



"Access to Safe, Quality  
Healthcare Environments that  
Meet California's Diverse and  
Dynamic Needs"

# AUTO FACILITY HPSA SCORES

March 29 and  
30, 2018  
San Francisco,  
CA

# AUTOMATIC HPSA STATUTE

- Legislation SEC. 332. (42 U.S.C. 254e.) created “Automatic Facility (Auto) HPSAs”
- Passed by Congress in 2002, and updated in 2008, the Health Care Safety Net Amendments created a separate type of HPSA designation, based on facility or site type

# AUTO HPSA FACILITIES

- Section 330 Health Center Program grantees
- FQHC Look-A-Likes (LALs)
- Dual-funded Community Health Centers/Tribal Health Clinics
- Certified Rural Health Clinics (RHCs) meeting NHSC-Site Requirements
- Federally-Run Indian Health Service Clinics
- Urban Indian Organizations

# AUTOMATIC HPSA OVERVIEW I

- HPSAs are scored to determine the degree of shortage for use primarily in the National Health Service Corps
- Auto HPSAs are manually scored by BHW/SDB outside of the federal system using data obtained by BHW or from other national sources
- Scores of “0” can mean one of two things:
  - Data was provided by the facility that indicated a relatively low shortage, so the calculated score was “0”
  - Data was not provided by the facility, so the score could not be calculated. In this case “0” means “null”
- Auto HPSA scores can be viewed on the HRSA website, <https://datawarehouse.hrsa.gov/tools/analyzers/hpsafind.aspx>

# AUTOMATIC HPSA OVERVIEW II

- Criteria used in scoring Auto HPSAs is the same as other HPSAs
  - Population to Provider Ratio
  - Percent of Population Below 100% FPL
  - Travel Time or Distance to Nearest Source of Care
  - Infant Mortality Rate or Low Birth Weight (Primary Care Only)
  - Access to Fluoridated Water (Dental Care Only)
  - Youth and Elderly Ratio & Substance and Alcohol Abuse Prevalence (Mental Health Only)
- Health Centers & Health Center Look-Alikes have a unique scoring structure

# CURRENT AUTO HPSA SCORING

- Population to Provider Ratio
  - FQHCs/LALs: Uniform Data System (UDS) data
  - RHCs: HPSA data or survey of MSSA
  - IHS clinics: no data available, use HPSA data if applicable or survey of service area
- Population Below 100% Federal Poverty Level (FPL)
  - FQHCs/LALs: UDS data
  - RHCs: HPSA or MSSA data
  - IHS clinics: no data available, use service area data
- Infant Mortality or Low Birth Weight
  - County Level data from the Centers for Disease Control
- Travel Time or Distance to Nearest Source of Care
  - Use the nearest provider that accepts Medicaid/Sliding Fee Scale that treats a similar population

# CURRENT REQUEST PROCESS

- Contact HRSA directly or PCO for requesting auto-HPSA rescore
- HRSA scores HPSAs manually, not a quick process
- Same scoring criteria used for non-auto HPSAs is used for the auto-HPSA scoring
- Only updated when requested by facility

# REASONS FOR PROPOSED CHANGES TO AUTO-HPSA SCORING:

- Simplify and improve speed of scoring process
- Create transparency in the auto-scoring process
- Use current provider data to accurately reflect the needs of the clinic and the community
- Normalize the frequency of the scoring updates
- Impact analysis will be done in August and continually updated until April 2019



# PROPOSED AUTO-HPSA CHANGES FOR IMPACT ANALYSIS

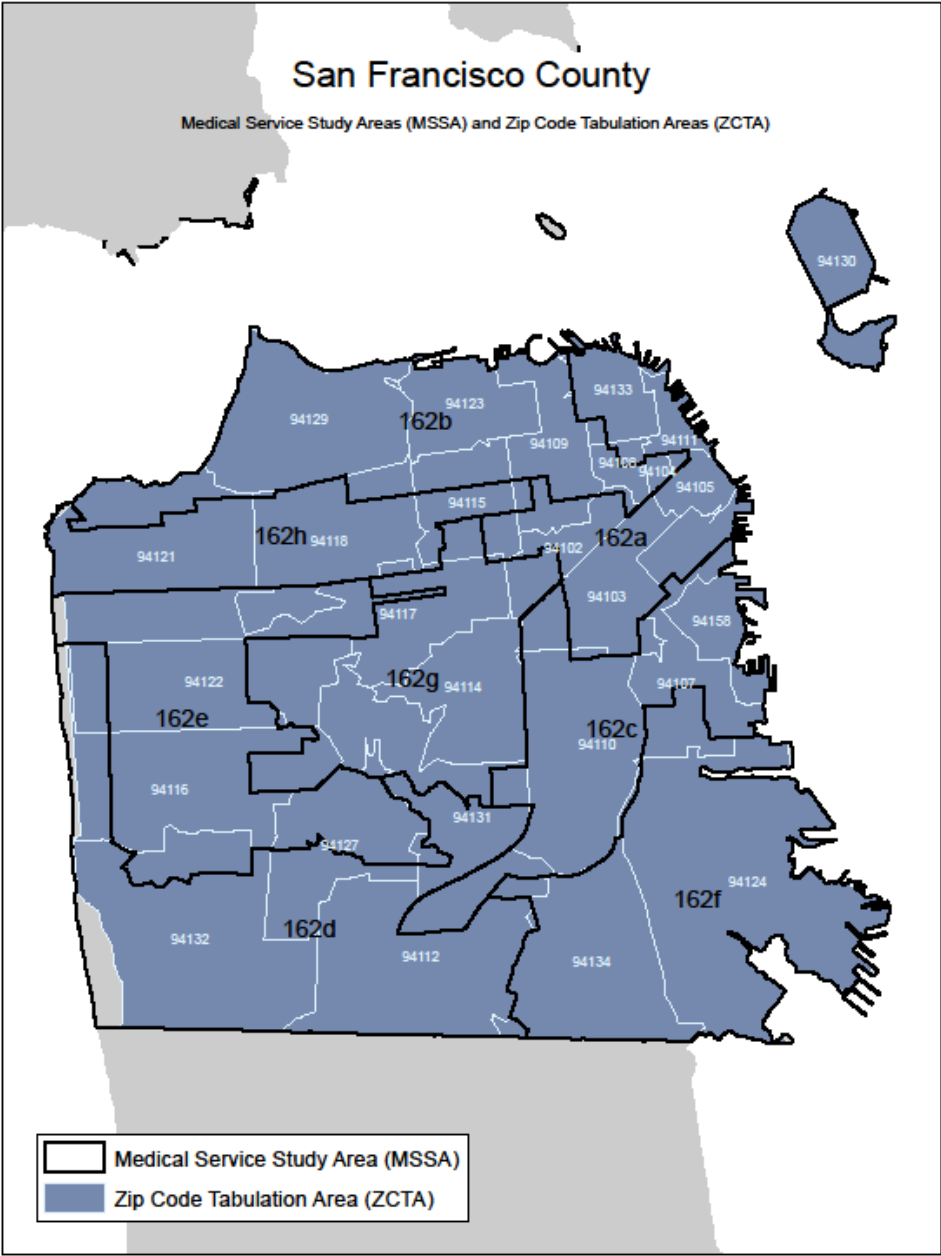
## ■ Service Area

- FQHCs/LALs: UDS reports, zip codes in which 75% of the facility's patients reside will be used to create a Zip Code Tabulation Area (ZCTA)
- RHCs, IHS clinics, FQHCs/LALs that do not have UDS data: Census tracts intersecting with a 30 or 40 minute travel polygon will create the service area

## ■ Population to Provider Ratio

- FQHCs/LALs: Count of Provider FTEs within the ZCTA serving Medicaid or Sliding Fee Scale population, e.g. 200% FPL population
- RHCs, IHS, and FQHCs/LALs that do not have UDS data: Count of providers within service area serving civilian population for RHCs; Providers serving American Indian population for IHS clinics; Providers serving Medicaid or Sliding Fee Scale for FQHCs/LALs with no UDS data

Example of a  
ZCTA Map



# PROPOSED AUTO-HPSA CHANGES FOR IMPACT ANALYSIS

- **100% Federal Poverty Level**
  - FQHCs/LALs: total patient population at or below 100% FPL
  - RHCs, IHS, FQHCs/LALs that do not have UDS data: Population at 100% FPL in the service area
- **Infant Mortality or Low Birth Weight**
  - CDC data by county for all auto-facility clinics
- **Travel Time or Distance to Nearest Provider**
  - FQHCs/LALs: Nearest provider that serves Medicaid and Sliding Fee Scale that is not in an over utilized area
  - RHCs, IHS, FQHCs/LALs that do not have UDS data: Nearest provider that serves Medicaid and Sliding Fee Scale that is not in an over utilized area; IHS clinics, nearest provider that serves American Indian population not in an over utilized area
- **Fluoridated Water, Substance Abuse Rate, Alcohol Abuse Rate**
  - These data sources will be the same as standard HPSA designations

# PROPOSED AUTO-HPSA CHANGES POST IMPACT ANALYSIS

- FQHCs/LALs scoring process will maintain the same factors used in the Impact Analysis
- RHCs, IHS, FQHCs/LALs that do not have UDS data will have a change in criteria:
  - The zip codes in which 75% of the clinics patients reside in will be used to create a Zip Code Tabulation service area
  - The facility's patient population will be used to determine the 100% FPL
- Scoring of sites
  - FQHCs/LALs: Organizational scores will be used, each site will be scored individually and the average score will assigned to the organization
  - RHCs, IHS, FQHCs/LALs that do not have UDS data: Each site will have its own independent score
  - The Auto-HPSA sites can request score updates from the PCO

# SUMMARY OF PROPOSED CHANGES

Scoring Criteria	Current Method	Proposed Method
Population to Provider Ratio	<ul style="list-style-type: none"> <li>• <u>FQHCs/LALs</u>: UDS data</li> <li>• <u>RHCs</u>: HPSA data or MSSA survey</li> <li>• <u>IHS clinics</u>: no data available. Use HPSA data or survey of service area</li> </ul>	<ul style="list-style-type: none"> <li>• <u>FQHCs/LALs</u>: Count of provider FTEs within ZCTA serving Medicaid or Sliding Fee Scale population</li> <li>• <u>RHCs</u>: Provider count in service area</li> <li>• <u>IHS</u>: Provider count in service area serving American Indian population</li> <li>• <u>FHOCs/LALs with no UDS data</u>: Provider count in service area serving Medicaid or Sliding Fee Scale population</li> </ul>
Population below 100% FPL	<ul style="list-style-type: none"> <li>• <u>FQHCs/LALs</u>: UDS data</li> <li>• <u>RHCs</u>: HPSA or MSSA data</li> <li>• <u>IHS clinics</u>: No data available. Use service area data</li> </ul>	<ul style="list-style-type: none"> <li>• <u>FQHCs/LALs</u>: Population at or below 100% FPL</li> <li>• <u>RHCs, IHS, FQHCs/LALs with no UDS data</u>: population at 100% FPL in service area</li> </ul>
Infant Mortality or Low Birth Weight	<ul style="list-style-type: none"> <li>• County-level data from CDC</li> </ul>	<ul style="list-style-type: none"> <li>• County-level data from CDC for all auto-facility clinics</li> </ul>
Travel Time or Distance to Nearest Source of Care	<ul style="list-style-type: none"> <li>• Nearest provider that accepts Medicaid/Sliding Fee Scale that treats a similar population</li> </ul>	<ul style="list-style-type: none"> <li>• <u>FQHCs/LALs with or without UDS data</u>: Nearest provider serving Medicaid or Sliding Fee Scale population that is not in an overutilized area</li> <li>• <u>RHCs</u>: Nearest provider serving Medicaid or Sliding Fee Scale population that is not in an overutilized area</li> <li>• <u>IHS</u>: Nearest provider serving American Indian population that is not in an overutilized area</li> </ul>

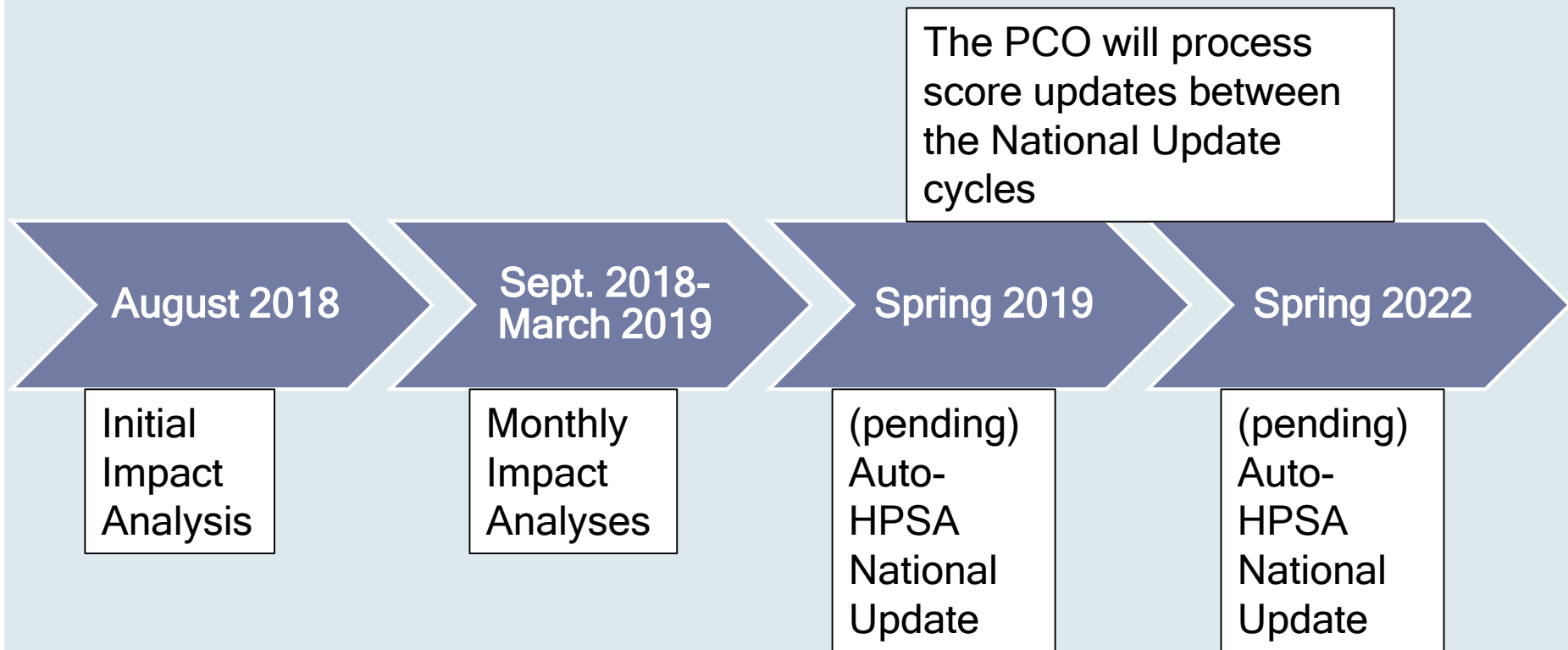
# SUMMARY OF PROPOSED CHANGES

Scoring Criteria	Current Method	Proposed Method
Service Area	None	<ul style="list-style-type: none"><li>• <u>FQHCs/LALs</u>: UDS reports. Zip codes in which 75% of the facility's patients reside will be used to create a ZCTA</li><li>• <u>RHCs, IHS clinics, FQHCs/LALs with no UDS data</u>: Census tracts intersecting with a 30 or 40-minute travel polygon will create the service area</li></ul>
Fluoridated Water Substance Abuse Rate Alcohol Abuse Rate	None	Data sources used for this criteria will be the same as those used in scoring standard HPSA designations

# PROPOSED REQUEST PROCESS

- The Auto-HPSA sites can request score updates between the three year national updates through the PCO
- It is the responsibility of the PCO and the requesting site to ensure the provider data is current
- The PCO will submit the data and update the scores in the Shortage Designation Management System (SDMS)
- The PCO will notify the requesting site of their new scores when the process is complete

# TENTATIVE TIMELINE OF AUTO-HPSA CHANGES





# HPSA SCORES

- HPSA Scores are critical for U.S. HRSA administered programs, such as:
  - National Health Service Corps (NHSC) Loan Repayment
  - NHSC Scholar Placements
  - NHSC Student to Service Program
  - Nurse Corps Loan Repayment

# HPSA SCORES

- Primary Medical Care
- Dental Care
- Mental Health

# SCORING: PRIMARY MEDICAL CARE

## Factor 1: Population to Physician Ratio

	<b><u>Population to Physician Ratio</u></b>	<b><u>Score</u></b> <b>(x 2)</b>
$\geq 10,000:1$ and the de-designation threshold is $\geq 0$	or there are no physicians and a population $\geq 2,500$	5
$< 10,000:1$ but $\geq 5,000:1$ and the de-designation threshold is $\geq 0$	or there is no physicians and a population $\geq 2,000$	4
$< 5,000:1$ but $\geq 4,000:1$ and the de-designation threshold is $\geq 0$	or there is no physicians and a population $\geq 1,500$	3
$< 4,000:1$ but $\geq 3,500:1$ and the de-designation threshold is $\geq 0$	or there is no physicians and a population $\geq 1,000$	2
$< 3,500:1$ but $\geq 3,000:1$ and the de-designation threshold is $\geq 0$	or there is no physicians and a population $\geq 500$	1

De-designation threshold = the number of physicians to de-designate a HPSA based on a 3,000:1 ratio

# SCORING: PRIMARY MEDICAL CARE

Factor 2: 100% of Poverty Level

<u>100 Percent of Poverty Rate</u>	<u>Score</u>
$\geq 50\%$	5
$< 50\%$ but $\geq 40\%$	4
$< 40\%$ but $\geq 30\%$	3
$< 30\%$ but $\geq 20\%$	2
$< 20\%$ but $\geq 15\%$	1

# SCORING: PRIMARY MEDICAL CARE

Factor 3: Infant Health Index (choose largest)

<u>Infant Mortality Rate</u>	<u>Low Birth Weight Rate</u>	<u>Score</u>
$\geq 20.0$	or $\geq 13\%$	5
$< 20$ but $\geq 18$	or $< 13$ but $\geq 11\%$	4
$< 18$ but $\geq 15$	or $< 11$ but $\geq 10\%$	3
$< 15$ but $\geq 12$	or $< 10$ but $\geq 9\%$	2
$< 12$ but $\geq 10$	or $< 9$ but $\geq 7\%$	1

# SCORING: PRIMARY MEDICAL CARE

Factor 4: Average Travel Time or Distance to Nearest Source of Non-Designated Accessible Care (choose largest)

<u>Time</u>	<u>Distance</u>	<u>Score</u>
$\geq 60$ minutes	$\geq 50$ miles	5
$< 60$ but $\geq 50$ minutes	$< 50$ but $\geq 40$ miles	4
$< 50$ but $\geq 40$ minutes	$< 40$ but $\geq 30$ miles	3
$< 40$ but $\geq 30$ minutes	$< 30$ but $\geq 20$ miles	2
$< 30$ but $\geq 20$ minutes	$< 20$ but $\geq 10$ miles	1

# SCORING: DENTAL CARE

## Factor 1: Population to Dentist Ratio

	<u>Population to Dental Ratio</u>	<u>Score</u> <u>(x2)</u>
$\geq 10,000:1$ and a de-designation threshold of $\geq 0$	or there is no dentists and a population $\geq 3,000$	5
$< 10,000:1$ but $\geq 8,000:1$ and a de-designation threshold of $\geq 0$	or there is no dentists and a population $\geq 2,500$	4
$< 8,000:1$ but $\geq 6,000:1$ and a de-designation threshold of $\geq 0$	or there is no dentists and a population $\geq 2,000$	3
$< 6,000:1$ but $\geq 5,000:1$ and a de-designation threshold of $\geq 0$	or there is no dentists and a population $\geq 1,500$	2
$< 5,000:1$ but $\geq 4,000:1$ and a de-designation threshold of $\geq 0$	or there is no dentists and a population $\geq 1,000$	1

# SCORING: DENTAL CARE

## Factor 2: 100 Percent of Poverty Rate

<u>100% of Poverty Rate</u>	<u>Score</u> (x2)
≥50%	5
<50 but ≥40%	4
<40 but ≥30%	3
<30 but ≥20%	2
<20 but ≥15%	1

## Factor 3: Fluoridated Water

Water Not Fluoridated = Score of  
1 point



# SCORING: DENTAL CARE

Factor 4: Average Travel Time or Distance to Nearest  
Source of Non-Designated Accessible Care  
(choose largest)

<u>Time</u>	<u>Distance</u>	<u>Score</u>
$\geq 90$ minutes	>60 miles	5
<90 but $\geq 75$ minutes	<60 but $\geq 50$ miles	4
<75 but $\geq 60$ minutes	<50 but $\geq 40$ miles	3
<60 but $\geq 45$ minutes	<40 but $\geq 30$ miles	2
<45 but $\geq 30$ minutes	<30 but $\geq 20$ miles	1

# SCORING: MENTAL CARE

**Geographic:** The Population-to-Provider Ratio for a Mental Health HPSA or Auto-HPSA is scored according to the values in the following tables, depending on which providers are included.

## No Psychiatrists

Ratio	Score
≥3,000:0 and <4,500:0	1
≥4,500:0 and <6,000:0	2
≥6,000:0 and <7,500:0	3
≥7,500:0 and <9,000:0	4
≥9,000:0 and <12,000:0	5
≥12,000:0 and <15,000:0	6
≥15,000:0 and <18,000:0	7

## Psychiatrists Only

Ratio	Score
≥30,000:1 and <35,000:1	1
≥35,000:1 and <40,000:1	2
≥40,000:1 and <45,000:1	3
≥45,000:1 and <50,000:1	4
≥50,000:1 and <55,000:1	5
≥55,000:1 and <60,000:1	6
≥60,000:1	7

# SCORING: MENTAL CARE

**Geographic with High Needs:** The Population-to-Provider Ratio for a Mental Health HPSA or Auto-HPSA is scored according to the values in the following tables, depending on which providers are included.

## No Psychiatrists

Ratio	Score
≥1,500:0 and <3,000:0	1
≥3,000:0 and <4,500:0	2
≥4,500:0 and <6,000:0	3
≥6,000:0 and <7,500:0	4
≥7,500:0 and <9,000:0	5
≥9,000:0 and <12,000:0	6
≥12,000:0 and <15,000:0	7

## Psychiatrists Only

Ratio	Score
≥20,000:1 and <25,000:1	1
≥25,000:1 and <30,000:1	2
≥30,000:1 and <35,000:1	3
≥35,000:1 and <40,000:1	4
≥40,000:1 and <45,000:1	5
≥45,000:1 and <50,000:1	6
≥50,000:1	7

# SCORING: MENTAL CARE

**Population:** The population used for the Mental Health Population HPSA is the population specified in the designation. The Population-to-Provider Ratio for a Mental Health population HPSA is scored according to the values in the tables below, depending on which providers are included.

## No Psychiatrists

Ratio	Score
≥1,500:0 and <3,000:0	1
≥3,000:0 and <4,500:0	2
≥4,500:0 and <6,000:0	3
≥6,000:0 and <7,500:0	4
≥7,500:0 and <9,000:0	5
≥9,000:0 and <12,000:0	6
≥12,000:0 and <15,000:0	7

## Psychiatrists Only

Ratio	Score
≥20,000:1 and <25,000:1	1
≥25,000:1 and <30,000:1	2
≥30,000:1 and <35,000:1	3
≥35,000:1 and <40,000:1	4
≥40,000:1 and <45,000:1	5
≥45,000:1 and <50,000:1	6
≥50,000:1	7

## PERCENT OF POPULATION WITH INCOMES AT OR BELOW FEDERAL POVERTY LEVEL

The HPSA scoring thresholds are consistent across all disciplines for the percent of the population at or below the Federal Poverty Level. The system will assign a point value according to the table below for this portion of the HPSA score calculation.

Score for % Population with Income at or Below 100% FPL	Points
$P \geq 50\%$	5
$50\% > P \geq 40\%$	4
$40\% > P \geq 30\%$	3
$30\% > P \geq 20\%$	2
$20\% > P \geq 15\%$	1
$P < 15\%$	0

# YOUTH AND ELDERLY RATIOS

Across all Mental Health HPSA score calculations a scoring factor for both the elderly and youth ratio in the designation area is used. The ratios are defined as follows:

$$\text{Elderly Ratio} = \frac{\# \text{ Population Age 65 and over}}{\text{Total Population Age 18} - 64}$$

$$\text{Youth Ratio} = \frac{\# \text{ Population Age 18 and under}}{\text{Total Population Age 18} - 64}$$

Elderly Ratio	Points
$R \geq 0.25:1$	3
$0.25:1 > R \geq 0.15:1$	2
$0.15:1 > R \geq 0.10:1$	1

Youth Ratio	Points
$R \geq 0.6:1$	3
$0.6:1 > R \geq 0.4:1$	2
$0.4:1 > R \geq 0.2:1$	1

# ALCOHOL AND SUBSTANCE ABUSE PREVALENCE

Across all Mental Health HPSA score calculations, a measure of substance and alcohol abuse is factored into the HPSA score. This optional data is provided by the user on the Supplemental Information Form of the application by indicating that the proposed designation's substance or alcohol abuse rate is in the worst quartile of the nation, state, or regional level. The proposed designation HPSA score is affected as follows:

Alcohol Abuse Prevalence	Points
Area's rate is in worst quartile for nation, region, or state	1

Substance Abuse Prevalence	Points
Area's rate is in worst quartile for nation, region, or state	1

# NEAREST NON DESIGNATED PROVIDER

The system will calculate the time and distance to the nearest source of care by using the shortest path analysis discussed above in the travel time and NND section. The system will look for the nearest provider regardless if the RSA's scoring is based on Core Mental Health or Psychiatrists. Mental Health NND travel time is then generated. The following table displays the scoring thresholds based on Mental Health NND Travel Time:

Score for Travel Time or Distance to NND	Points
≥ 60 minutes	5
< 60 minutes and ≥ 50 minutes	4
< 50 minutes and ≥ 40 minutes	3
< 40 minutes and ≥ 30 minutes	2
< 30 minutes and > 20 minutes	1



# REFERENCE LINKS

HPSA & MUA/MUP Training Manuals and Worksheets:

<https://oshpd.ca.gov/HWDD/CalPCO.html>

MSSA and Census Data, and HPSA maps:

<https://oshpd.ca.gov/HWDD/CalPCO.html>

PCO Website:

<https://oshpd.ca.gov/HWDD/CalPCO.html>

HRSA website for HPSA and MUA/MUP search:

<https://datawarehouse.hrsa.gov/tools/analyzers/hpsafind.aspx>

National Health Service Corps Job Center:

<https://nhscjobs.hrsa.gov/external/search/index.seam>