

POPULATION AND COMMUNITY NEED DATA

Please utilize the resources below to help describe community need for CA PREP services and identify potential program delivery sites. Information on Medical Services Study Area (MSSA) eligibility is provided on pages 2 – 9. Directions for determining the MSSA of a service delivery site are provided on page 10. Following are links to additional resources:

- [CDPH 2000-2018 California Adolescent Births](#) – includes statewide and county data about births to females ages 19 and below.
- [CDPH Adolescent Birth Rate \(ABR\) Press Release Frequently Asked Questions](#) – provides answers to commonly asked questions about adolescent birth data and sexual health programming in California.
- [CDPH 2018 2018 Adolescent Health County Profiles](#)– provides population, youth behavioral and adolescent birth data at the county level. Please email adolescent_epidata@cdph.ca.gov to request a copy for your county.

Eligibility

California Adolescent Sexual Health Needs Index (CASHNI) scores are based on a formula that includes MSSA data within a county, these data are:

- adolescent birth rate;
- percentage of adolescent births occurring less than 18 months between the last live birth and conception of the current live birth;
- combined gonorrhea and chlamydia incidence rate for adolescents;
- percentage of youth living in concentrated areas of poverty;
- percentage of youth living in racially isolated areas of African Americans, Hispanics or American Indian / Alaskan Natives;
- percentage of 18 – 24 year olds without a high school diploma or equivalent; and
- rural community status.

In 2014, the **county** CASHNI score eligibility threshold of 400 was calculated using 2012-2014 data; since then, scores have declined significantly overall. To account for the decline, CDPH/MCAH sought to re-establish the eligibility threshold based on CASHNI scores calculated using updated county-level data (2016-2018). CDPH/MCAH added up all counties' MSSA-level CASHNI scores based on the older 2012-2014 data and on the newer 2016-2018 data and compared the totals. Between the two time periods, the total summed CASHNI score declined by 39%. To make the eligibility threshold adjustment, CDPH/MCAH decreased the 2014 county threshold of 400 by 39% and rounded to the nearest multiple of 50, **resulting in an updated county threshold of 250.**

Calculations are shown below:

- 2012-2014 CASHNI score eligibility threshold = 400
- $400 \times 39\% = 156$
- $400 - 156 = 244$
- 244 rounded to the nearest multiple of 50 = 250

For more information on the CASHNI, see [Adolescent Health Data and Statistics](#).

MSSAs with a CASHNI score greater than or equal to 120 (listed in table below) are designated as high-need MSSAs for the purposes of meeting CA PREP youth targeting criteria (see Part II. Program Requirements, for more information about categories of eligible youth).

The updated 2018 CASHNI should be utilized for all new site identification.

Table 1: List of California MSSAs with a California Adolescent Sexual Health Needs Index (CASHNI) Scores greater than or equal to 120, sorted by County¹

Alameda

MSSA ID ²	MSSA Name	CASHNI
2d	Fruitvale/ Melrose/ Oakland Airport	420
2h	Ashland/ Brookfield Village/ Castro Valley South/ Elmhurst/ Hayward Northeast/ San Leandro North Central/ San Lorenzo East	136

Contra Costa

MSSA ID	MSSA Name	CASHNI
18f	Richmond Central/ San Pablo Central	336
18d	Antioch North and West/ Nichols/ Pittsburg Central and East/ West Pittsburg	236

Butte

MSSA ID	MSSA Name	CASHNI
10	Oroville/ Palermo/ Thermalito	311

Del Norte

MSSA ID	MSSA Name	CASHNI
19	Crescent City/ Gasquet/ Klamath/ Smith River	164

Fresno

MSSA ID	MSSA Name	CASHNI
30s	Bowles/ Caruthers/ Easton/ Kingsburg/ Lanare/ Laton/ Raisin City/ Riverdale/ Selma	1062
32	Orange Cove/ Parlier/ Reedley/ Squaw Valley/ Tivy Valley/ Wonder Valley	634
35d	Fresno East Central	598
35e	Fresno South and West	591
25	Firebaugh/ Mendota	548
35c	Fresno West Central	545
31	Auberry/ Calwa/ Centerville/ Clovis East/ Del Rey/ Fowler/ Friant/ Sanger/ Shaver Lake	420
29	Biola/ Herndon/ Highway City/ Kerman	242
35b	Clovis West/ Fresno East	177
27	Coalinga	152
35f	Fresno North Central	144
28	Huron	123

Imperial

MSSA ID	MSSA Name	CASHNI
49	Calexico/ Ocotillo	745
48	El Centro/ Heber/ Holtville/ Imperial/ Seeley	732
50	Brawley/ Westmorland	316

Kern

MSSA ID	MSSA Name	CASHNI
66b	Bakersfield East/ Lakeview/ La Loma	1144
61	Arvin/ Lamont/ Weed Patch	1038
58.2	Lost Hills/ Wasco	553
66a	Bakersfield Northeast/ Oildale	386
60	Delano/ McFarland	372
57.2	Blackwell/Es Corners/ Ford City/ Maricopa/ McKittrick/ Taft	338
65	Boron/ California City/ Desert Lake/ Mojave/ North Edwards/ Rosamond	314
66c	Bakersfield Southwest	303
58.1	Shafter	260

Kings

MSSA ID	MSSA Name	CASHNI
68	Corcoran/ Kettleman City/ Stratford	340
69	Armona/ Hanford/ Lemoore	239
67	Avenal	228

Lake

MSSA ID	MSSA Name	CASHNI
71.1	Clearlake/ Clearlake Oaks	268

Los Angeles

MSSA ID	MSSA Name	CASHNI
78.2fff	Firestone/ Florence South/ Watts	788
78.2ggg	South Central Northeast	626
77.1c	Lancaster Central/ Palmdale North Central	616
78.2ooo	Paramount North/ Willowbrook	568
78.2mmm	Downtown Southeast/ Florence North	491
78.2s	South Central Southwest	488

MSSA ID	MSSA Name	CASHNI
78.2h	Boyle Heights Central/ City Terrace West	455
78.2ss	Pomona East and South	454
78.2bbb	Compton East	444
78.2jjj	Long Beach West Central	400
78.2b	Pico-Union	370
78.2p	Long Beach Port/ San Pedro East/ Wilmington	364
78.2d	City Terrace East/ East Los Angeles	358
78.2uuu	Athens/ Gardena Northeast/ Harbor Gateway North	347
78.2oo	El Monte/ Five Points	343
78.2ll	Arleta/ Pacoima West/ Panorama City/ San Fernando West	333
78.2c	Bell Northeast/ Bell Gardens/ Commerce/ Maywood/ Montebello South	315
77.1a	Palmdale Central	299
78.2ddd	Bell Southwest/ Cudahy/ Vernon	287

MSSA ID	MSSA Name	CASHNI
78.2ccc	Huntington Park/ South Gate West/ Walnut Park	275
78.2nnn	Crenshaw/ Culver City East/ Mid-City South/ West Adams	257
78.2ppp	Pacoima East/ Sun Valley West	250
78.2l	Exposition Park/ Leimert Park	237
78.2ffff	Boyle Heights Northwest/ Chinatown/ Downtown Northwest/ Little Tokyo/ Westlake	231
78.2iii	North Long Beach	204
78.2i	El Sereno North/ Highland Park/ Montecito Heights/ Monterey Hills	199
78.2r	Inglewood East/ Lennox	190
78.2cc	Van Nuys Central	181
78.2sss	Downey Southwest/ Lynwood North Central/ South Gate East	181
78.2e	Country Club Park/ Koreatown/ Mid- City East	177
77.2	Lake Los Angeles	171

MSSA ID	MSSA Name	CASHNI
78.2yyy	Bassett/ Industry West/ La Puente	170
78.2k	South Central Northwest	169
78.2m	Bellflower/ Paramount South	145
78.2hhhh	Canoga Park Northeast/ Winnetka	144
78.2zzz	Baldwin Park/ Irwindale	140
77.1b	Desert View Highlands/ Lancaster West/ Palmdale Northwest/ Quartz Hill	136
78.2gg	Angeles National Forest West/ Kagel Canyon/ Lake View Terrace/ San Fernando East/ Sylmar	132
78.2zz	Northridge South/ Reseda North	132
78.2kk	North Hills/ Northridge North	131
78.2www	Valinda/ West Covina	122

Madera

MSSA ID	MSSA Name	CASHNI
80	Madera	1630

Mendocino

MSSA ID	MSSA Name	CASHNI
93.1	Ukiah	152

Merced

MSSA ID	MSSA Name	CASHNI
97.2	El Nido/ Merced Southwest	555
94	Dos Palos/ Gustine/ Los Banos	465
96	Atwater/ Snelling/ Winton	393
95	Ballico/ Cressey/ Delhi/ Hilmar/ Livingston	246
97.1	Merced Central and North/ Merced Southeast	159

Orange

MSSA ID	MSSA Name	CASHNI
116b	Santa Ana Central	533
116g	Santa Ana South	373
116l	Anaheim Central	292
116c	Anaheim West	182

MSSA ID	MSSA Name	CASHNI
116r	Garden Grove North/ Stanton	160
116i	Garden Grove South/ Santa Ana West	143

Monterey

MSSA ID	MSSA Name	CASHNI
109.2	Salinas/ Spreckels	814
107	Chualar/ Gonzalez/ Greenfield/ Soledad	800
109.1	Aromas/ Las Lomas/ Pajaro/ Prunedale	299
105	King City/ San Lucas	275

Riverside

MSSA ID	MSSA Name	CASHNI
128	Arabia/ Coachella/ Desert Beach/ Flowing Wells/ Indio South/ La Quinta East/ Mecca/ Oasis/ Thermal	463
129.4	Cathedral City Southeast/ Palm Desert North/ Palm Springs South/ Rancho Mirage North	355
132	East Hemet/ Hemet/ Valle Vista	298

MSSA ID	MSSA Name	CASHNI
133.1	Canyon Lake/ Perris/ Quail Valley/ Romoland/ Sun City/ Winchester	297
133.3	Glen Valley/ Mead Valley	290
135a	Eastside/ Fairmont Park/ Riverside Downtown/ Rubidoux/ University	241
135d	Arlington/ Corona East/ Home Gardens/ La Sierra/ Riverside Southwest	224
126	Blythe	206
135b	Edgemont/ Orange Crest/ Woodcrest	189
134	Banning/ Beaumont/ Cabizon/ Calimesa/ Cherry Valley	183
129.2	Bermuda Dunes North/ Indio North	157
135c	Casablanca/ Riverside Central	146
135g	Moreno Valley	138

Sacramento

MSSA ID	MSSA Name	CASHNI
139j	Capitol Park/ Del Paso Heights/ Downtown/ Gardenland/ North Sacramento	432
139k	Freeport/ Meadowview	338
139f	Florin/ Fruitridge/ Oak Park/ Parkway/ South Sacramento	330
139c	Antelope/ Citrus Heights/ Foothill Farms	133

San Benito

MSSA ID	MSSA Name	CASHNI
140	Hollister/ Paicines/ Panoche/ San Juan Bautista	155

San Bernardino

MSSA ID	MSSA Name	CASHNI
145.2	Adelanto/ Phelan/ Pinon Hills/ Victorville Northwest	930
151g	Muscoy/ San Bernardino Central	781

MSSA ID	MSSA Name	CASHNI
149	Barstow/ Daggett/ Lenwood/ Nebo Center/ Oro Grande/ Yermo	646
151k	Highland/ San Bernardino East	609
151f	Bloomington/ Colton Central and West/ Fontana South/ Rialto South	447
151h	Fontana Central/ Rialto Central	424
145.1a	Hesperia West/ Mountain View Acres/ Victorville Central and South	391
151c	Montclair/ Ontario Northwest/ Upland South	337
144.2	Joshua Tree/ Landers/ Morongo Valley/ Rimrock/ Yucca Valley	200
145.1b	Apple Valley/ Hesperia East	185
144.3	Cadiz/ Twentynine Palms	165
151l	Chino Northeast/ Fontana Southwest/ Ontario South	149

San Diego

MSSA ID	MSSA Name	CASHNI
161g	Encanto/ Lemon Grove Northwest/ Lincoln Acres/ National City East/ Paradise Hills Southwest	283
161j	Castle Park/ Chula Vista Southwest/ Imperial Beach West/ Nestor East/ Palm City/ San Ysidro/ South San Diego	270
156e	Escondido Central and South/ San Marcos Central and East	247
161k	Chula Vista Central and Northwest/ National City West	237
161c	Downtown/ Golden Hill/ Logan Heights	233
161d	Chollas Creek/ City Heights/ East San Diego/ North Park/ Oak Park/ South Park	211
156d	Oceanside East/ San Marcos West/ Vista	134

San Joaquin

MSSA ID	MSSA Name	CASHNI
169b	French Camp/ Stockton South/ Stockton Southeast	689
169a	Stockton North Central/ Stockton Northeast	259
167	Lockeford/ North Woodbridge	127

San Luis Obispo

MSSA ID	MSSA Name	CASHNI
173	El Paso de Robles/ Lake Nacimiento/ San Miguel/ Shandon	147
171	Arroyo Grande/ Nipomo/ Oceano/ Pismo Beach	123

San Mateo

MSSA ID	MSSA Name	CASHNI
176b	East Menlo Park/ East Palo Alto/ North Fair Oaks/ Redwood City East	155

Santa Barbara

MSSA ID	MSSA Name	CASHNI
180.1	Orcutt/ Santa Maria	895
179	Lompoc/ Mission Hills/ Vandenberg	321

Santa Clara

MSSA ID	MSSA Name	CASHNI
182	Gilroy/ Morgan Hill/ Rucker/ San Martin	225
183e	Alum Rock South/ San Jose East	190
183h	San Jose Southeast	147

Santa Cruz

MSSA ID	MSSA Name	CASHNI
184	Freedom/ Watsonville	201

Shasta

MSSA ID	MSSA Name	CASHNI
186	Anderson/ Cottonwood/ French Gulch/ Happy Valley/ Igo/ Ono/ Platina/ Shasta	129

Solano

MSSA ID	MSSA Name	CASHNI
204	Vallejo	160
202b	Fairfield	138

Stanislaus

MSSA ID	MSSA Name	CASHNI
215c	Ceres/ Modesto South Central	479

MSSA ID	MSSA Name	CASHNI
214	Hughson	239
211	Oakdale/ Riverbank	156
213	Crows Landing/ Empire/ Grayson/ Newman/ Patterson/ Westley	151

Sutter

MSSA ID	MSSA Name	CASHNI
216	Meridian/ Robbins/ Yuba City	321

Tehama

MSSA ID	MSSA Name	CASHNI
222	Corning/ Los Molinos/ Tehama/ Vina	200
221	Gerber/ Los Flores/ Proberta/ Red Bluff	183

Tulare

MSSA ID	MSSA Name	CASHNI
231	Alpaugh/ Earlimart/ Pixley/ Porterville/ Rich Grove/ Terra Bella	1943

MSSA ID	MSSA Name	CASHNI
230	Tipton/ Tulare/ Woodville	840
228.2	Exeter/ Lemon Cove/ Lindsay/ Strathmore	492
233	Farmersville/ Goshen/ Visalia	335
228.1	Ivanhoe/ Woodlake	248
227.1	Dinuba	129

Ventura

MSSA ID	MSSA Name	CASHNI
241b	Oxnard North Central	541
237	Fillmore/ Los Padres National Forest/ Piru/ Santa Paula/ Saticoy	228
241a	Oxnard East/ Oxnard West/ Oxnard South Central/ Port Hueneme	171

Yuba

MSSA ID	MSSA Name	CASHNI
249	Marysville	371

¹2018 CASHNI score based on 2016-2018 aggregate adolescent birth rate, 2016-2018 aggregate percentage of births occurring less than 18 months between the last live birth and conception of the current live birth, 2014-2016 aggregate gonorrhea and chlamydia incidence rate, 2014-2018 aggregated percentage of youth living in concentrated areas of poverty, 2014-2018 aggregated percentage of youth living in racially isolated areas of African Americans,

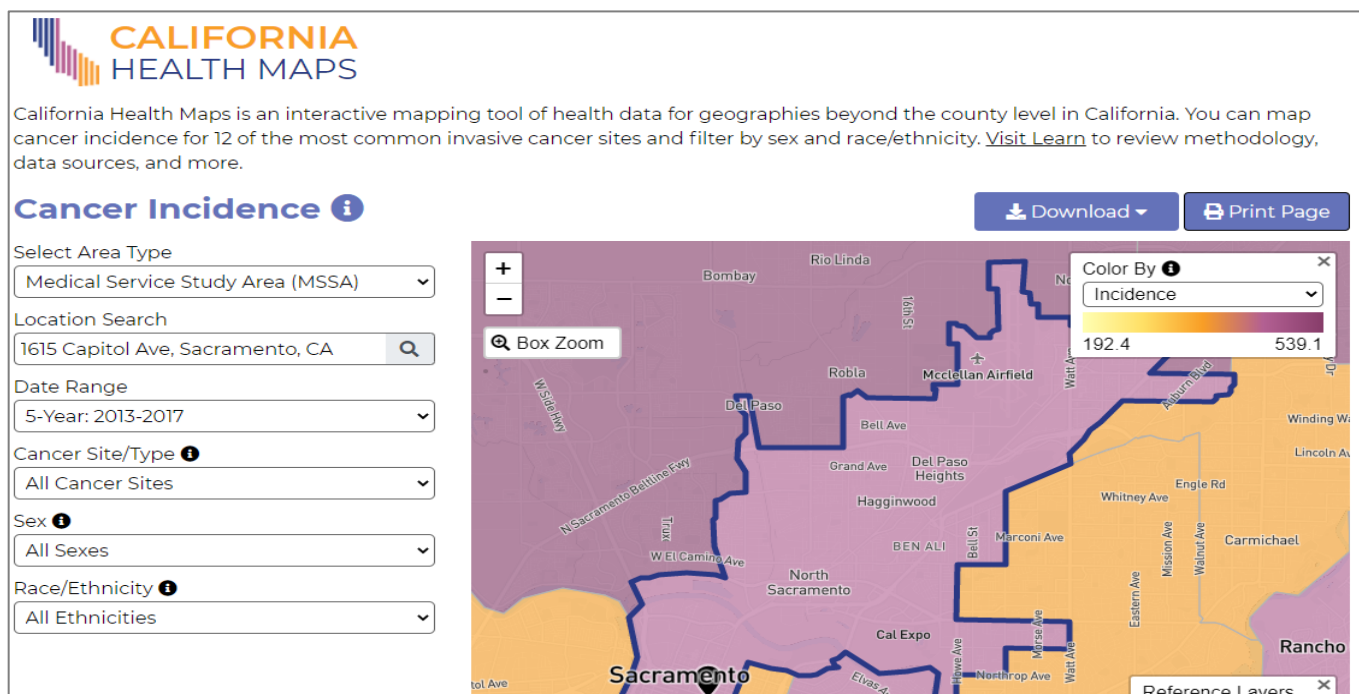
Hispanics or American Indian / Alaskan Natives, 2014-2018 aggregated percentage of 18-24 year olds without a high school degree or equivalent, 2016-2018 average annual sum of live births to females under age 19 and rural community status. Twenty-four counties (Alpine, Amador, Calaveras, Colusa, El Dorado, Glenn, Humboldt, Inyo, Lassen, Marin, Mariposa, Modoc, Mono, Napa, Nevada, Placer, Plumas, San Francisco, Sierra, Siskiyou, Sonoma, Trinity, Tuolumne and Yolo) are with MSSAs scoring less than 120 for each of any given MSSA. There are participating agencies currently in Humboldt and Sonoma; however, these counties' 2018 CASHNI score did not reach the updated threshold of 250. **Prepared by CDPH/MCAH/Epidemiology, Surveillance and Federal Reporting, September 2021**

² MSSA ID number is designated by California's Office of Statewide Health Planning and Development.

To determine the MSSA of a service delivery location:

1. Visit the [UCSF California Health Maps Website](https://www.californiahealthmaps.org/), address locator at <https://www.californiahealthmaps.org/>. Please note that the page says it is for cancer incidence, but anyone can use it to determine the MSSA of a given address.
2. In “Select Area Type” dropdown menu, select “Medical Service Study Area (MSSA)”
3. Enter the address of the service delivery location into the “Location Search” search bar (you may need to press enter or the magnifying glass button to begin the search).
4. Once the map updates for the address you entered, scroll down to view the tables and graphs below the map.
5. Underneath the interactive map, highlighted in purple on the left of the page, you will find the MSSA name and in parentheses, the MSSA number.

Example: Enter the address of a potential site to find its MSSA number. In this example, 1615 Capitol Ave, Sacramento CA was entered.



Scroll down to see the MSSA name and number in Purple. In this example, the MSSA for 1615 Capitol Ave is 139j.

