

# *Gastroschisis in California*

# Letters

## RESEARCH LETTER

### PACIFIC COAST SURGICAL ASSOCIATION

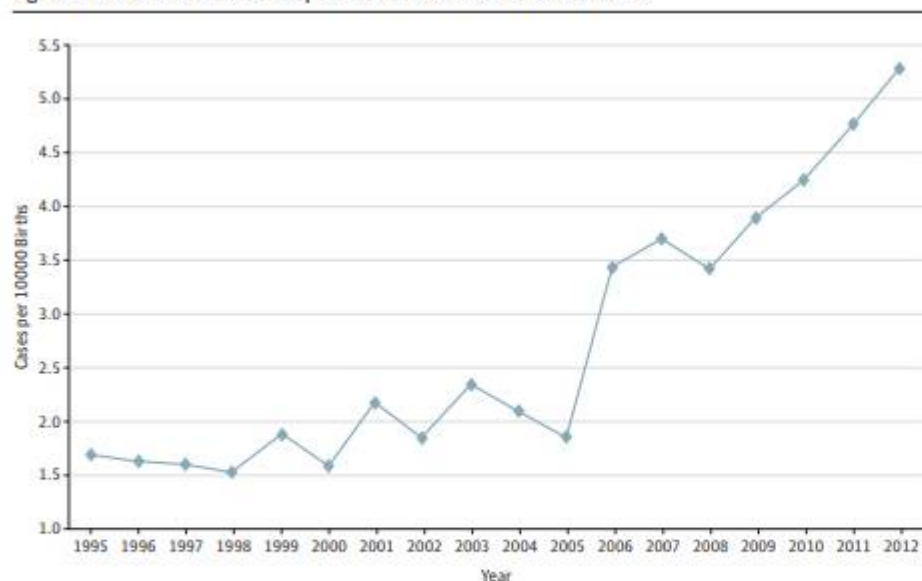
#### Incidence of Gastroschisis in California

The incidence of gastroschisis is increasing worldwide, but the causes and risk factors of this increase are not well elucidated.<sup>1</sup> This study examines the incidence of gastroschisis in California over time and by county.

Primary analysis was logistic regression. Statistical analysis was performed using Stata/SE, version 14.2 (StataCorp).

**Results** | The rate of gastroschisis increased from 1.7 cases per 10 000 births in 1995 to 5.3 cases per 10 000 births in 2012 (overall, 2.7 cases/10 000 births) (Figure 1). Overall incidence was highest in Modoc, followed by Mariposa, Siskiyou, Lake, Shasta, Mendocino, Nevada, Amador,

Figure 1. Incidence of Gastroschisis per 10 000 Births Over Time in California



The incidence increased between 1995 and 2012.

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#### Incidence of Gastroschisis in California.

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#### Author information

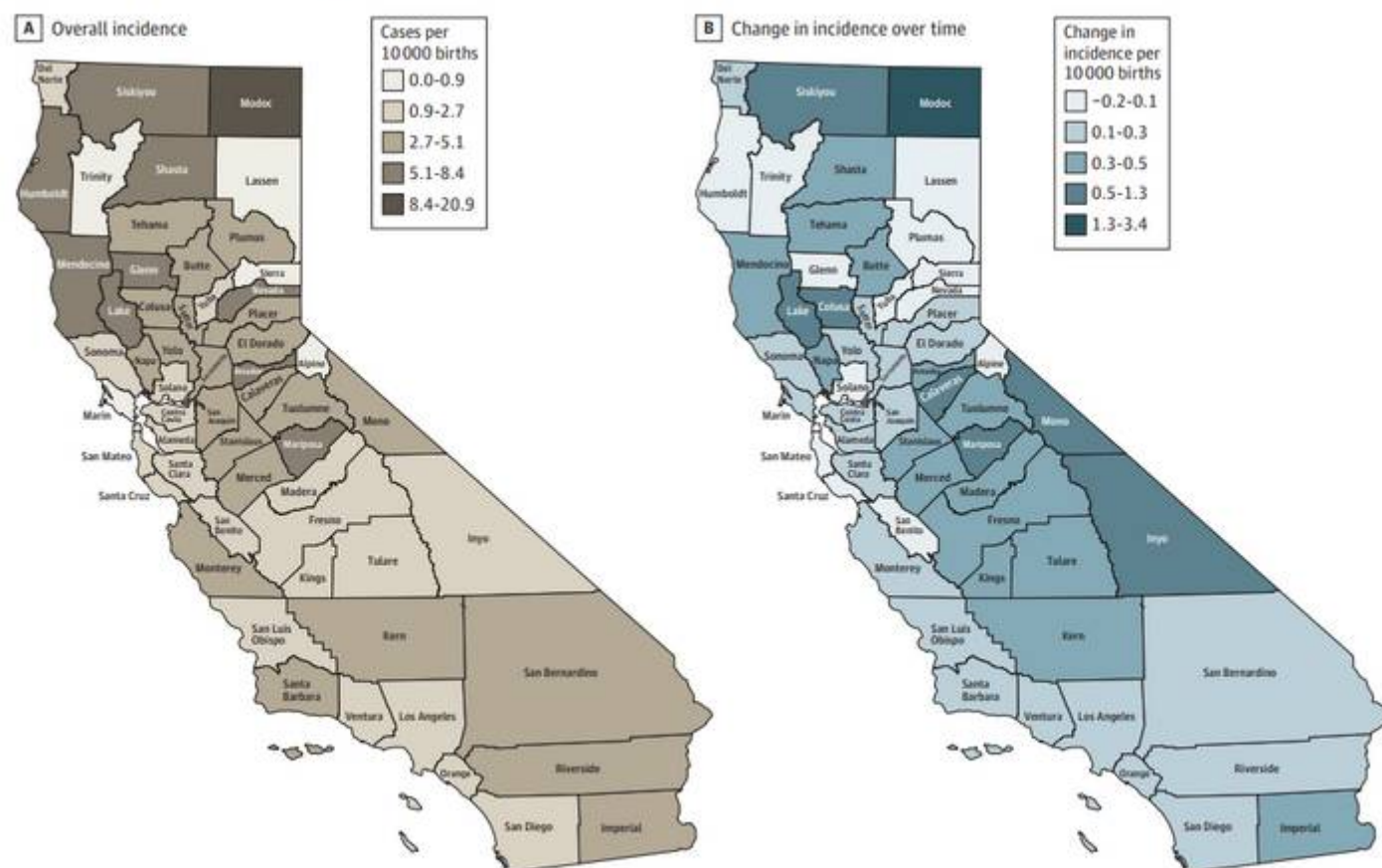
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<https://jamanetwork.com/journals/jamasurgery/fullarticle/2689028>

<https://www.ncbi.nlm.nih.gov/pubmed?term=%22JAMA+surgery%22%5BJour%5D+AND+2018%5Bpd+AND+incidence+of+gastroschisis+in+california&TransSchema=title&cmd=detailssearch>

Figure 2. Incidence of Gastroschisis in California by County



Overall incidence (A) and change in incidence over time (B) from 1995 to 2012.

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# Doubling Daily Use

daily marijuana use in the past year and past month among marijuana users\* aged ≥12, by age group — National Survey on Drug Use and Health, 2002–2014

2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)
<b>in the past year<sup>†</sup></b>								
12.8 (10.1-16.0)	14.4 (11.6-17.7)	13.1 (10.6-16.1)	13.4 (10.6-16.7)	14.3 (11.0-18.5)	13.4 (10.7-16.8)	15.2 (12.4-18.5)	17.9 (14.6-21.7)	17.1 (13.8-20.4)
7.5 (5.1-10.8)	8.6 (5.8-12.7)	6.7 (4.2-10.7)	6.6 (4.0-10.6)	6.0 (3.7-9.5)	5.8 (3.6-9.2)	8.2 (5.8-11.6)	9.4 (6.8-12.8)	9.5 (6.9-12.1)
14.3 (11.7-17.3)	16.4 (13.1-20.2)	15.5 (12.4-19.3)	14.4 (11.6-17.8)	13.9 (11.0-17.4)	14.6 (11.8-17.9)	16.3 (13.4-19.8)	18.5 (15.2-22.4)	18.8 (15.5-22.1)
13.3 (9.0-19.2)	14.6 (10.1-20.6)	13.0 (9.2-18.2)	14.2 (10.0-19.9)	16.5 (11.0-24.0)	14.4 (9.9-20.4)	16.0 (11.2-22.4)	19.3 (14.0-26.0)	17.7 (12.4-23.0)
<b>in the past month<sup>‡</sup></b>								
30.4 (25.7-35.5)	32.1 (27.2-37.4)	32.8 (27.9-38.0)	34.9 (29.7-40.4)	34.7 (28.4-41.6)	33.7 (28.3-39.7)	39.7 (33.9-45.7)	41.7 (36.0-47.6)	38.5 (32.8-44.2)
25.9 (20.2-32.7)	27.7 (21.3-35.1)	20.5 (14.2-28.7)	21.5 (15.5-28.9)	20.6 (15.2-27.2)	24.6 (18.8-31.4)	24.4 (19.0-30.9)	22.4 (16.9-29.1)	22.4 (16.9-29.1)
34.2 (29.1-39.6)	33.3 (27.8-39.3)	33.7 (28.1-39.7)	34.6 (29.5-40.2)	36.4 (30.8-42.4)	37.6 (31.9-43.7)	39.7 (34.4-45.1)	43.2 (38.0-48.5)	40.0 (34.7-45.3)
29.3 (21.6-38.3)	32.4 (24.5-41.4)	34.4 (27.0-42.7)	37.8 (29.5-46.9)	36.5 (26.1-48.3)	33.1 (24.2-43.3)	42.8 (32.8-53.4)	44.8 (35.3-54.6)	36.6 (26.1-48.3)

Source: Substance Abuse and Mental Health Services Administration, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2002–2014.

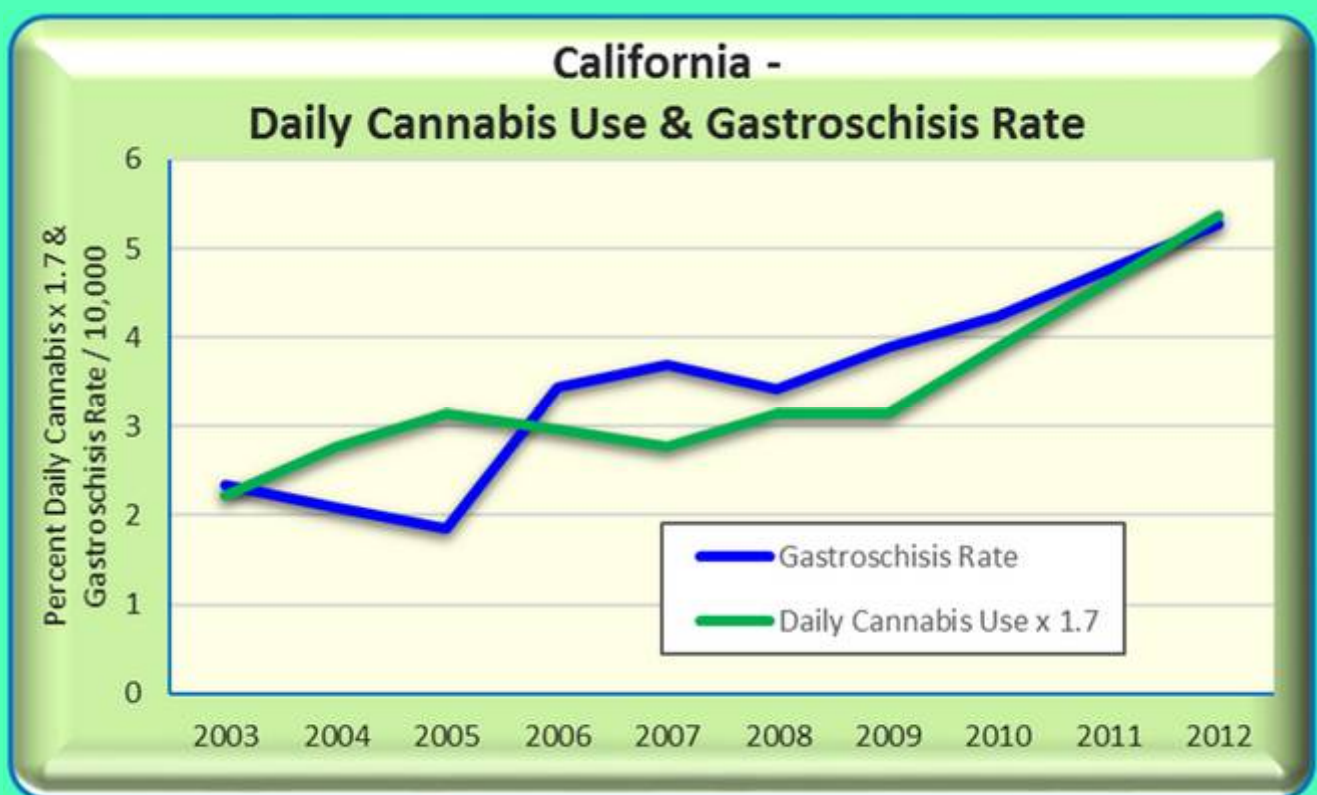
\* Estimate of daily or almost daily use in the past year is among past year marijuana users; estimates of daily or almost daily use in the past month is among past month marijuana users.  
<sup>†</sup> Defined as having used marijuana on 300 or more days in the past year.  
<sup>‡</sup> Defined as having used marijuana on 20 or more days in the past month.

California 6

<https://www.samhsa.gov/data/sites/default/files/california-2002-2014.pdf>



# *California - Correlation between Daily Cannabis Use and Gastroschisis Rate*



$R = 0.814523$   
 $P = 0.004112$   
95% C.I. = 0.37-0.95

# *Association between Cannabis Use and Gastroschisis*

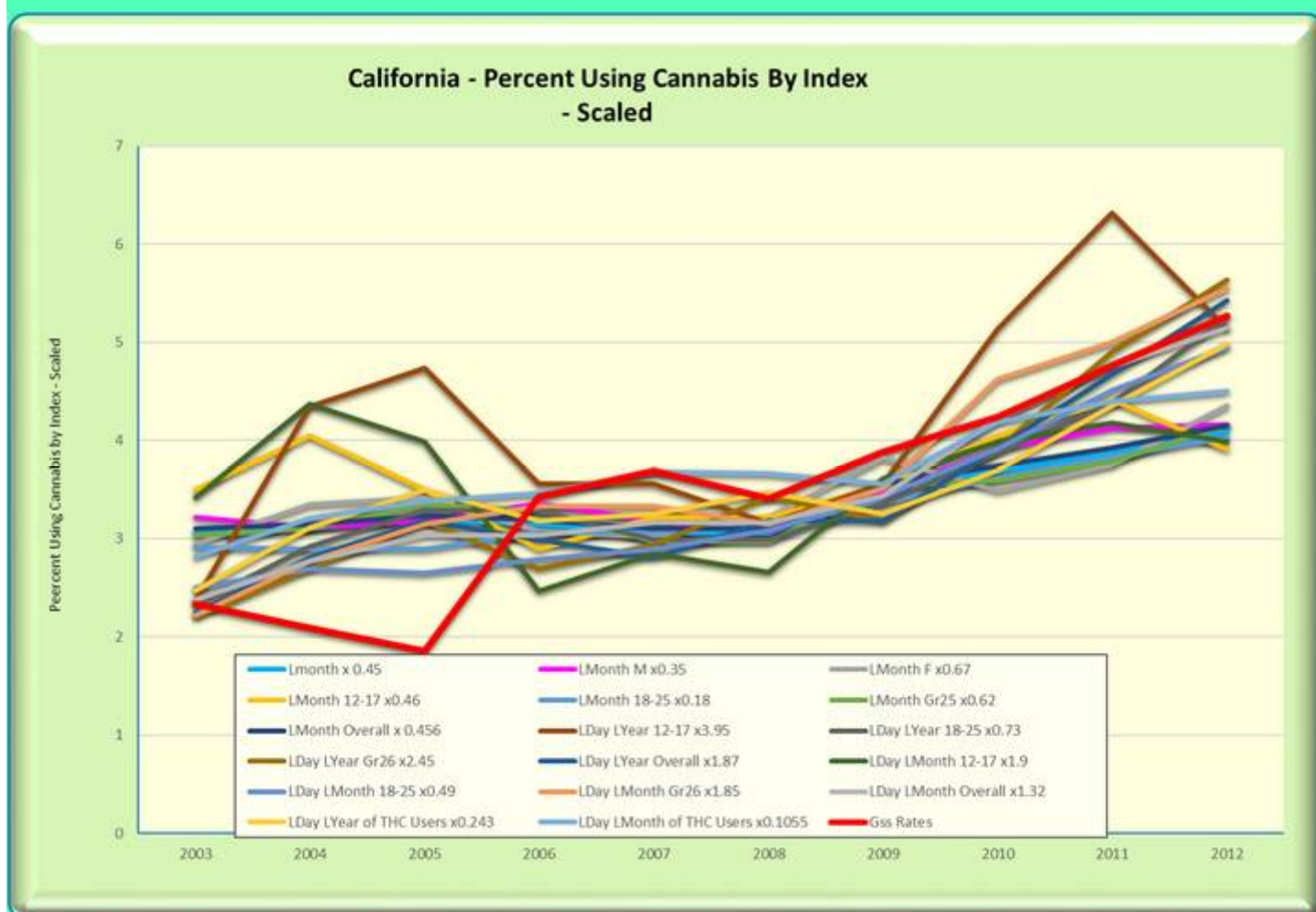
```
> names(CGT)
[1] "Year"      "THC.Use"   "Gss.Rate"
> dim(CGT)
[1] 10  3
> CGT
  Year THC.Use Gss.Rate
1  2003    1.2 2.339063
2  2004    1.5 2.092089
3  2005    1.7 1.851959
4  2006    1.6 3.426922
5  2007    1.5 3.686779
6  2008    1.7 3.412390
7  2009    1.7 3.884607
8  2010    2.1 4.240373
9  2011    2.5 4.760498
10 2012    2.9 5.273798
>
> cor.test(CGT$THC.Use, CGT$Gss.Rate, method="p", alternative = "t", exact=TRUE)

      Pearson's product-moment correlation

data:  CGT$THC.Use and CGT$Gss.Rate
t = 3.9712, df = 8, p-value = 0.004112
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 0.3795439 0.9545916
sample estimates:
      cor
0.814523
```

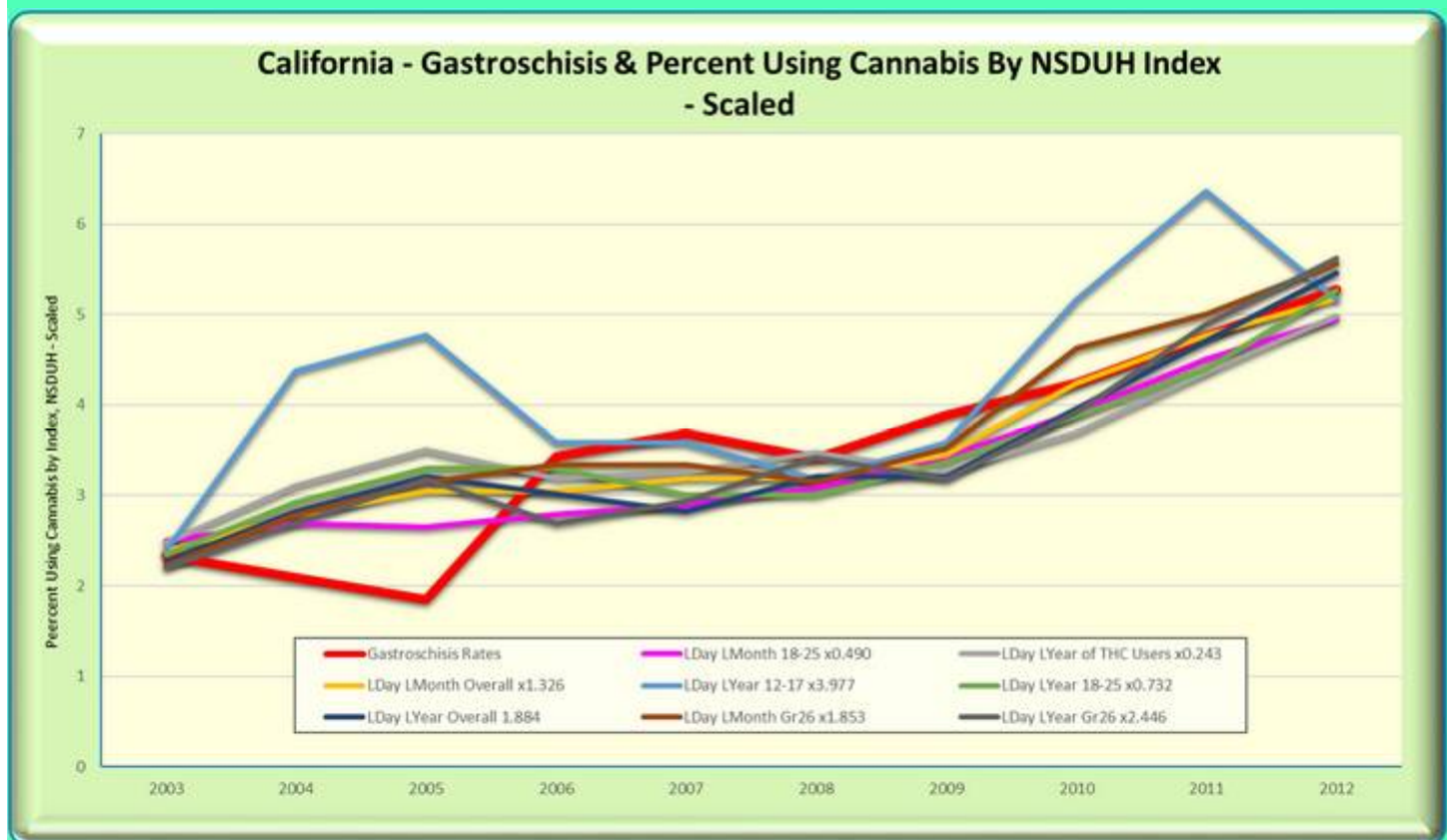
**$R = 0.814523$**   
 **$P = 0.004112$**   
**95% C.I. = 0.37-0.95**

# California Cannabis Use All NSDUH Indices - Scaled



<https://www.samhsa.gov/data/sites/default/files/california-2002-2014.pdf>

# *California Cannabis Use- Best Correlating NSDUH Indices - Scaled*



<https://www.samhsa.gov/data/sites/default/files/california-2002-2014.pdf>



# THC Use Tables

	LDay LMonth 18-25	LDay LYear of THC Users	LDay LMonth Overall	LDay LYear 12-17	LDay LYear 18-25	LDay LYear O
04	5.1	10.2	1.8	0.6	3.2	
09	5.5	12.8	2.1	1.1	4	
05	5.4	14.4	2.3	1.2	4.5	
13	5.7	13.1	2.3	0.9	4.5	
09	5.9	13.4	2.4	0.9	4.1	
11	6.3	14.3	2.4	0.8	4.1	
08	7	13.4	2.6	0.9	4.6	
04	8	15.2	3.2	1.3	5.3	
06	9.2	17.9	3.6	1.6	6	
07	10.1	20.5	3.9	1.3	7.2	
%	98.04%	100.98%	116.67%	116.67%	125.00%	14

	LMonth 18-25	LMonth Gr25	LMonth Overall	LDay LYear 12-17	LDay LYear 18-	LDay LYear Gr	LDay LYear Over	LDay LMonth 12-1	LDay LMonth 18-2	LDay LMonth
7.6	16.2	4.9	6.8	0.6	3.2	0.9	1.2	1.8	5.1	
8.8	16.1	5	6.9	1.1	4	1.1	1.5	2.3	5.5	
7.6	16.1	5.4	7.1	1.2	4.5	1.3	1.7	2.1	5.4	
6.3	17	5.3	7	0.9	4.5	1.1	1.6	1.3	5.7	
7	17	4.8	6.8	0.9	4.1	1.2	1.5	1.5	5.9	
7	17.4	4.8	6.8	0.8	4.1	1.4	1.7	1.4	6.3	
7.7	18.7	5.7	7.8	0.9	4.6	1.3	1.7	1.9	7	
8.8	20.1	5.8	8.2	1.3	5.3	1.6	2.1	2.1	8	
9.6	21.3	6.1	8.6	1.6	6	2	2.5	2.2	9.2	
8.5	22.4	6.7	9.1	1.3	7.2	2.3	2.9	2.1	10.1	
4%	38.27%	36.73%	33.82%	116.67%	125.00%	155.56%	141.67%	16.67%	98.04%	150

# Tables from NSDUH

na use\* among all persons aged ≥ 12, by selected demographic characteristics — National Survey on Drug Use and Health, California, 2002–2014

2003–2004	2004–2005	2005–2006	2006–2007	2007–2008	2008–2009	2009–2010	2010–2011	2011–2012
% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)
6.9 (6.1–7.9)	7.1 (6.2–8.0)	7.0 (6.3–7.9)	6.8 (6.0–7.6)	6.8 (6.0–7.7)	7.8 (6.9–8.7)	8.2 (7.3–9.1)	8.6 (7.7–9.6)	9.1 (8.2–10.0)
8.8 (7.7–10.2)	7.6 (6.5–8.9)	6.3 (5.3–7.5)	7.0 (5.8–8.4)	7.0 (5.9–8.4)	7.7 (6.5–9.1)	8.8 (7.5–10.3)	9.6 (8.3–11.1)	8.5 (7.4–9.6)
16.1 (14.2–18.1)	16.1 (14.3–18.1)	17.0 (15.3–18.9)	17.0 (15.2–19.0)	17.4 (15.5–19.5)	18.7 (16.7–20.8)	20.1 (18.3–22.0)	21.3 (19.5–23.2)	22.1 (20.2–24.0)
5.0 (4.0–6.2)	5.4 (4.4–6.5)	5.3 (4.4–6.4)	4.8 (4.0–5.8)	4.8 (3.8–5.9)	5.7 (4.7–6.9)	5.8 (4.8–7.0)	6.1 (5.1–7.4)	6.7 (5.7–7.8)
9.1 (7.0–11.8)	9.3 (7.0–12.3)	9.5 (6.9–13.0)	7.9 (6.1–10.3)	7.8 (5.9–10.3)	10.7 (8.6–13.3)	11.1 (8.7–14.0)	10.8 (8.3–13.9)	11.1 (9.5–12.7)
4.3 (3.1–6.0)	4.5 (3.2–6.3)	6.3 (4.6–8.4)	6.3 (4.7–8.3)	4.1 (2.8–5.9)	3.9 (2.7–5.7)	5.1 (3.5–7.5)	5.6 (4.0–7.9)	6.2 (4.5–8.0)
6.9 (4.4–10.6)	8.0 (5.5–11.5)	5.7 (3.9–8.2)	5.7 (3.8–8.4)	6.0 (3.8–9.2)	5.5 (3.5–8.6)	6.1 (4.0–9.2)	6.2 (4.1–9.4)	5.2 (3.3–7.2)
2.5 (1.0–5.9)	3.2 (1.6–6.5)	3.5 (2.2–5.7)	2.6 (1.3–5.2)	5.0 (2.4–10.1)	7.4 (4.2–12.6)	4.6 (2.6–8.0)	6.3 (3.8–10.2)	9.4 (6.2–12.7)
0.3 (0.0–2.2)	0.3 (0.0–2.2)	— (*)	— (*)	— (*)	0.9 (0.2–4.2)	1.5 (0.4–4.8)	1.3 (0.4–4.0)	1.3 (0.5–3.2)
8.9 (7.7–10.3)	9.1 (7.8–10.5)	9.6 (8.4–11.0)	9.1 (7.9–10.5)	8.8 (7.5–10.4)	9.9 (8.5–11.5)	11.2 (9.7–12.9)	11.8 (10.3–13.4)	11.1 (10.5–11.7)
5.0 (4.1–6.0)	5.1 (4.3–6.2)	4.6 (3.8–5.5)	4.5 (3.8–5.3)	4.8 (4.0–5.9)	5.7 (4.8–6.9)	5.2 (4.4–6.0)	5.6 (4.8–6.5)	6.5 (5.6–7.4)

use\* among all persons aged ≥ 12, by age group — National Survey on Drug Use and Health, California, 2002–2014

2003–2004	2004–2005	2005–2006	2006–2007	2007–2008	2008–2009	2009–2010	2010–2011	2011–2012
% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)
11.4 (10.2–12.6)	11.8 (10.8–12.9)	11.8 (10.8–12.9)	11.6 (10.5–12.7)	11.8 (10.6–13.0)	13.0 (11.9–14.2)	13.8 (12.6–15.1)	14.1 (12.9–15.4)	14.1 (13.0–15.3)
11.5 (10.5–12.5)	13.8 (12.4–15.4)	12.9 (11.5–14.5)	12.9 (11.5–14.5)	13.1 (11.7–14.8)	14.9 (13.3–16.8)	15.8 (14.0–17.9)	17.0 (15.1–19.1)	16.0 (14.4–17.6)
27.7 (25.5–30.4)	27.7 (25.5–30.0)	28.7 (26.4–31.1)	28.2 (26.0–30.5)	29.4 (27.1–31.8)	31.7 (29.3–34.2)	32.4 (30.0–34.9)	32.5 (30.3–34.8)	33.6 (31.0–36.2)
8.0 (7.0–9.4)	8.6 (7.5–10.0)	8.6 (7.4–9.9)	8.2 (7.1–9.6)	8.2 (6.9–9.7)	9.1 (7.9–10.6)	10.0 (8.6–11.5)	10.3 (8.9–11.9)	10.2 (9.0–11.4)

Source: Substance Abuse and Mental Health Services Administration, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2002–2014.

\* Use who reported use of marijuana within 12 months preceding the date of interview; — these also include those who reported use of marijuana within 30 days preceding the date of interview.



# Tables from NSDUH

marijuana use in the past year and past month among all persons aged ≥12, by age group — National Survey on Drug Use and Health, California,

2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)

<b>past year<sup>1</sup></b>								
15-24	1.7 (1.3-2.2)	1.6 (1.3-1.9)	1.5 (1.2-2.0)	1.7 (1.3-2.2)	1.7 (1.4-2.2)	2.1 (1.7-2.6)	2.5 (2.0-3.2)	2.9 (2.4-3.5)
25-34	1.2 (0.8-1.8)	0.9 (0.5-1.4)	0.9 (0.5-1.4)	0.8 (0.5-1.3)	0.9 (0.5-1.4)	1.3 (0.9-1.9)	1.6 (1.1-2.2)	1.3 (0.9-1.8)
35-44	4.5 (3.6-5.8)	4.5 (3.5-5.6)	4.1 (3.2-5.1)	4.1 (3.2-5.1)	4.6 (3.7-5.8)	5.3 (4.3-6.5)	6.0 (4.9-7.4)	7.2 (6.0-8.6)
45-54	1.3 (0.8-1.9)	1.1 (0.8-1.6)	1.2 (0.8-1.7)	1.4 (0.9-2.1)	1.3 (0.9-2.0)	1.6 (1.1-2.4)	2.0 (1.4-2.9)	2.3 (1.7-3.1)

<b>past month<sup>2</sup></b>								
15-24	2.3 (1.8-2.8)	2.3 (1.9-2.8)	2.4 (1.9-2.9)	2.4 (1.9-3.0)	2.6 (2.1-3.3)	3.2 (2.6-4.0)	3.6 (2.9-4.4)	3.9 (3.3-4.6)
25-34	2.1 (1.6-2.8)	1.3 (0.9-1.9)	1.5 (1.0-2.2)	1.4 (1.0-2.1)	1.9 (1.4-2.6)	2.1 (1.6-2.8)	2.2 (1.6-2.8)	2.1 (1.6-2.7)
35-44	5.4 (4.3-6.6)	5.7 (4.7-7.0)	5.9 (4.9-7.1)	6.3 (5.2-7.6)	7.0 (5.8-8.4)	8.0 (6.7-9.4)	9.2 (7.8-10.8)	10.1 (8.7-11.6)
45-54	1.7 (1.2-2.4)	1.8 (1.4-2.4)	1.8 (1.4-2.5)	1.7 (1.2-2.5)	1.9 (1.3-2.7)	2.5 (1.8-3.5)	2.7 (2.0-3.8)	3.0 (2.3-3.8)

Source: Substance Abuse and Mental Health Services Administration, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2002–2014.

<sup>1</sup> Past year refers to the 12 months ending in the survey year.

<sup>2</sup> Past month refers to the 30 days ending in the survey year.

marijuana use in the past year and past month among marijuana users<sup>1</sup> aged ≥12, by age group — National Survey on Drug Use and Health, California,

2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)

<b>past year<sup>1</sup></b>								
15-24	14.4 (11.6-17.7)	13.1 (10.6-16.1)	13.4 (10.6-16.7)	14.3 (11.0-18.5)	13.4 (10.7-16.8)	15.2 (12.4-18.5)	17.9 (14.6-21.7)	20.0 (17.3-22.8)
25-34	8.6 (5.8-12.7)	6.7 (4.2-10.7)	6.6 (4.0-10.6)	6.0 (3.7-9.5)	5.8 (3.6-9.2)	8.2 (5.8-11.6)	9.4 (6.8-12.8)	8.0 (5.7-10.8)
35-44	16.4 (13.1-20.2)	15.5 (12.4-19.3)	14.4 (11.6-17.8)	13.9 (11.0-17.4)	14.6 (11.8-17.9)	16.3 (13.4-19.8)	18.5 (15.2-22.4)	21.0 (18.1-23.9)
45-54	14.6 (10.1-20.6)	13.0 (9.2-18.2)	14.2 (10.0-19.9)	16.5 (11.0-24.0)	14.4 (9.9-20.4)	16.0 (11.2-22.4)	19.3 (14.0-26.0)	22.0 (17.4-26.6)

<b>past month<sup>2</sup></b>								
15-24	32.1 (27.2-37.4)	32.8 (27.9-38.0)	34.9 (29.7-40.4)	34.7 (28.4-41.6)	33.7 (28.3-39.7)	39.7 (33.9-45.7)	41.7 (36.0-47.6)	42.0 (38.0-46.0)
25-34	27.7 (21.3-35.1)	20.5 (14.2-28.7)	21.5 (15.5-28.9)	20.6 (15.2-27.2)	24.6 (18.8-31.4)	24.4 (19.0-30.9)	22.4 (16.9-29.1)	24.0 (18.7-29.3)
35-44	33.3 (27.8-39.3)	33.7 (28.1-39.7)	34.6 (29.5-40.2)	36.4 (30.8-42.4)	37.6 (31.9-43.7)	39.7 (34.4-45.1)	43.2 (38.0-48.5)	45.0 (40.0-50.0)
45-54	32.4 (24.5-41.4)	34.4 (27.0-42.7)	37.8 (29.5-46.9)	36.5 (26.1-48.3)	33.1 (24.2-43.3)	42.8 (32.8-53.4)	44.8 (35.3-54.6)	44.0 (36.6-51.4)

Source: Substance Abuse and Mental Health Services Administration, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2002–2014.

<sup>1</sup> Past year refers to the 12 months ending in the survey year.

<sup>2</sup> Past month refers to the 30 days ending in the survey year.

<https://www.samhsa.gov/data/sites/default/files/california-2002-2014.pdf>

<http://www.stoppot.org/>

# STOP POT



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## CALIFORNIA



If you have a concern about keeping a marijuana dispensary or grow out of your neighborhood, please contact Citizens Against the Legalization of Marijuana, also called [CALM](#). The organization is very experienced and has an info packet they can send you. CALM originated several years ago in California, but now is ready to help any state in the country. If we support each other while trying to protect the children, we will keep marijuana out of our neighborhoods.

In 2015, a [judge in California upheld the Schedule I](#) designation of marijuana. In 2016, the DEA review the Schedule I designation and decided marijuana belonged in that category which means it has a "high potential for abuse."

Here's some stories from California, for example: [Yuba County](#) and [Nevada County](#), as well as feature articles about:

[Humboldt, Mendocino Counties](#) and [The Emerald Triangle, Calaveras County](#)

Contact StopPot.org: [media@stoppot.org](mailto:media@stoppot.org)

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### CHILD DEATH TOLL FROM LEGALIZATION OF CANNABIS REACHES 105



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*Cannabis in  
California  
Over Time*

*NSDUH – SAMHSA  
Maps*

# Last Month Cannabis Use in California, by Triennium 2008-2016

2014-2016

2012-2014

Figure 5.2 Marijuana Use in the Past Month among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs

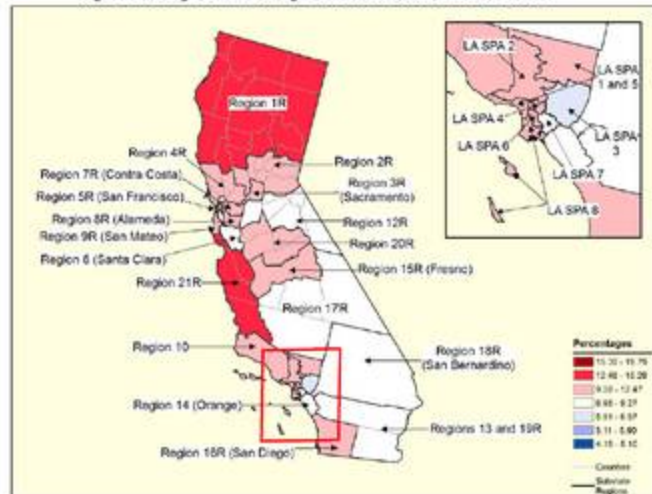
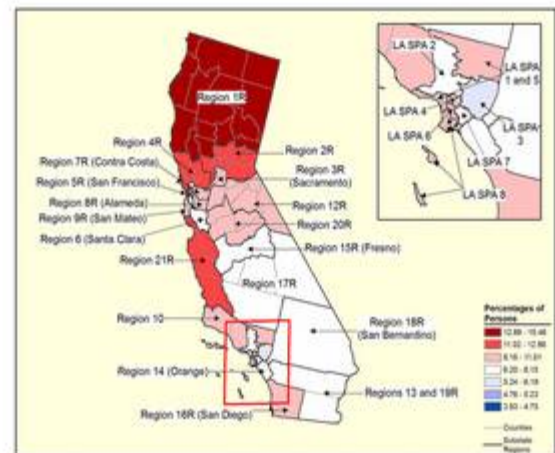


Figure 5.3 Marijuana Use in the Past Month among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs



2010-2012

2008-2010

Figure 5.3 Marijuana Use in the Past Month among Persons Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2010, 2011, and 2012 NSDUHs

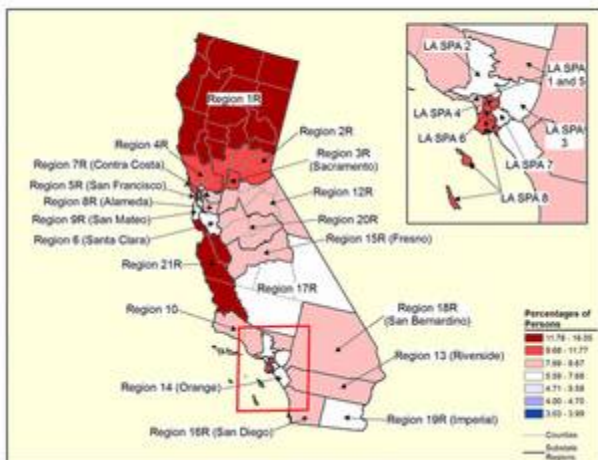
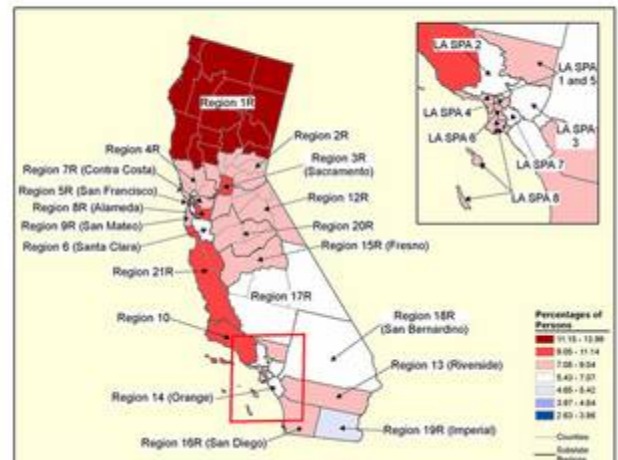
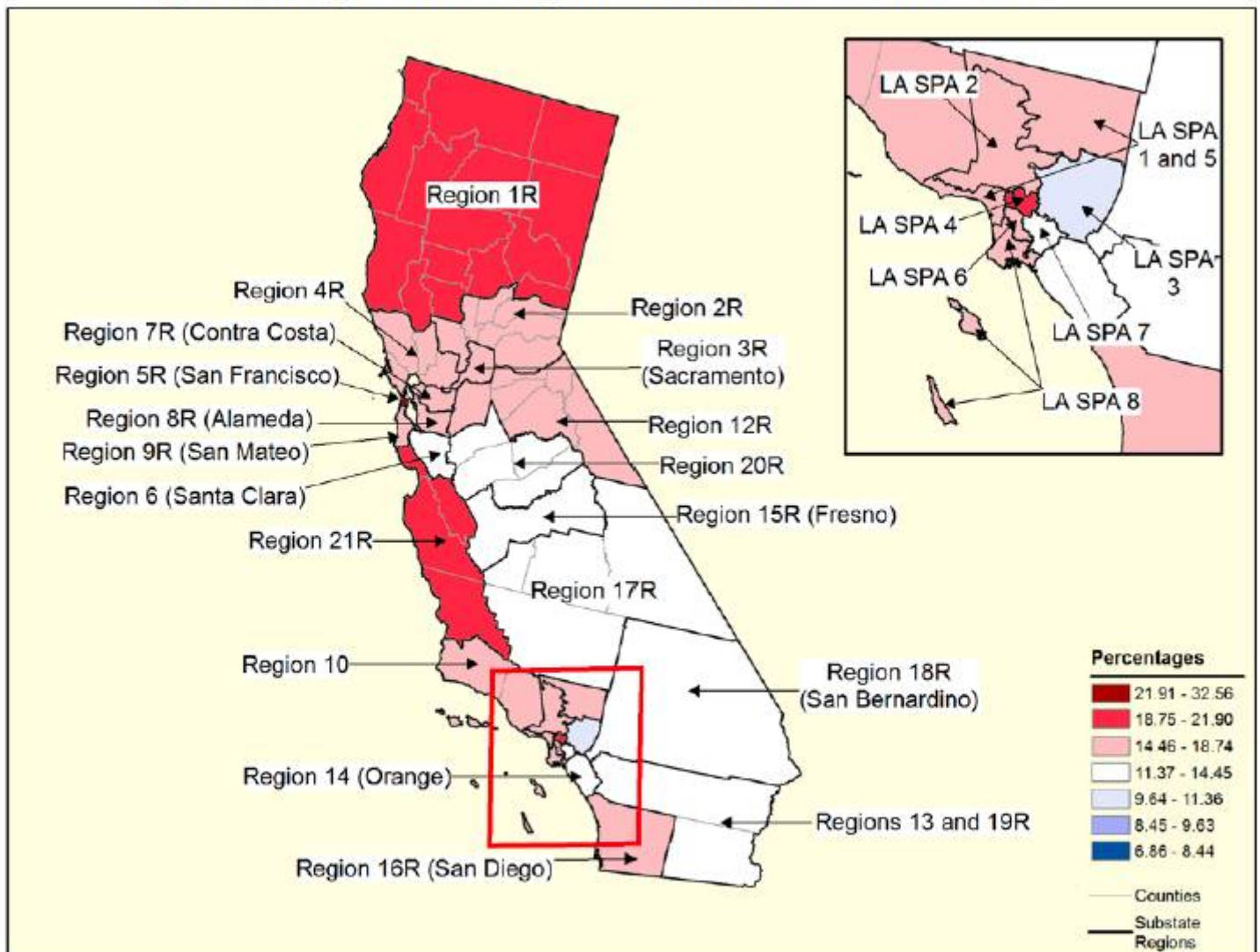


Figure 5.3 Marijuana Use in the Past Month among Persons Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2008, 2009, and 2010 NSDUHs



# THC Use LYear 2014-2016

**Figure 5.1 Marijuana Use in the Past Year among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs**



NOTE: The legend's ranges were created by dividing 395 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2014-2016 National Survey on Drug Use and Health Substate Region Definitions" at <https://www.samhsa.gov/data/>.

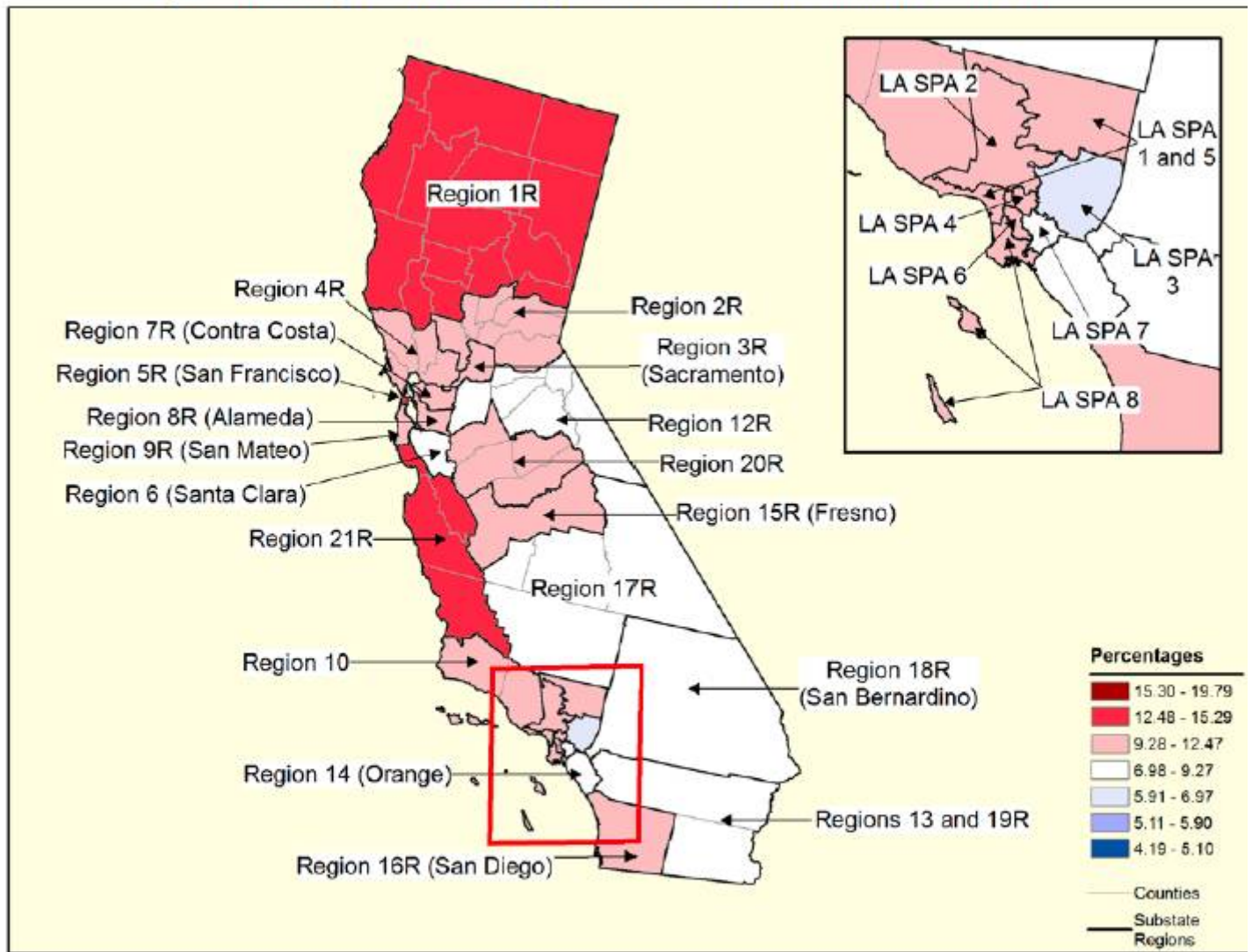
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

<https://www.samhsa.gov/sites/data/sites/default/files/cbhsq-reports/NSDUHsubstateStateTabs2016A/NSDUHsubstateCalifornia2016.pdf>



# ***LMonth 2014-2016***

**Figure 5.2 Marijuana Use in the Past Month among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs**



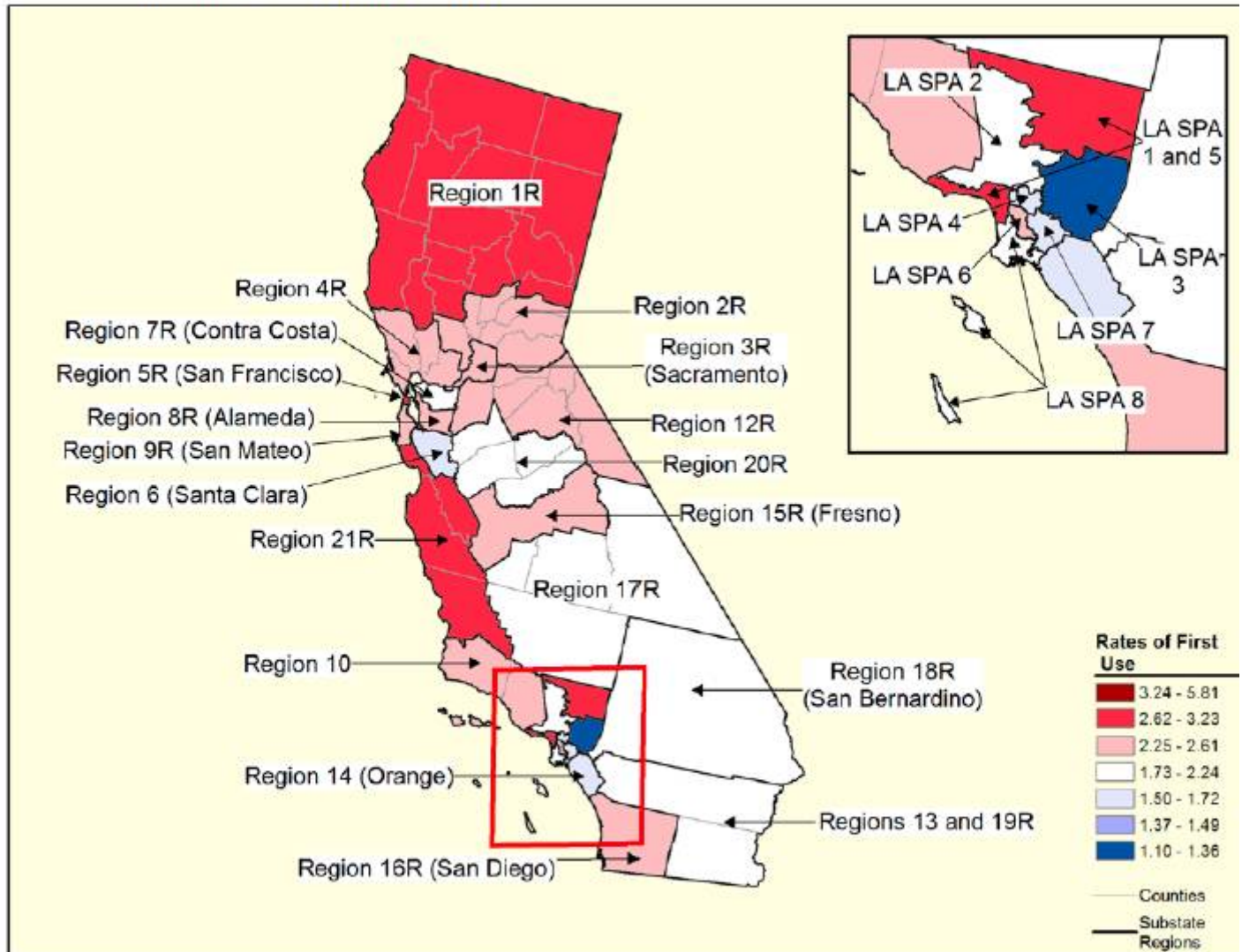
NOTE: The legend's ranges were created by dividing 395 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2014-2016 National Survey on Drug Use and Health Substate Region Definitions" at <https://www.samhsa.gov/data/>.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

<https://www.samhsa.gov/sites/data/sites/default/files/cbhsq-reports/NSDUHsubstateStateTabs2016A/NSDUHsubstateCalifornia2016.pdf>

# First Use 2014-2016

**Figure 5.3** *First Use of Marijuana among Individuals Aged 12 or Older in California, by Substate Region: Average Annual Incidence Estimates (Expressed as Percentages of the At-Risk Population) Based on 2014, 2015, and 2016 NSDUHs*



NOTE: The legend's ranges were created by dividing 395 substate regions, nationally, into 7 groups based on the magnitude of their percentage. For substate region definitions, see the "2014-2016 National Survey on Drug Use and Health Substate Region Definitions" at <https://www.samhsa.gov/data/>.

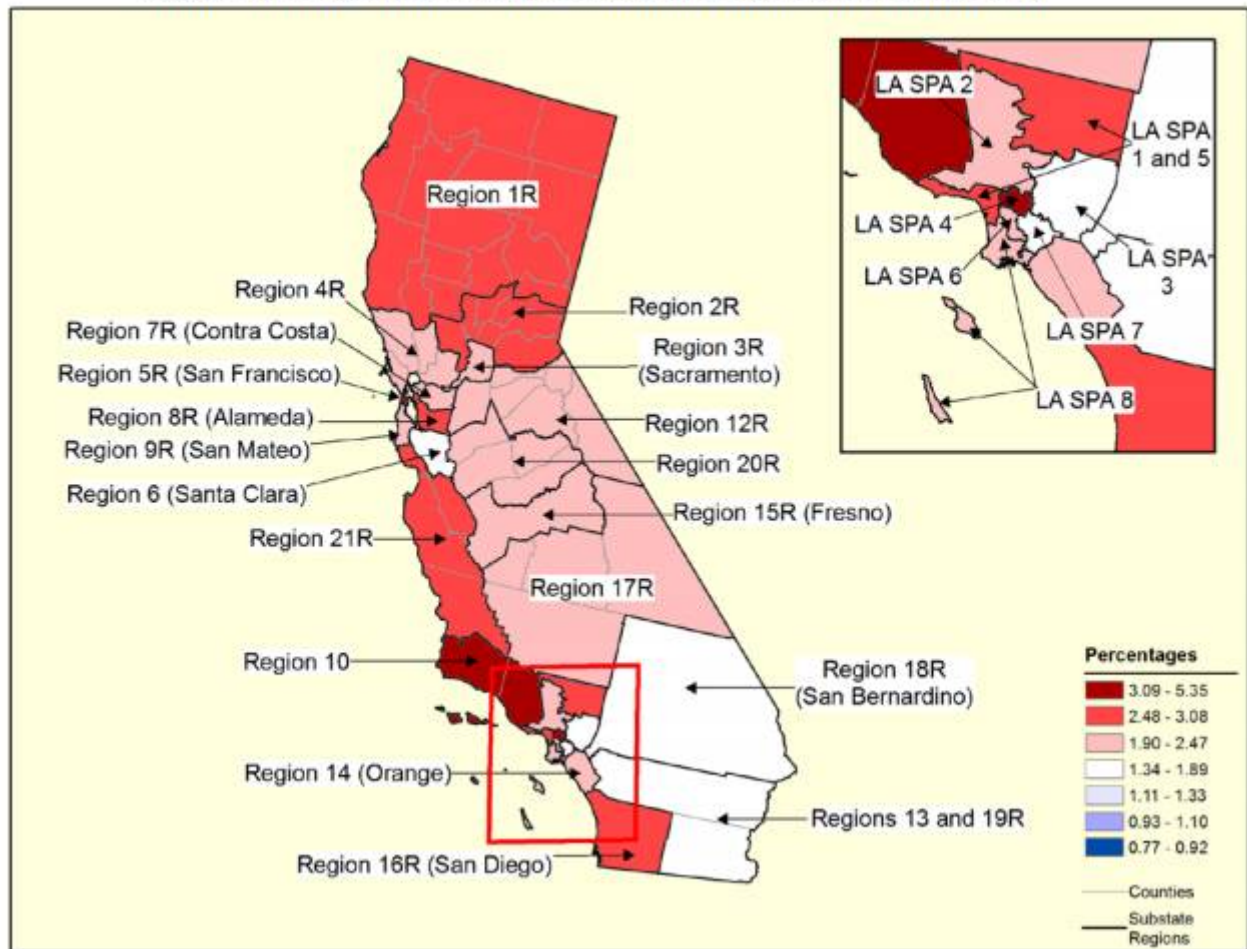
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

<https://www.samhsa.gov/sites/data/sites/default/files/cbhsq-reports/NSDUHsubstateStateTabs2016A/NSDUHsubstateCalifornia2016.pdf>



# Cocaine

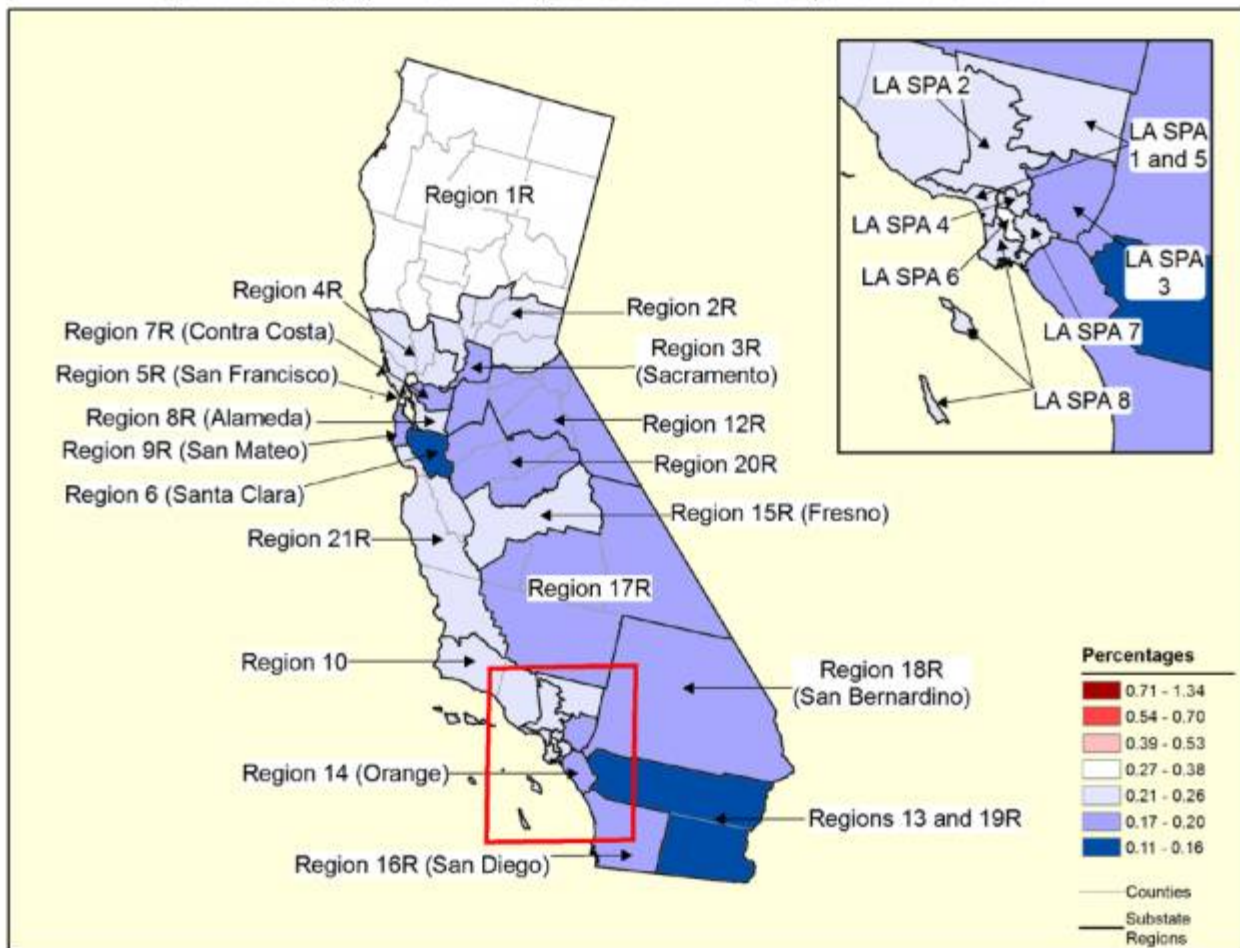
**Figure 5.4 Cocaine Use in the Past Year among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs**



<https://www.samhsa.gov/sites/data/sites/default/files/cbhsq-reports/NSDUHsubstateStateTabs2016A/NSDUHsubstateCalifornia2016.pdf>

# Heroin

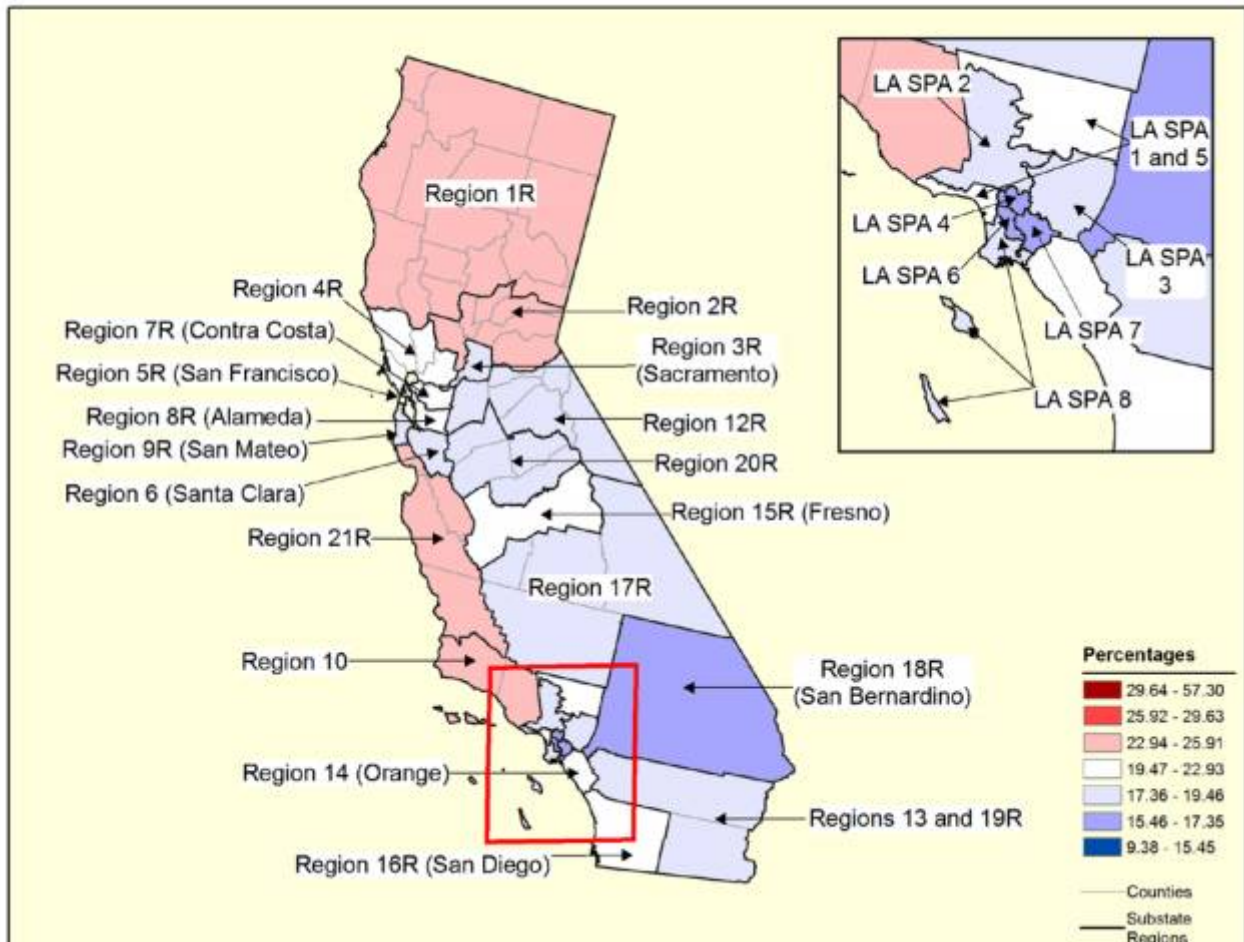
**Figure 5.5 Heroin Use in the Past Year among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs**



<https://www.samhsa.gov/sites/data/sites/default/files/cbhsq-reports/NSDUHsubstateStateTabs2016A/NSDUHsubstateCalifornia2016.pdf>

# Alcohol

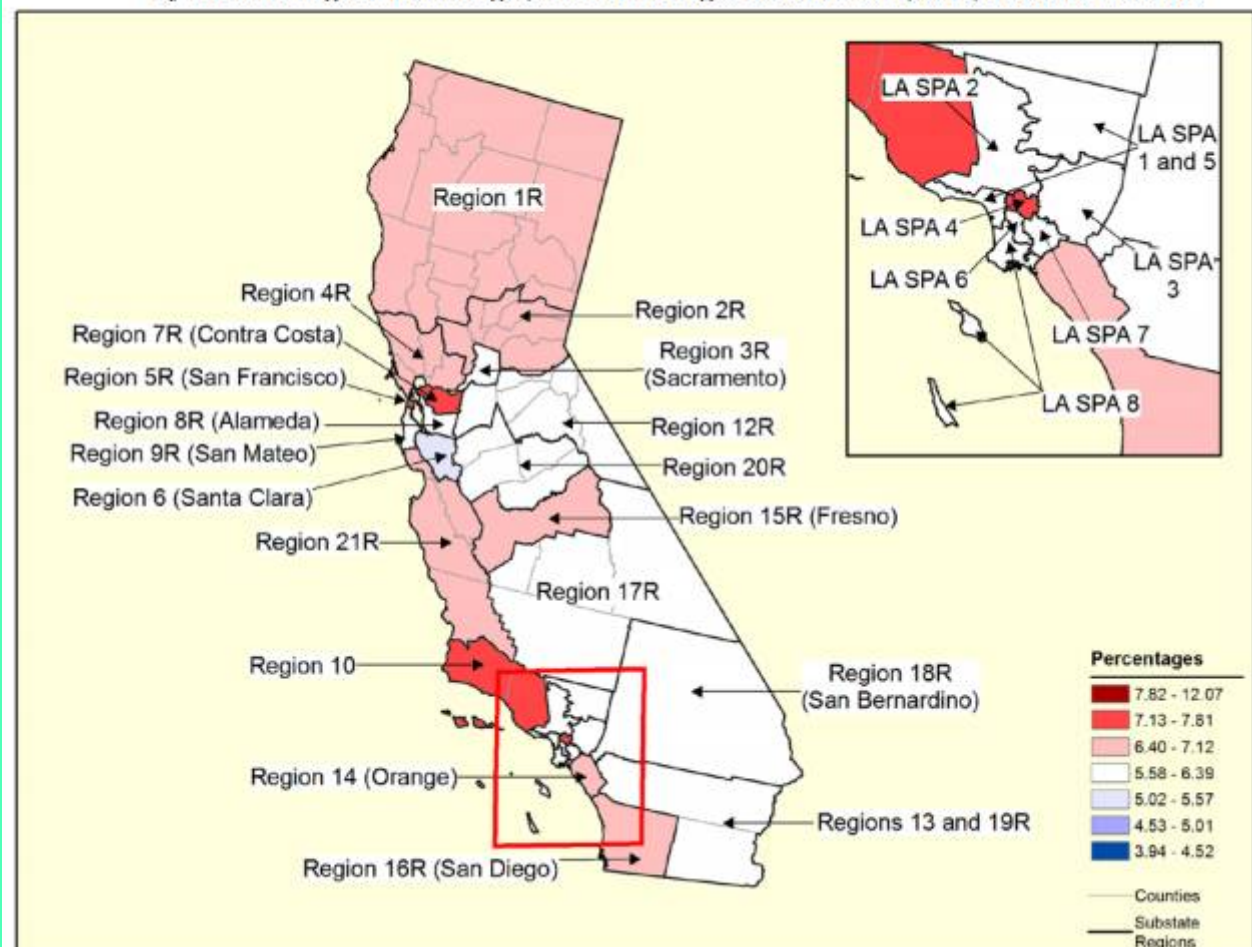
**Figure 5.7 Alcohol Use in the Past Month among Individuals Aged 12 to 20 in California, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs**



<https://www.samhsa.gov/sites/data/sites/default/files/cbhsq-reports/NSDUHsubstateStateTabs2016A/NSDUHsubstateCalifornia2016.pdf>

# Alcoholism LYear

**Figure 5.10 Alcohol Use Disorder in the Past Year among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs**

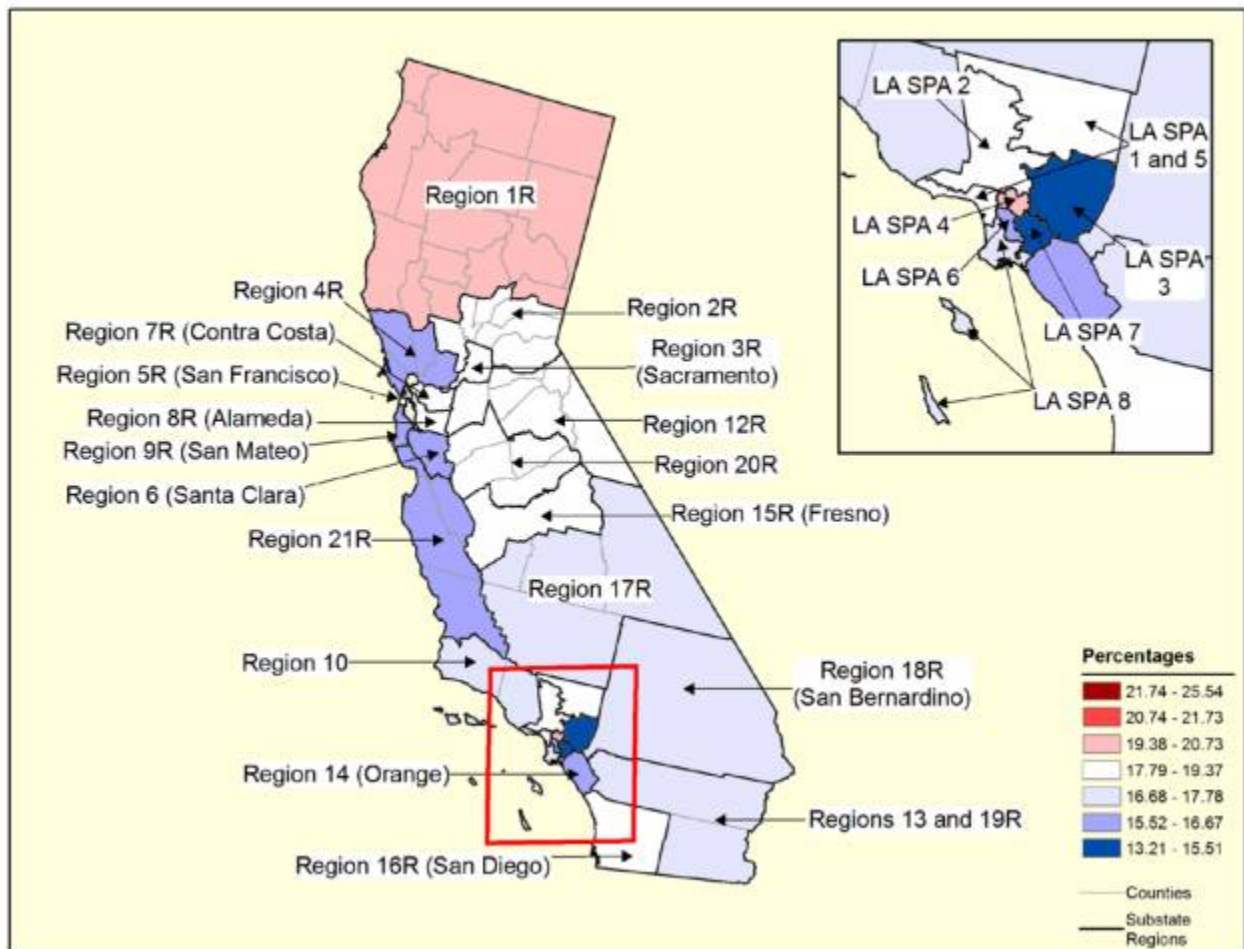


<https://www.samhsa.gov/sites/data/sites/default/files/cbhsq-reports/NSDUHsubstateStateTabs2016A/NSDUHsubstateCalifornia2016.pdf>



# *Any Mental Illness*

**Figure 5.12** *Any Mental Illness in the Past Year* among Adults Aged 18 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs

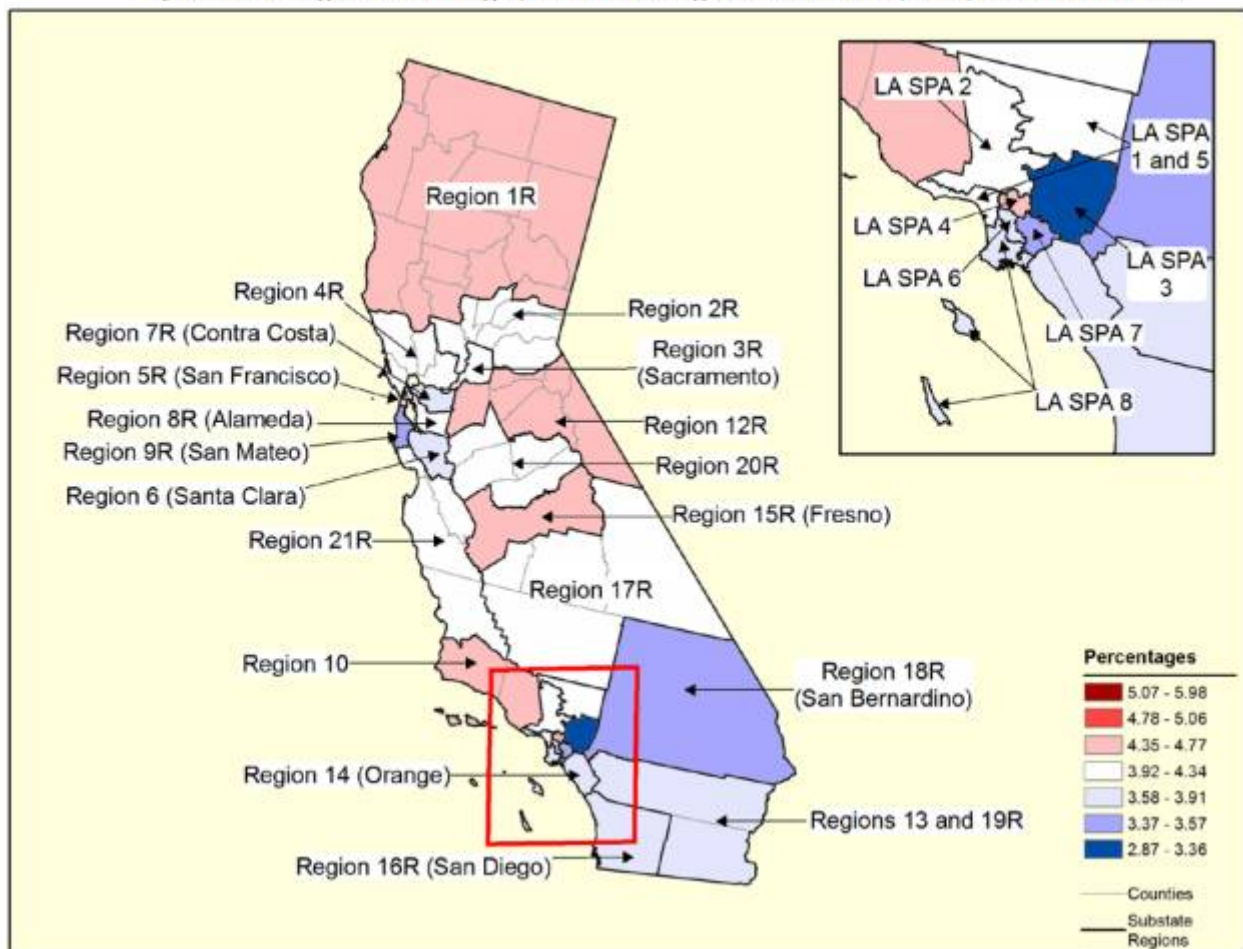


<https://www.samhsa.gov/sites/data/sites/default/files/cbhsq-reports/NSDUHsubstateStateTabs2016A/NSDUHsubstateCalifornia2016.pdf>



# Suicidal Thoughts

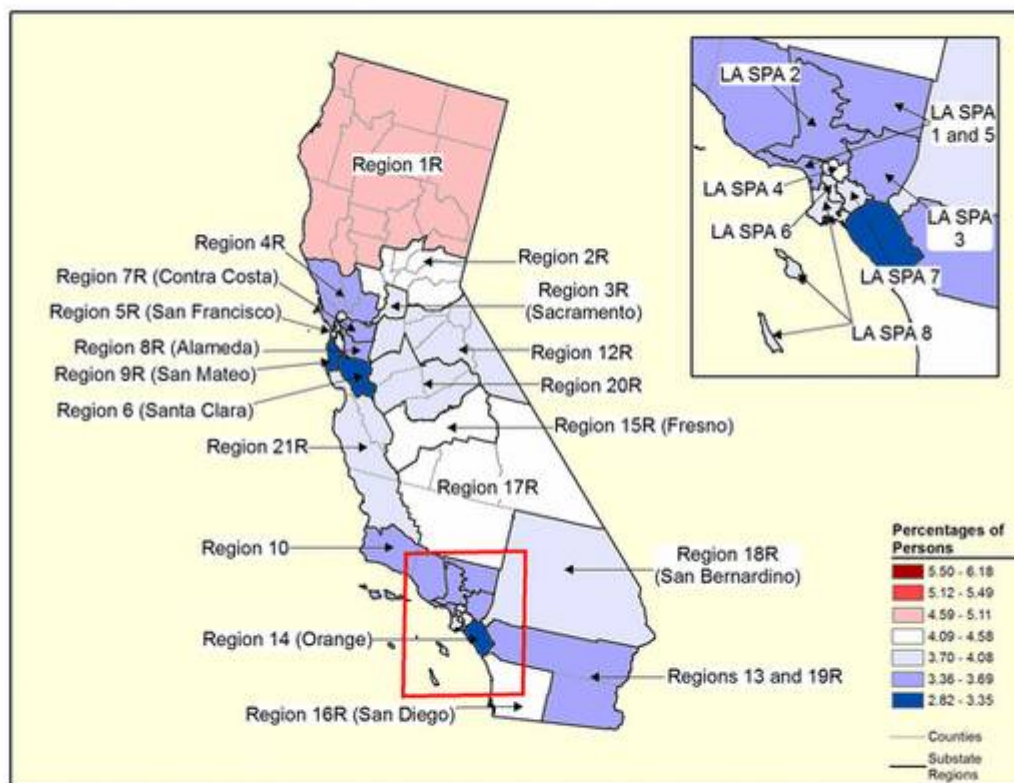
**Figure 5.14** *Had Serious Thoughts of Suicide in the Past Year among Adults Aged 18 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs*



<https://www.samhsa.gov/sites/data/sites/default/files/cbhsq-reports/NSDUHsubstateStateTabs2016A/NSDUHsubstateCalifornia2016.pdf>

# 2012-2014 Serious Mental Illness

**Figure 5.24 Serious Mental Illness in the Past Year among Adults Aged 18 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs**



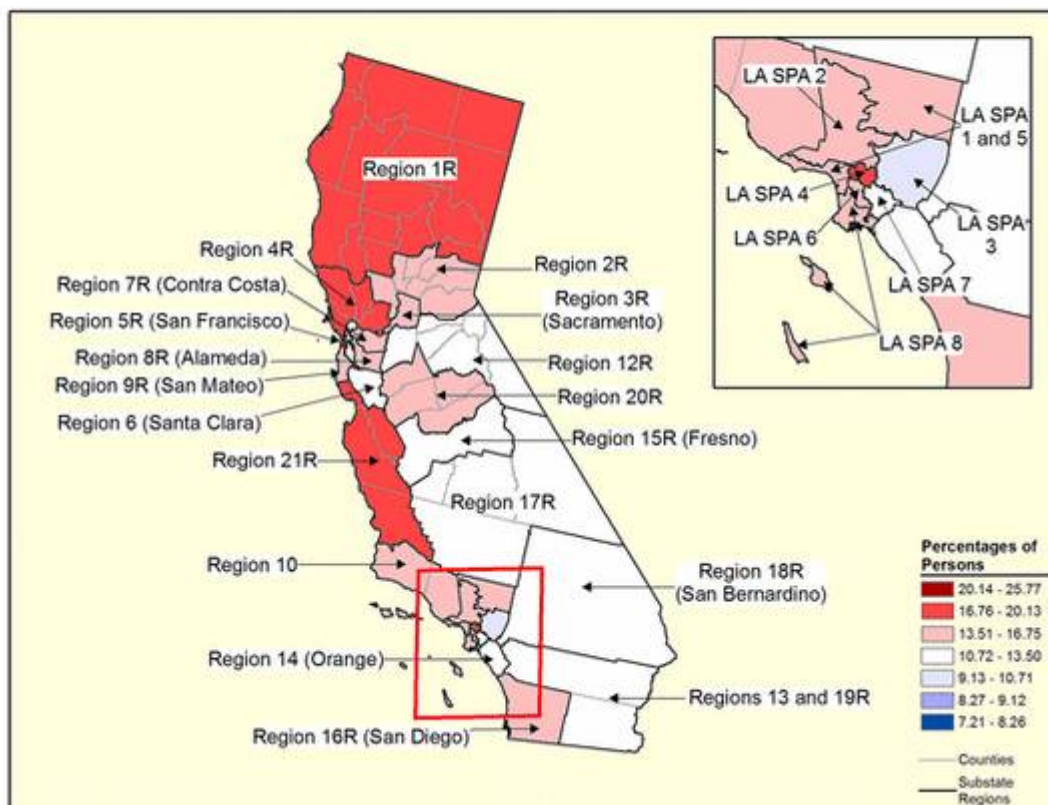
D

NOTE: The legend's ranges were created by dividing 362 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2012-2014 National Survey on Drug Use and Health Substate Region Definitions" at <http://www.samhsa.gov/data/>. Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2012, 2013, and 2014.

<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>

# ***LYear 2012-2014***

**Figure 5.2 Marijuana Use in the Past Year among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs**

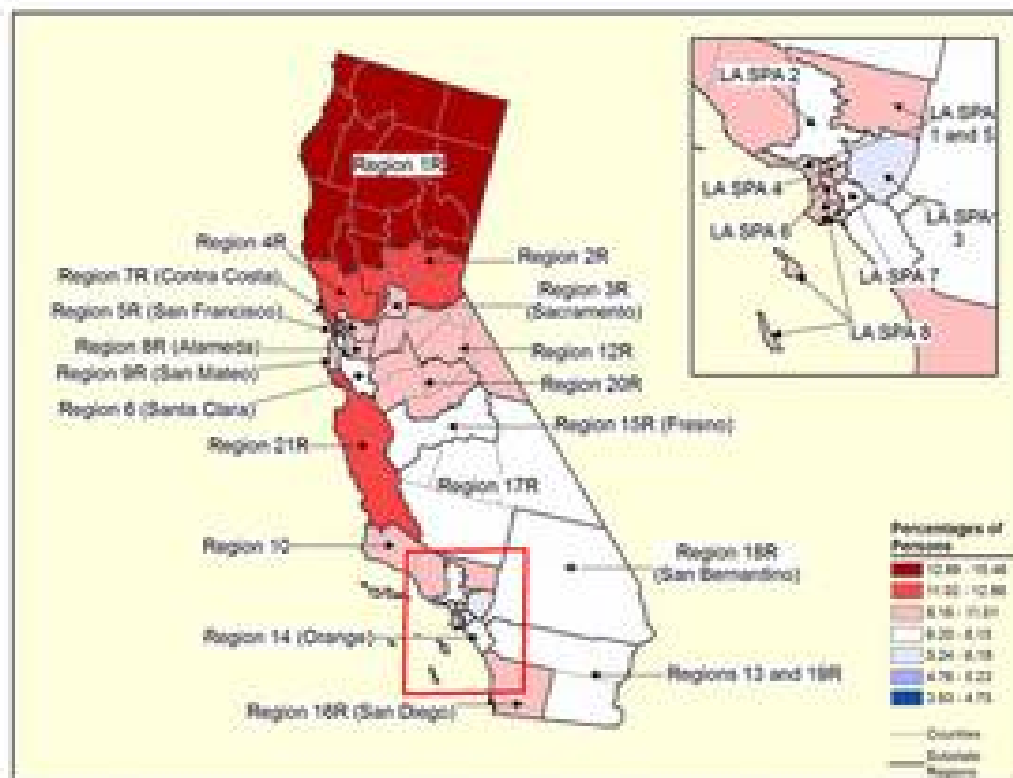


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<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>

# *LMonth*

**Figure 5.3 *Marijuana Use in the Past Month* among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs**



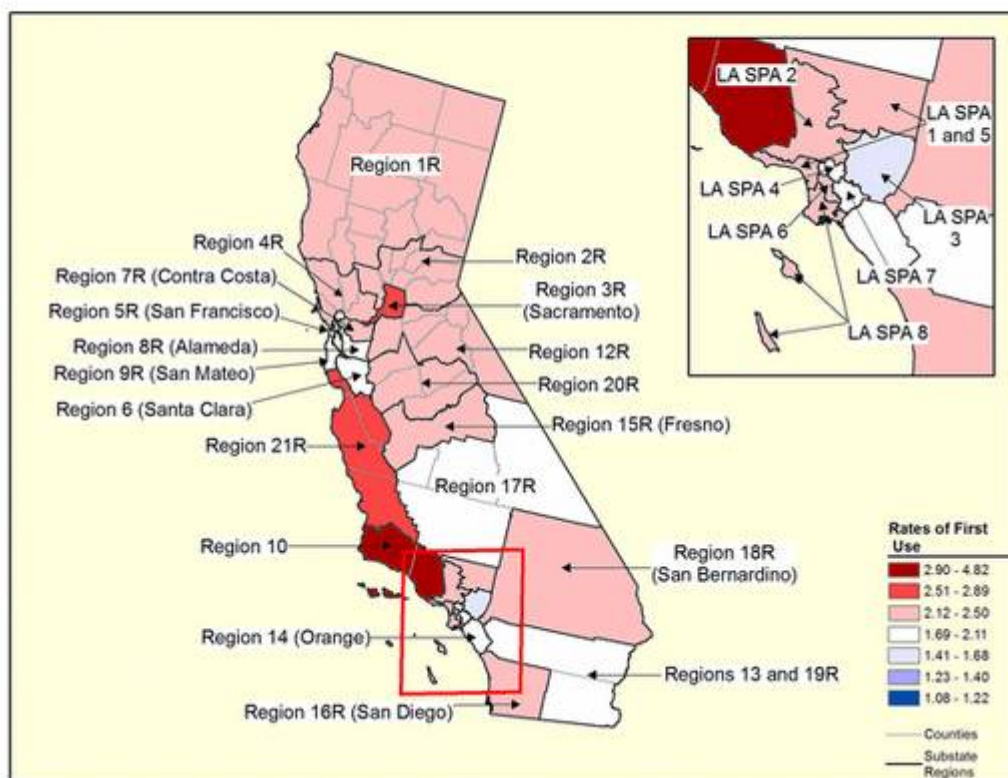
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<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>



# First Use

**Figure 5.5 *First Use of Marijuana* among Individuals Aged 12 or Older in California, by Substate Region: Average Annual Incidence Estimates (Expressed as Percentages of the At-Risk Population) Based on 2012, 2013, and 2014 NSDUHs**



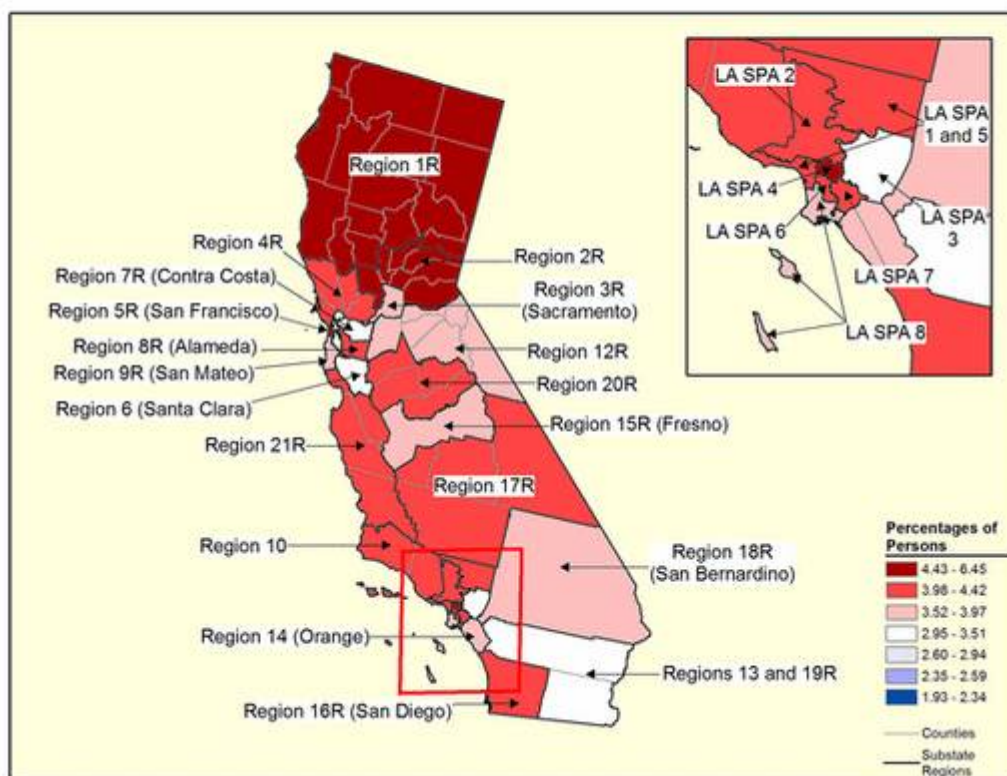
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<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>



## Other Illicits

**Figure 5.6 *Illicit Drug Use Other Than Marijuana in the Past Month* among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs**

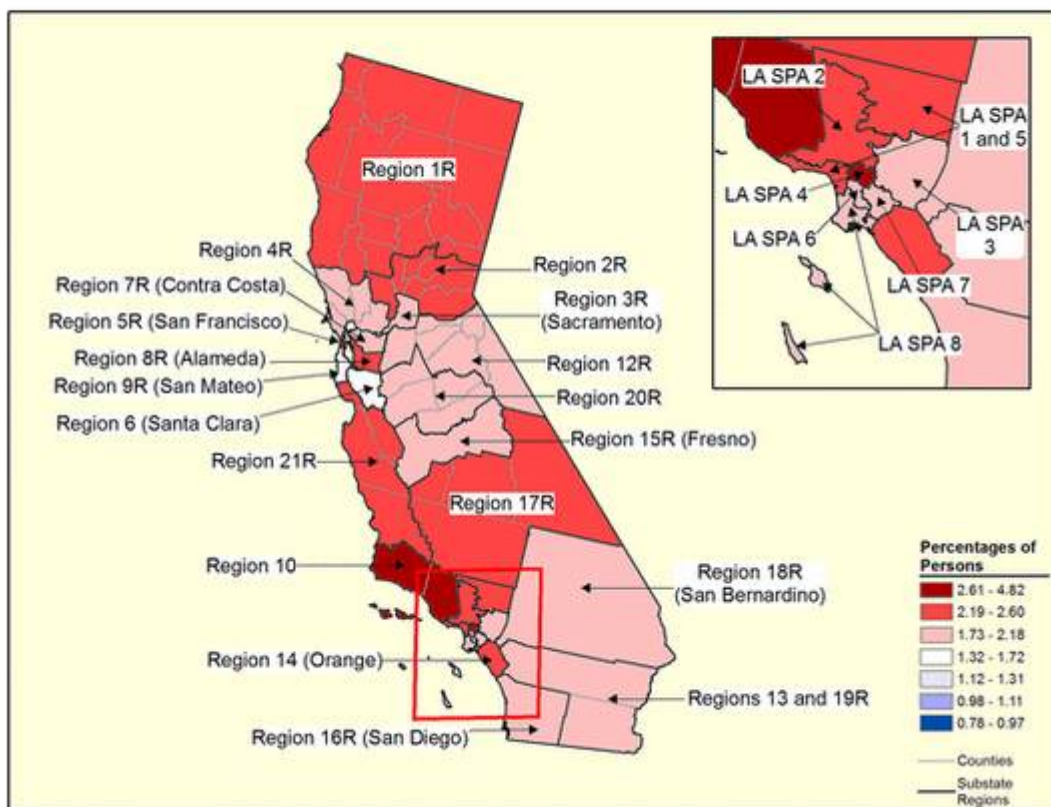


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<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>

# Cocaine

**Figure 5.7 Cocaine Use in the Past Year among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs**

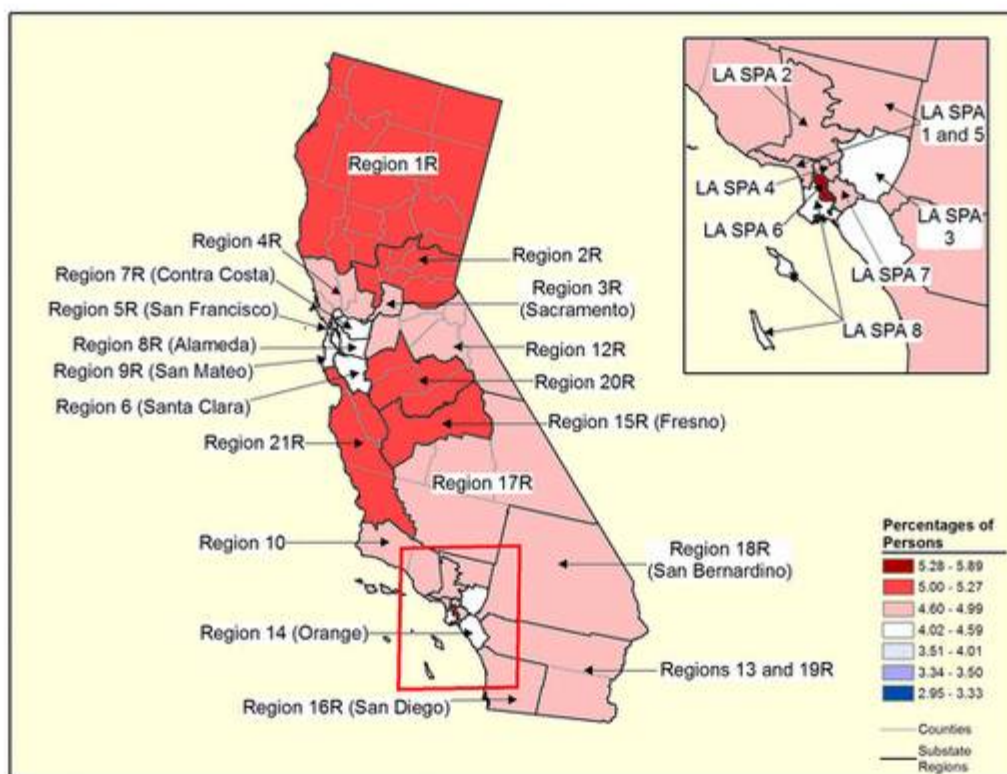


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<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>

# *Analgesic Abuse*

**Figure 5.8 *Nonmedical Use of Pain Relievers in the Past Year* among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs**

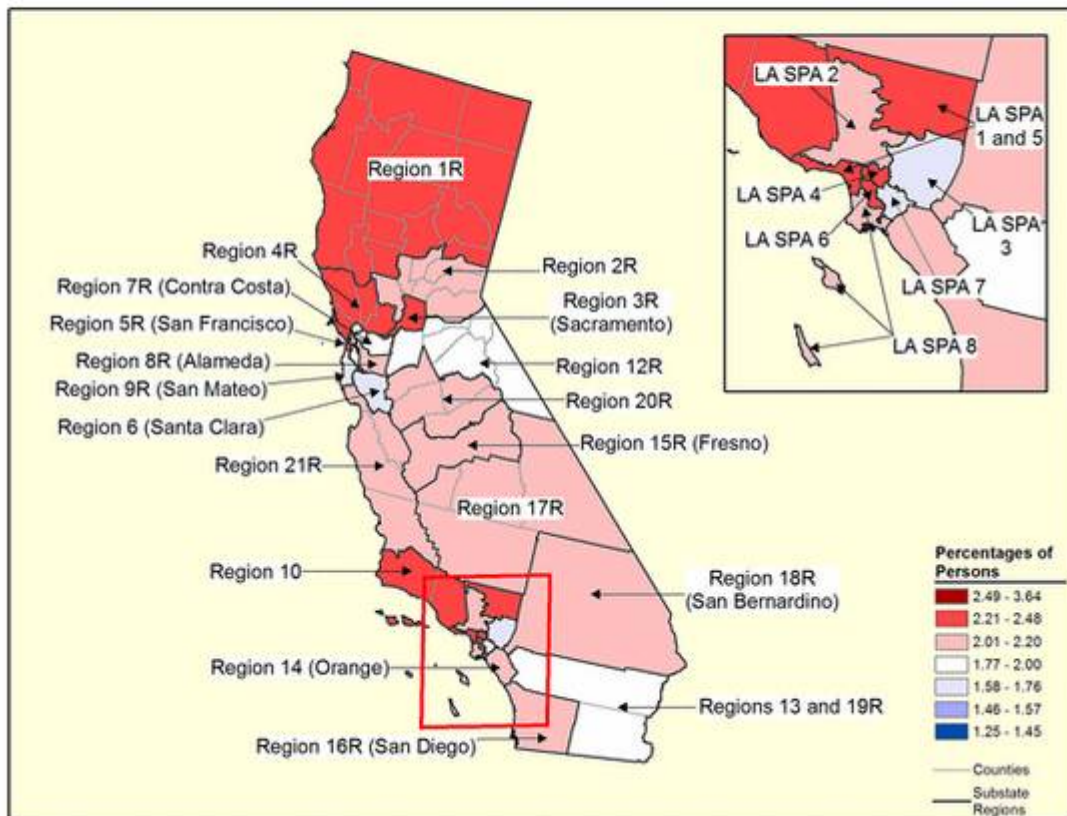


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<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>

# Illicit Drug Dependence

**Figure 5.20 *Illicit Drug Dependence in the Past Year* among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs**



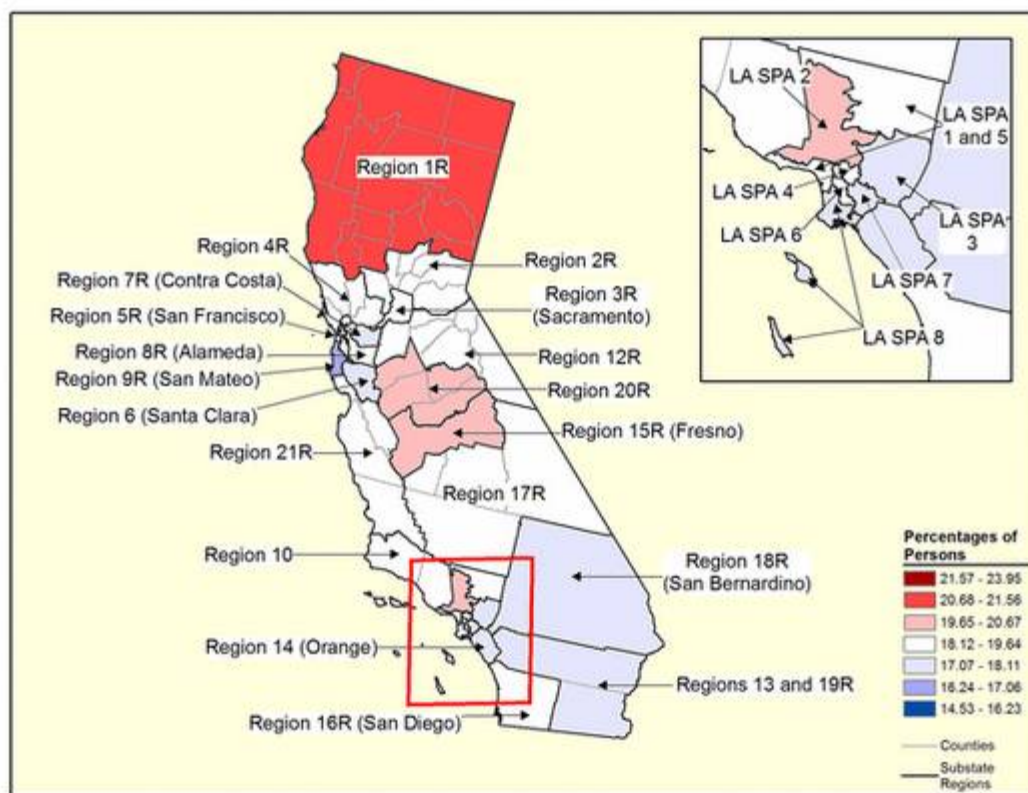
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<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>



# *Any Mental Illness*

**Figure 5.25 *Any Mental Illness in the Past Year* among Adults Aged 18 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs**



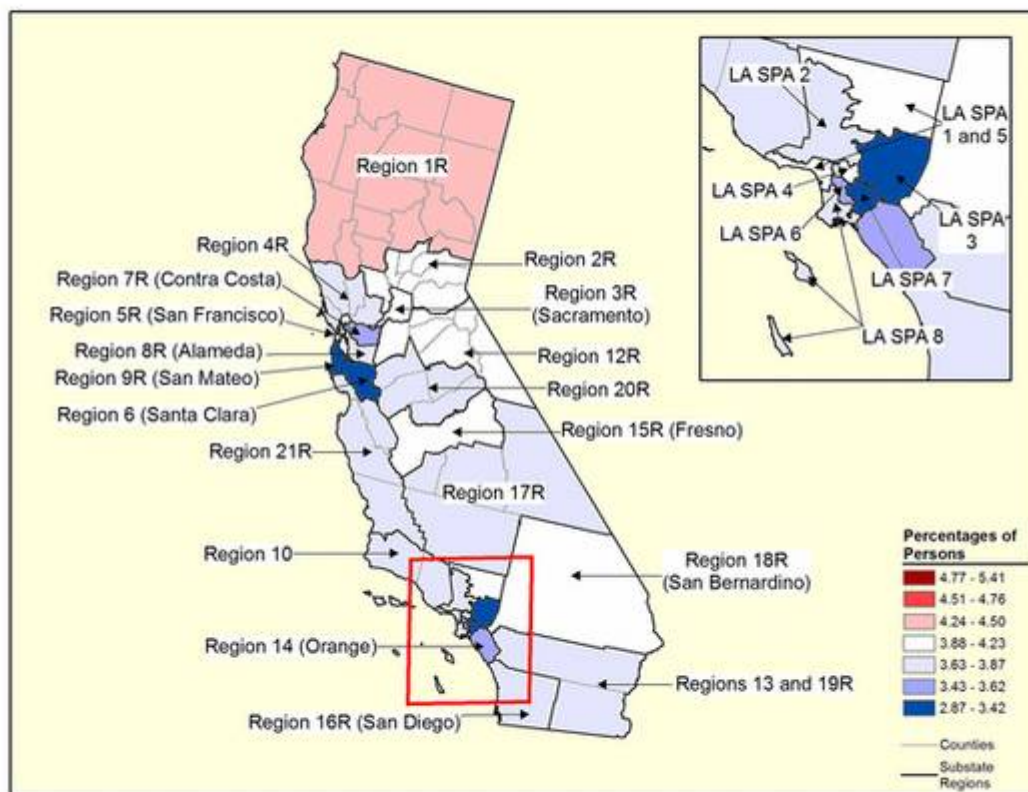
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NOTE: The legend's ranges were created by dividing 362 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2012-2014 National Survey on Drug Use and Health Substate Region Definitions" at <http://www.samhsa.gov/data/>. Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2012, 2013, and 2014.

<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>

# Suicide

**Figure 5.26 *Had Serious Thoughts of Suicide in the Past Year* among Adults Aged 18 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs**



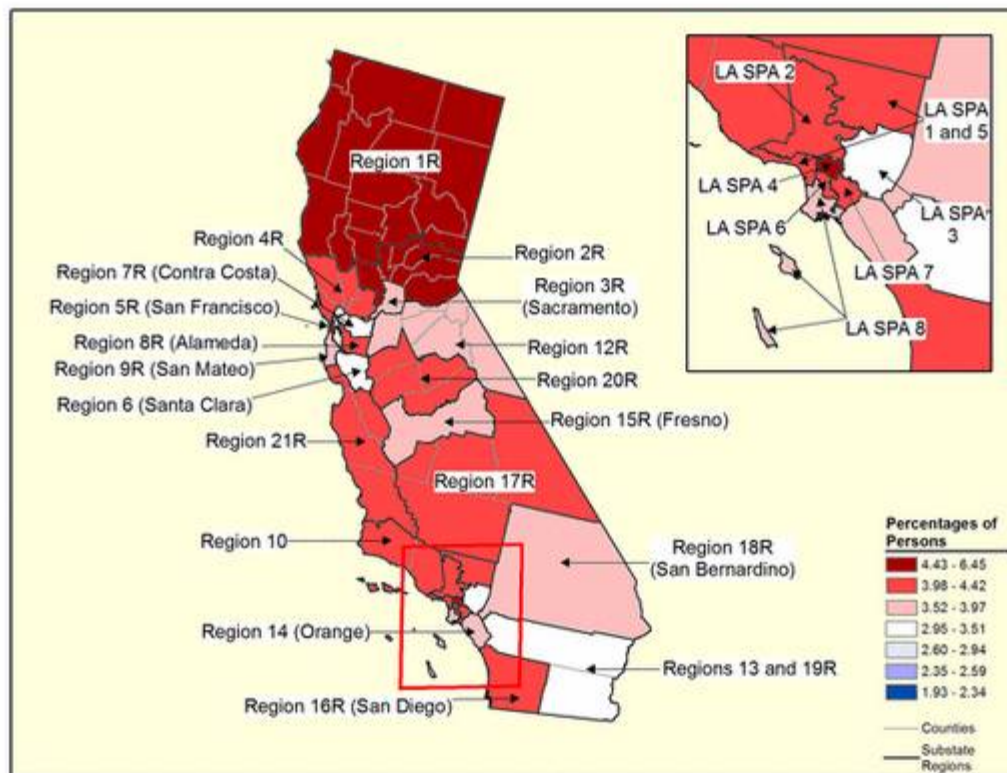
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NOTE: The legend's ranges were created by dividing 362 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2012-2014 National Survey on Drug Use and Health Substate Region Definitions" at <http://www.samhsa.gov/data/>. Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2012, 2013, and 2014.

<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>

## Other Illicits LMonth

**Figure 5.6 Illicit Drug Use Other Than Marijuana in the Past Month among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs**



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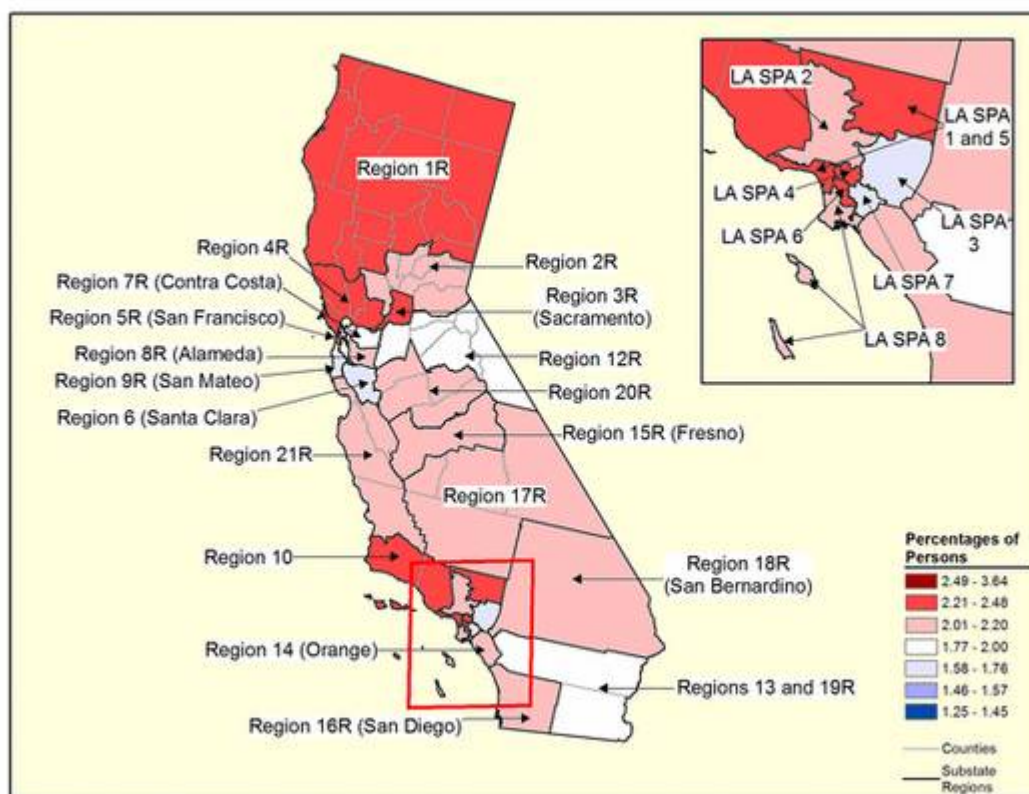
NOTE: The legend's ranges were created by dividing 362 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2012-2014 National Survey on Drug Use and Health Substate Region Definitions" at <http://www.samhsa.gov/data/>. Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2012, 2013, and 2014.

<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>



# Illicit Drug Dependence

**Figure 5.20 Illicit Drug Dependence in the Past Year among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs**



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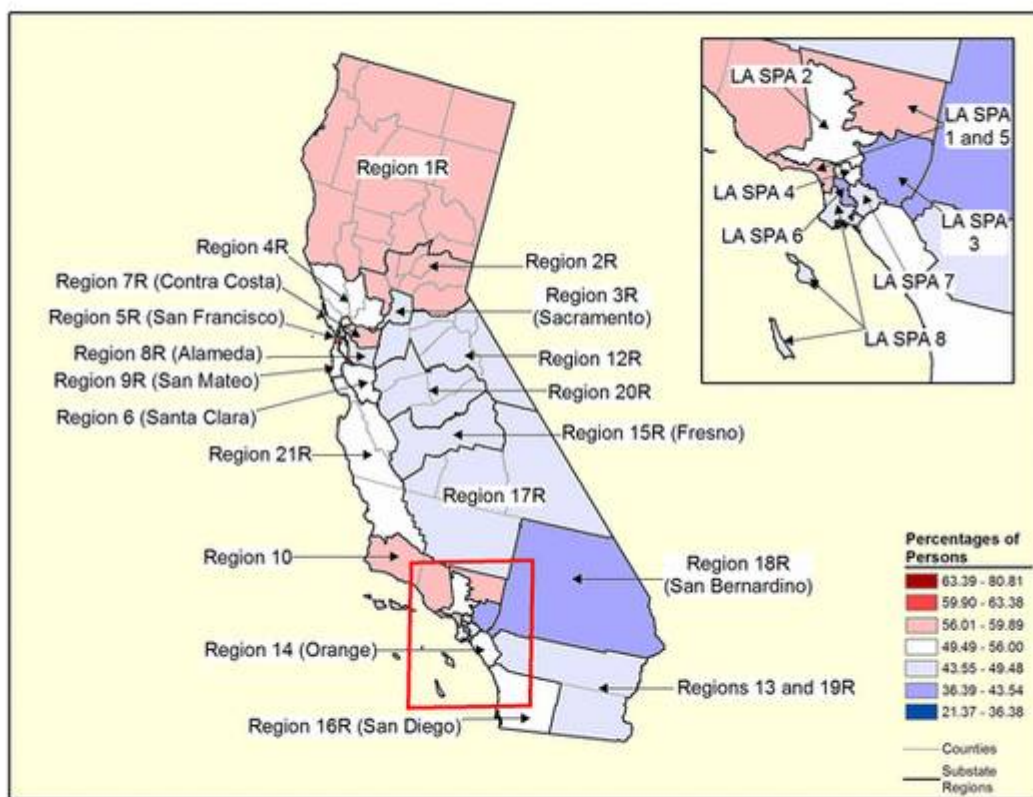
NOTE: The legend's ranges were created by dividing 362 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2012-2014 National Survey on Drug Use and Health Substate Region Definitions" at <http://www.samhsa.gov/data/>. Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2012, 2013, and 2014.

<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>



# Alcohol LMonth

**Figure 5.9 Alcohol Use in the Past Month among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs**



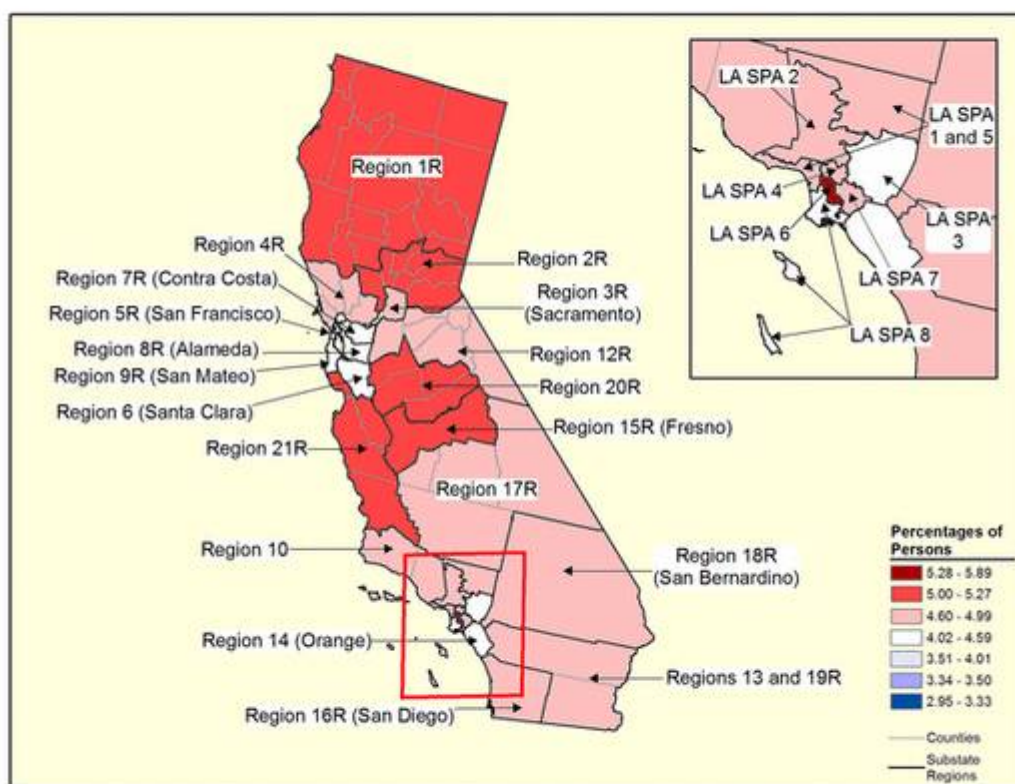
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NOTE: The legend's ranges were created by dividing 362 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2012-2014 National Survey on Drug Use and Health Substate Region Definitions" at <http://www.samhsa.gov/data/>. Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2012, 2013, and 2014.

<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>

# Opioid Abuse

**Figure 5.8 Nonmedical Use of Pain Relievers in the Past Year among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs**



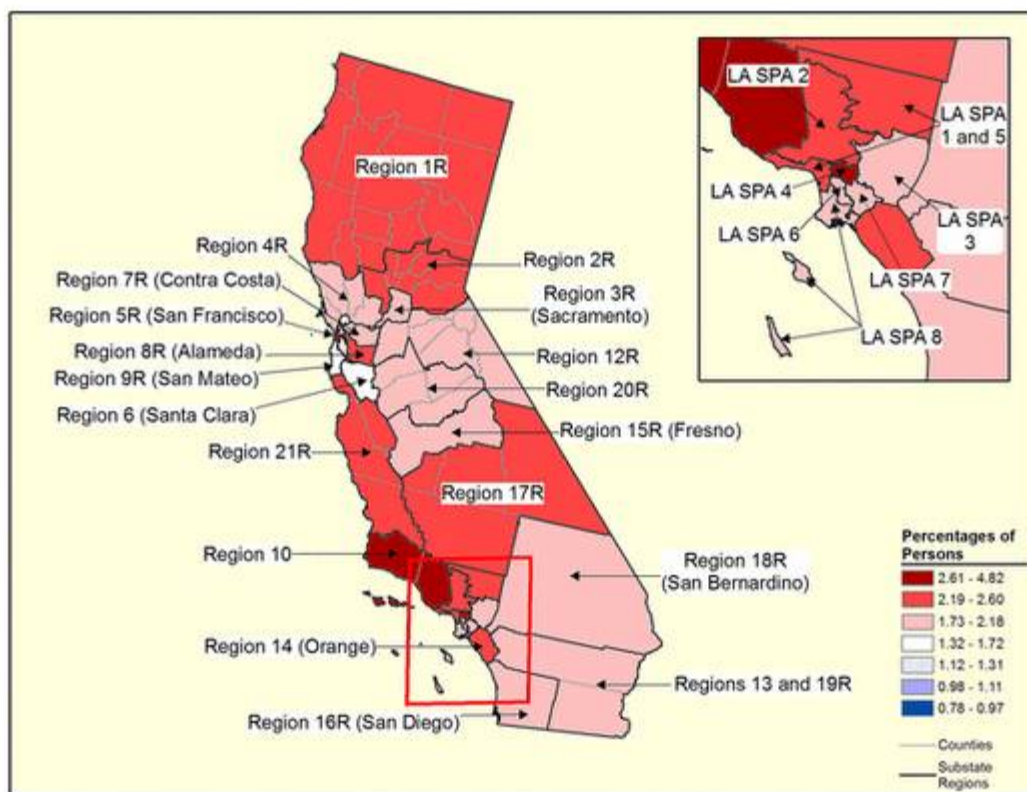
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NOTE: The legend's ranges were created by dividing 362 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2012-2014 National Survey on Drug Use and Health Substate Region Definitions" at <http://www.samhsa.gov/data/>. Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2012, 2013, and 2014.

<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>

# Cocaine

**Figure 5.7 Cocaine Use in the Past Year among Individuals Aged 12 or Older in California, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs**



D

NOTE: The legend's ranges were created by dividing 362 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2012-2014 National Survey on Drug Use and Health Substate Region Definitions" at <http://www.samhsa.gov/data/>. Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2012, 2013, and 2014.

<https://www.samhsa.gov/sites/data/sites/default/files/NSDUHsubstateStateTabs2014/NSDUHsubstateSpecificStates2014.htm#tab5.1>