

Validating Providers used to calculate Primary Care HPSAs

1.) **Only MD/DOs are included in the Primary Care HPSA placement and scoring.** While midlevel providers such as Nurse Practitioners (NPs), Registered Nurses (RNs), and Physicians Assistants (PAs) are eligible to participate in National Health Service Corps (NHSC) and State incentive programs, they have no effect on the Primary Care HPSA score.

**Certified Nurse Midwives (CNMs) are only counted in new Maternal and Child Health Target Area (MCTA) sub-designations. Every Primary Care HPSA will be assigned a MCTA score based on only the Obstetrics/Gynecology and CNM tour hours. The MCTA score or CNM tour hours have no bearing on the Primary Care HPSA scoring.*

2.) Updated provider NPI data is automatically uploaded in the HRSA provider database nightly. State Primary Care Offices (PCOs) have a year from the time a provider location record is updated to validate, edit, or omit it before the record is automatically added to the HPSA calculations at a default of 40 tour hours. Providers keeping their NPI records up-to-date makes a huge difference in the PCO workload and helps ensure accuracy <https://npiregistry.cms.hhs.gov/search>

2.) The provider specialties used to calculate the Primary Care HPSA score as show in the screenshot from the HRSA portal (below) are: Family Practice, General Practitioner, Internal Medicine, Obstetrics and Gynecology, and Pediatrics

The screenshot shows the HRSA Provider Search portal. The search criteria are as follows:

- State:** Virginia
- County Name:** Select County Name
- Discipline:** Primary Care
- Specialty:** Family Practice, General Practitioner, Internal Medicine, Obstetrics and Gynecology, Pediatrics
- First Name:** Enter First Name
- Last Name:** Enter Last Name
- NPI:** Enter NPI Number
- Designation/Organization Name:** Enter Designation or Organization Name
- Designation ID:** Enter Designation ID
- Organization Unique ID:** Enter Organization Unique ID
- Ineligible Reason:** Select Ineligible Reason
- County FIP:** Select County FIP
- CSD:** Enter CSD Number
- ZCTA Public ID:** Enter ZCTA Public ID
- NPI Change Type:** Select NPI Change Type
- NPI Change Date:** Select NPI Change Date
- License Number:** Enter License Number
- Last Updated By:** Select User
- Clinician Data Reviewed:** Yes (selected), No

Buttons: Search, Clear

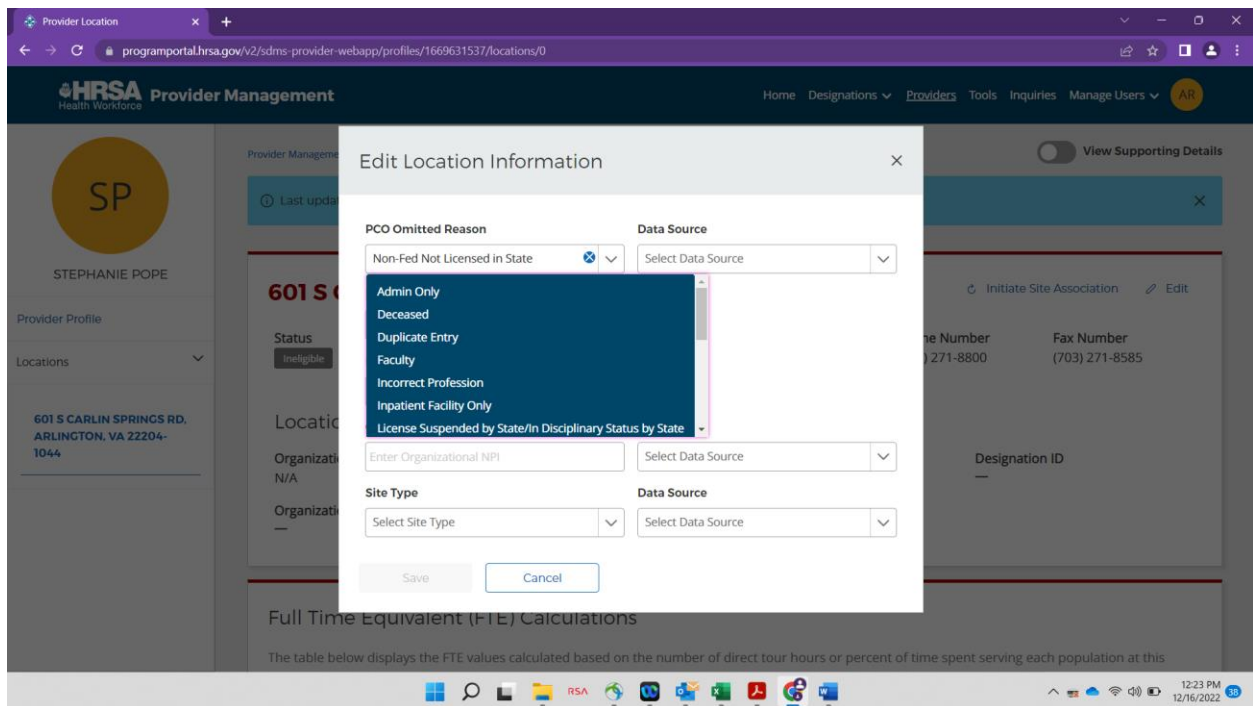
3.) The list of specialties in the portal are further parred down by removing taxonomies not included in the HRSA-mandated list below

207Q00000X	Allopathic & Osteopathic Physicians	Family Medicine	Family Medicine	PC	FP
207QA0000X	Allopathic & Osteopathic Physicians	Family Medicine	Adolescent Medicine	PC	FP
207QA0505X	Allopathic & Osteopathic Physicians	Family Medicine	Adult Medicine	PC	FP
207QG0300X	Allopathic & Osteopathic Physicians	Family Medicine	Geriatric Medicine	PC	FP
207R00000X	Allopathic & Osteopathic Physicians	Internal Medicine	Internal Medicine	PC	IM

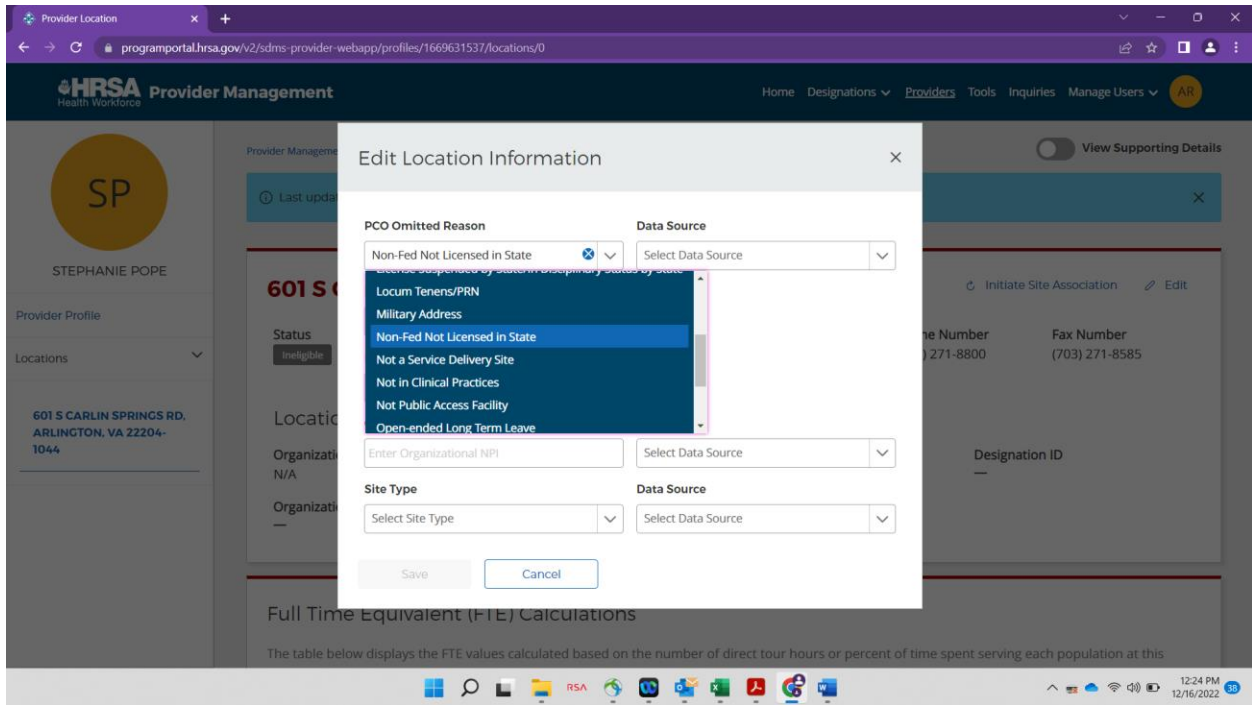
TAXONOMY_CODE	TAXONOMY_TYPE	CLASSIFICATION	SPECIALIZATION	PROVIDER_DISCIPLINE_TYPE	PROVIDER_SPECIALTY_TYPE
207RA0000X	Allopathic & Osteopathic Physicians	Internal Medicine	Adolescent Medicine	PC	IM
207RG0300X	Allopathic & Osteopathic Physicians	Internal Medicine	Geriatric Medicine	PC	IM
207V00000X	Allopathic & Osteopathic Physicians	Obstetrics & Gynecology	Obstetrics & Gynecology	PC	OBG
207VG0400X	Allopathic & Osteopathic Physicians	Obstetrics & Gynecology	Gynecology	PC	OBG
207VX0000X	Allopathic & Osteopathic Physicians	Obstetrics & Gynecology	Obstetrics	PC	OBG
208000000X	Allopathic & Osteopathic Physicians	Pediatrics	Pediatrics	PC	PD
2080A0000X	Allopathic & Osteopathic Physicians	Pediatrics	Adolescent Medicine	PC	PD
208D00000X	Allopathic & Osteopathic Physicians	General Practice	General Practice	PC	FP

4.) The number of eligible providers is further scaled down using the following HRSA-approved omission reasons (**provider location cannot be omitted unless one of the omission reasons in the portal is selected from the dropdown**):

- *Admin only
- *Deceased
- *Duplicate Entry
- *Faculty
- *Incorrect Profession
- *Inpatient Facility Only
- *License Suspended by State/In Disciplinary Status by State



- *Locum Tenens/PRN
- *Military Address
- *Non-Fed Not Licensed in State
- *Not a Service Delivery Site
- *Not in Clinical Practices
- *Not a Public Access Facility (ex. Veterans Administration Clinics)
- *Open-Ended Long Term Leave (ex. License is listed as “currently inactive” by the Board of Medicine)

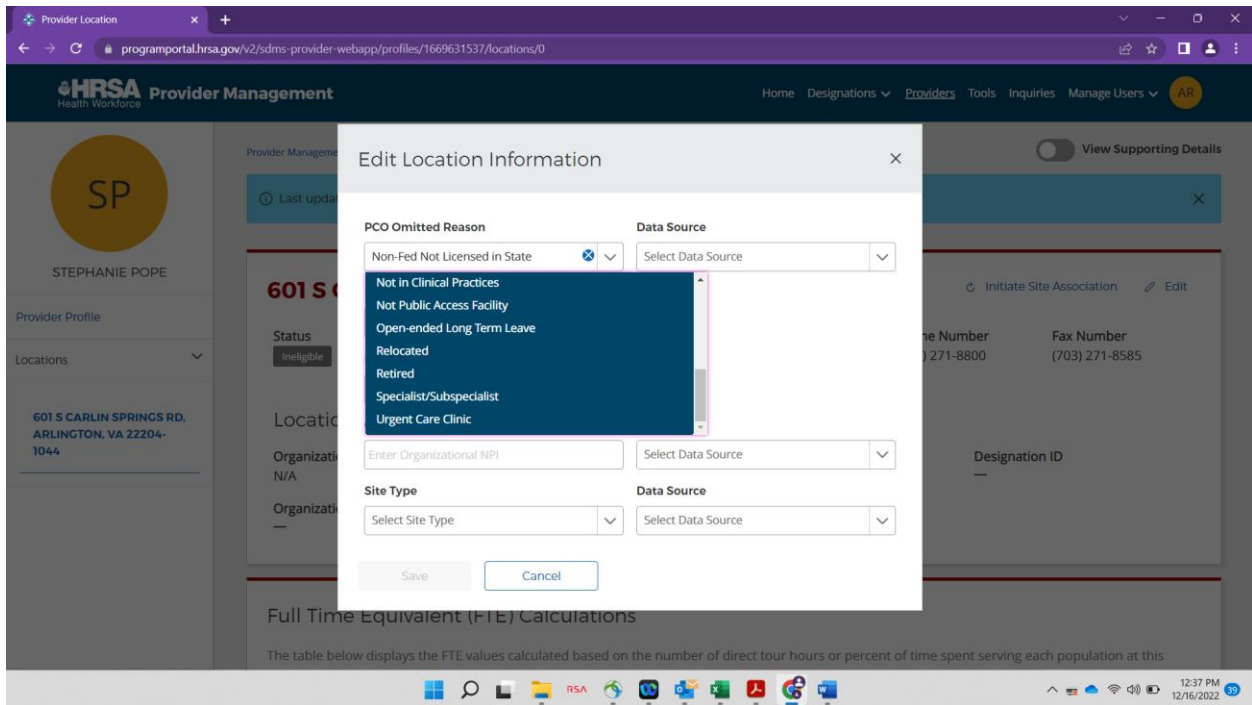


*Relocated

*Retired

*Specialist/Subspecialist (ex. taxonomy not on the HRSA-approved list)

*Urgent Care Clinic



Examples of Omitted Provider Locations:

- *Geriatrics is considered an eligible taxonomy, but doctors working in an inpatient facility or residential nursing home are omitted as “Inpatient Facility Only “ or “ Not a Public Access Facility”
- *Provider works at 2 addresses, 1 where they provide direct patient care and 1 where they do research. The location where they provide patient care is kept active. The located where they perform research is omitted as “Not a Service Delivery Site”
- *Provider has an active license to practice medicine but works exclusively in public health policy. That provider address is omitted as “Not in Clinical Practices”

5.) Once a provider location and taxonomy is confirmed to be eligible we confirm the direct patient tour hours worked at that location. We do this by cross referencing several state-run licensing databases:

<https://www.vahealthprovider.com/search.asp>

<https://dhp.virginiainteractive.org/Lookup/Index>

We also receive biennial surveys from the Department of Health Professions that list weeks worked per year, hours worked per week, and break down the provider hours various duties. Encouraging providers to fill out these surveys is a great step to ensuring accuracy in HPSA calculations.

Location and license data are excluded from the image below to be in compliance with DHP’s data sharing rules.

	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	Locs
31788	15	95	5	0	0	95	15	15	0	0	47	52	47	52	2444	4888	1.222	1.222	2.444		
31789	15	75	15	0	0	5	95	0	0	0	62	52	42	8	3224	336	3560	1.612	0.168	1.78	
31790	15	95	0	0	0	993	993	993	993	993	52	52	7	29	2704	203	2907	1.352	0.1015	1.4535	
31791	45	35	25	5	0	5	95	5	0	0	42	49	7	12	2058	84	2142	1.029	0.042	1.071	
31792	15	75	0	0	0	0	100	0	0	0	7	1	52	9	7	468	475	0.0035	0.234	0.2375	
31793	15	95	0	0	0	15	95	0	0	0	32	52	17	52	1664	884	2548	0.832	0.442	1.274	
31794	65	35	5	0	0	65	35	5	0	0	42	44	42	44	1848	1848	3696	0.924	0.924	1.848	
31795	5	95	0	0	0	0	95	0	0	0	32	40	7	1	1280	7	1287	0.64	0.0035	0.6435	
31796	5	95	0	0	0	5	95	0	0	0	22	46	22	46	1012	1012	2024	0.506	0.506	1.012	
31797	15	85	15	0	0	15	85	15	0	0	52	50	17	20	2600	340	2940	1.3	0.17	1.47	
31798	15	85	5	0	0	15	85	5	0	0	62	48	62	10	2976	620	3596	1.488	0.31	1.798	
31799	993	993	993	993	993	993	993	993	993	993	32	24	47	24	768	1128	1896	0.384	0.564	0.948	
31800	5	95	5	0	0	0	100	0	0	0	57	45	7	1	2565	7	2572	1.2825	0.0035	1.286	
31801	0	100	0	0	0	0	100	0	0	0	57	48	22	48	2736	1056	3792	1.368	0.528	1.896	
31802	5	95	0	0	0	5	95	0	0	0	82	31	42	13	2542	546	3088	1.271	0.273	1.544	
31803	5	95	5	0	0	5	95	5	0	0	27	40	7	18	1080	126	1206	0.54	0.063	0.603	
31804	0	95	0	0	0	0	100	0	0	0	37	48	12	48	1776	576	2352	0.888	0.288	1.176	
31805	15	0	55	5	25	0	0	0	0	100	42	22	12	50	924	600	1524	0.462	0.3	0.762	
31806	0	95	5	0	0	0	100	0	0	0	52	46	7	46	2392	322	2714	1.196	0.161	1.357	
31807	5	85	0	0	0	15	95	5	0	0	42	52	17	6	2184	102	2286	1.092	0.051	1.143	
31808	993	993	993	993	993	993	993	993	993	993	22	52	42	50	1144	2100	3244	0.572	1.05	1.622	
31809	5	85	15	0	0	5	85	5	0	0	22	49	32	49	1078	1568	2646	0.539	0.784	1.323	
31810	0	100	0	0	0	0	100	0	0	0	42	40	42	12	1680	504	2184	0.84	0.252	1.092	
31811	5	95	0	0	0	5	95	0	0	0	17	24	17	48	408	816	1224	0.204	0.408	0.612	
31812	5	95	5	5	0	5	95	5	0	0	37	48	12	48	1776	576	2352	0.888	0.288	1.176	
31813	0	95	5	0	0	0	95	5	0	0	12	48	12	48	576	576	1152	0.288	0.288	0.576	

In cases where the percentages listed in the survey add up to more than 100%. The interpretation that results in the lowest four hours is used.

Using Row 31791 from the above image as an example, this is how this provider's tour hours are calculated:

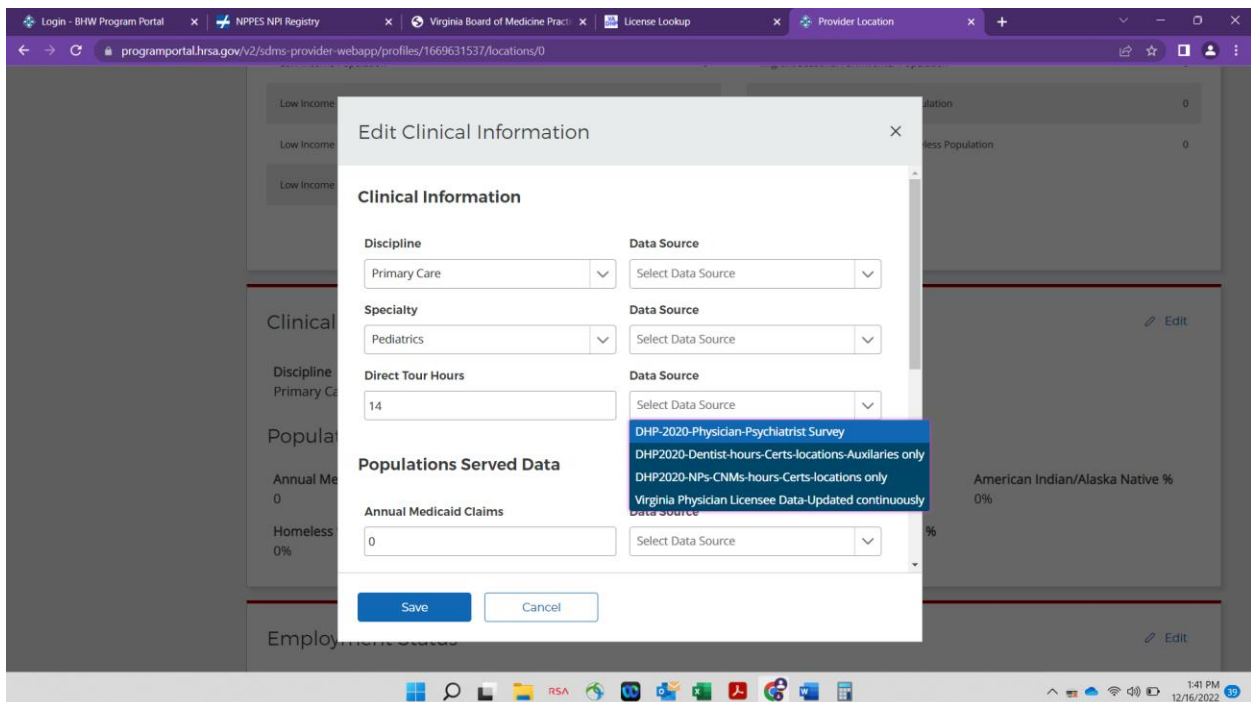
-(49 weeks * 42 hours/week)/ 52 weeks = 39.5 weekly total hours a this provider's primary location

-PriPC refers to the percentage (35% in this example) of the total hours a provider works in direct patient care:

39.5 weekly total hours * 0.35 = 13.85 direct tour hours

(rounded to the nearest integer= 14 hours)

The calculated tour hours are entered into the HRSA portal as followed.



6.) Once provider eligibility, location, and direct tour hours are confirmed we can enter the low income metrics. Medicaid Claims and Sliding Fee Scale claims are the only values used to calculate the low income Full Time Equivalent (1 FTE=40 hours) used to score Low Income HPSAs or Auto-HPSAs like FQHCs.

FQHCs have UDS data readily available so I use “% Medicaid/CHIP patients” and “% non-insured patients” as an estimate for sliding fee scale (see screenshots below). I prefer to use percentage data since it self-calibrates to the direct tour hours when calculating the Low Income FTEs.

I pull Medicaid Claims data for non-FQHC providers from the All Payer's claims database and correct for number of visits/episodes so that there is only 1 Medicaid claim recorded for each patient visit. Otherwise, the impact of Medicaid would be inflated when there are multiple claims per visit.

I do not have a consistent way to record Sliding Fee Scale data for non-FQHC sites, but I use the following workarounds to act in good faith when updating the HRSA provider database:

All physician four hours attributed a free clinic location are 100% Sliding Fee Scale. Sites certifying or recertifying for NHSC must report their percentage of Sliding Fee Scale visits, so doctors at these sites will have that value entered into Low Income FTEs.

Patient Characteristics	2017	2018	2019	2020	2021
Income Status (% of patients with known income)					
Total Patients with Known Income (Denominator)	18,930	19,980	16,107	11,286	10,109
% Patients at or Below 200% of Federal Poverty Guideline	97.30 %	96.52 %	96.22 %	95.57 %	95.32 %
Patients at or Below 200% of Federal Poverty Guideline	18,419	19,284	15,498	10,786	9,636
% Patients at or Below 100% of Federal Poverty Guideline (included in above)	71.88 %	70.43 %	65.20 %	61.91 %	59.39 %
Patients at or Below 100% of Federal Poverty Guideline (included in above)	13,607	14,072	10,502	6,987	6,004
Insurance Status (% of total patients)					
% None/Uninsured Patients	34.94 %	30.21 %	23.07 %	20.51 %	17.44 %
None/Uninsured Patients	15,131	13,312	10,564	8,875	8,411
% None/Uninsured Children (<18 years)	21.89 %	14.43 %	18.90 %	17.91 %	18.76 %
None/Uninsured Children (<18 years)	1,411	884	1,223	966	1,204
% Medicaid/CHIP Patients	17.90 %	20.81 %	29.84 %	30.32 %	31.23 %
Medicaid/CHIP Patients	7,750	9,170	13,663	13,121	15,060
% Medicare Patients	20.22 %	20.98 %	21.28 %	22.45 %	23.62 %

programportal.hrsa.gov/v2/sdms-provider-webapp/profiles/1669631537/locations/0

Edit Clinical Information

Populations Served Data

Annual Medicaid Claims	0	Data Source	Select Data Source
Medicaid Patient %	31	Data Source	Health Center Program-UDS Data-upd
Sliding Fee Scale %	17	Data Source	Health Center Program-UDS Data-upd
American Indian/Alaska Native %	0	Data Source	Select Data Source
Homeless %	0	Data Source	Select Data Source

Save Cancel

programportal.hrsa.gov/v2/sdms-provider-webapp/profiles/1669631537/locations/0

Full Time Equivalent (FTE) Calculations

The table below displays the FTE values calculated based on the number of direct four hours or percent of time spent serving each population at this location.

Geographic Area	0.35	Low Income Migrant Seasonal Worker Population	0.168
Geographic Area High Needs	0.35	Low Income Migrant Seasonal Worker Homeless Population	0.168
Medicaid Eligible Population	0.1085	Homeless Population	0
American Indian/Alaska Native Population	0	Migrant Farmworker Population	0
Low Income Population	0.168	Migrant Seasonal Farmworker Population	0
Low Income Homeless Population	0.168	Migrant Farmworker Homeless Population	0
Low Income Migrant Farmworker Population	0.168	Migrant Seasonal Worker and Homeless Population	0
Low Income Homeless Migrant Farmworker Population	0.168		

Clinical Information [Edit](#)

Mental Provider validated the same way, with only Psychiatrists in the following taxonomies counted toward HPSA scoring.

2084A0401X	Allopathic & Osteopathic Physicians	Psychiatry & Neurology	Addiction Medicine	MH	PSY
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TAXONOMY_CODE	TAXONOMY_TYPE	CLASSIFICATION	SPECIALIZATION	PROVIDER_DISCIPLINE_TYPE	PROVIDER_SPECIALTY_TYPE
2084P0800X	Allopathic & Osteopathic Physicians	Psychiatry & Neurology	Psychiatry	MH	PSY
2084P0802X	Allopathic & Osteopathic Physicians	Psychiatry & Neurology	Addiction Psychiatry	MH	PSY
2084P0804X	Allopathic & Osteopathic Physicians	Psychiatry & Neurology	Child & Adolescent Psychiatry	MH	PSY
2084P0805X	Allopathic & Osteopathic Physicians	Psychiatry & Neurology	Geriatric Psychiatry	MH	PSY