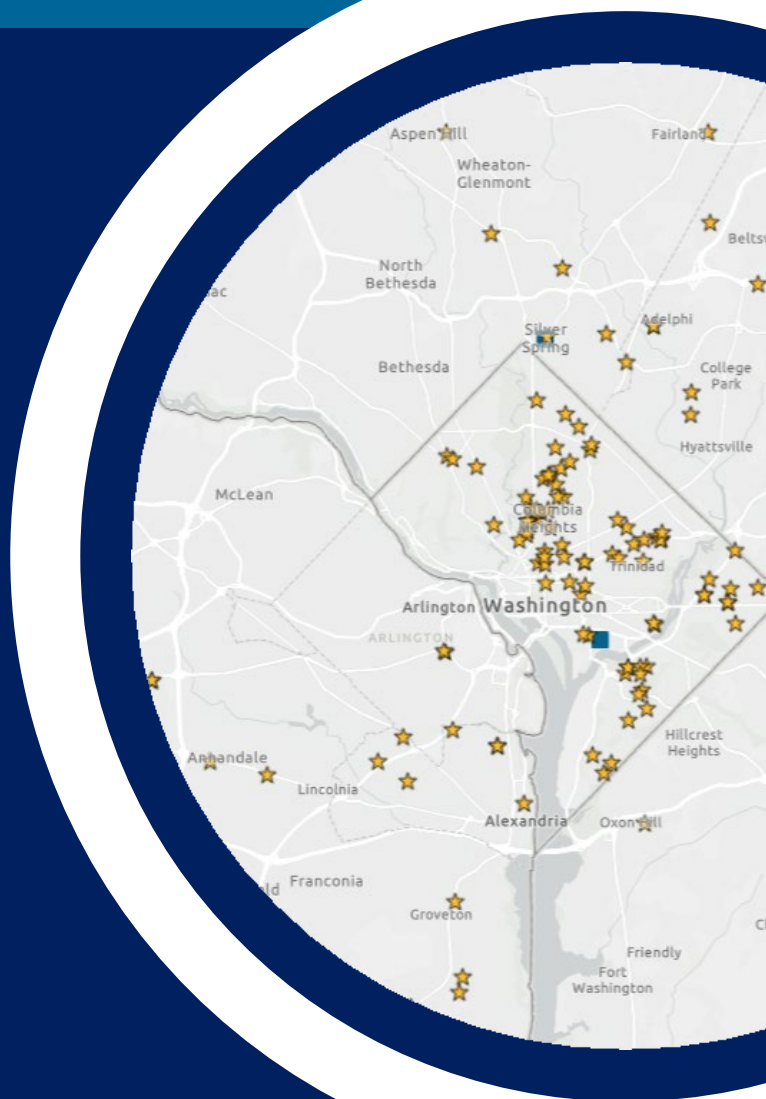


Health Center Program GeoCare Navigator

About the Data

Welcome to the **Health Center Program GeoCare Navigator** About the Data Guide! This comprehensive document will walk through important information about the data incorporated into this dynamic tool.

Use this guide as a reference to understand the datasets integrated into the tool, their update frequency, and their respective data sources.



Health Center
Program Data

Population
Data

Federal
Facility Locations

Geographical
Boundaries

Table of Contents

Data in the Health Center Program GeoCare Navigator	8
Update Schedule	8
DATA FROM THE HRSA DATA WAREHOUSE	8
LOCATION DATA FROM THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD)	9
LOCATION DATA FROM THE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES ADMINISTRATION (SAMHSA)	9
POPULATION DATA FROM THE AMERICAN COMMUNITY SURVEY	9
PATIENT AND HEALTH CENTER RELATED DATA FROM THE UNIFORM DATA SYSTEM	9
COMBINED POPULATION AND PATIENT DATA	10
POPULATION DATA	10
AREA BOUNDARIES	10
ZCTAS AND POST OFFICE NAME	10
HOSPITAL REFERRAL REGIONS AND PRIMARY CARE SERVICE AREAS.....	10
BASEMAPS.....	10
Data Definitions: ZCTA-Level Fields ('HCP' and 'Pop' Indicators)	11
HCP: 1-yr Change in Medicaid/Public Ins. (%) 2023, 2024	12
HCP: 1-yr Change in Medicare/Private Ins. (%) 2023, 2024	12
HCP: 1-yr Change in Patients (%) 2023, 2024.....	12
HCP: 1-yr Change in Uninsured (%) 2023, 2024	12
HCP: 2-yr Change in Medicaid/Public Ins. (%) 2022, 2024	12
HCP: 2-yr Change in Medicare/Private Ins. (%) 2022, 2024	12
HCP: 2-yr Change in Patients (%) 2022, 2024.....	12
HCP: 2-yr Change in Uninsured (%) 2022, 2024	13
HCP: Dominant Health Center 2024 (Combined/Awardee/Look-Alike)	13
HCP: Health Center Count 2024 (Combined/Awardee/Look-Alike).....	13
HCP: Not Served by Health Centers (#) 2024	13
HCP: Low Income Not Served by Health Centers (#) 2024.....	13
HCP: Medicaid/Public Ins. Not Served by Health Centers (#) 2024	14
HCP: Medicaid/Public Ins. (%) 2024 (Combined/Awardee/Look-Alike).....	14
HCP: Medicaid/Public Ins. (#) 2024 (Combined/Awardee/Look-Alike).....	14
HCP: Medicare/Private Ins. Not Served by Health Centers (#) 2024 (Combined/Awardee/Look-Alike) .	14
HCP: Medicare/Private Ins. (%) 2024 (Combined/Awardee/Look-Alike)	14
HCP: Medicare/Private Ins. (#) 2024 (Combined/Awardee/Look-Alike).....	15
HCP: Penetration of Low-Income (%) 2024 (Combined/Awardee/Look-Alike)	15
HCP: Penetration of Medicaid/Public Ins. (%) 2024 (Combined/Awardee/Look-Alike).....	15
HCP: Penetration of Medicare/Private Ins. (%) 2024 (Combined/Awardee/Look-Alike).....	16
HCP: Penetration of Total Population (%) 2024 (Combined/Awardee/Look-Alike).....	16

HCP: Penetration of Uninsured Population (%) 2024 (Combined/Awardees/Look-Alikes)	16
HCP: Uninsured (%) 2024	16
(Combined/Awardees/Look-Alikes)	16
HCP: Uninsured Not Served by Health Centers (#) 2024 (Combined/Awardees/Look-Alikes)	17
Pop: Under 18 (%) 2019-2023	17
Pop: 18-64 (%) 2019-2023	17
Pop: 65 and older (%) 2019-2023	17
Pop: 1-yr Change in Medicaid/Public Ins., Est. (%) 2022, 2023	17
Pop: 1-yr Change in Medicare/Private Ins., Est. (%) 2022, 2023	17
Pop: 1-yr Change in Total Population, Est. (%) 2022, 2023	17
Pop: 1-yr Change in Uninsured, Est. (%) 2022, 2023	18
Pop: 2-yr Change in Medicaid/Public Ins., Est. (%) 2021, 2023	18
Pop: 2-yr Change in Medicare/ Private Ins., Est. (%) 2021, 2023	18
Pop: 2-yr Change in Total Population, Est. (%) 2021, 2023	18
Pop: 2-yr Change in Uninsured, Est. (%) 2021, 2023	18
Pop: Adults Ever Told Have Diabetes, Est. (%) 2022	18
Pop: Adults Ever Told Have High Blood Pressure, Est. (%) 2021	19
Pop: Adults Who Are Binge Drinkers, Est. (%) 2022	19
Pop: Adults Who Are Obese, Est. (%) 2022	19
Pop: Adults Who Smoke, Est. (%) 2022	19
Pop: Adults With No Dental Visit in Past Year, Est. (%) 2022	20
Pop: Age-Adjusted Mortality Rate (per 100,000), Est. 2018-2020	20
Pop: Households with No Broadband (%) 2019-2023	20
Pop: Veterans (%) 2019-2023	20
Pop: School Aged (%) 2019-2023	20
Pop: Disability (%) 2019-2023	20
Pop: No High School Diploma, 25+ (%) 2018 -2022	21
Pop: Unemployment (%) 2018-2022	21
Pop: Low Birthweight (%) 2022	21
Pop: Below Federal Poverty Level (#) 2019-2023	21
Pop: Below Federal Poverty Level (%) 2018-2022	21
Pop: Below 200% of Federal Poverty Level (%) 2018-2022	22
Pop: Below 200% of Federal Poverty Level (#) 2018-2022	22
Pop: Uninsured, Est. (%) 2023	22
Pop: Medicaid/ Public Ins., Est. (%) 2023	22
Pop: Medicare/ Private Ins., Est. (%) 2023	22
Pop: American Indian/ Alaska Native (%) 2019-2023	22
Pop: Hispanic/Latino (%) 2019-2023	22
Pop: More Than One Race 2019-2023	22
Pop: Asian (%) 2019-2023	23
Pop: Black (%) 2019-2023	23
Pop: Native Hawaiian (%) 2019-2023	23
Pop: Other Pacific Islander (%) 2018-2022	23
Pop: White (%) 2019-2023	23

Pop: Racial/ Ethnic Minority (%) 2019-2023	23
Pop: Total (#) 2019-2023.....	23
Data Definitions: Health Center Program and Look-Alike Admin Site Fields	24
Total Patients (#)	24
Under 18 (%).....	24
18-64 (%)	24
65 and Older (%).....	24
Racial and/or Ethnic Minority (%)	24
Black/African American (%).....	24
Asian (%).....	24
American Indian/Alaska Native (%).....	24
Native Hawaiian/Other Pacific Islander (%)	24
More than One Race (%)	24
Hispanic /Latino (%).....	25
Non-Hispanic White (%)	25
Best Served in a Language Other than English (%).....	25
Patients at/below 100% FPL (%).....	25
Patients at/below 200% FPL (%).....	25
Uninsured (%).....	25
Children Uninsured (% of Children 0-17)	25
Medicaid/CHIP (%)	25
Medicare (%)	25
Dually Eligible (%)	26
Other Public (Non-CHIP) and Private Insurance (%).....	26
Homeless (%).....	26
Agricultural Workers or Dependents (%)	26
Health Center Located in or Immediate Accessible to a Public Housing Site (%)	26
School-Based Service Site Patients (%)	26
Veterans (%)	26
Females Aged 15-44 (%)	27
Patients with Social Risk Factor of Food Insecurity (%).....	27
Patients with Social Risk Factor of Housing Insecurity (%).....	27
Patients with Social Risk Factor of Financial Strain (%).....	27
Patients with Social Risk Factor of Lack of Transportation/Access to Public Transportation (%).....	27
Hypertension (% of medical patients)	27
Diabetes (% of medical patients).....	27
Symptomatic/Asymptomatic HIV (% of medical patients)	27
Prenatal Care Patients (#).....	27
Prenatal Care Patients Who Delivered (#)	27
Early Entry into Prenatal Care (first visit in first trimester) (%).....	28
Low Birth Weight (% of live births).....	28
Cervical Cancer Screening (%) - CMS124v12.....	28
Breast Cancer Screening (%) - CMS125v12	28

Weight Assessment and Counseling for Nutrition and Physical Activity for Children and Adolescents (%) - CMS155v12	28
Body Mass Index (BMI) Screening and Follow-Up Plan (%) - CMS69v12	29
Tobacco Use: Screening and Cessation Intervention (%) - CMS138v12	29
Colorectal Cancer Screening (%) - CMS130v12	30
Childhood Immunization Status (%) - CMS117v12	30
HIV Linkage to Care (%)	30
HIV Screening (%) - CMS349v6	30
Screening for Depression and Follow-Up Plan (%) - CMS2v13	31
Depression Remission at Twelve Months (%) - CMS159v12	31
Statin Therapy for the Prevention and Treatment of Cardiovascular Disease (%) - CMS347v7	31
Ischemic Vascular Disease (IVD): Use of Aspirin or Another Antiplatelet (%) - CMS164v7	32
Controlling High Blood Pressure (%) - CMS165v12	32
Diabetes: Hemoglobin A1c Poor Control (%) - CMS122v12	33
Dental Sealants for Children between 6-9 Years (%) - CMS277	33
Dental Patients (%)	33
Medical Patients (%)	33
Mental Health Patients (%)	33
Substance Use Disorder Patients (%)	33
Vision Patients (%)	34
Enabling Services Patients (%)	34
Other Professional Patients (%)	34
Health Center Service Grants (\$)	34
Total Accrued Costs (excluding donations) (\$)	35
Total Accrued Costs per Total Patient (\$)	35
Data Definitions: Map Layers (Geographical Areas and Locations)	36
Primary Care HPSA	36
Mental Health HPSA	36
Dental Health HPSA	36
Medically Underserved Areas/Populations (MUA/Ps)	36
Hospital Referral Regions (HRRs)	37
Primary Care Service Areas (PCSAs)	37
Health Center Service Delivery Sites	37
Health Center Admin Only Sites	37
Look-Alike Service Delivery Sites	37
Look-Alike Admin Only Sites	37
Buprenorphine Practitioners (SAMHSA)	38
Mental Health Facility (SAMHSA)	38
Opioid Treatment Program Facility (SAMHSA)	38
Substance Use Facility (SAMHSA)	38
Public Housing Buildings	38
Public Housing Developments	38
CHOICE Neighborhood Program Grantees	38
Hospitals	39

Indian Health Service (IHS) Facilities	39
National Health Service Corps (NHSC) Sites	39
Rural Health Clinics (RHCs)	39
Veterans' Health Administration (VHA) Facilities.....	39
Facility/Point HPSAs	40
Data Estimation Methodologies.....	41
JSI, Inc. Methodologies	41
Robert Graham Center Methodologies	41
Methodology 1	41
Methodology 2	42

Acronyms

ACS	American Community Survey
BPHC	Bureau of Primary Health Care
BRFSS	Behavioral Risk Factor Surveillance System
CDC	Centers for Disease Control and Prevention
GIS	Geographic Information Systems
HCP	Health Center Program
HRSA	Health Resources and Services Administration
HUD	U.S. Department of Housing and Urban Development
MUA/P	Medically Underserved Areas/Populations
NHSC	National Health Service Corps
RDC	Research Data Center
RHC	Rural Health Center
UDS	Uniform Data System
VHA	Veterans Health Administration
ZCTA	ZIP Code Tabulation Areas

ZIP Code	Zone Improvement Program Code
----------	-------------------------------

Data in the Health Center Program GeoCare Navigator

The Health Center Program GeoCare Navigator enables health centers and other stakeholders to evaluate the geographic reach, penetration, and growth of the Health Center Program and its relationship to other federally linked health resources. The tool contains a wide variety of data points including Health Center Program data, Census Bureau population and population health data, other federal health facility location data, and more.

This guide is designed to help Health Center Program GeoCare Navigator users understand the sources behind the datasets available and their respective data update schedules. To facilitate navigation through this document, the datasets are categorized into three groups:

1. ZCTA-level fields
 - a. These data show population and Health Center Program data from the [Uniform Data System \(UDS\)](#) at the ZCTA level.
 - b. Locations within the tool: Population & UDS Layers widget, data table, some data available in the ZCTA information card accessible via the map view
2. Health Center Program and Look-Alike
 - a. These data are collected annually from the [Uniform Data System \(UDS\)](#). Each data point is reported at the health center-level (Health Center and Look-Alike Admin Sites only).
 - b. Location within the tool: Information card of the respective administrative site
3. Map Layers
 - a. These map layers represent various geographical boundaries and facility locations.
 - b. Location within the tool: Map Layers widget

Update Schedule

Datasets used for the Health Center Program GeoCare Navigator are updated on different timelines, but the tool itself undergoes an annual update in the fall. During this update, the most recently available datasets are utilized. The schedule below is a rough timeline of when each dataset will be updated. For details on specific fields, see the Data Definitions pages.

A majority of the data in the GeoCare Navigator was last updated in fall 2025. Most data will be updated and released again in fall 2026.

DATA FROM THE HRSA DATA WAREHOUSE

Current Data Date: Previous Day

Update Plan: Daily Update

Includes:

- Health Center Administrative Sites
- Health Center Service Delivery Sites
- Hospitals
- Rural Health Clinics
- Facility and Point Health Professional Shortage Areas (HPSAs)
- National Health Service Corps Sites
- Veterans Health Administration Facilities
- Medically Underserved Areas/Populations
- Health Professional Shortage Areas

- Primary Care Health
- Dental Care Health
- Mental Health Care

LOCATION DATA FROM THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD)

Current Data Date (see links):

- [Public Housing](#)
- [Choice Neighborhood Grantees](#)

Update Plan:

- Public Housing Buildings and Developments are updated quarterly – see link above for most recent date
- Choice Neighborhood Grantees are updated when available – see link above for most recent date

LOCATION DATA FROM THE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES ADMINISTRATION (SAMHSA)

Current Data Date: October 2021

Update Plan: When available

Includes:

- Substance Use Treatment Facilities
- Mental Health Facilities
- Opioid Treatment Programs
- Buprenorphine Practitioners

POPULATION DATA FROM THE AMERICAN COMMUNITY SURVEY

Current Data Date: 2019-2023 (Dataset released in 2024)*

Update Plan: Once per year

Population data are used throughout the GeoCare Navigator in the Population & UDS Layers widget and Data Table. These data are typically released by the U.S. Census Bureau the year following the data collection period.

PATIENT AND HEALTH CENTER RELATED DATA FROM THE UNIFORM DATA SYSTEM

Current Data Date: 2024

Update Plan: Once per year

Patient data are used throughout the GeoCare Navigator in Population & UDS Layers widget and Data Table tools. Health center data can be found in the Information Cards for individual Health Center Program Administrative sites. These data are collected by HRSA's Bureau of Primary Health Care in February for the previous calendar year. They go through a rigorous cleaning and verification process before they are processed for the GeoCare Navigator. These data are typically available in early fall and are added to the GeoCare Navigator at that time.

COMBINED POPULATION AND PATIENT DATA

Current Data Date: 2019-2023 (Population dataset Released in 2024)*, 2024 (UDS patient data)

Update Plan: Once per year

The Penetration and “Not Served” data in the GeoCare Navigator combine population and patient data. These data are updated in the fall when new UDS data becomes available.

POPULATION DATA

Current Data Date: various - see Data Definitions

Update Plan: When Available

Update 1:

Many indicators come directly from the American Community Survey at the ZCTA level and are updated with the rest of the population data as reported in this list (annually in the fall). These include poverty, low-income, unemployment, less than high school education, disability, and uninsured.

Update 2:

Other indicators (low-birth-weight rate, age-adjusted mortality rate, diabetes, high blood pressure, obesity, no dental visit, delayed care, no usual source of care, binge drinking, smoking, no flu vaccine, and no pneumonia vaccine) are imputed to the ZCTA level. Data source information can be found in the Data Definitions. These data may be updated less frequently than other population data points.

AREA BOUNDARIES

Current Data Date: various - see Data Definitions

Update Plan: various - see Data Definitions

Although there may be few, if any, changes on a routine basis to the layers that represent various geographies (states, counties, PUMAs, ZIP Codes, Census Tracts, Census Block Groups, County Subdivisions), these data are updated every summer as part of the major GeoCare Navigator update. The actual shapes of these areas (other than ZIP Codes) will only change after the next decennial U.S. Census.

ZCTAS AND POST OFFICE NAME

Current Data Date: August 2020

Update Plan: When available

Although there may be few, if any, changes on a routine basis to the ZIP Code Tabulation Areas (ZCTAs) and their post office names displayed in the GeoCare Navigator, changes may occur when the population or patient data are updated. For more information on ZCTAs see

<https://www.census.gov/programs-surveys/geography/guidance/geo-areas/zctas.html>.

HOSPITAL REFERRAL REGIONS AND PRIMARY CARE SERVICE AREAS

Current Data Date: May 2010

Update Plan: When available

These areas are created by the Dartmouth Atlas. They do not update on a regular schedule and will be updated in the GeoCare Navigator as necessary.

BASEMAPS

Update Plan: Live data feed

These layers are provided to add context to your map. They are provided by the GIS tool used to build the GeoCare Navigator and are updated as necessary. The default of “Light Gray Canvas” should be used for exports.

*Note: ZCTAs 11717 and 11798 reference data from 2018 – 2022 due to suppression for these geographies in the 2019-2023 American Community Survey 5-year estimate. Learn [more](#) about this from the U.S. Census Bureau.

Data Definitions: ZCTA-Level Fields (‘HCP’ and ‘Pop’ Indicators)

Naming Convention for ZCTA-Level Fields:

- ‘ZCTA’ and ‘ZCTA-Level’ refer to Zip Code Tabulation Area, geographical area indicators of ZIP Codes
- ‘HCP’ prefix, for Health Center Program, indicates data point includes all health centers reporting 16 or more patients residing in a ZCTA
- ‘Pop’ prefix, for Population, indicates the data point is an estimate for the population at ZCTA level

This data is displayed within the Population & UDS Layers widget as well as the data table. The widget and data table can be customized to show data at the “Combined”, “Awardee”, or “Look-Alike” level for Health Center Program data. The ZCTA information card will also include some data points. See the next page for the data points, descriptions, data sources, and update schedules for ZCTA-level data included in the tool.

ZCTA-Level Field	Description	Data Source	Next Planned Update
HCP: 1-yr Change in Medicaid/Public Ins. (%) 2023, 2024	Displays the percent change in the current reporting year's reported health center patients with Medicaid or other needs-based public insurance such as the Children's Health Insurance Program (CHIP) from the previous reporting year (from all health centers reporting 16 or more patients residing in that ZCTA).	Uniform Data System , 2023, 2024 (Health Resources and Services Administration)	Fall 2026
HCP: 1-yr Change in Medicare/Private Ins. (%) 2023, 2024	Displays the percent change in health center patients with Medicare or private insurance from the previous reporting year to the current reporting year (2023-2024).	Uniform Data System , 2023, 2024 (Health Resources and Services Administration)	Fall 2026
HCP: 1-yr Change in Patients (%) 2023, 2024	Displays the percent change in health center patients in ZCTA (of Health centers reporting 16 or more patients residing in that ZCTA) from previous reporting year to the latest reporting year (2023-2024).	Uniform Data System , 2023, 2024 (Health Resources and Services Administration)	Fall 2026
HCP: 1-yr Change in Uninsured (%) 2023, 2024	Displays the percent change in the current reporting year's reported uninsured health center patients from the previous reporting year (from all health centers reporting 16 or more patients residing in that ZCTA).	Uniform Data System , 2023, 2024 (Health Resources and Services Administration)	Fall 2026
HCP: 2-yr Change in Medicaid/Public Ins. (%) 2022, 2024	Displays the percent change in the current reporting year's reported health center patients with Medicaid or other needs-based public insurance such as the Children's Health Insurance Program (CHIP) from two years earlier (from all health centers reporting 16 or more patients residing in that ZCTA).	Uniform Data System , 2022, 2024 (Health Resources and Services Administration)	Fall 2026
HCP: 2-yr Change in Medicare/Private Ins. (%) 2022, 2024	Displays the percent change in health center patients with Medicare or private insurance from two reporting years prior to the current reporting year (2022-2024).	Uniform Data System , 2022, 2024 (Health Resources and Services Administration)	Fall 2026
HCP: 2-yr Change in Patients (%) 2022, 2024	Displays the percent change in health center patients in ZCTA (of Health centers reporting 16 or more patients residing in that ZCTA) from two reporting years prior to the latest reporting year (2021-2024).	Uniform Data System , 2021, 2024 (Health Resources and Services Administration)	Fall 2026

ZCTA-Level Field	Description	Data Source	Next Planned Update
HCP: 2-yr Change in Uninsured (%) 2022, 2024	Displays the percent change in the current reporting year's reported uninsured health center patients from two years earlier (from all health centers reporting 16 or more patients residing in that ZCTA).	Uniform Data System , 2021, 2024 (Health Resources and Services Administration)	Fall 2026
HCP: Dominant Health Center 2024 (Combined/Awardee/Look-Alike)	Displays which health center saw the most patients within ZCTA where at least one health center saw at least 16 patients from the ZCTA. *This field and the field containing the share of patients for this health center, titled 'HCP: #1 Dominant Health Center Share of Patients (%)', are also displayed on Information Card for each ZCTA (Awardee and Look-Alikes combined).	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
HCP: Health Center Count 2024 (Combined/Awardee/Look-Alike)	Displays the number of health center organizations (not the number of sites) serving 16 or more patients in the ZCTA. *Field also displayed on Information Card for each ZCTA (Awardee and Look-Alikes combined).	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
HCP: Not Served by Health Centers (#) 2024	Displays the number of patients not ser	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
HCP: Low Income Not Served by Health Centers (#) 2024	Displays the estimated number of low-income residents in the ZCTA who are not served by any health centers. The number is calculated by subtracting the number of total health center patients reported in the UDS for that ZCTA (from all health centers reporting 16 or more patients residing in that ZCTA) from the number of low-income (below 200% Federal Poverty Level (FPL)) residents in that same ZCTA. Because income is not reported in the UDS at the ZIP Code level, this measure is only an estimate and should be interpreted as such.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau) Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

ZCTA-Level Field	Description	Data Source	Next Planned Update
HCP: Medicaid/Public Ins. Not Served by Health Centers (#) 2024	Displays the estimated number of residents of the ZCTA who are covered by Medicaid or other needs-based public insurance such as CHIP who are not served by any health centers.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau) Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
HCP: Medicaid/Public Ins. (%) 2024 (Combined/Awardee /Look-Alike)	Displays the percentage of health center patients who are covered by Medicaid or Other Needs-Based Public Insurance such as the Children's Health Insurance Program (CHIP).	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
HCP: Medicaid/Public Ins. (#) 2024 (Combined/Awardee /Look-Alike)	Displays the estimated number of health center patients who are covered by Medicaid or Other Needs-Based Public Insurance such as the Children's Health Insurance Program (CHIP).	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
HCP: Medicare/Private Ins. Not Served by Health Centers (#) 2024 (Combined/Awardee /Look-Alike)	Displays the estimated number of residents of the ZCTA who are covered by Medicare or private insurance who are not served by any health centers.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau) Uniform Data System , 2023 (Health Resources and Services Administration)	Fall 2026
HCP: Medicare/Private Ins. (%) 2024 (Combined/Awardee /Look-Alike)	Displays the percentage of health center patients who are covered by Medicare or Private Insurance.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

ZCTA-Level Field	Description	Data Source	Next Planned Update
HCP: Medicare/Private Ins. (#) 2024 (Combined/Awardee/Look-Alike)	Displays the estimated number of health center patients who are covered by Medicare or Private Insurance.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
HCP: Penetration of Low-Income (%) 2024 (Combined/Awardee/Look-Alike)	Displays the percent of the low-income residents (below 200% of the FPL) in the ZCTA served by any health center (from health centers reporting 16 or more patients residing in that ZCTA). For each ZCTA, the total number of health center patients is divided by the number of low-income residents. Because income is not reported in the UDS at the ZIP Code level, this measure is only an estimate and should be interpreted as such. Note: Statistics such as program penetration and unmet need by insurance category compare 2024 patients to 2023 population data. Next planned update using 2024 American Community Survey dataset will be applied in fall 2026. *Field also displayed on Information Card for each ZCTA (Awardee and Look-Alikes combined).	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau) Uniform Data System, 2024 (Health Resources and Services Administration)	Fall 2026
HCP: Penetration of Medicaid/Public Ins. (%) 2024 (Combined/Awardee/Look-Alike)	Displays percentage of the residents of the ZCTA covered by Medicaid or other needs-based public insurance such as the Children's Health Insurance Program (CHIP) served by any health center (from health centers reporting 16 or more patients residing in that ZCTA).	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau) Uniform Data System, 2024 (Health Resources and Services Administration)	Fall 2026

ZCTA-Level Field	Description	Data Source	Next Planned Update
HCP: Penetration of Medicare/Private Ins. (%) 2024 (Combined/Awardee/Look-Alike)	Displays the percentage of the residents of the ZCTA covered by Medicare or other private insurance served by any health center (from health centers reporting 16 or more patients residing in that ZCTA).	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau) Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
HCP: Penetration of Total Population (%) 2024 (Combined/Awardee/Look-Alike)	Displays the percent of the total residents in the ZCTA served by any health center (from health centers reporting 16 or more patients residing in that ZCTA). In other words, for each ZCTA the total number of health center patients is divided by the total number of residents. Note: Statistics such as program penetration and unmet need by insurance category are comparing 2024 patients to 2023 population data. Next planned update using 2024 American Community Survey dataset will be applied in fall 2026. *Field also displayed on Information Card for each ZCTA (Awardee and Look-Alikes combined).	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau) Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
HCP: Penetration of Uninsured Population (%) 2024 (Combined/Awardees/Look-Alikes)	Displays the percent of the uninsured residents of the ZCTA served by any health center (from health centers reporting 16 or more patients residing in that ZCTA). Note: Statistics such as program penetration and unmet need by insurance category are comparing 2024 patients to 2023 population data. Next planned update using 2024 American Community Survey dataset will be applied in fall 2026.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau) Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
HCP: Uninsured (%) 2024 (Combined/Awardees/Look-Alikes)	Displays percentage of health center patients who are uninsured. Insurance status of patients is based on their latest visit within the year data is reported.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

ZCTA-Level Field	Description	Data Source	Next Planned Update
HCP: Uninsured Not Served by Health Centers (#) 2024 (Combined/Awardees/Look-Alikes)	Displays the estimated number of uninsured residents of the ZCTA who are not served by any health centers.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau) Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Pop: Under 18 (%) 2019-2023	Displays the percentage of the total population younger than 18 years old.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: 18-64 (%) 2019-2023	Displays the percentage of the total population that is 18 years old through 64 years old.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: 65 and older (%) 2019-2023	Displays the percentage of the total population that is 65 years old or greater.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: 1-yr Change in Medicaid/Public Ins., Est. (%) 2022, 2023	Displays the percent change in the estimated percentage of the civilian, non-institutionalized population for whom poverty status is determined that has health insurance coverage under Medicaid or other needs-based public insurance such as the Children's Health Insurance Program (CHIP) from one year prior to latest year reported (2022-2023).	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: 1-yr Change in Medicare/Private Ins., Est. (%) 2022, 2023	Displays the percent change in the estimated percentage of the civilian, non-institutionalized population for whom poverty status is determined that has health insurance coverage under Medicare or private health insurance from one year prior to latest year reported (2020-2021).	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: 1-yr Change in Total Population, Est. (%) 2022, 2023	Displays the percent change in the total population from one year prior to latest year reported (2020-2021).	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026

ZCTA-Level Field	Description	Data Source	Next Planned Update
Pop: 1-yr Change in Uninsured, Est. (%) 2022, 2023	Displays the percent change in the estimated percentage of the civilian, non-institutionalized population for whom poverty status is determined that has no health insurance from one year prior to latest year reported (2022-2023).	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: 2-yr Change in Medicaid/Public Ins., Est. (%) 2021, 2023	Displays the percent change in the estimated percentage of the total population that has health insurance coverage under Medicaid or other needs-based public insurance such as CHIP from two years prior to latest year reported (2021-2023).	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: 2-yr Change in Medicare/ Private Ins., Est. (%) 2021, 2023	Displays the percent change in the estimated percentage of the civilian, non-institutionalized population for whom poverty status is determined that has health insurance coverage under Medicare or private health insurance from two years prior to latest year reported (2021-2023).	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: 2-yr Change in Total Population, Est. (%) 2021, 2023	Displays the percent change in the total population from two years prior to latest year reported (2021-2023).	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: 2-yr Change in Uninsured, Est. (%) 2021, 2023	Displays the percent change in the estimated percentage of the civilian, non-institutionalized population for whom poverty status is determined that has no health insurance from two years prior to latest year reported (2021-2023).	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: Adults Ever Told Have Diabetes, Est. (%) 2022	Displays estimated adult diabetes rate (percentage of adults 18+ that report having ever been told by a doctor, nurse, or other health professional that they have diabetes other than during pregnancy) in a county or ZCTA. Note: Imputed to county or ZCTA level. Reference 'Data Estimation Methodologies' section for details.	PLACES Project , 2022 (2024 data release, Centers for Disease Control and Prevention)	When Available

ZCTA-Level Field	Description	Data Source	Next Planned Update
Pop: Adults Ever Told Have High Blood Pressure, Est. (%) 2021	Displays estimated percentage of adults (ages 18 and up) who report having ever been told by a doctor, nurse, or other health professional that they have high blood pressure. Note: Imputed to ZCTA level. Reference 'Data Estimation Methodologies' section for details.	PLACES Project , 2021 (2024 data release, Centers for Disease Control and Prevention)	When Available
Pop: Adults Who Are Binge Drinkers, Est. (%) 2022	Displays estimated percentage of adults (ages 18 and up) who are binge drinkers (males having five or more drinks on one occasion; females having four or more drinks on one occasion). Note: Imputed to ZCTA level. Reference 'Data Estimation Methodologies' section for details.	PLACES Project , 2022 (2024 data release, Centers for Disease Control and Prevention)	When Available
Pop: Adults Who Are Obese, Est. (%) 2022	Displays estimated percentage of adults (ages 18 and up) who reported a body mass index (BMI) of 30 or greater in a county or ZCTA. Note: Imputed to county or ZCTA level. Reference 'Data Estimation Methodologies' section for details.	PLACES Project , 2022 (2024 data release, Centers for Disease Control and Prevention)	When Available
Pop: Adults Who Smoke, Est. (%) 2022	Displays estimated percentage of adults (ages 18 and up) who report having smoked ≥ 100 cigarettes in their lifetime and currently smoke every day or some days. Note: Imputed to county or ZCTA level. Reference 'Data Estimation Methodologies' section for details.	PLACES Project , 2022 (2024 data release, Centers for Disease Control and Prevention)	When Available

ZCTA-Level Field	Description	Data Source	Next Planned Update
Pop: Adults With No Dental Visit in Past Year, Est. (%) 2022	Displays estimated percentage of adults (ages 18 and up) who reported having not visited a dentist or dental clinic in the past year. Note: Original data reflect those who report having been to the dentist; data were inverted to reflect population with no dental visit. Imputed to the ZCTA level. Reference 'Data Estimation Methodologies' section for details.	PLACES Project , 2022 (2024 data release, Centers for Disease Control and Prevention)	When Available
Pop: Age-Adjusted Mortality Rate (per 100,000), Est. 2018-2020	Displays the estimated age-adjusted mortality rate (age-adjusted rate of deaths per 100,000 standard population) in a ZCTA. Note: Imputed to ZCTA level. Reference 'Data Estimation Methodologies' section for details.	CDC Vital Statistics , 2018-2020 (Centers for Disease Control and Prevention) U.S. Census Bureau block level population data , 2020	When Available
Pop: Households with No Broadband (%) 2019-2023	Displays the percentage of households with no broadband internet subscription of any type, including cellular data, cable, fiber optic, DSL, or satellite service.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: Veterans (%) 2019-2023	Displays the percentage of the total population who self-identified as veterans.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: School Aged (%) 2019-2023	Displays the percentage of the total population who are between the ages of 5 and 17.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: Disability (%) 2019-2023	Displays percentage of civilian noninstitutionalized population with a disability (defined as a long-lasting physical, mental, or emotional condition that can make it difficult for a person to do activities such as walking, climbing stairs, dressing, bathing, learning, or remembering).	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026

ZCTA-Level Field	Description	Data Source	Next Planned Update
Pop: No High School Diploma, 25+ (%) 2018-2022	Displays the percentage of the total population who are 25 years and over and do not have a high school diploma or equivalent.	For U.S. States, Washington D.C., Puerto Rico: American Community Survey (ACS) five-year estimates for ZCTAs, 2018-2022 (U.S. Census Bureau) For American Samoa, Guam, the Commonwealth of the Northern Mariana Islands and U.S. Virgin Islands: Decennial Census of Island Areas , 2020 For Federated States of Micronesia, The Republic of Palau, The Republic of the Marshall Islands: World Bank Ed , 2021	Winter 2025
Pop: Unemployment (%) 2018-2022	Displays the percentage of the total population who are unemployed (resident population aged 16 and over not employed, regardless of whether or not they are seeking work).	American Community Survey (ACS) five-year estimates for ZCTAs, 2018-2022 (U.S. Census Bureau)	Winter 2025
Pop: Low Birthweight (%) 2022	Displays the percentage of total births that were low birth weight deliveries (less than 2,500 grams) in a ZCTA.	National Vital Statistics System (NVSS), Natality on CDC WONDER, 2022 (Centers for Disease Control and Prevention)	Winter 2025
Pop: Below Federal Poverty Level (#) 2019-2023	Displays the count of the population for whom poverty is determined that lives below 100% of the Federal Poverty Level (FPL). Note: Field displayed on Information Card for each ZCTA and Data Table. Not accessible on Map Layers.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: Below Federal Poverty Level (%) 2018-2022	Displays the percentage of the population for whom poverty is determined that lives below 100% of the Federal Poverty Level (FPL).	American Community Survey (ACS) five-year estimates for ZCTAs, 2018-2022 (U.S. Census Bureau)	Winter 2025

ZCTA-Level Field	Description	Data Source	Next Planned Update
Pop: Below 200% of Federal Poverty Level (%) 2018-2022	Displays the percentage of the population for whom poverty is determined that lives below 200% of the Federal Poverty Level (FPL).	American Community Survey (ACS) five-year estimates for ZCTAs, 2018-2022 (U.S. Census Bureau)	Winter 2025
Pop: Below 200% of Federal Poverty Level (#) 2018-2022	Displays the count of the population for whom poverty is determined that lives below 200% of the Federal Poverty Level (FPL). Note: Field displayed on Information Card for each ZCTA and Data Table. Not accessible on Map Layers.	American Community Survey (ACS) five-year estimates for ZCTAs, 2018-2022 (U.S. Census Bureau)	Winter 2025
Pop: Uninsured, Est. (%) 2023	Displays an estimate for the percentage of the civilian, non-institutionalized population for whom poverty status is determined that has no health insurance.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: Medicaid/ Public Ins., Est. (%) 2023	Displays an estimate for the percentage of the civilian, non-institutionalized population for whom poverty status is determined that has health insurance coverage under Medicaid or other needs-based public insurance such as the Children's Health Insurance Program (CHIP).	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: Medicare/ Private Ins., Est. (%) 2023	Displays an estimate for the percentage of the civilian, non-institutionalized population for whom poverty status is determined that has health insurance coverage under Medicare or private health insurance.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: American Indian/ Alaska Native (%) 2019-2023	Displays the percentage of the total population who identify as American Indian/ Alaska Native for Race/Ethnicity.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: Hispanic/Latino (%) 2019-2023	Displays the percentage of the total population who identify as Hispanic/Latino for Race/Ethnicity.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: More Than One Race 2019-2023	Displays the percentage of the total population who identified as More Than One Race.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026

ZCTA-Level Field	Description	Data Source	Next Planned Update
Pop: Asian (%) 2019-2023	Displays the percentage of the total population who identify as Asian for Race/Ethnicity.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: Black (%) 2019-2023	Displays the percentage of the total population who identify as Black for Race/Ethnicity.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: Native Hawaiian (%) 2019-2023	Displays the percentage of the total population who identify as Native Hawaiian for Race/Ethnicity.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: Other Pacific Islander (%) 2018-2022	Displays the percentage of the total population who identify as Other Pacific Islander for Race/Ethnicity.	American Community Survey (ACS) five-year estimates for ZCTAs, 2018-2022 (U.S. Census Bureau)	Fall 2026
Pop: White (%) 2019-2023	Displays the percentage of the total population who identify as White for Race/Ethnicity.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: Racial/ Ethnic Minority (%) 2019-2023	Displays the percentage of the total population who identify as Non-White. This indicator has changed from previous years. Due to the way the Census Bureau reports data for the U.S. Territories we have changed the way we are counting “Non-White” for all of the states and territories. Previously the “Non-White” category did not include Hispanic people who were white. Because race and ethnicity are not reported separately for the territories, all Hispanic people regardless of race are now included in the “Non-White” category.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026
Pop: Total (#) 2019-2023	Displays the count of the total population in the ZCTA. *Field displayed on Data Table and Information Card for each ZCTA. Not accessible on Map Layers.	American Community Survey (ACS) five-year estimates for ZCTAs, 2019-2023 (U.S. Census Bureau)	Fall 2026

Data Definitions: Health Center Program and Look-Alike Admin Site Fields

Data in the table below are collected from the Uniform Data System (UDS). Each data point is reported at the health center level (Awardee and Look-Alike Admin Sites only). This data is displayed on the Information Card of the relevant admin site.

Health Center Field	Description	Data Source	Next Planned Update
Total Patients (#)	Number of total patients reported by health center. *Field also displayed on Information Card for each ZCTA. On the Information Cards this field is titled 'HCP: Total Patients (#) 2023'.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Under 18 (%)	Percentage of total patients reported by health center who are under the age of 18.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
18-64 (%)	Percentage of total patients reported by health center who are of ages 18 to 64.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
65 and Older (%)	Percentage of total patients reported by health center who are 65 and older.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Racial and/or Ethnic Minority (%)	Percentage of patients reported by health center who identify as a racial or ethnic minority.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Black/African American (%)	Percentage of patients reported by health center who identify as Black/African American.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Asian (%)	Percentage of patients reported by health center who identify as Asian.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
American Indian/Alaska Native (%)	Percentage of patients reported by health center who identify as American Indian/Alaska Native.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Native Hawaiian/Other Pacific Islander (%)	Percentage of patients reported by health center who identify as Native Hawaiian/Other Pacific Islander.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
More than One Race (%)	Percentage of patients reported by health center who identify as more than one race.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

Health Center Field	Description	Data Source	Next Planned Update
Hispanic /Latino (%)	Percentage of patients reported by health center who identify as Hispanic /Latino.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Non-Hispanic White (%)	Percentage of patients reported by health center who identify as American Indian/Alaska Native.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Best Served in a Language Other than English (%)	Percentage of patients reported by health center who are best served in a language other than English, including those who are best served in sign language.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Patients at/below 100% FPL (%)	Percentage of patients reported by health center whose income is at or below 100% of the Federal Poverty Level.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Patients at/below 200% FPL (%)	Percentage of patients reported by health center whose income is at or below 200% of the Federal Poverty Level.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Uninsured (%)	Percentage of patients reported by health center who did not have medical insurance at the time of their last visit. This may include patients who were insured earlier in the year, as well as patients whose visit was paid for by a third-party source that was not insurance, such as EPSDT, BCCCP, Title X, or some state or local safety net or indigent care programs.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Children Uninsured (% of Children 0-17)	Percentage of patients reported by health center who did not have medical insurance at the time of their last visit and are younger than 18 years old.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Medicaid/CHIP (%)	Percentage of patients reported by health center who are covered by state-run programs operating under the guidelines of Titles XIX and XXI (as appropriate) of the Social Security Act or the Children's Health Insurance Program (CHIP) Reauthorization Act and provided through the state's Medicaid program.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Medicare (%)	Percentage of patients reported by health center who are covered by the federal insurance program for the aged, blind, and disabled (Title XVIII of the Social Security Act).	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

Health Center Field	Description	Data Source	Next Planned Update
Dually Eligible (%)	Percentage of patients reported by health center who are covered by both Medicare and Medicaid insurance.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Other Public (Non-CHIP) and Private Insurance (%)	Percentage of patients reported by health center who are covered by state and/or local government programs, such as Massachusetts' CommonHealth plan, that provide a broad set of benefits for eligible individuals.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Homeless (%)	Percentage of patients reported by health center known to have experienced homelessness at the time of any service provided during the calendar year, even if their housing situation changed during the year.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Agricultural Workers or Dependents (%)	Percentage of patients reported by health center known to be migratory or seasonal agricultural workers, dependent family members of migratory or seasonal agricultural workers, or aged or disabled former migratory agricultural workers (as described in the statute section 330(g)(1)(B)).	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Health Center Located in or Immediate Accessible to a Public Housing Site (%)	All health centers are to report all patients seen at a service delivery site located in or immediately accessible to public housing, regardless of whether the patients are residents of public housing or the health center receives funding under section 330(i) PHPC.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
School-Based Service Site Patients (%)	All health centers that identified a school-based service site in their scope of project (as documented on Form 5B) are to report the total number of patients who received health care services at the approved school-based service delivery site(s).	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Veterans (%)	Percentage of patients reported by health center who served in the active military or as a commissioned officer of the Public Health Service or National Oceanic and Atmospheric Administration. In addition, include patients who served in the National Guard or Reserves on active-duty status.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

Health Center Field	Description	Data Source	Next Planned Update
Females Aged 15-44 (%)	Percentage of patients reported by health center who identify as female and are of ages 15 to 44.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Patients with Social Risk Factor of Food Insecurity (%)	Percentage of total patients reported by health center who were screened positive for experiencing food insecurity. Note that patients are counted once for each risk factor they are screened positive for.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Patients with Social Risk Factor of Housing Insecurity (%)	Percentage of total patients reported by health center who were screened positive for experiencing housing insecurity. Note that patients are counted once for each risk factor they are screened positive for.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Patients with Social Risk Factor of Financial Strain (%)	Percentage of total patients reported by health center who were screened positive for experiencing financial strain. Note that patients are counted once for each risk factor they are screened positive for.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Patients with Social Risk Factor of Lack of Transportation/Access to Public Transportation (%)	Percentage of total patients reported by health center who were screened positive for experiencing lack of transportation or access to public transportation. Note that patients are counted once for each risk factor they are screened positive for.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Hypertension (% of medical patients)	Adults with hypertension as a percent of estimated adult medical patients of ages 18-85.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Diabetes (% of medical patients)	Adults with diabetes as a percent of estimated adult medical patients of ages 18-75.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Symptomatic/Asymptomatic HIV (% of medical patients)	Percentage of health center patients where a diagnosis of HIV is reported.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Prenatal Care Patients (#)	Number of prenatal care patients who are either provided direct care or referred for care by health center.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Prenatal Care Patients Who Delivered (#)	Number of prenatal care patients reported by health center who delivered during the calendar year, including those who health center personnel cared for and delivered and	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

Health Center Field	Description	Data Source	Next Planned Update
	those who had some or all of their care provided by a referral provider.		
Early Entry into Prenatal Care (first visit in first trimester) (%)	Percentage of prenatal care patients who entered prenatal care during their first trimester. This includes all patients who had a prenatal visit with the health center or other provider.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Low Birth Weight (% of live births)	Percentage of babies of health center prenatal care patients born whose birth weight was below normal (less than 2,500 grams).	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Cervical Cancer Screening (%)-CMS124v12	Percentage of women age 21-64 who had cervical cytology performed every three years, or women age 30-64 who had cervical cytology/human papillomavirus (HPV) co-testing performed every five years. The Cervical Cancer Screening measure was revised in 2019 and is not comparable to prior years. This measure was aligned with a specific clinical measure, CMS124v12, used by the Centers for Medicare and Medicaid Services.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Breast Cancer Screening (%)-CMS125v12	Percentage of women 50-74 years of age who had a mammogram to screen for breast cancer in the 27 months prior to the end of the measurement period. This measure was aligned with a specific clinical measure, CMS125v12, used by the Centers for Medicare and Medicaid Services.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Weight Assessment and Counseling for Nutrition and Physical Activity for Children and Adolescents (%)-CMS155v12	Percentage of patients 3–17 years of age who had an outpatient medical visit and who had evidence of height, weight, and body mass index (BMI) percentile documentation and who had documentation of counseling for nutrition and who had documentation of counseling for physical activity during the measurement period.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

Health Center Field	Description	Data Source	Next Planned Update
	This measure was aligned with a specific clinical measure, CMS155v12, used by the Centers for Medicare and Medicaid Services.		
Body Mass Index (BMI) Screening and Follow-Up Plan (%)- CMS69v12	Percentage of medical patients aged 18 years and older with a BMI documented during the most recent visit or during the measurement period. The patient is counted if they had a BMI outside of normal parameters and a follow-up plan was documented during the visit or during the previous twelve months of the visit. The Body Mass Index (BMI) Screening and Follow-Up Plan measure was revised in 2019 and is not comparable to prior years. This measure was aligned with a specific clinical measure, CMS69v12 used by the Centers for Medicare and Medicaid Services.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Tobacco Use: Screening and Cessation Intervention (%)- CMS138v12	Percentage of patients aged 12 years and older who were screened for tobacco use one or more times during the measurement period and who received tobacco cessation intervention during the measurement period or in the 6 months prior to the measurement period if identified as a tobacco user. This measure was aligned with a specific clinical measure, CMS138v12 used by the Centers for Medicare and Medicaid Services.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

Health Center Field	Description	Data Source	Next Planned Update
Colorectal Cancer Screening (%)- CMS130v12	Percentage of adults 45-75 years of age who had appropriate screening for colorectal cancer. The Colorectal Cancer Screening measure was revised in 2016 and is not comparable to prior years. This measure was aligned with a specific clinical measure, CMS130v12, used by the Centers for Medicare and Medicaid Services.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Childhood Immunization Status (%)- CMS117v12	Percentage of children 2 years of age who had four diphtheria, tetanus and acellular pertussis (DTaP); three polio (IPV), one measles, mumps and rubella (MMR); three or four H influenza type B (HiB); three Hepatitis B (Hep B); one chicken pox (VZV); four pneumococcal conjugate (PCV); one Hepatitis A (Hep A); two or three rotavirus (RV); and two influenza (flu) vaccines by their second birthday. This measure was aligned with a specific clinical measure, CMS117v12, used by the Centers for Medicare and Medicaid Services.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
HIV Linkage to Care (%)	Percentage of patients newly diagnosed with HIV by the health center in the measurement period who were seen for follow-up treatment within 30 days of diagnosis.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
HIV Screening (%)- CMS349v6	Percentage of patients aged 15-65 at the start of the measurement period who have had at least one documented HIV test on or after their 15th birthday and before their 66th birthday. This measure is aligned with a specific clinical measure, CMS349v6, used by the Centers for Medicare and Medicaid Services.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

Health Center Field	Description	Data Source	Next Planned Update
Screening for Depression and Follow-Up Plan (%) - CMS2v13	Percentage of patients aged 12 years and older screened for clinical depression on the date of the visit or up to 15 days prior to the date of the visit using an age-appropriate standardized depression screening tool, and, if screening is positive, a follow-up plan is documented on the date of or up to two days after the data of the qualifying visit. This measure was aligned with a specific clinical measure, CMS2v13, used by the Centers for Medicare and Medicaid Services.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Depression Remission at Twelve Months (%) - CMS159v12	Percentage of patients aged 12 years and older with major depression or dysthymia who reached remission 12 months (+/- 60 days) after diagnosis. This measure was aligned with a specific clinical measure, CMS159v12, used by the Centers for Medicare and Medicaid Services.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Statin Therapy for the Prevention and Treatment of Cardiovascular Disease (%) - CMS347v7	Percentage of the following patients at high risk of cardiovascular events who were prescribed or were on statin therapy during the measurement period: – All patients who were previously diagnosed with or currently have an active diagnosis of clinical atherosclerotic cardiovascular disease (ASCVD), including an ASCVD procedure, or – Patients 20 years through 75 years who have ever had a low-density lipoprotein cholesterol (LDL-C) laboratory result level greater than or equal to 190 mg/dL or were previously diagnosed with or currently have an active diagnosis of familial hypercholesterolemia, or – Patients 40 through 75 years of age with a diagnosis of diabetes, or	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

Health Center Field	Description	Data Source	Next Planned Update
	Patients 40 through 75 years of age with a 10-year ASCVD risk score greater than or equal to 20 percent. This measure is aligned with a specific clinical measure, CMS347v7, used by the Centers for Medicare and Medicaid Services.		
Ischemic Vascular Disease (IVD): Use of Aspirin or Another Antiplatelet (%)-CMS164v7	Percentage of patients aged 18 and older who were diagnosed with acute myocardial infarction, or who had a coronary artery bypass graft, or percutaneous coronary interventions in the 12 months prior to the measurement period or who had an active diagnosis of ischemic vascular disease during the measurement period and who had documentation of use of aspirin or another antiplatelet during the measurement period. This measure is aligned with a specific clinical measure, CMS164v7, used by the Centers for Medicare and Medicaid Services.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Controlling High Blood Pressure (%)-CMS165v12	Percentage of patients aged 18-85 who had a diagnosis of essential hypertension and whose blood pressure was adequately controlled (less than 140/90 mmHg) during the measurement period. This measure was aligned with a specific clinical measure, CMS165v12, used by the Centers for Medicare and Medicaid Services.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

Health Center Field	Description	Data Source	Next Planned Update
Diabetes: Hemoglobin A1c Poor Control (%) - CMS122v12	Description Percentage of patients aged 18-75 with diabetes who had hemoglobin A1c (HbA1c) greater than 9.0 percent or no test during the measurement period. This measure was aligned with a specific clinical measure, CMS122v12, used by the Centers for Medicare and Medicaid Services.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Dental Sealants for Children between 6-9 Years (%) - CMS277	Percentage of children age 6-9 years at moderate to high risk of caries who received a sealant on a first permanent molar during the measurement period.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Dental Patients (%)	Percentage of patients reported by health center who had a visit with a dental provider, including (Dentists, Dental Hygienists, Dental Therapists, and other dental personnel).	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Medical Patients (%)	Percentage of patients reported by health center who had a visit with providers for medical care. Medical care services are provided by Physicians, nurse practitioners (NPs), physician assistants (PAs), and certified nurse midwives (CNMs) who are the primary source of medical care delivery, as permitted under their license, are included as medical providers. Supporting medical personnel include nurses and other medical, medical laboratory, and medical X-ray personnel.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Mental Health Patients (%)	Percentage of patients reported by health center who had a visit with a provider for Mental health services; including psychiatric, psychological, psychosocial, or crisis intervention services.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Substance Use Disorder Patients (%)	Percentage of patients reported by health center who had a visit with providers for programs that include the regular use of narcotic agonists or antagonists or other medications on a regular basis (daily, every three days, weekly, etc.). The	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

Health Center Field	Description	Data Source	Next Planned Update
	individualized or group counseling services as are recorded as visits.		
Vision Patients (%)	Percentage of patients reported by health center who had a visit with providers for who perform eye exams for detection, care, treatment, and prevention of vision problems, including those that relate to chronic diseases such as diabetes, hypertension, thyroid disease, and arthritis, or for the prescription of corrective lenses. These include Ophthalmologists, Optometrists, and other vision care personnel.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Enabling Services Patients (%)	Percentage of patients reported by health center who had a visit with Case Managers, Patient and Community Education Specialists, Outreach Workers, Transportation Workers, Eligibility Assistance Workers, Interpretation Personnel, Community Health Workers, and Personnel Performing Other Enabling Service Activities.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Other Professional Patients (%)	Percentage of patients reported by health center who had a visit with health center programs (although within their scope of project and often important to the overall health of their patients) are not directly a part of the listed medical, dental, behavioral, or other professional health services (also referred to as “umbrella agencies”). These programs include: WIC programs, job training programs, Head Start or Early Head Start programs, shelters, housing programs, child care, frail elderly support programs, adult day health care (ADHC) programs, fitness or exercise programs, public/retail pharmacies, etc.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Health Center Service Grants (\$)	Total Health Center Program grant including migrant health center, community health center, Health Care for the Homeless, and Public Housing Primary Care grants.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

Health Center Field	Description	Data Source	Next Planned Update
Total Accrued Costs (excluding donations) (\$)	Total accrued costs after allocation of facility and non-clinical support services.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026
Total Accrued Costs per Total Patient (\$)	Total costs (after allocation of facility and non-clinical support services) per patient. Includes all patients.	Uniform Data System , 2024 (Health Resources and Services Administration)	Fall 2026

Data Definitions: Map Layers (Geographical Areas and Locations)

Map layers include geographical boundaries (such as Health Professional Shortage Areas) and locations of facilities (such as Rural Health Clinics).

Map Layer	Definition	Data Source	Most Recent Update
Primary Care HPSA	Layer displays geographical areas or populations that have received federal designation for having a shortage of primary health care providers. Each year, the Department of Health and Human Services (HHS) evaluates HPSA designations and awards them through state Primary Care Offices (PCO).	HRSA Data Warehouse	Previous Day
Mental Health HPSA	Layer displays geographical areas or populations that have received federal designation for having a shortage of mental health care providers. Each year, the Department of Health and Human Services (HHS) evaluates HPSA designations and awards them through state Primary Care Offices (PCO).	HRSA Data Warehouse	Previous Day
Dental Health HPSA	Layer displays geographical areas or populations that have received federal designation for having a shortage of dental health care providers. Each year, the Department of Health and Human Services (HHS) evaluates HPSA designations and awards them through state Primary Care Offices (PCO).	HRSA Data Warehouse	Previous Day
Medically Underserved Areas/Populations (MUA/Ps)	Layer displays geographic areas and populations with a lack of access to primary care health services. Medically Underserved Areas (MUAs) may be a whole county or a group of contiguous counties, a group of county or civil divisions or a group of urban census tracts that the Department of Health and Human Services (HHS) has designated of having a shortage of health services for residents. Designations are based on the qualifications outlined in the Index of Medical Underservice (IMU), published in the Federal Register on October 15, 1976. Medically Underserved Populations (MUPs) may include groups of persons who face economic, cultural or linguistic barriers to health care. Designations are also based on the qualifications outlined in the Index of Medical Underservice (IMU), and exceptional MUP designations are based on the provisions of Public Law 99-280, enacted in 1986.	HRSA Data Warehouse	Previous Day

Map Layer	Definition	Data Source	Most Recent Update
Hospital Referral Regions (HRRs)	Layer displays regional health care markets for tertiary medical care. Each HRR contains at least one hospital that performs major cardiovascular procedures and neurosurgery.	Dartmouth Atlas of Health Care	May 2010
Primary Care Service Areas (PCSAs)	Layer displays Primary Care Service Areas (PCSAs), which reflect patient travel to primary care providers.	Dartmouth Atlas of Health Care	May 2010
Health Center Service Delivery Sites	Layer displays the locations where Health Center Program (HCP) grantees provide patient services. This includes combination administrative/service delivery sites which meet the service site definition and also serve as a site where administrative work is performed.	Uniform Data System , 2024 (Health Resources and Services Administration)	Previous Day
Health Center Admin Only Sites	Layer displays the administrative locations of the organizations that are Health Center Program (HCP) awardees where only non-clinical services are provided and/or administrative work is performed. Uniform Data System (UDS) reporting data on the organization's patient demographics, patient characteristics, quality, costs, and services is included on the information card for these sites.	Uniform Data System , 2024 (Health Resources and Services Administration)	Previous Day
Look-Alike Service Delivery Sites	Displays the locations where Health Center Program look-alikes (LAL) provide patient services. This includes combination administrative/service look-alike sites which meet the service site definition and serve as a site where administrative work is performed.	Uniform Data System , 2024 (Health Resources and Services Administration)	Previous Day
Look-Alike Admin Only Sites	Layer displays the administrative locations of the organizations that are Health Center Program look-alikes (LAL) where only non-clinical services are provided and/or administrative work is performed. Uniform Data System (UDS) reporting data on the organization's patient demographics, patient characteristics, quality, costs, and services is included on the information card for these sites.	Uniform Data System , 2024 (Health Resources and Services Administration)	Previous Day

Map Layer	Definition	Data Source	Most Recent Update
Buprenorphine Practitioners (SAMHSA)	Displays locations of practitioners qualified to offer buprenorphine, a medication approved by the Food and Drug Administration (FDA), for the treatment of opioid use disorders (OUD). The previous mapping tool layer for DATA-Waived providers has been succeeded by a new layer for Buprenorphine Practitioners as of 2023. Practitioners with a current DEA registration that includes Schedule III authority may now prescribe buprenorphine for opioid use disorder as permitted. A DATA-Waiver is no longer required.	Find Treatment , Substance Abuse and Mental Health Services Administration (SAMHSA)	October 2021
Mental Health Facility (SAMHSA)	Displays locations of SAMHSA facilities which provide services including therapy or psychotropic medication to treat a person's mental health issue, reduce symptoms, and improve behavioral functioning and outcomes.	Find Treatment , Substance Abuse and Mental Health Services Administration (SAMHSA)	October 2021
Opioid Treatment Program Facility (SAMHSA)	Displays SAMHSA Opioid Treatment Program (OTPs) facilities that administer and dispense FDA-approved medications for long-term treatment of opioid use disorder.	Find Treatment , Substance Abuse and Mental Health Services Administration (SAMHSA)	October 2021
Substance Use Facility (SAMHSA)	Displays SAMHSA facilities that provide treatment services for both medical and mental health services. Some examples of services are behavioral counseling, medication, medical devices, withdrawal symptoms treatment, evaluation and treatment for co-occurring mental health issues such as depression and anxiety, and long-term follow-up to prevent relapse.	Find Treatment , Substance Abuse and Mental Health Services Administration (SAMHSA)	October 2021
Public Housing Buildings	Displays locations of Public Housing buildings established by the Department of Housing and Urban Development.	Public Housing Buildings , Department of Housing and Urban Development (HUD)	See Link
Public Housing Developments	Displays locations of public housing developments (collections of multiple public housing buildings) established by the Department of Housing and Urban Development.	Public Housing Developments , Department of Housing and Urban Development (HUD)	See Link
CHOICE Neighborhood Program Grantees	This layer displays target areas as submitted by Choice Neighborhood Program award grantees as designated by the Department of Housing and Urban Development.	Choice Neighborhood Grantees , Department of Housing and Urban Development (HUD)	See Link

Map Layer	Definition	Data Source	Most Recent Update
Hospitals	Layer displays U.S. hospitals recognized by the Centers for Medicare & Medicaid Services (CMS).	HRSA Data Warehouse	Previous Day
Indian Health Service (IHS) Facilities	Layer displays Federal Indian Health Service (IHS), tribally run and Urban Indian health clinics that provide medical services to members of federally recognized tribes and Alaska Natives.	HRSA Data Warehouse (via IHS.gov)	June 2023
National Health Service Corps (NHSC) Sites	Displays facilities approved by HRSA for clinicians to provide services in a designated HPSA as part of the National Health Service Corps (NHSC) program. NHSC Sites have met site eligibility requirements allowing them to participate in one or more NHSC programs, including scholarship and loan repayment programs.	HRSA Data Warehouse	Previous Day
Rural Health Clinics (RHCs)	Layer displays the location of all active Rural Health Clinics. The Rural Health Clinic program strives to be the major provider for primary care services for Medicaid and Medicare patients in rural communities which tend to have health disparities due to geographic isolation and low physician density. RHCs can be public, private, or non-profit entities. All RHCs are eligible for facility HPSA designation and the federal funding that comes from that designation, but due to their patient population, RHCs' main funding sources are enhanced reimbursement rates for providing Medicaid and Medicare services to rural populations. As such, RHCs must be located in underserved rural areas, as designated by HRSA, and must employ nonphysician practitioners (i.e., physician assistants or nurse practitioners) alongside physicians as part of a team-based approach to patient care.	HRSA Data Warehouse	Previous Day
Veterans' Health Administration (VHA) Facilities	Displays facilities that provide health care services to veterans as provisioned by the Department of Veteran's affairs. These facilities include the following types: Health Care Center, VA Medical Center, Primary Care Community-based Outpatient Clinic, Multi-Specialty Community-Based Outpatient Clinic, and Other VHA Facility.	HRSA Data Warehouse	Previous Day

Map Layer	Definition	Data Source	Most Recent Update
Facility/Point HPSAs	Displays the locations of federally-linked provider delivery sites which have HPSA designation including HCP and HCP Look-Alikes, Rural Health Clinics, IHS (Indian Health Service) Facilities, Tribal and Urban Indian Facilities, Correctional Facilities, State Mental Hospitals, and Other Facilities (OFACs). There are overlaps between these locations that have a HPSA designation and are one of the facility types that appear in other map layers. All federally qualified health centers facilities receive automatic facility HPSA designation, while Rural Health Clinics must request facility HPSA designation.	HRSA Data Warehouse	Previous Day

Data Estimation Methodologies

Two organizations have provided imputed data to the Health Center Program GeoCare Navigator. Both organizations' imputation methodologies are described here.

JSI, Inc. Methodologies

JSI, Inc. provided imputed data for the comparison of health center patients to underlying populations by insurance types. The following data were developed using the JSI Methodology:

- Pop: Uninsured, Est. (%)
- Pop: Medicaid/ Public Ins., Est. (%)
- Pop: Medicare/ Private Ins., Est. (%)
- HCP: Penetration of Uninsured Population (%)
- HCP: Penetration of Medicaid/ Public Ins. (%)
- HCP: Penetration of Medicare/ Private Ins. (%)
- HCP: Uninsured Not Served by Health Centers (#)
- HCP: Medicaid/ Public Ins. Not Served by Health Centers (#)
- HCP: Medicare/ Private Ins. Not Served by Health Centers (#)
- HCP: Uninsured Not Served by Health Centers (#) (Dot Density)
- HCP: Medicaid/ Public Ins. Not Served by Health Centers (#) (Dot Density)
- HCP: Medicare/ Private Ins. Not Served by Health Centers (#) (Dot Density)

Robert Graham Center Methodologies

Methodology 1

The following data were developed using the Graham Center Methodology 1:

- Pop: Low Birth Weight Rate, Est.
- Pop: Age-Adjusted Mortality Rate (per 100,000), Est.

Base data sets on the (1) data for Low-Birth-Weight Rate and (2) data for Age-Adjusted Mortality Rate (per 100, 000) from the Centers for Disease Control and Prevention WONDER System were obtained. County-level estimates were computed for each of the above population indicators. For the counties that had a population of less than 20,000 people or for which the estimate was unavailable, state level estimates were used for imputation.

1. Imputed block group estimates: For each block group, the rate for each population indicator (low birth weight rate, age-adjusted mortality rate, health indicators, and uninsured) at the imputed county level was applied using the block group population percentages by race and ethnicity.
2. Imputed block estimates: For each block, the rate for each population indicator (low birth weight rate, age-adjusted mortality rate, health indicators, and uninsured) at the block group level was applied to each census block population counts to determine an estimated number of individuals for each variable.

3. Assign census blocks to ZCTAs: Census block 2010 and ZCTA 2010 shapefiles were obtained from the Census Bureau. A Block-to-ZCTA Crosswalk file was created using a spatial join in Geographic Information Systems (GIS) software to code census 2010 block centroids with 2010 ZCTA FIPS ID numbers.
4. Aggregate census block data to ZCTA level: Using the block-to-ZCTA crosswalk file, census block count data from Step 3 were aggregated to the ZCTA-level for all the population indicators.

Methodology 2

The following data were developed using the Graham Center Methodology 2:

- Pop: Adults Ever Told Have Diabetes, Est. (%)
- Pop: Adults Ever Told Have High Blood Pressure, Est. (%)
- Pop: Adults Who Are Obese, Est. (%)
- Pop: Adults with No Dental Visit in Past Year, Est. (%)
- Pop: Adults Who Smoke, Est. (%)
- Pop: Adults Who Are Binge Drinkers, Est. (%)

Health indicators from BRFSS at the ZIP Code Tabulation Area (ZCTA) were estimated using a Small Area Estimation (SAE) methodology developed and validated by the CDC researchers¹. SAE is used to estimate data on health indicators, where such data does not exist currently. SAE techniques include identifying the relationship between the health outcome and a set of explanatory variables (individual level -age, sex, race and contextual level- county poverty) using multilevel regression models. The coefficients thus obtained were applied to a small area level geography where the same set of data (age, race, sex) exist and, probability and prevalence of targeted health outcomes were computed.

1. Part of the analysis was carried out at the CDC Research Data Center (RDC), National Center for Health Statistics.
2. Multilevel logistic regressions were performed on each of the health indicators at the RDC.
3. Individual level and county level weighted estimates were merged with counts of Census block population to compute the probability of risk of a health outcome.
4. Non-sampled counties estimates, were developed using Bayesian spatial smoothing techniques using adjacent counties with random effects.
5. Prevalence of health outcome at the Census block level was obtained by totaling the individual risks of health outcomes over 208 categories in a Census block weighted by the population sizes in that census block.
6. Simulation models were drawn across 1,000 repetitions of model parameters to generate point estimate and 95% confidence interval for prevalence of health outcome by age, sex and race at Census block.
7. Census-block level prevalence of health outcomes were then aggregated to obtain estimates of health outcomes at higher level geographies. SAEs for Targeted Health Outcomes and Behaviors of hypertension, diabetes, obesity, access to care, usual source of care, dental visits, were developed.

¹ Zhang X, Holt JB, Lu H, Wheaton AG, Ford ES, Greenlund JK, Croft, JB. Multilevel regression and poststratification for small-area estimation of population health outcomes: A case study of Chronic Obstructive Pulmonary Disease prevalence using the Behavioral Risk Factor Surveillance System. *Am J Epidemiol.* 2014;179(8):1025-1033.

Imputed block group estimates: For each block group, the rate for each population indicator (low birth weight rate, age-adjusted mortality rate, and uninsured) at the imputed county level was applied using the block group population percentages by race and ethnicity.

Imputed block estimates: For each block, the rate for each population indicator (low birth weight rate, age-adjusted mortality rate, and uninsured) at the block group level was applied to each census block population counts to determine an estimated number of individuals for each variable.

Assign Census blocks to ZCTAs: The most recently available Census Block and ZCTA shapefiles were obtained from the Census Bureau. A block-to-ZCTA Crosswalk file was created using a spatial join in Geographic Information Systems (GIS) software to code Census 2010 block centroids with 2010 ZCTA FIPS ID numbers.

Aggregate Census block data to ZCTA level: Using the block-to-ZCTA crosswalk file, Census block count data from Step 3 were aggregated to the ZCTA-level for all the population indicators.