

National Shortage Designation Project: Auto-HPSAs

April 10, 2018

CRHCP Code: 998-50



Shortage Designations* Help Target Resources**

Shortage Designation Option	National Health Service Corps (NHSC)	NURSE Corps	Health Center Program	CMS HPSA Bonus Payment Program	CMS Rural Health Clinic Program	J-1 Visa Waiver
Primary Care						
Geographic HPSA	X	X		X	X	X
Population HPSA	X	X			X	X
Facility HPSA	X	X				X
Dental Care						
Geographic HPSA	X					
Population HPSA	X					
Facility HPSA	X					
Mental Health						
Geographic HPSA	X	X		X		X
Population HPSA	X	X				X
Facility HPSA	X	X				X
Medically Underserved Area (MUA)			X		X	X
Medically Underserved Population (MUP)			X			X
Exceptional MUP			X			X
State Governor's Certified Shortage Area					X	

*42 USC §254e(d)(1): "The Secretary shall determine health professional shortage areas in the States, publish a descriptive list of the areas, population groups, medical facilities, and other public facilities so designated, and at least annually review and, as necessary, revise such designations."

**List of programs is not exhaustive.



Types of HPSAs

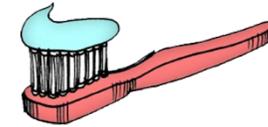
A shortage of:



Primary
Care



Mental
Health



Dental
Health

providers in a:



Geographic Area



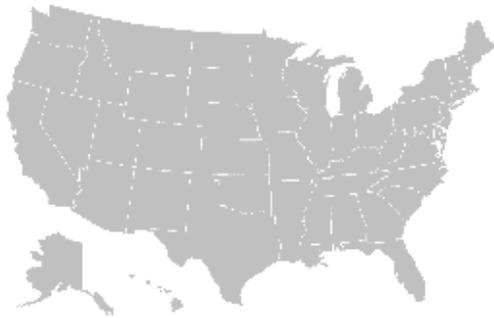
Population
Group



Facility

HPSA Designation Criteria

While the general components of designation analysis are similar across designation types, the specific eligibility criteria vary depending on designation type...



Geographic Area



Population



Facility

Automatically Designated Facility HPSAs

Using the statute and regulations, HRSA has deemed the following facility types as eligible for automatic HPSA designation:

- **Health Centers (funded under Sec. 330)**
- **Health Center Look-Alikes**
- **Tribally-Run Clinics**
- **Urban Indian Organizations**
- **Dual-Funded Tribal Health Centers**
- **Federally-Run Indian Health Service Clinics**
- **Rural Health Clinics meeting NHSC site requirements**



Auto-HPSAs compared to other HPSAs

Similar but not the same

Other HPSAs

- Designation & scoring done online
- Criteria used to first designate as HPSA
- Criteria used to determine HPSA score
- Scores range from 0-25 (26 for dental)
- Designations are required to be reviewed and updated as necessary annually
- Score of “0” is rare

Automatic Facility HPSAs

- Designation & scoring currently done **manually**
- **No application** process necessary
- Same criteria used to determine HPSA score as other HPSAs
- Same scoring range used
- HRSA has not historically required Auto HPSA scores to be reviewed regularly; updates are requested by facility
- Score of “0” **more frequent** and means low shortage or no data was available for scoring

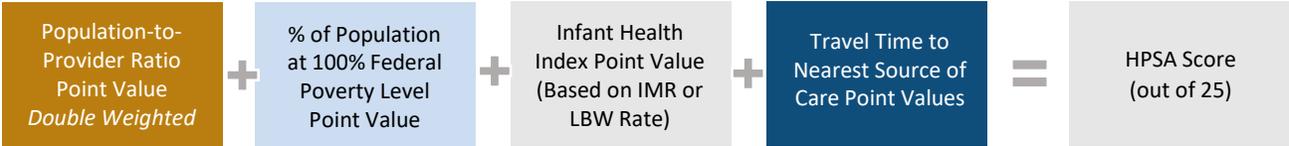


HPSA Scoring Criteria

HPSA scores are based on a variety of criteria and range from 0 to 25 in the case of Primary Care and Mental Health, and 0 to 26 in the case of Dental Health.

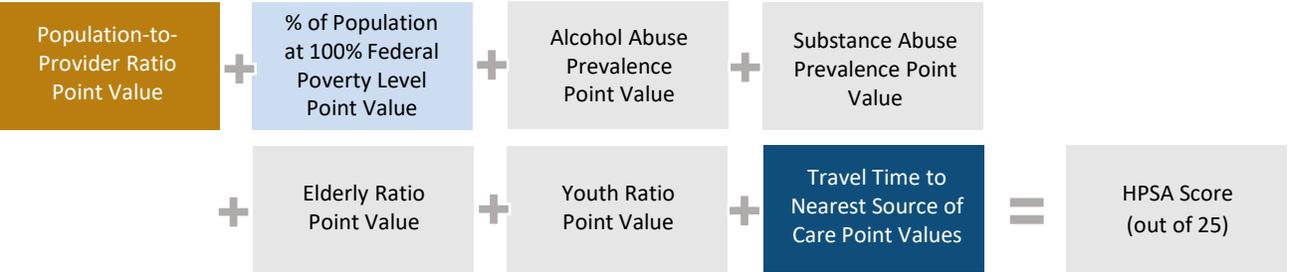
Primary Care

0-25



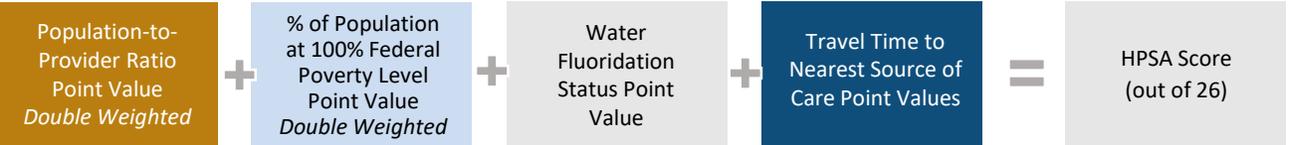
Mental Health

0-25



Dental Health

0-26



HPSA

Scoring Calculations

Criteria	Primary Care			Dental Health			Mental Health
	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded
Population:Provider Ratio	5	x 2	= 10	5	x 2	= 10	7
% of Population below FPL	5	x 1	= 5	5	x 2	= 10	5
Travel distance/time to NSC	5	x 1	= 5	5	x 1	= 5	5
Infant Mortality Rate or Low Birth Weight	5	X 1	= 5				
Water Fluoridation				1	x1	= 1	
Ratio of children under 18 to adults 18-64							3
Ratio of adults 65 and older to adults 18-64							3
Substance abuse prevalence							1
Alcohol abuse prevalence							1
Max Score:			= 25			= 26	= 25



How HPSA Scores are Used



- 1 Priority in Awards
- 2 Award Levels
- 3 Scholar Placement

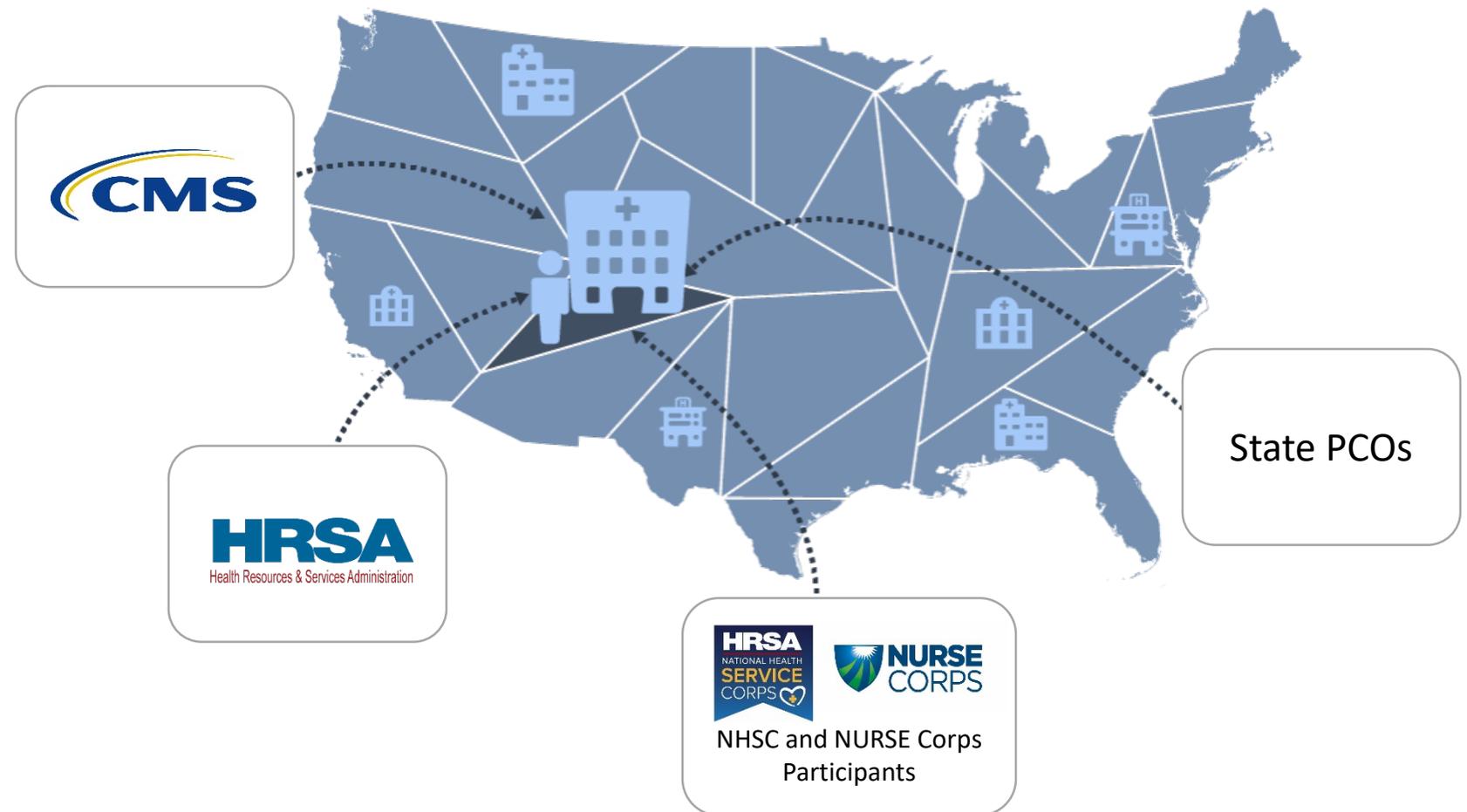


- 1 Funding Preference
- 2 Scholar Placement

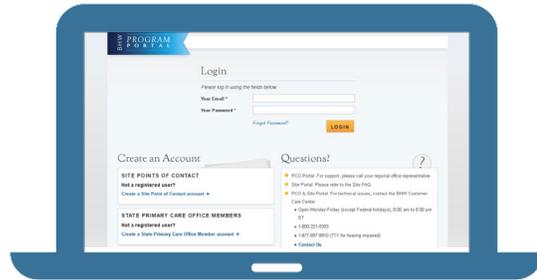


Shortage Designation Modernization Project

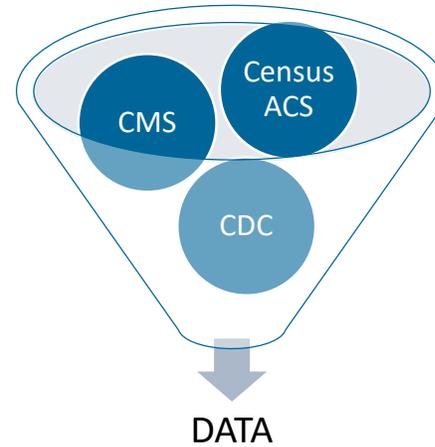
- Shortage designation is authorized by Congress and is supported by HRSA and State Primary Care Offices (PCOs) through a shared responsibility to better serve underserved and rural areas in need of health care access.
- Initiated in 2013, the Project makes this shared goal more efficient, modern, and consistent for all states and territories.



Shortage Designation Management System (SDMS)



... is an online **tool** used by State PCOs and HRSA to manage designations



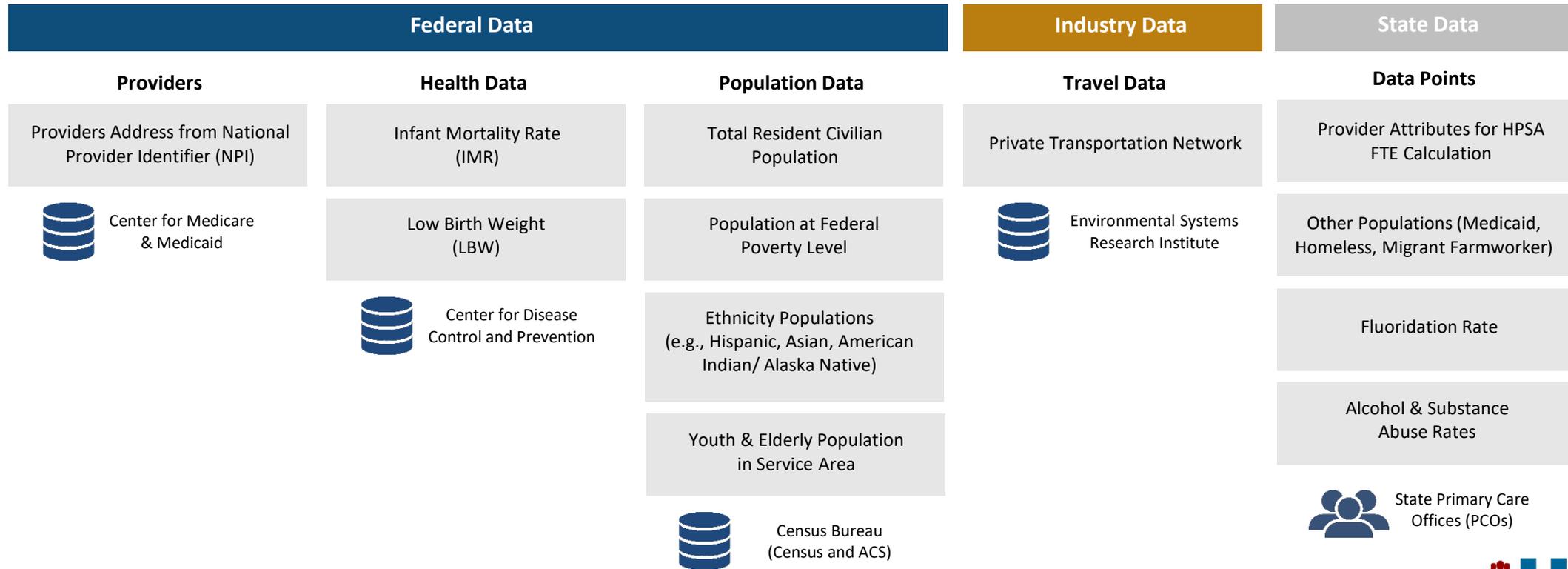
... uses **standard data sets** to calculate designations



... is based on **regulations**

Shortage Designation Management System (SDMS) Data Sources

- Standardized data are sourced from:
 - The Centers for Medicare & Medicaid Services (CMS) for provider data
 - The Centers for Disease Control and Prevention (CDC) for infant health data
 - The Census Bureau for population data
 - The Environmental Systems Research Institute (ESRI) for travel and spatial mapping data

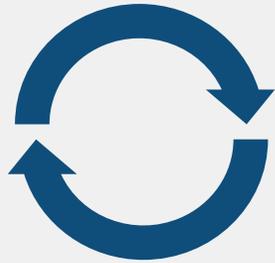


Shortage Designation Modernization Project



Why modernize Auto-HPSAs?

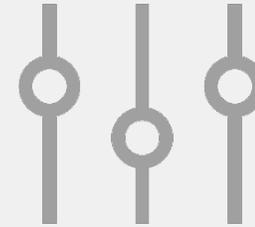
HRSA and stakeholders agree that...



Auto-HPSA scores must be updated



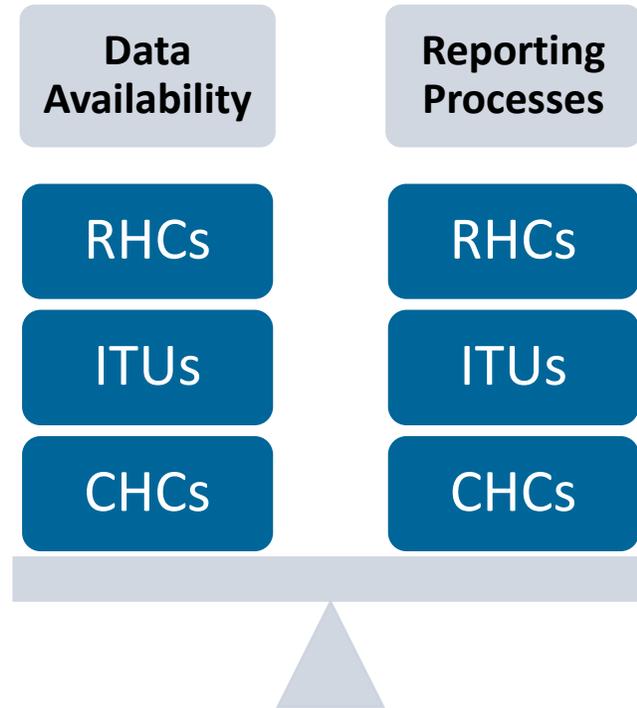
Auto-HPSA scores should reflect current data



Auto-HPSA scores should be based on data that reflects current levels of need



Auto-HPSA Working Group: Data Proposals



Auto-HPSA 2018 Milestones*

2018

Task	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Primary Care Offices continue to review and revise provider data												
Stakeholder review of timeline and approach												
Ad Hoc Auto-HPSA Communications Working Group												
Auto-HPSA impact analysis technical development												
Initial impact analysis results available												
Communication of impact analysis results												
Additional impact analyses released (and continued in 2019)												

***National Shortage Designation Update of Auto-HPSAs tentatively planned for April 2019.**

PCO provider data collection efforts, impact analyses and stakeholder engagement to continue in 2019.

Current processes for Auto-HPSAs remain in place.

No changes have been made to the scoring criteria.

To request a score or rescore, email SDB@hrsa.gov.



Population: Provider Ratio	Primary Care			Dental Health			Mental Health
HPSA Scoring Criteria	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded
<i>Population: Provider Ratio</i>	5	x 2	= 10	5	x 2	= 10	7

Community Health Centers*

SERVICE AREA

- Defined by zip codes in which **75% of a Auto-HPSA facility's patients reside** to create a Zip Code Tabulation Area (ZCTA)-based service area. (Source: UDS)

DEFINITION

- Population defined **as low income population at or below 200% FPL** in the service area. (Source: Census)
- Providers defined as the count of eligible **FTEs that serves Medicaid patients OR provides services on a sliding fee scale** in the service area. (Source: SDMS)

Rural Health Clinics**

SERVICE AREA

- Defined by census tracts intersecting with a **30 or 40 minute travel polygon** to create service area. (Source: SDMS)

DEFINITION

- Population defined as **total population** in the service area. (Source: Census)
- Providers defined as the count of eligible **FTEs** in the service area. (Source: SDMS)

I/T/Us**

SERVICE AREA

- Defined by census tracts intersecting with a **30 or 40 minute travel polygon** to create service area. (Source: SDMS)

DEFINITION

- Population defined as **total population of American Indians/Alaska Natives** in the service area. (Source: Census)
- Providers defined as the count of eligible **FTEs that serve the American Indian/Alaska Native** populations within the service area. (Source: SDMS)

*Scoring will be at the organizational level.

**Following the National Update, RHCs and ITUs may provide facility-level data to their State Primary Care Offices to be rescored.



% of Population Below FPL	Primary Care			Dental Health			Mental Health
	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded
HPSA Scoring Criteria							
<i>% of Population below FPL</i>	5	x 1	= 5	5	x 2	= 10	5

Community Health Centers

SERVICE AREA

- Not used

DEFINITION

- Out of an **Auto-HPSA facility's total patient population**, the count of individuals at or below 100% FPL **divided by the total unduplicated patient population**. (Source: UDS)

Rural Health Clinics*

SERVICE AREA

- Defined by census tracts intersecting with a 30 or 40 minute travel polygon to create service area. (Source: SDMS)

DEFINITION

- Out of the **population in the service area**, the count of individuals at or below 100% FPL **divided by the total population for whom poverty is determined**. (Source: Census)

I/T/Us*

SERVICE AREA

- Defined by census tracts intersecting with a 30 or 40 minute travel polygon to create service area. (Source: SDMS)

DEFINITION

- Out of the **American Indian/Alaska Native population in the service area**, the percentage of individuals at or below 100% FPL. (Source: Census)

*Following the National Update, RHCs and ITUs may provide facility-level data to their State Primary Care Offices to be rescored.



Travel Distance/Time to Nearest Source of Care (NSC)	Primary Care			Dental Health			Mental Health
	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded
HPSA Scoring Criteria							
<i>Travel distance/time to nearest source of care (NSC)</i>	5	x 1	= 5	5	x 1	= 5	5

Community Health Centers

DEFINITION

- The nearest ***provider that serves Medicaid patients AND provides services on a sliding fee scale*** who is not in an over utilized* area. (Source: SDMS)

Rural Health Clinics

DEFINITION

- The nearest ***provider that serves Medicaid patients AND provides services on a sliding fee scale*** who is not in an over utilized* area. (Source: SDMS)

I/T/Us

DEFINITION

- The nearest ***provider that serves American Indian/Alaska Native*** populations who is not in an over utilized* area. (Source: SDMS)
- Note:** HRSA is assessing the feasibility of using distance and time from I to I, T to T, U to U

*To determine overutilization: a 30-40 minute travel polygon will be drawn around each provider based on private transportation to create an area from which the population and provider data will be pulled. (Source: SDMS)

A provider will be considered over-utilized if the population to provider ratio is greater than:

- Primary Care:** 2,000:1
- Dental Health:** 3,000:1
- Mental Health**
 - Providers will be considered over-utilized if the population-to-provider ratio for psychiatrists > 10,000:1 and the population-to-provider ratio for Core Mental Health providers is > 3,000:1;
 - If there is no data on Core Mental Health providers other than psychiatrists or the Core Mental Health other than psychiatrists FTE = 0, providers will be considered over utilized if the population-to-provider ratio for psychiatrists is > 20,000:1.x



Infant Mortality Rate or Low Birth Rate	Primary Care			Dental Health			Mental Health
	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded
HPSA Scoring Criteria							
<i>Infant Mortality Rate or Low Birth Weight</i>	5	x 1	= 5				

Community Health Centers

DEFINITION

- **IMR:** Out of the total population, the count of infant deaths divided by the total number of infant births for the county in which the Auto-HPSA service areas are located. Scaled by 1,000. (Source: CDC)
- **LBW:** Out of the total population, the count of low birth weight births divided by the total number of infant births for the county in which the Auto-HPSA sites are located. Scaled by 100. (Source: CDC)

Rural Health Clinics

DEFINITION

- **IMR:** Out of the total population, the count of infant deaths divided by the total number of infant births for the county in which the Auto-HPSA service area are located. Scaled by 1,000. (Source: CDC)
- **LBW:** Out of the total population, the count of low birth weight births divided by the total number of infant births for the county in which the Auto-HPSA sites are located. Scaled by 100. (Source: CDC)

I/T/Us

DEFINITION

- **IMR:** Out of the total population, the count of infant deaths divided by the total number of infant births for the county in which the Auto-HPSA service area are located. Scaled by 1,000. (Source: CDC)
- **LBW:** Out of the total population, the count of low birth weight births divided by the total number of infant births for the county in which the Auto-HPSA sites are located. Scaled by 100. (Source: CDC)



Water Fluoridation	Primary Care			Dental Health			Mental Health
	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded
HPSA Scoring Criteria							
<i>Water Fluoridation</i>				1	x 1	= 1	

Community Health Centers

DEFINITION

- Score default to “0”.

Rural Health Clinics

DEFINITION

- Score default to “0”.

I/T/Us

DEFINITION

- Score default to “0”.

After the National Update tentatively scheduled for April 2019, all Auto-HPSA facilities may provide supplemental information to their State Primary Care Offices for point to be awarded.



Ratio of Children & Ratio of Adults	Primary Care			Dental Health			Mental Health
	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded
HPSA Scoring Criteria							
<i>Ratio of children under 18 to adults 18-64</i>							3
<i>Ratio of adults 65 and older to adults 18-64</i>							3

Community Health Centers

DEFINITION

- Out of the total patient population, the count of individuals younger than 18, or 65 and older, divided by the count of adults age 18-64. (Source: UDS)

Rural Health Clinics*

DEFINITION

- The count of individuals younger than 18, or 65 and older, divided by the count of adults age 18-64. (Source: Census)

I/T/Us*

DEFINITION

- The count of individuals younger than 18, or 65 and older, divided by the count of adults age 18-64. (Source: Census)

*Following the National Update, RHCs and ITUs may provide facility-level data to their State Primary Care Offices to be rescored.



Substance Abuse Prevalence & Alcohol Abuse Prevalence	Primary Care			Dental Health			Mental Health
	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded	Multiplier	Total Points Possible	Max Pts Awarded
HPSA Scoring Criteria							
<i>Substance abuse prevalence</i>							1
<i>Alcohol abuse prevalence</i>							1

Community Health Centers

DEFINITION

- Score default to “0”.

Rural Health Clinics

DEFINITION

- Score default to “0”.

I/T/Us

DEFINITION

- Score default to “0”.

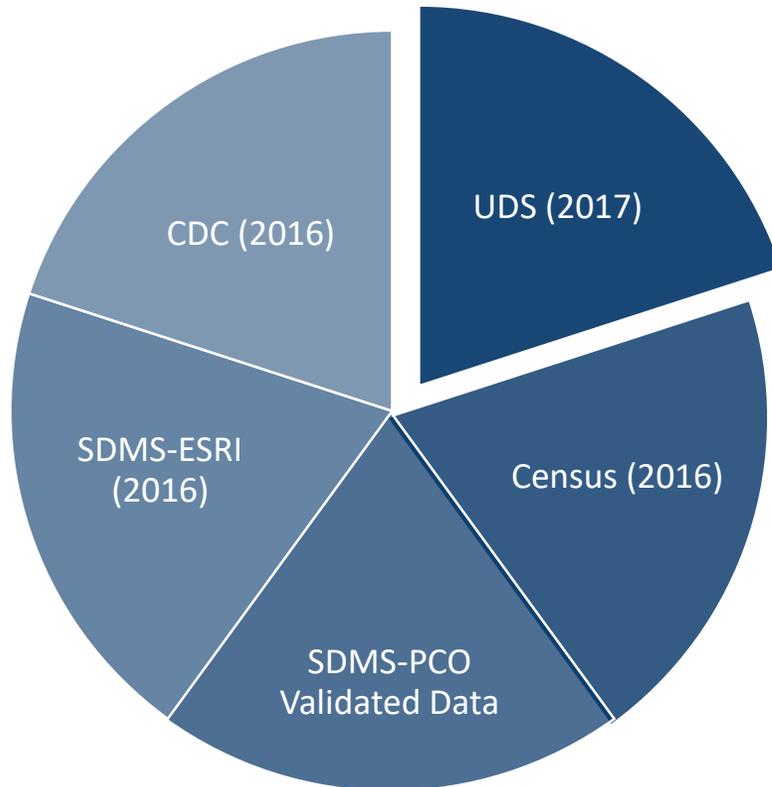
After the National Update tentatively scheduled for April 2019, all Auto-HPSA facilities may provide supplemental information to their State Primary Care Offices for point to be awarded.

**Following the National Update, RHCs and ITUs may provide facility-level data to their State Primary Care Offices to be rescored.*

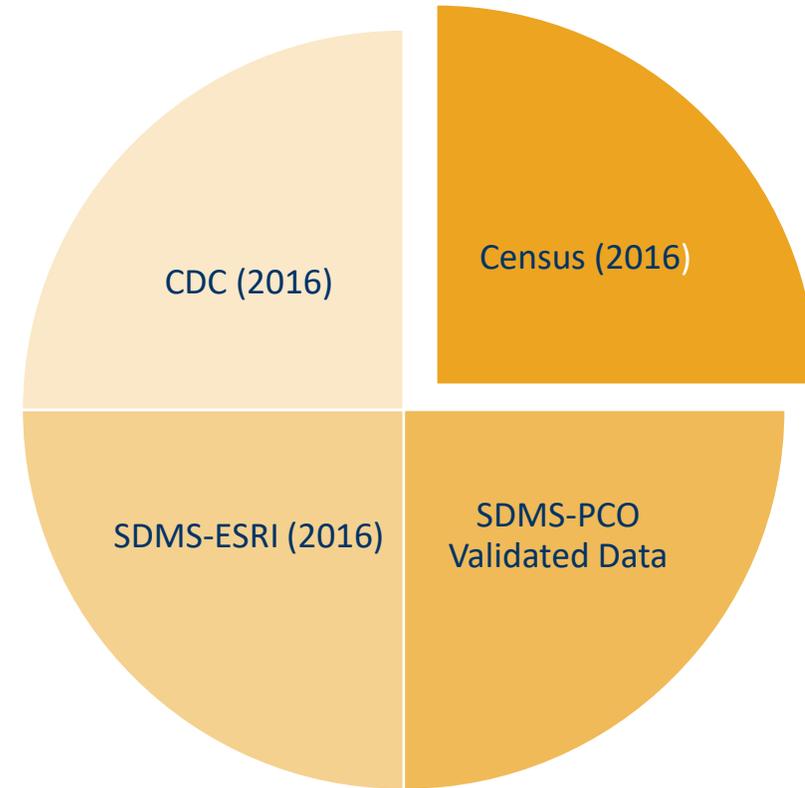


Impact Analyses* Data Sources Summary

Community Health Centers
(scored at the organizational level)



RHCs, I/T/Us
(scored at the organizational or site level)



* After the National Update tentatively scheduled for April 2019, Auto-HPSA facilities may provide information (facility-level data and/or supplemental data) to their State Primary Care Offices to be rescored.



Next Steps

- Communicate, communicate, communicate
- Distribute the results of the first impact analysis (anticipated August 2018)



Contact Information

SDB@HRSA.GOV	SDMP@HRSA.GOV
<p>To request a score or rescore. <i>(Current process.)</i></p>	<p>For questions about the Shortage Designation Modernization Project including:</p> <ul style="list-style-type: none">• Impact analyses, and• HPSA designation updates

