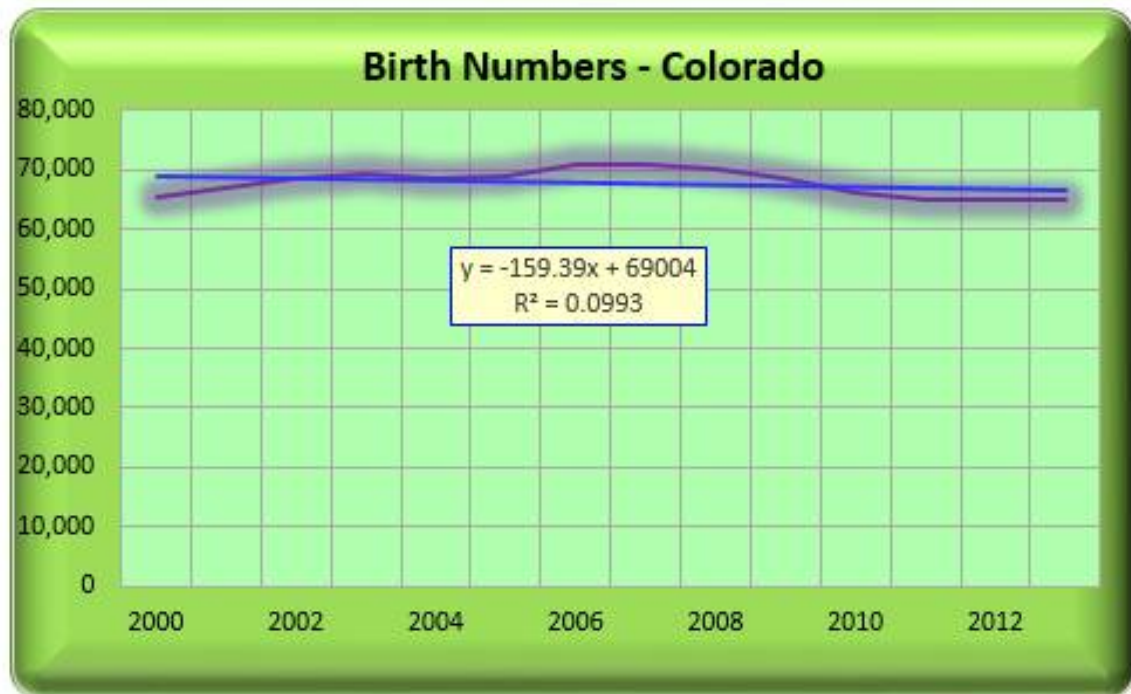
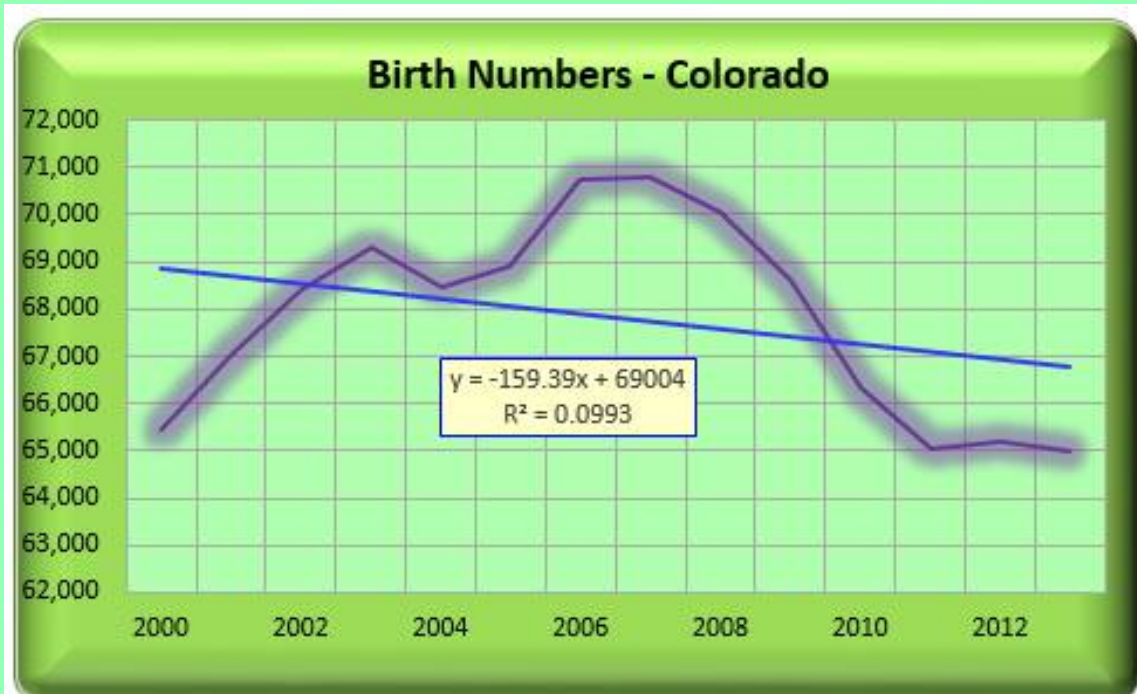


Congenital Anomalies Colorado

2000-2013

<http://www.chd.dphe.state.co.us/cohid/>
<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsqli>

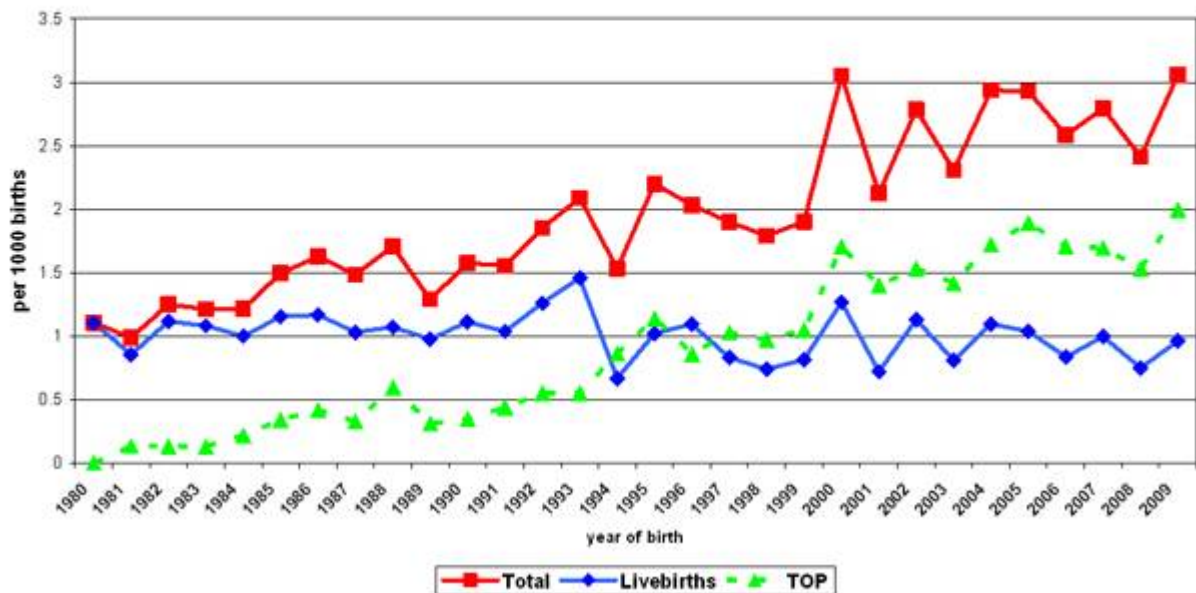
Births



Down's Syndrome in Western Australia

8. Down Syndrome: total, live births and terminations of pregnancy

Down syndrome: total, livebirths and terminations of pregnancy



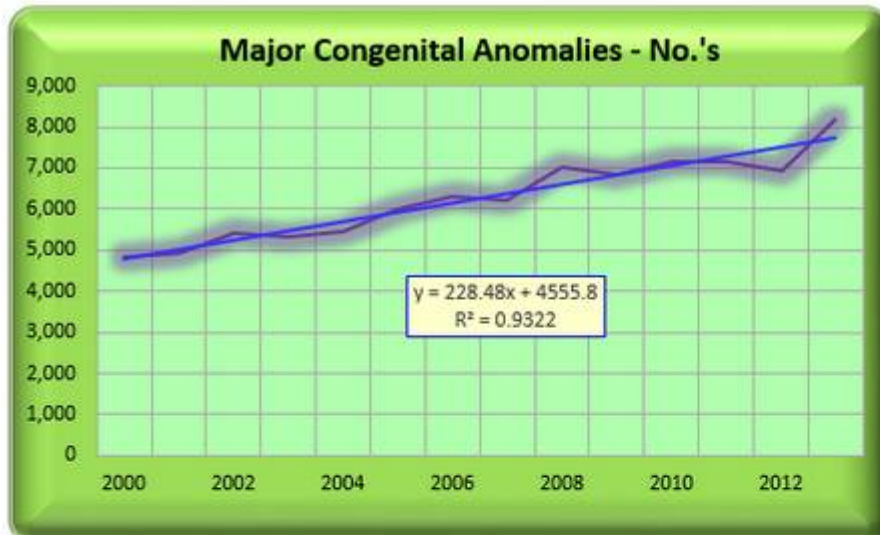
http://www.kemh.health.wa.gov.au/services/register_developmental_anomalies/monitoring_trends.htm

Rising Trends

Colorado 2000-2013

<http://www.chd.dphe.state.co.us/cohid/>
<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsql>

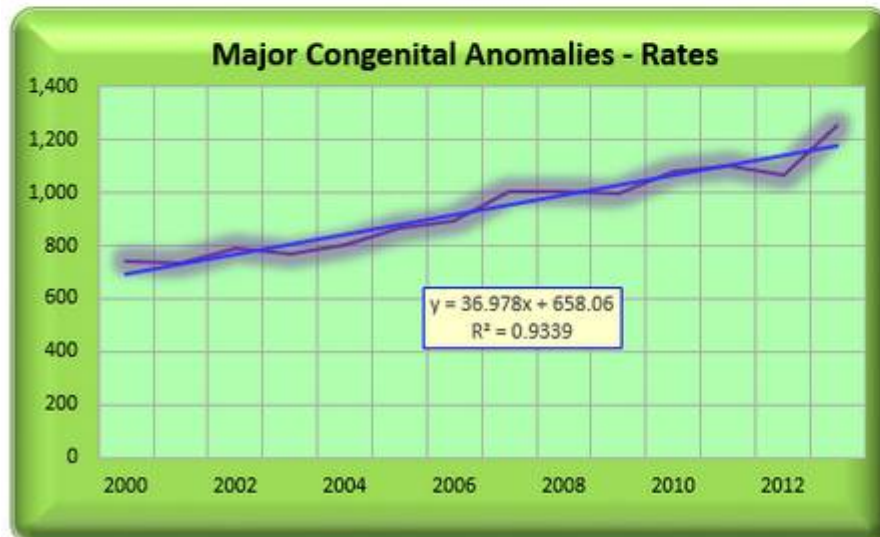
Major Congenital Anomalies



Major Congenital Anomalies

Rates/ 10,000 Live births
(Excluding Terminations)

Year	Majors	Majors Rate
2000	4830	738.2
2001	4942	737.5
2002	5406	790.1
2003	5311	766.3
2004	5482	800.6
2005	5978	867.4
2006	6325	894.2
2007	6213	1001.0
2008	7010	1001.0
2009	6826	995.0
2010	7171	1080.8
2011	7174	1102.8
2012	6939	1064.5
2013	8165	1256.1
Rise %	69.04%	70.16%
Annualized	4.93%	5.01%



Major Congenital Anomalies as Percentage



Major Cardiovascular Anomalies

Major Cardiovascular Abnormalities - No.'s



Major Cardiovascular Abnormalities - Rates

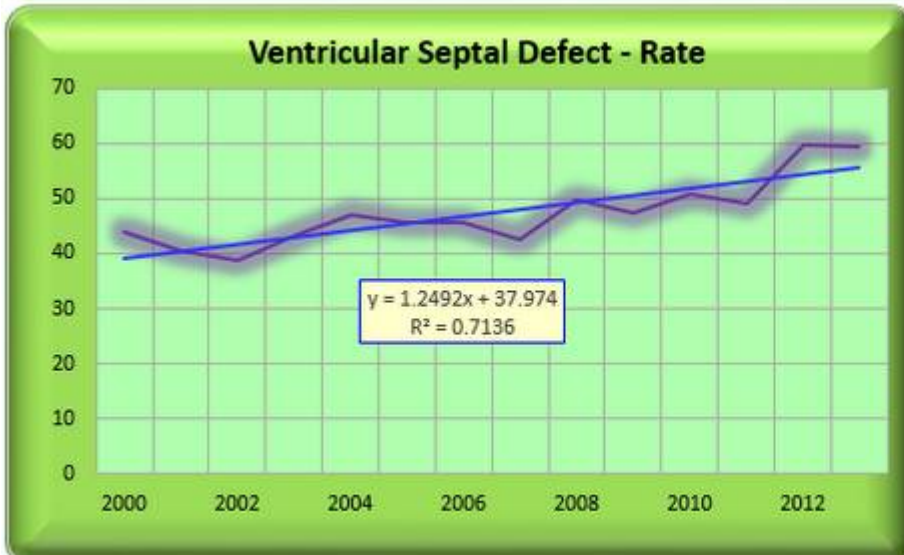
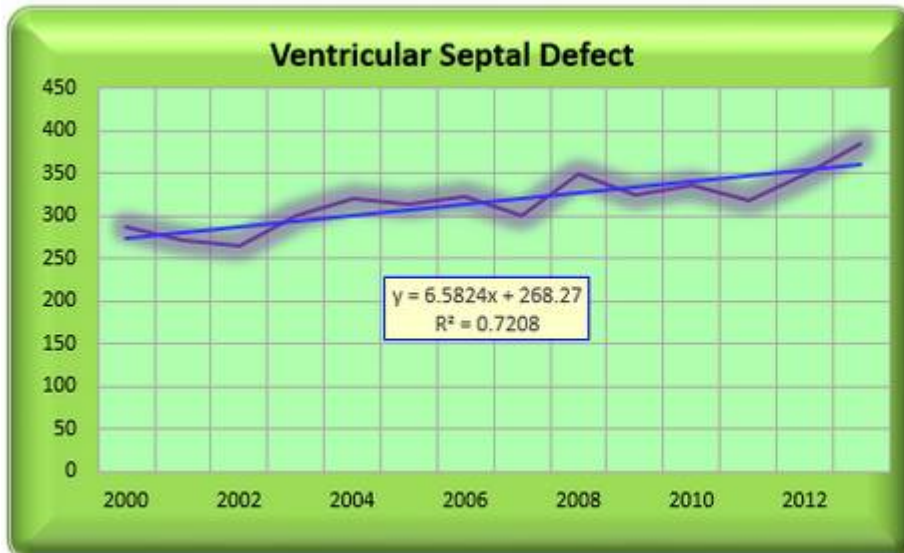


Major CVS Abnormalities

Rates/ 10,000 Live births
(Excluding Terminations)

Year	CVS	CVS Rate
2000	1002	153.1
2001	1071	159.8
2002	1263	184.6
2003	1273	183.7
2004	1368	199.8
2005	1398	202.8
2006	1397	197.5
2007	1274	179.9
2008	1530	218.5
2009	1528	222.7
2010	1464	220.7
2011	1536	236.1
2012	1562	239.6
2013	1622	249.5
Rise %	61.88%	62.97%
Annualized	4.42%	4.50%

Ventricular Septal Defect

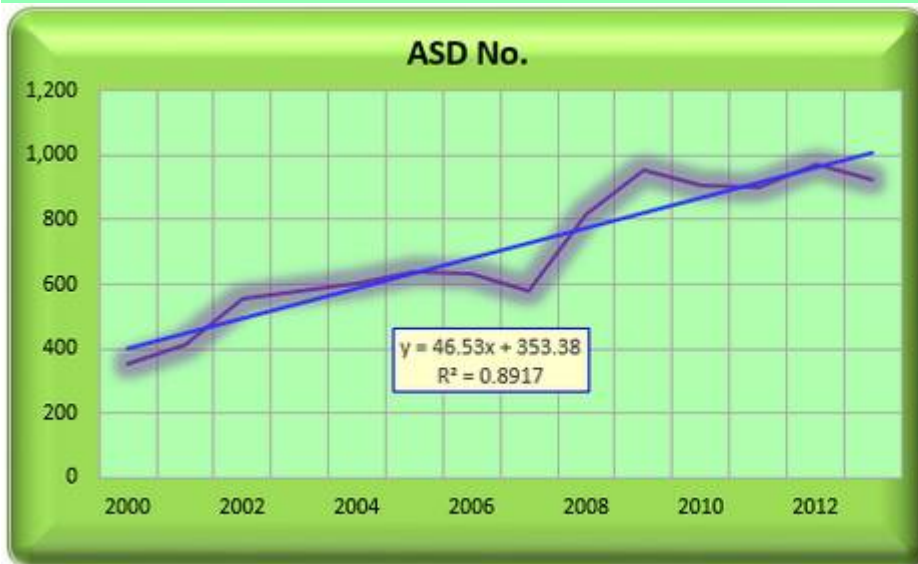


VSD

Rates/ 10,000 Live births
(Excluding Terminations)

Year	VSD	VSD Rate
2000	287	43.9
2001	271	40.4
2002	265	38.7
2003	300	43.3
2004	321	46.9
2005	315	45.7
2006	323	45.7
2007	300	42.4
2008	349	49.8
2009	324	47.2
2010	337	50.8
2011	319	49.0
2012	350	59.6
2013	386	59.4
Rise %	34.49%	35.31%
Annualized	2.46%	2.52%

Atrial Septal Defects - Ostium Secundum

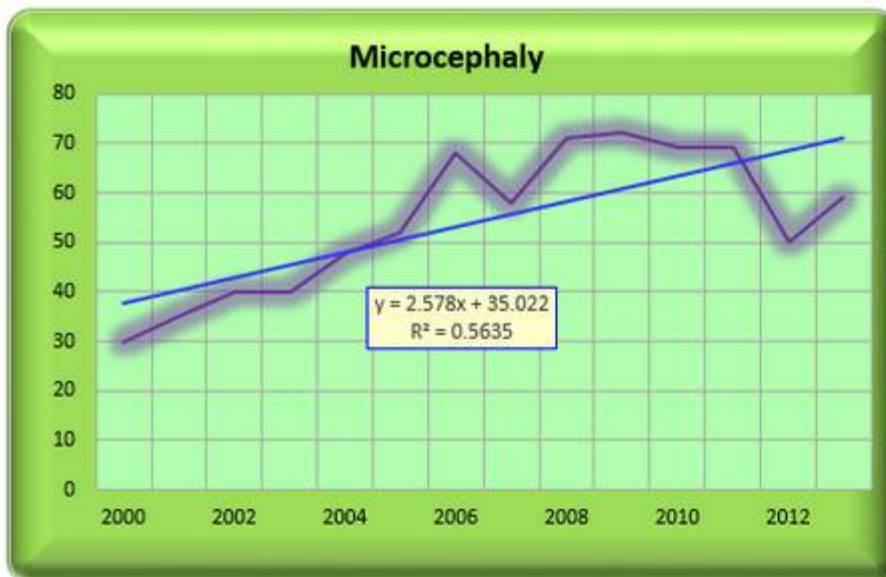


Ostium Secundum ASD's

Rates/ 10,000 Live births
(Excluding Terminations)

Year	ASD No.	ASD - Rate
2000	355	54.3
2001	415	61.9
2002	554	81
2003	579	83.5
2004	606	88.5
2005	637	92.4
2006	635	89.8
2007	579	81.8
2008	815	116.4
2009	951	138.6
2010	909	137
2011	903	138.8
2012	969	148.6
2013	926	142.5
Rise %	260.85%	262.43%
Annualized	18.63%	18.75%

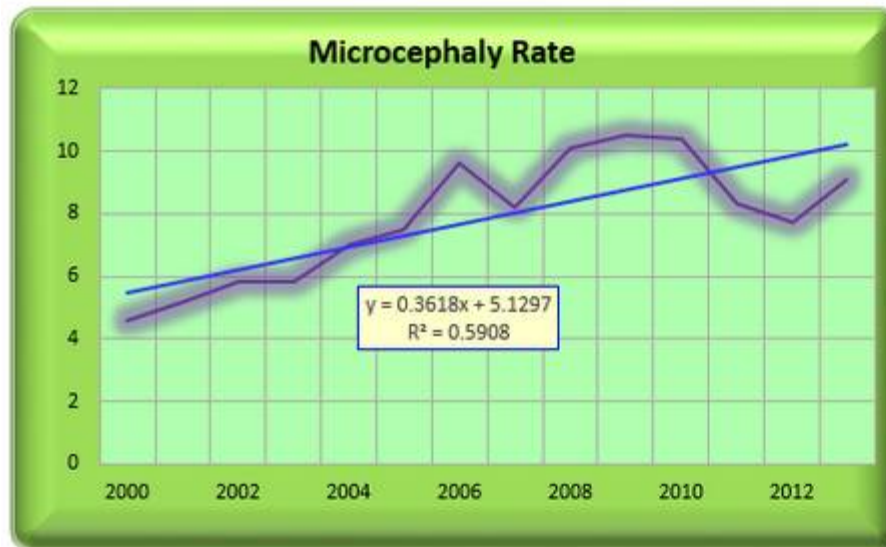
Microcephaly



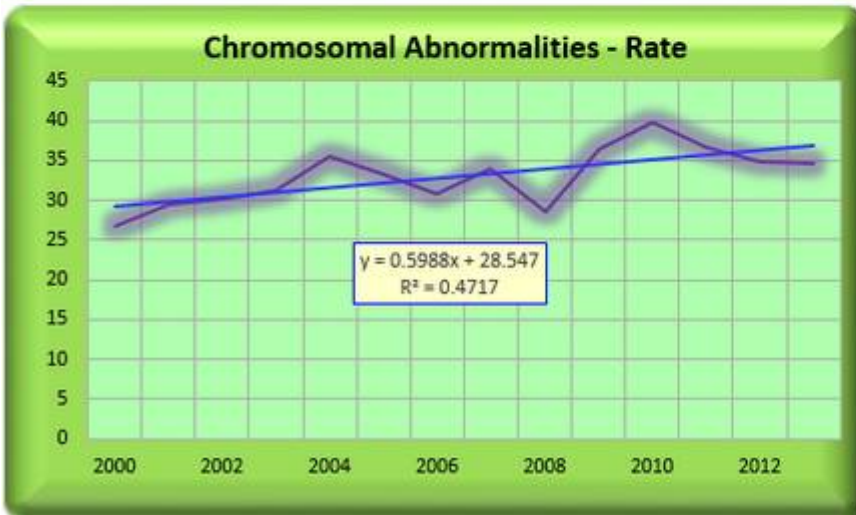
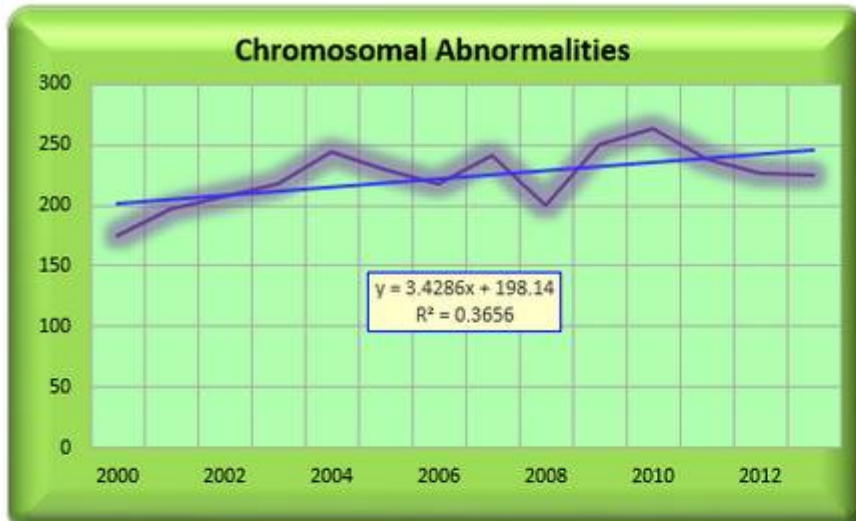
Microcephaly

Rates/ 10,000 Live births
(Excluding Terminations)

Year	Microcephaly No.	Microcephaly Rate
2000	30	4.6
2001	35	5.2
2002	40	5.8
2003	40	5.8
2004	48	7
2005	52	7.5
2006	68	9.6
2007	58	8.2
2008	71	10.1
2009	72	10.5
2010	69	10.4
2011	69	8.3
2012	50	7.7
2013	59	9.1
Rise %	96.67%	97.83%
Annualized	6.90%	6.99%



Chromosomal Anomalies



Chromosomal Abnormalities

Rates/ 10,000 Live births
(Excluding Terminations)

Year	Chromosomal Abnormalities Number	Chromosomal Abnormalities Rate
2000	175	26.7
2001	197	29.4
2002	207	30.3
2003	217	31.3
2004	244	35.6
2005	230	33.4
2006	218	30.8
2007	241	34.0
2008	200	28.6
2009	250	36.4
2010	264	39.8
2011	239	36.7
2012	227	34.8
2013	225	34.6
Rise %	28.57%	29.41%
Annualized	2.04%	2.10%

Stationary Time Trends

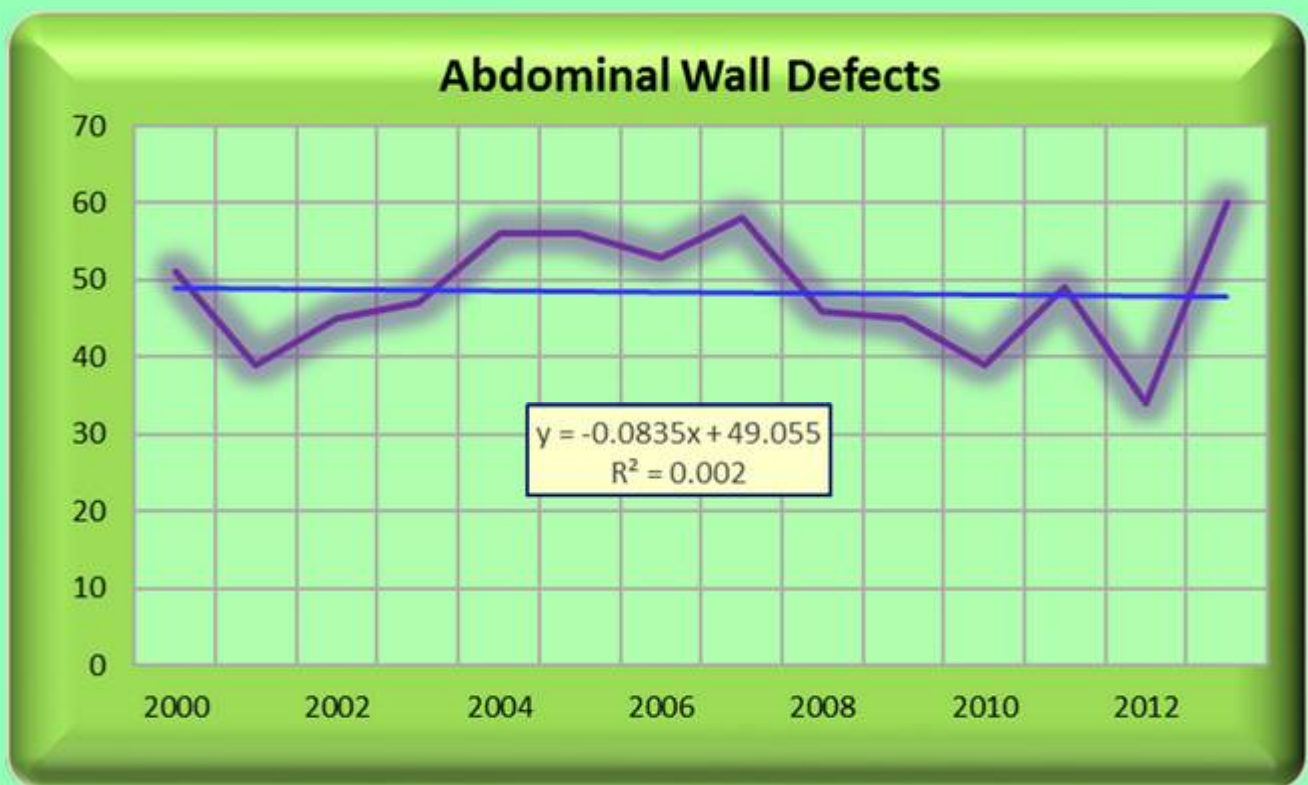
*Colorado
2000-2013*

<http://www.chd.dphe.state.co.us/cohid/>
<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsql>

Cleft Lip +/- Palate



Abdominal Wall Defects

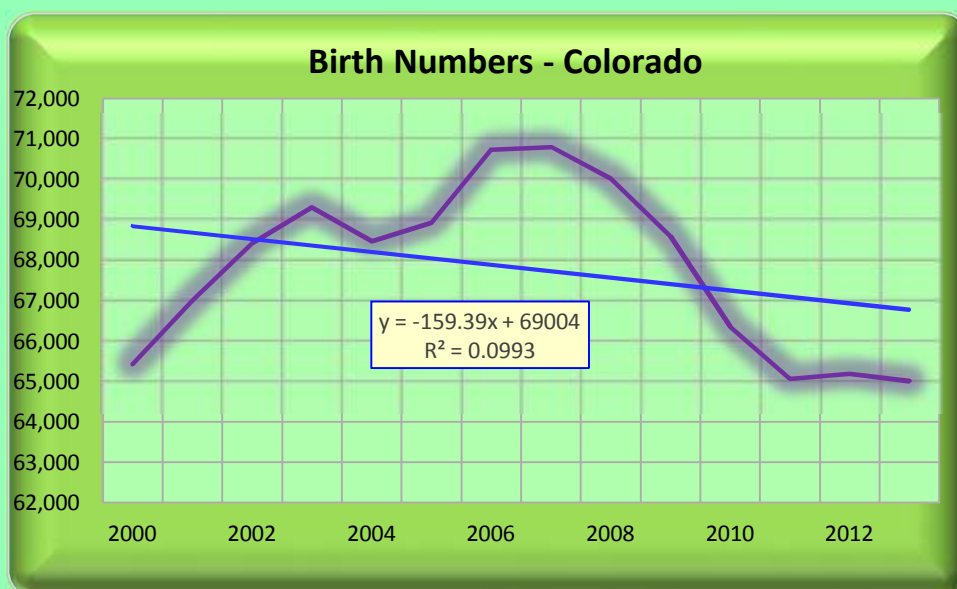


Cumulative Effects

Colorado
2000-2013

<http://www.chd.dphe.state.co.us/cohid/>
<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsrl>

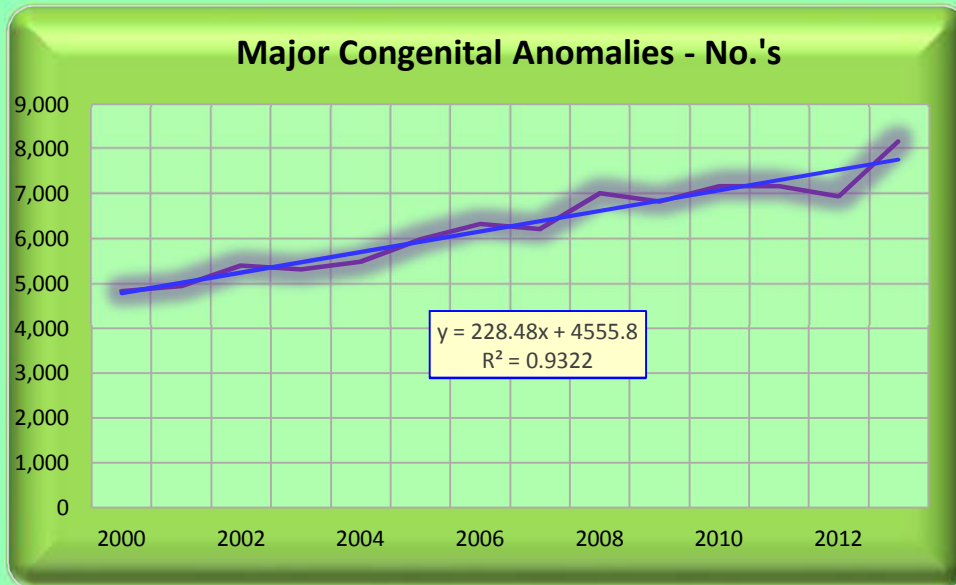
Cumulative Effects - Births



Year	Births	Projected	Difference
2000	65429	65429	0
2001	67006	65429	1577
2002	68420	65429	2991
2003	69304	65429	3875
2004	68475	65429	3046
2005	68922	65429	3493
2006	70737	65429	5308
2007	70804	65429	5375
2008	70028	65429	4599
2009	68602	65429	3173
2010	66346	65429	917
2011	65052	65429	-377
2012	65188	65429	-241
2013	65004	65429	-425
Cumulative	949317	916006	33311
% Change			3.6%
Annualized			0.26%

<http://www.chd.dphe.state.co.us/cohid/>
<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsql>

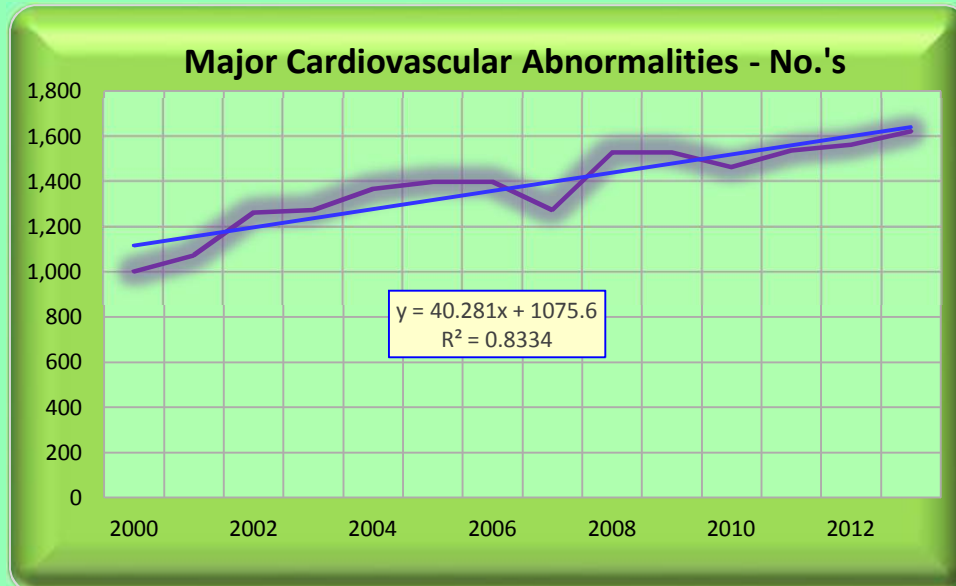
Cumulative Effects - All Major Defects



Year	Majors	Projection	Difference
2000	4830	4830	0
2001	4942	4830	112
2002	5406	4830	576
2003	5311	4830	481
2004	5482	4830	652
2005	5978	4830	1148
2006	6325	4830	1495
2007	6213	4830	1383
2008	7010	4830	2180
2009	6826	4830	1996
2010	7171	4830	2341
2011	7174	4830	2344
2012	6939	4830	2109
2013	8165	4830	3335
Cumulative	87772	67620	20152
% Change			29.8%

<http://www.chd.dphe.state.co.us/cohid/>
<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsql>

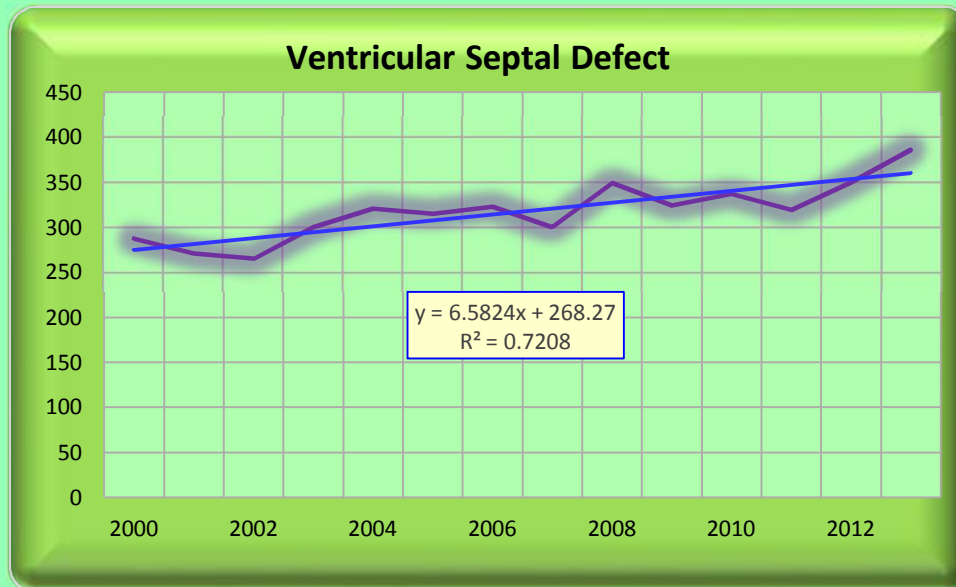
Cumulative Effects - All CVS Anomalies



Year	CVS	Projected	Difference
2000	1002	1002	0
2001	1071	1002	69
2002	1263	1002	261
2003	1273	1002	271
2004	1368	1002	366
2005	1398	1002	396
2006	1397	1002	395
2007	1274	1002	272
2008	1530	1002	528
2009	1528	1002	526
2010	1464	1002	462
2011	1536	1002	534
2012	1562	1002	560
2013	1622	1002	620
Cumulative	19288	14028	5260
% Change			37.5%

<http://www.chd.dphe.state.co.us/cohid/>
<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsql>

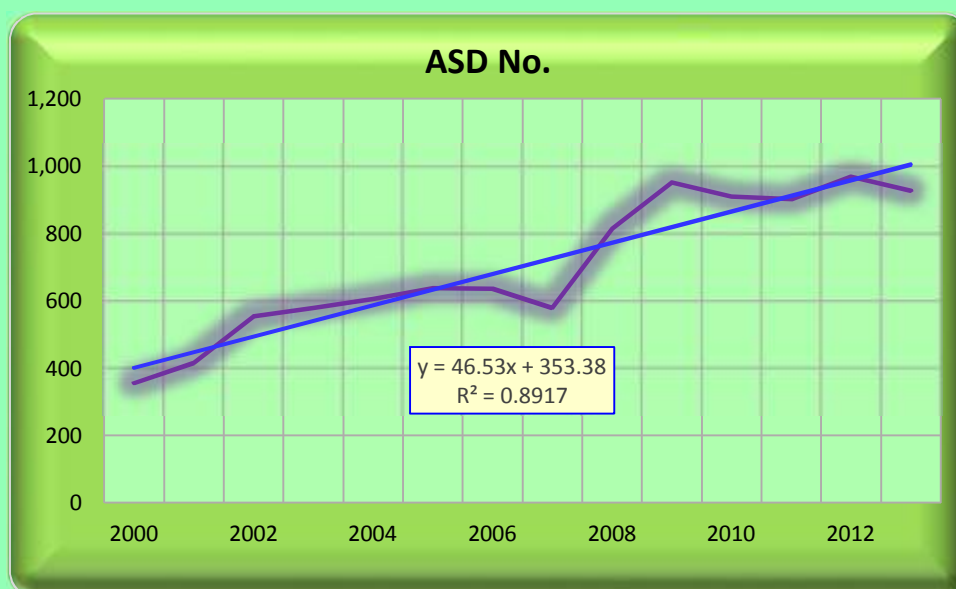
Cumulative Effects - VSD



Year	VSD	Projected	Difference
2000	287	271	16
2001	271	271	0
2002	265	271	-6
2003	300	271	29
2004	321	271	50
2005	315	271	44
2006	323	271	52
2007	300	271	29
2008	349	271	78
2009	324	271	53
2010	337	271	66
2011	319	271	48
2012	350	271	79
2013	386	271	115
Cumulative	4447	3794	653
% Change			17.2%

<http://www.chd.dphe.state.co.us/cohid/>
<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsql>

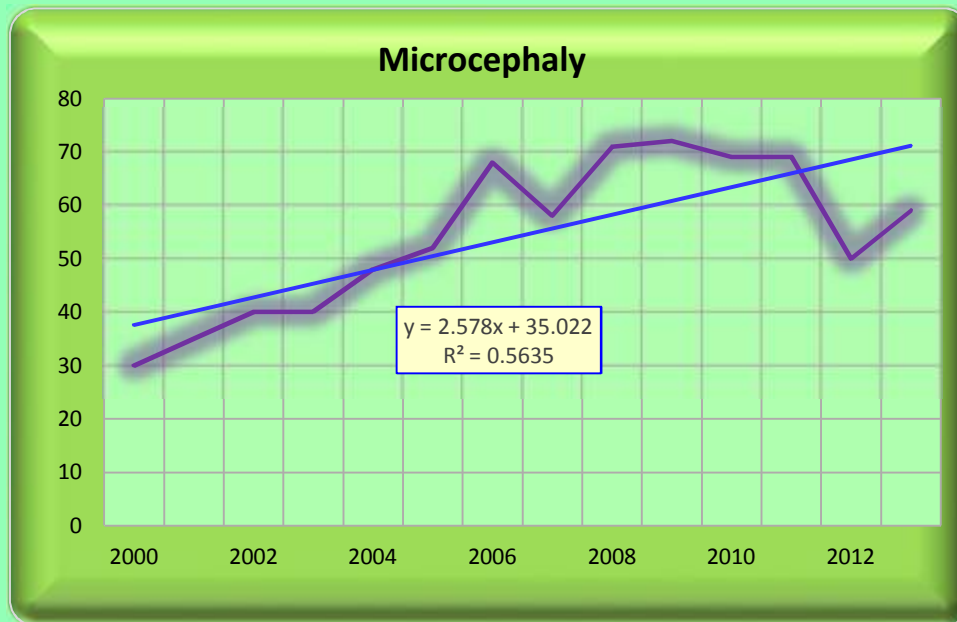
Cumulative Effects - ASD - Secundum



Year	ASD No.	Projection	Difference
2000	355	355	0
2001	415	355	60
2002	554	355	199
2003	579	355	224
2004	606	355	251
2005	637	355	282
2006	635	355	280
2007	579	355	224
2008	815	355	460
2009	951	355	596
2010	909	355	554
2011	903	355	548
2012	969	355	614
2013	926	355	571
Cumulative	9833	4970	4863
% Change			97.8%

<http://www.chd.dphe.state.co.us/cohid/>
<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsql>

Cumulative Effects - Microcephaly

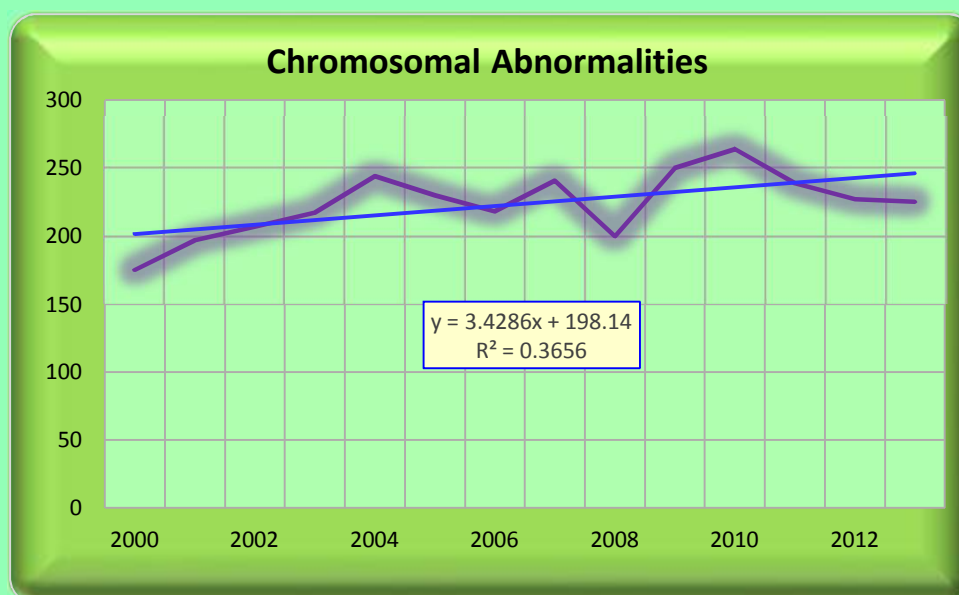


Year	Majors	Projection	Difference
2000	4830	4830	0
2001	4942	4830	112
2002	5406	4830	576
2003	5311	4830	481
2004	5482	4830	652
2005	5978	4830	1148
2006	6325	4830	1495
2007	6213	4830	1383
2008	7010	4830	2180
2009	6826	4830	1996
2010	7171	4830	2341
2011	7174	4830	2344
2012	6939	4830	2109
2013	8165	4830	3335
Cumulative	87772	67620	20152
% Change			29.8%

<http://www.chd.dphe.state.co.us/cohid/>
<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsql>

Cumulative Effects

- Chromosomal Abnormalities



Year	Chromosomal Abnormalities Number	Projection	Difference
2000	175	175	0
2001	197	175	22
2002	207	175	32
2003	217	175	42
2004	244	175	69
2005	230	175	55
2006	218	175	43
2007	241	175	66
2008	200	175	25
2009	250	175	75
2010	264	175	89
2011	239	175	64
2012	227	175	52
2013	225	175	50
Cumulative	3134	2450	684
% Change			27.9%

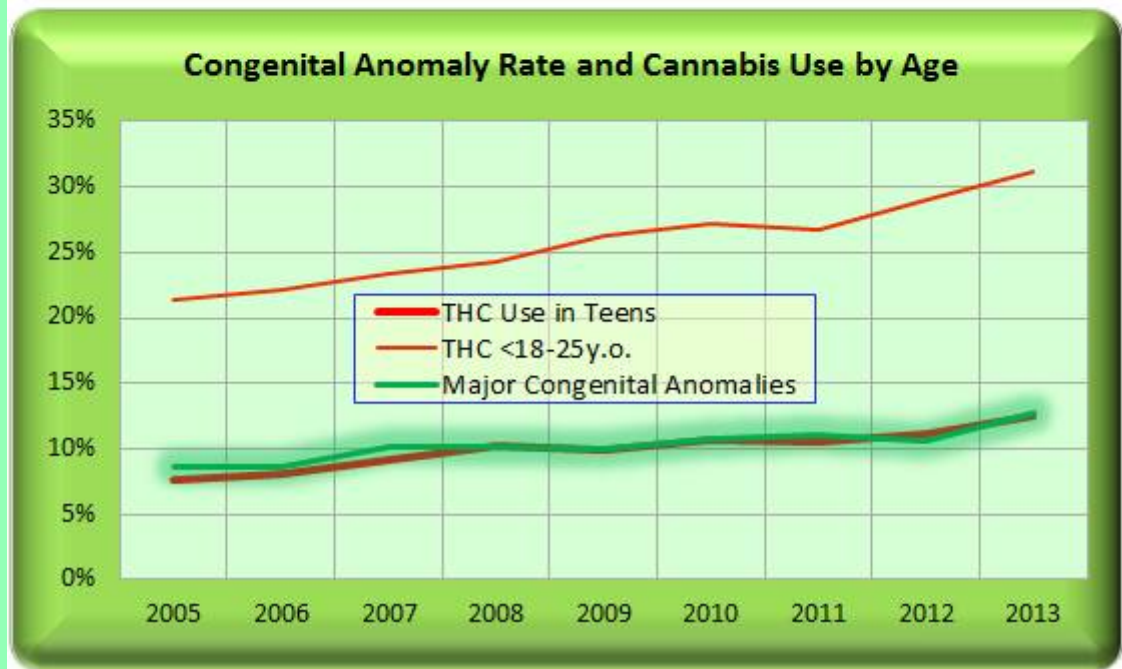
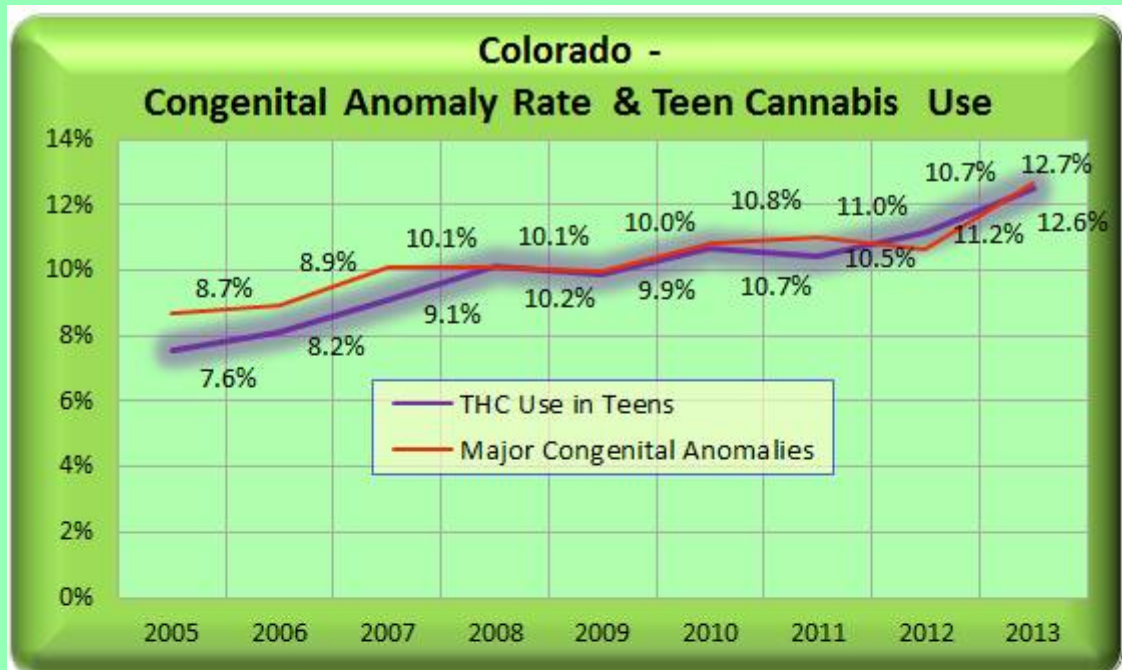
<http://www.chd.dphe.state.co.us/cohid/>
<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsql>

Overall Cumulative Summary

*Colorado
2000-2013*

<http://www.chd.dphe.state.co.us/cohid/>
<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsqli>

Close Correlation between Cannabis Consumption and Congenital Anomalies Rates

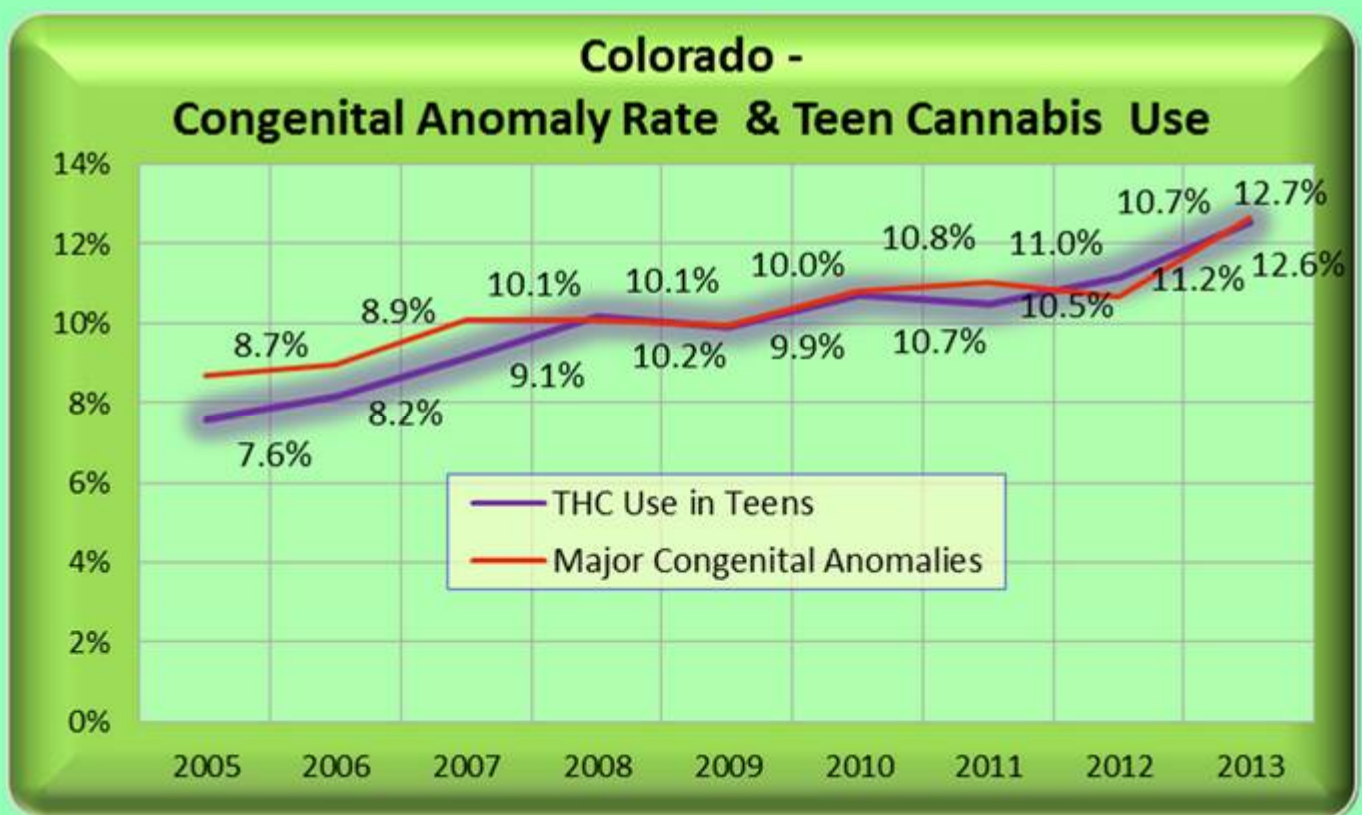


<http://www.chd.dphe.state.co.us/cohid/>

<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsql>

<https://www.samhsa.gov/data/sites/default/files/NSDUH-FFR1-2016/NSDUH-FFR1-2016.pdf>

Close Correlation between Cannabis Consumption and Congenital Anomalies Rates



Correlation == 0.9539
P == 0.00006594

```
> cor.test (a,x, alternative="two.sided",  
+          method="pearson", exact=TRUE, conf.level = 0.95)  
  
Pearson's product-moment correlation  
  
data:  a and x  
t = 8.4142, df = 7, p-value = 6.594e-05  
alternative hypothesis: true correlation is not equal to 0  
95 percent confidence interval:  
 0.7908924 0.9905319  
sample estimates:  
      cor  
0.953952
```

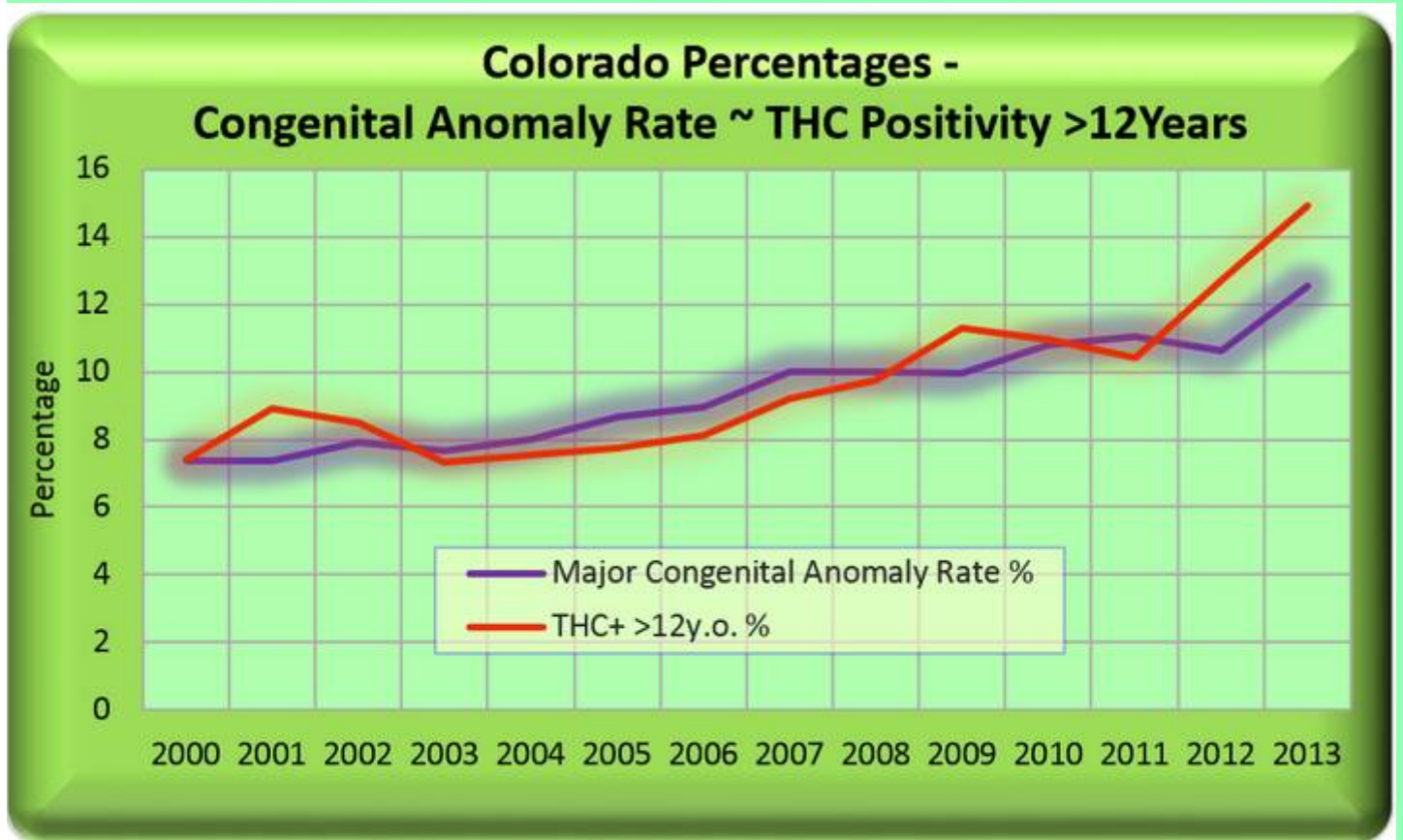
Young Adult Correlation == 0.9258
P == 0.0003457

```
> CTD
  Year THCTeens THC18.25 MeanUse Majors
1 2005   0.0760   0.2143   0.1452 0.0867
2 2006   0.0815   0.2221   0.1518 0.0894
3 2007   0.0913   0.2344   0.1629 0.1001
4 2008   0.1017   0.2428   0.1723 0.1001
5 2009   0.0991   0.2635   0.1813 0.0995
6 2010   0.1072   0.2726   0.1899 0.1081
7 2011   0.1047   0.2681   0.1864 0.1103
8 2012   0.1116   0.2905   0.2011 0.1065
9 2013   0.1256   0.3124   0.2190 0.1265
>
> x <- CTD$THCTeens
> y <- CTD$THC18.25
> z <- CTD$MEanUse
> a <- CTD$Majors
>
> cor.test (a,y, alternative="two.sided",
+           method="pearson", exact=TRUE, conf.level = 0.95)

Pearson's product-moment correlation

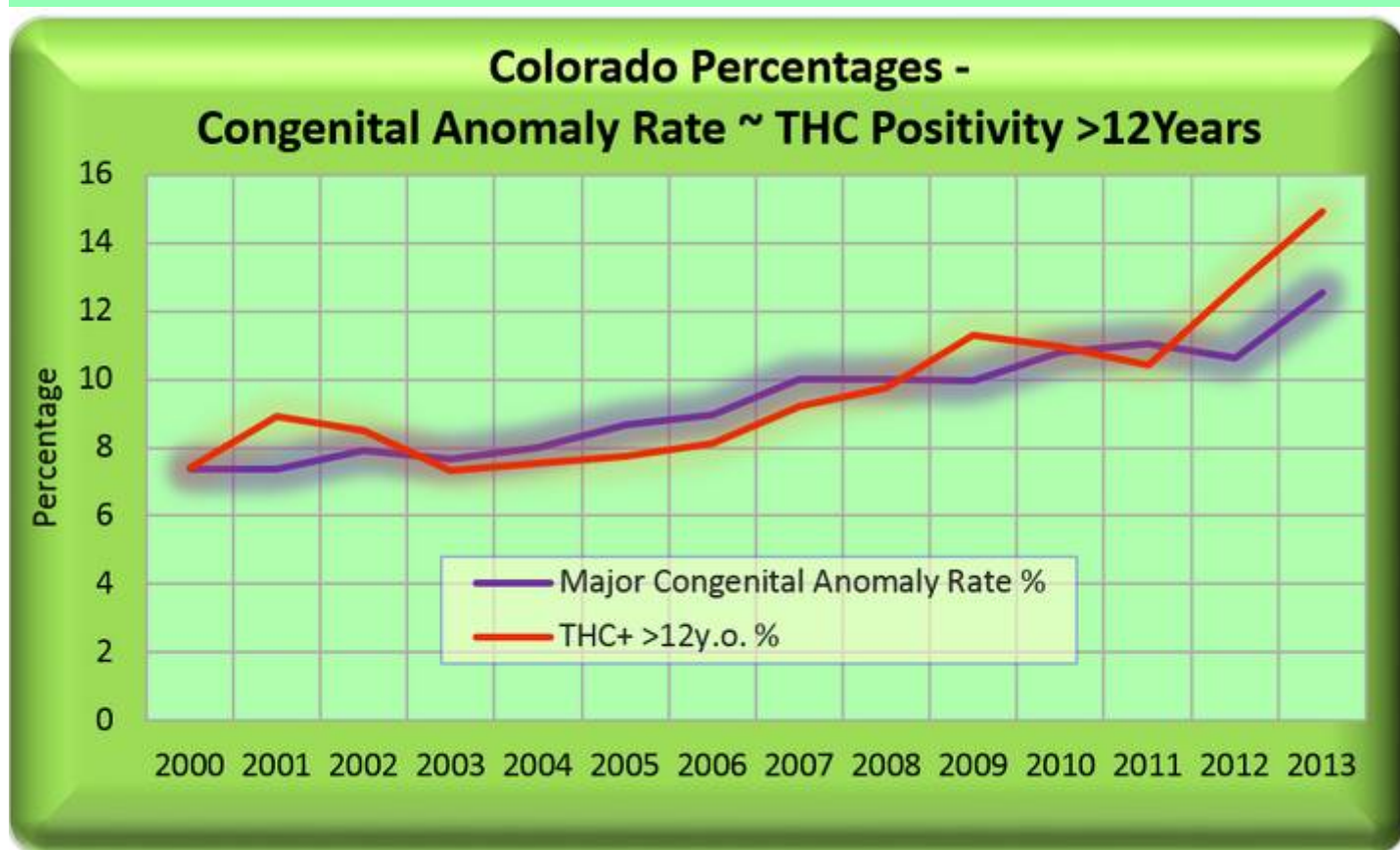
data:  a and y
t = 6.4639, df = 7, p-value = 0.0003457
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 0.6781881 0.9844974
sample estimates:
      cor
0.9254759
```

Close Correlation between Cannabis Consumption and Congenital Anomalies Rates



```
> cor.test (x,y, alternative="two.sided",  
+          method="pearson", exact=TRUE, conf.level = 0.95)  
  
Pearson's product-moment correlation  
  
data:  x and y  
t = 6.5002, df = 12, p-value = 2.936e-05  
alternative hypothesis: true correlation is not equal to 0  
95 percent confidence interval:  
 0.6618084 0.9624345  
sample estimates:  
      cor  
0.8825038
```

Colorado Percentages - Congenital Anomalies Rates & Cannabis Consumption Rates >12 Years



www.samhsa.gov

<http://www.chd.dphe.state.co.us/cohid/>

<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsrl>

<https://www.samhsa.gov/data/sites/default/files/NSDUH-FFR1-2016/NSDUH-FFR1-2016.pdf>

Cumulative Overall Effects

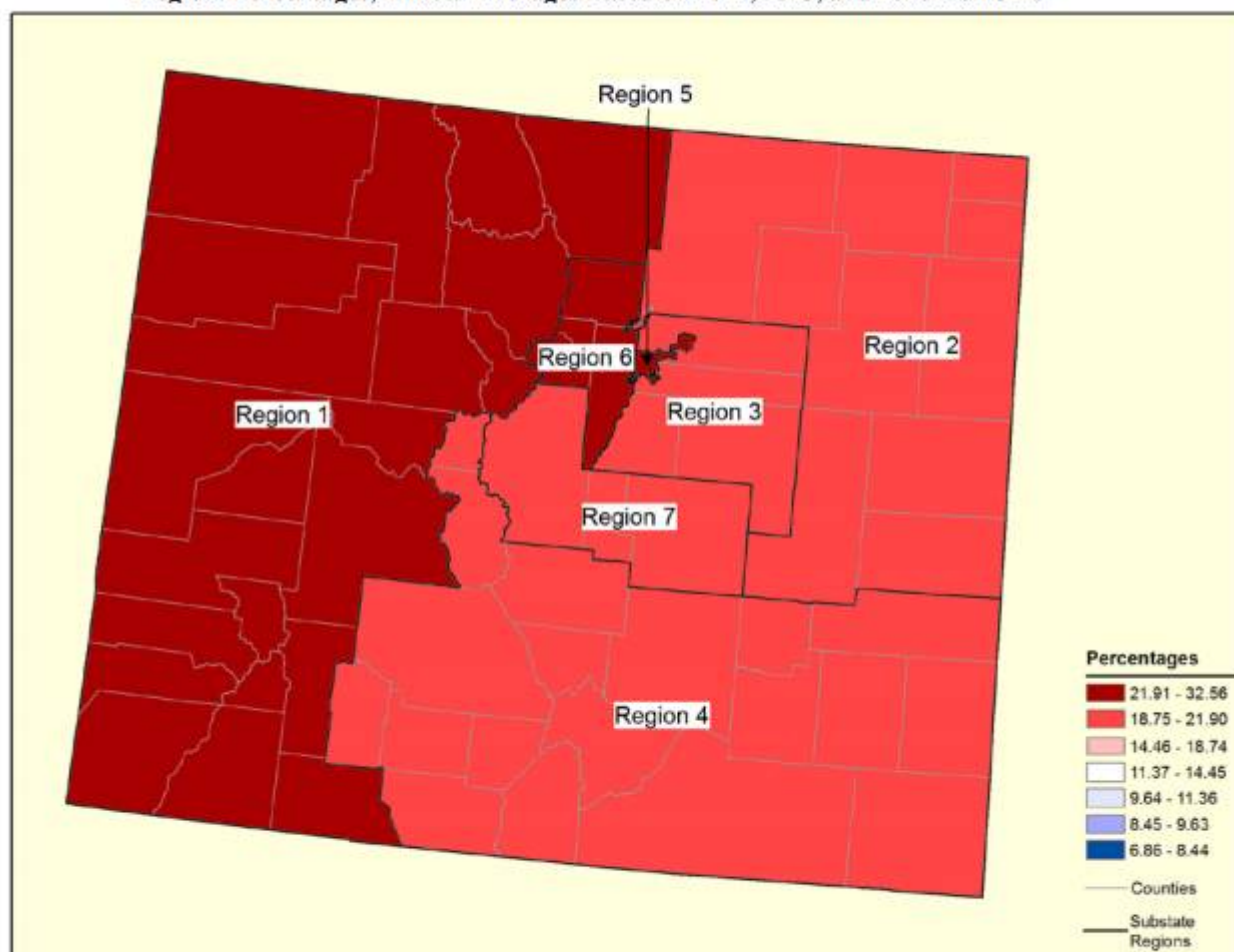
Anomaly	Cumulative Total 2000-2013	Projected Total from Baseline	Excess Above Baseline	% Change 2000-2013	Increase Relative to Births
Births	949,317	916,006	33,311	3.6%	1.00
Major Congenital Defects	87,772	67,620	20,152	29.8%	8.20
Major CVS	19,288	14,028	5,260	37.5%	10.31
VSD	4,447	3,794	653	17.2%	4.73
ASD-Secundum	9,833	4,970	4,863	97.8%	26.91
Microcephaly	761	420	341	81.2%	22.33
Chromosomal	3,134	2,450	684	27.9%	7.68

Colorado Drug Use Trends Over Time

NSDUH - SAMHSA

2014-2016 LYear

Figure 6.1 Marijuana Use in the Past Year among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs

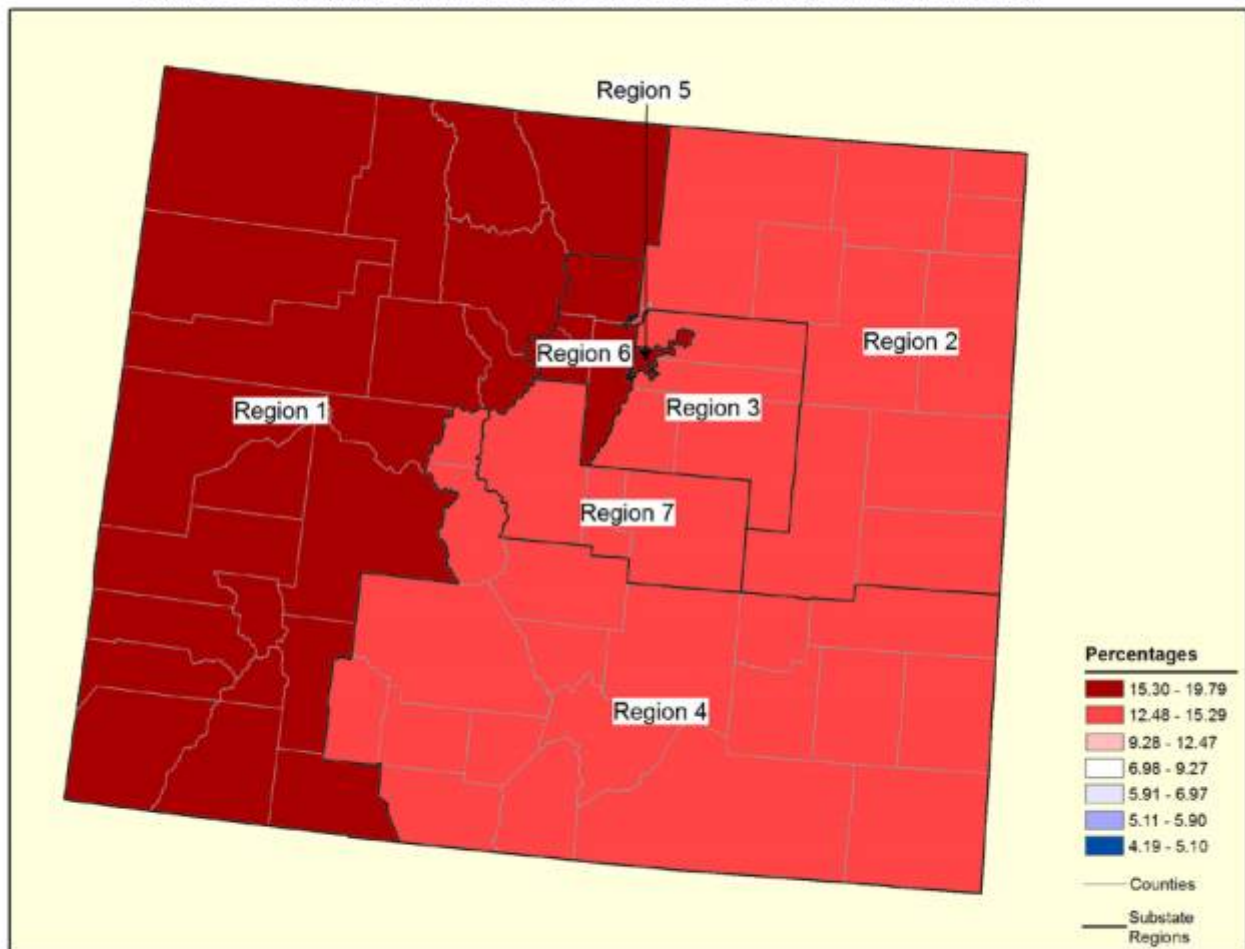


NOTE: The legend's ranges were created by dividing 395 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2014-2016 National Survey on Drug Use and Health Substate Region Definitions" at <https://www.samhsa.gov/data/>.

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

LMonth

Figure 6.2 *Marijuana Use in the Past Month* among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs

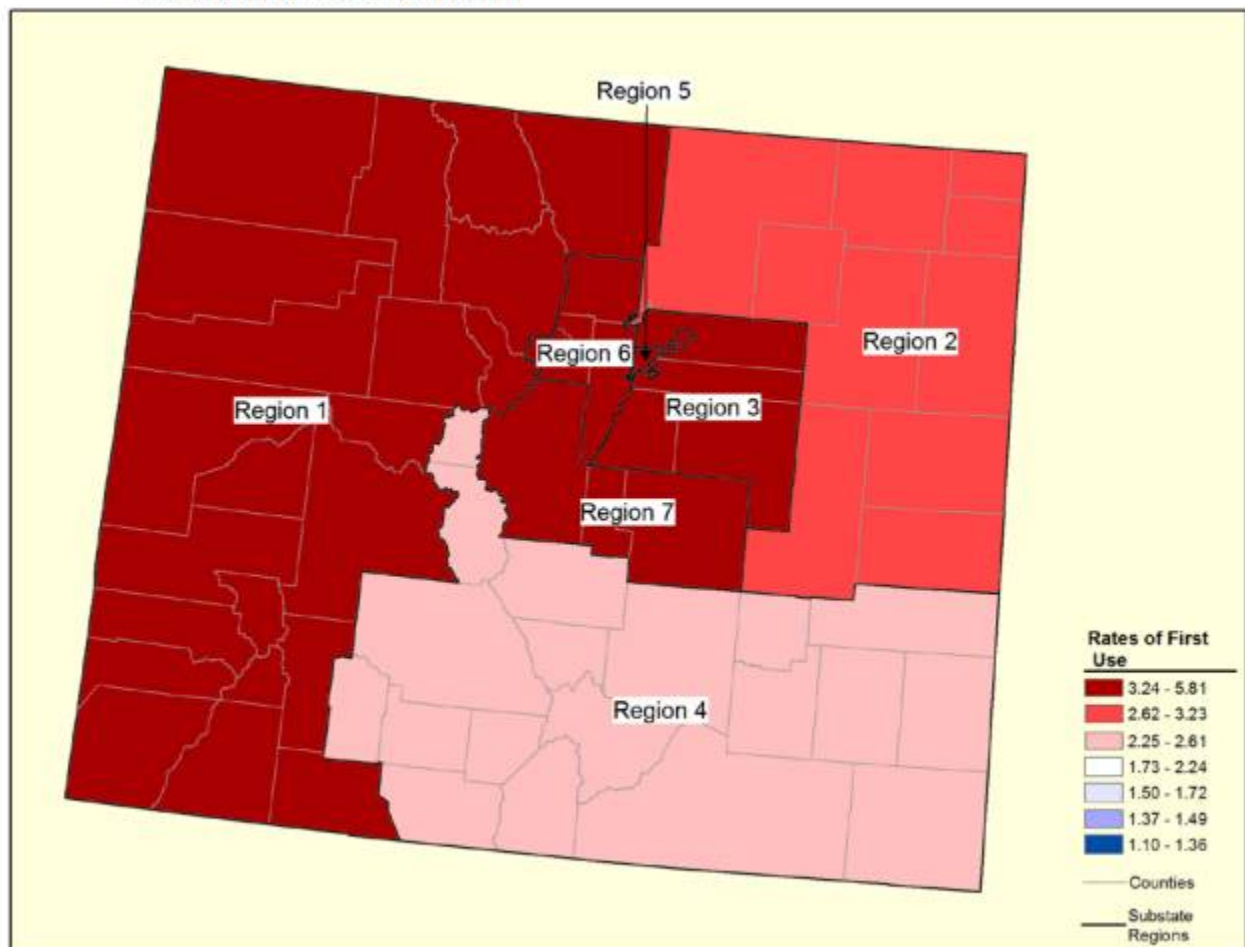


NOTE: The legend's ranges were created by dividing 395 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2014-2016 National Survey on Drug Use and Health Substate Region Definitions" at <https://www.samhsa.gov/data/>.

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

First Use THC

Figure 6.3 *First Use of Marijuana* among Individuals Aged 12 or Older in Colorado, by Substate Region: Average Annual Incidence Estimates (Expressed as Percentages of the At-Risk Population) Based on 2014, 2015, and 2016 NSDUHs

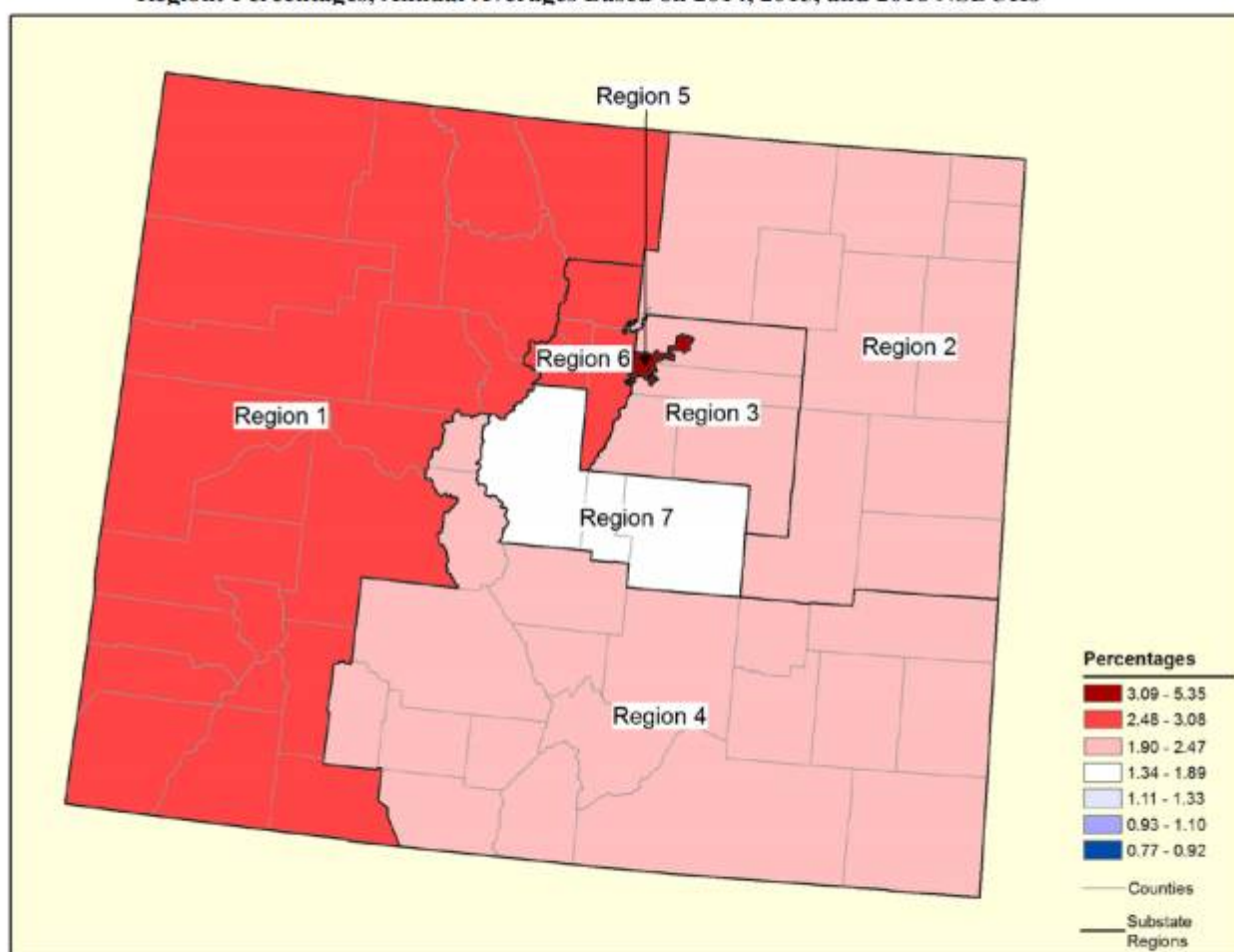


NOTE: The legend's ranges were created by dividing 395 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2014-2016 National Survey on Drug Use and Health Substate Region Definitions" at <https://www.samhsa.gov/data/>.

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

Cocaine

Figure 6.4 Cocaine Use in the Past Year among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs

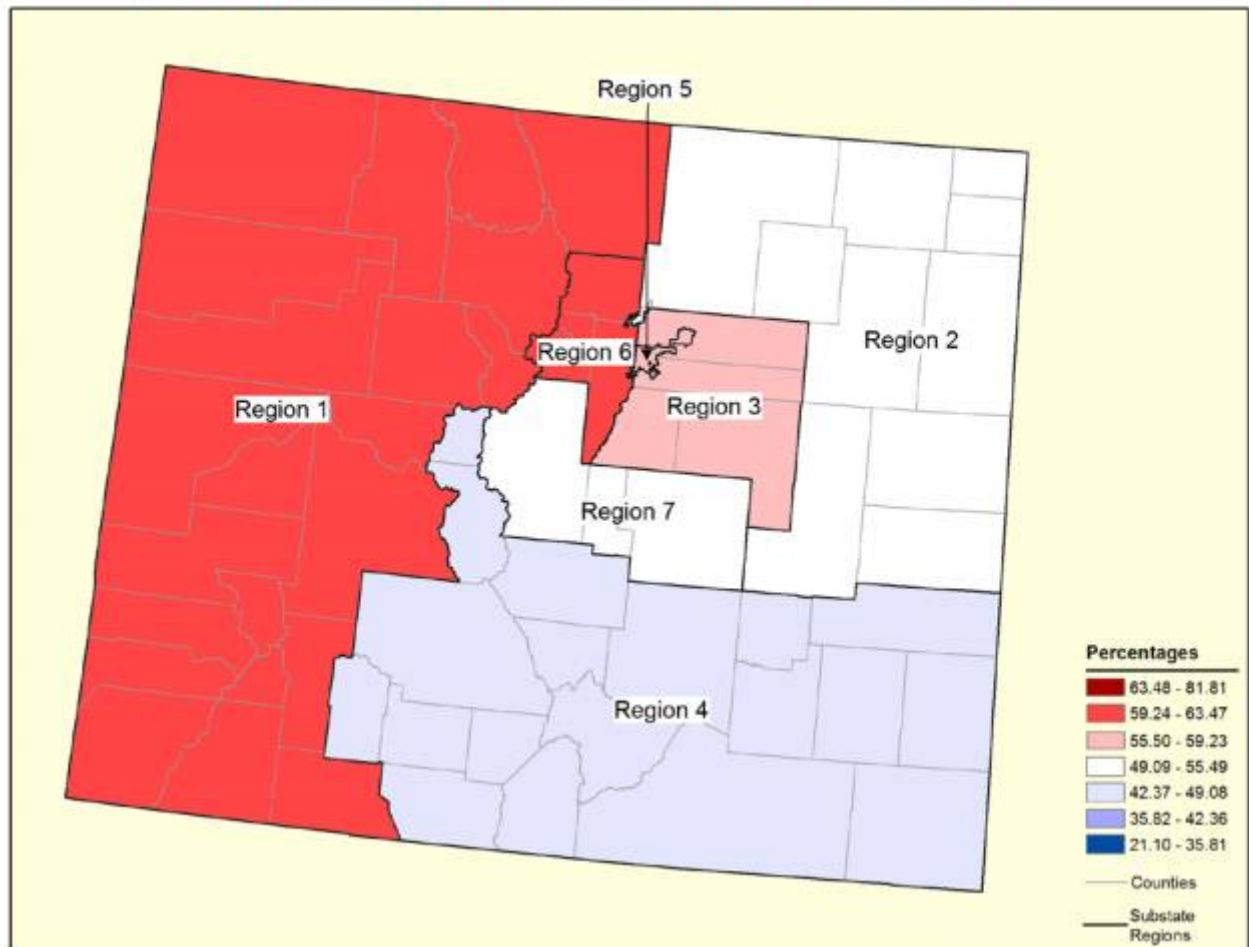


NOTE: The legend's ranges were created by dividing 395 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2014-2016 National Survey on Drug Use and Health Substate Region Definitions" at <https://www.samhsa.gov/data/>.

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

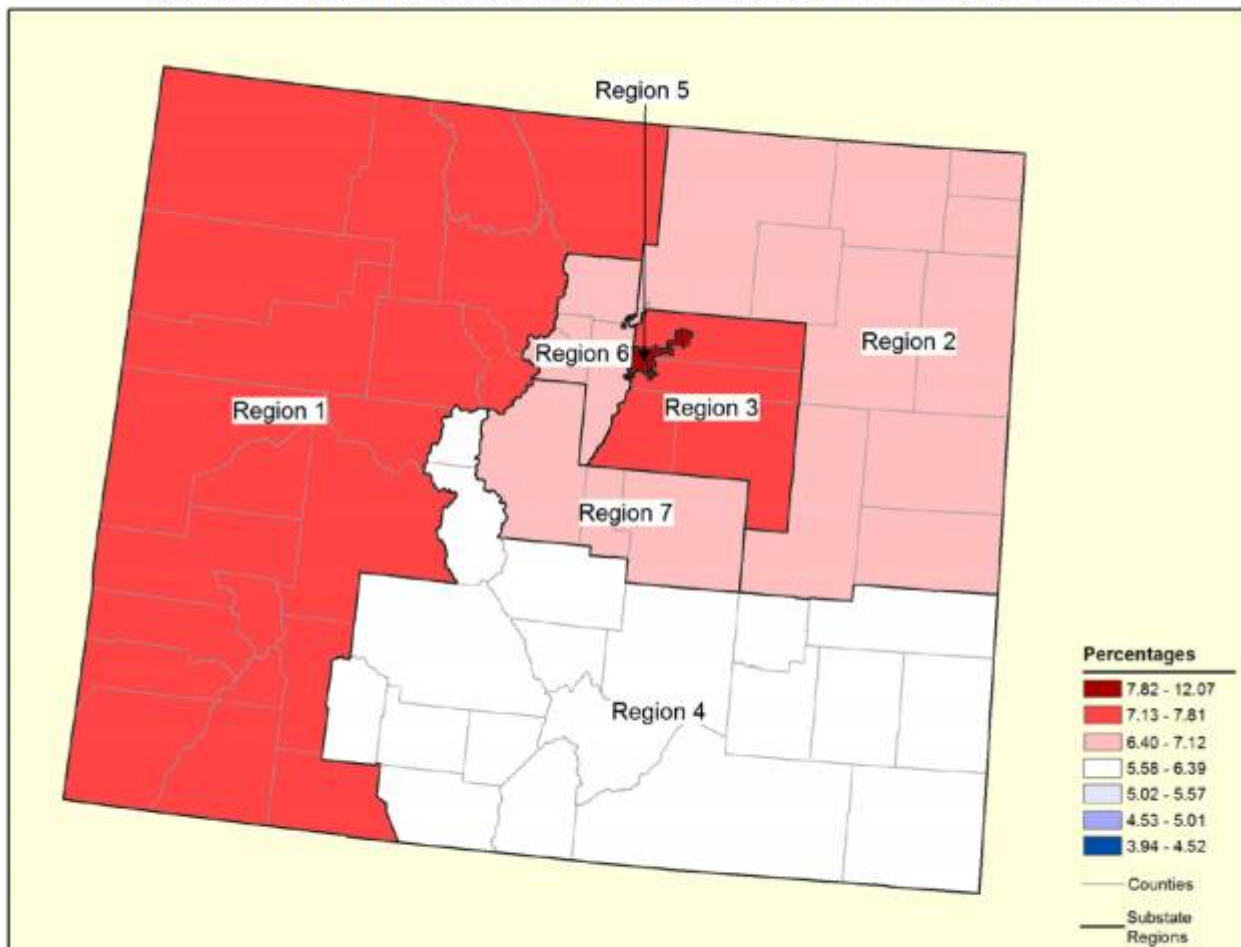
Alcohol

Figure 6.6 *Alcohol Use in the Past Month* among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs



Alcoholism

Figure 6.10 *Alcohol Use Disorder in the Past Year among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs*

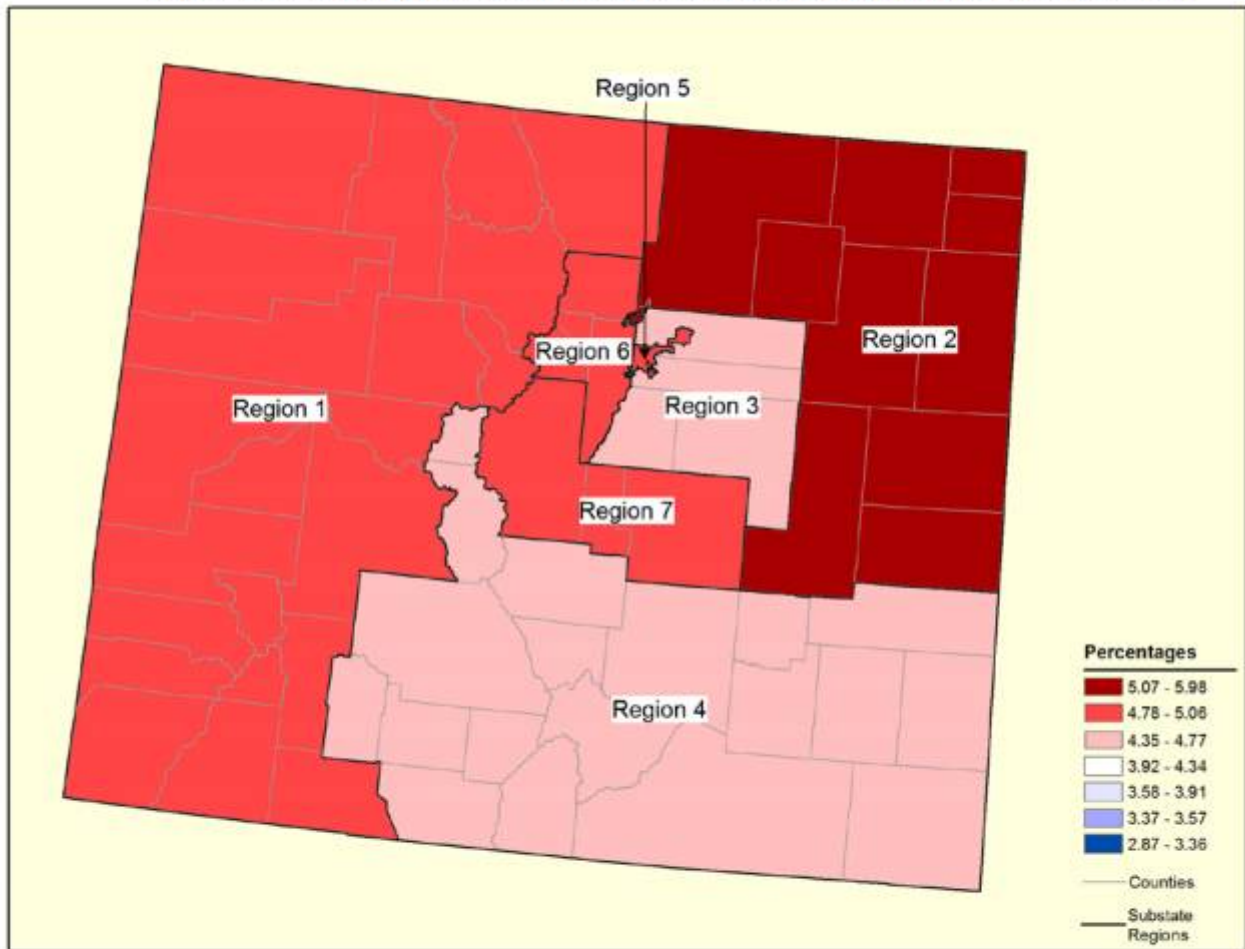


NOTE: The legend's ranges were created by dividing 395 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2014-2016 National Survey on Drug Use and Health Substate Region Definitions" at <https://www.samhsa.gov/data/>.

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

Suicidal

Figure 6.14 *Had Serious Thoughts of Suicide in the Past Year among Adults Aged 18 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs*

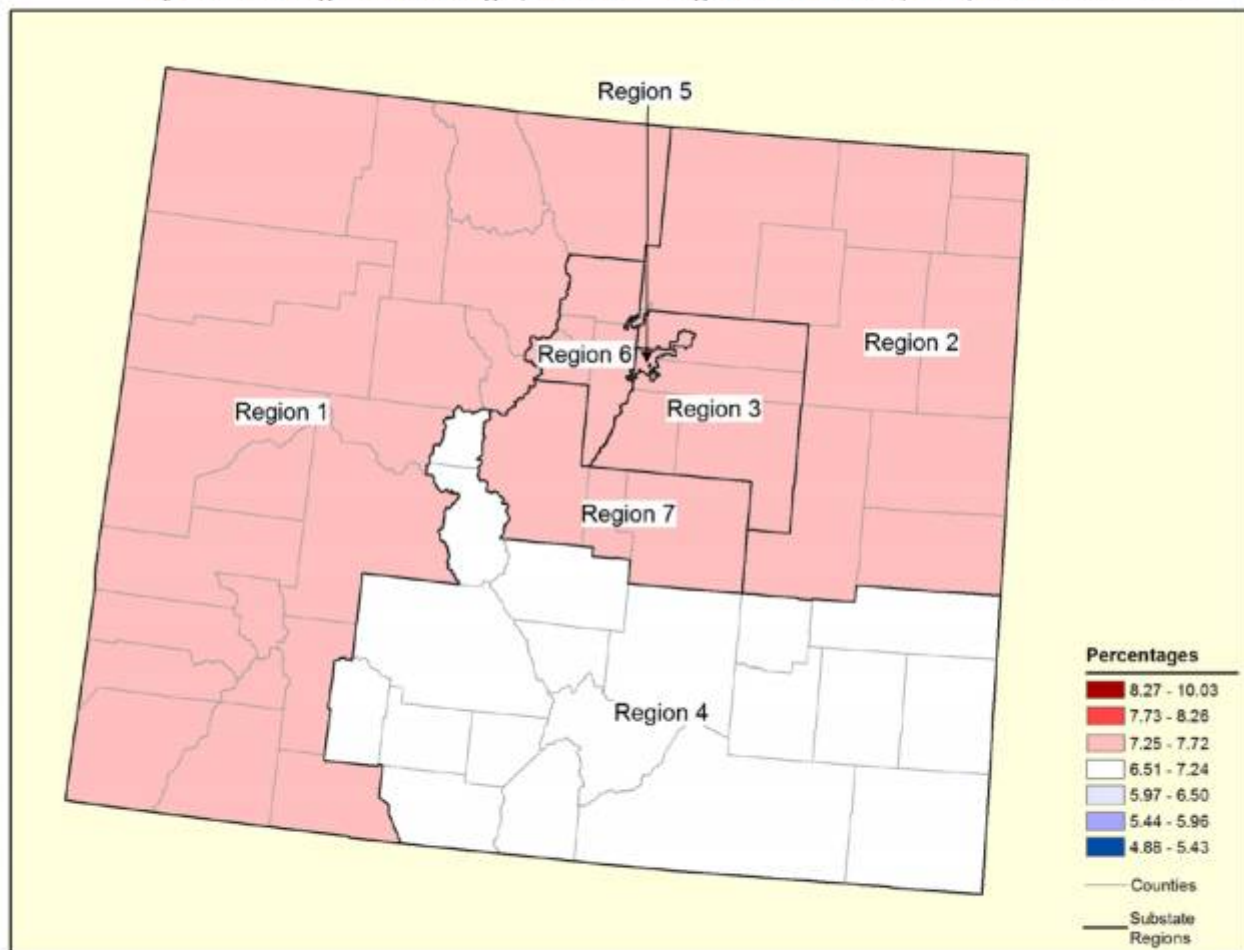


NOTE: The legend's ranges were created by dividing 395 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2014-2016 National Survey on Drug Use and Health Substate Region Definitions" at <https://www.samhsa.gov/data/>.

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

Depression

Figure 6.15 Major Depressive Episode in the Past Year among Adults Aged 18 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs

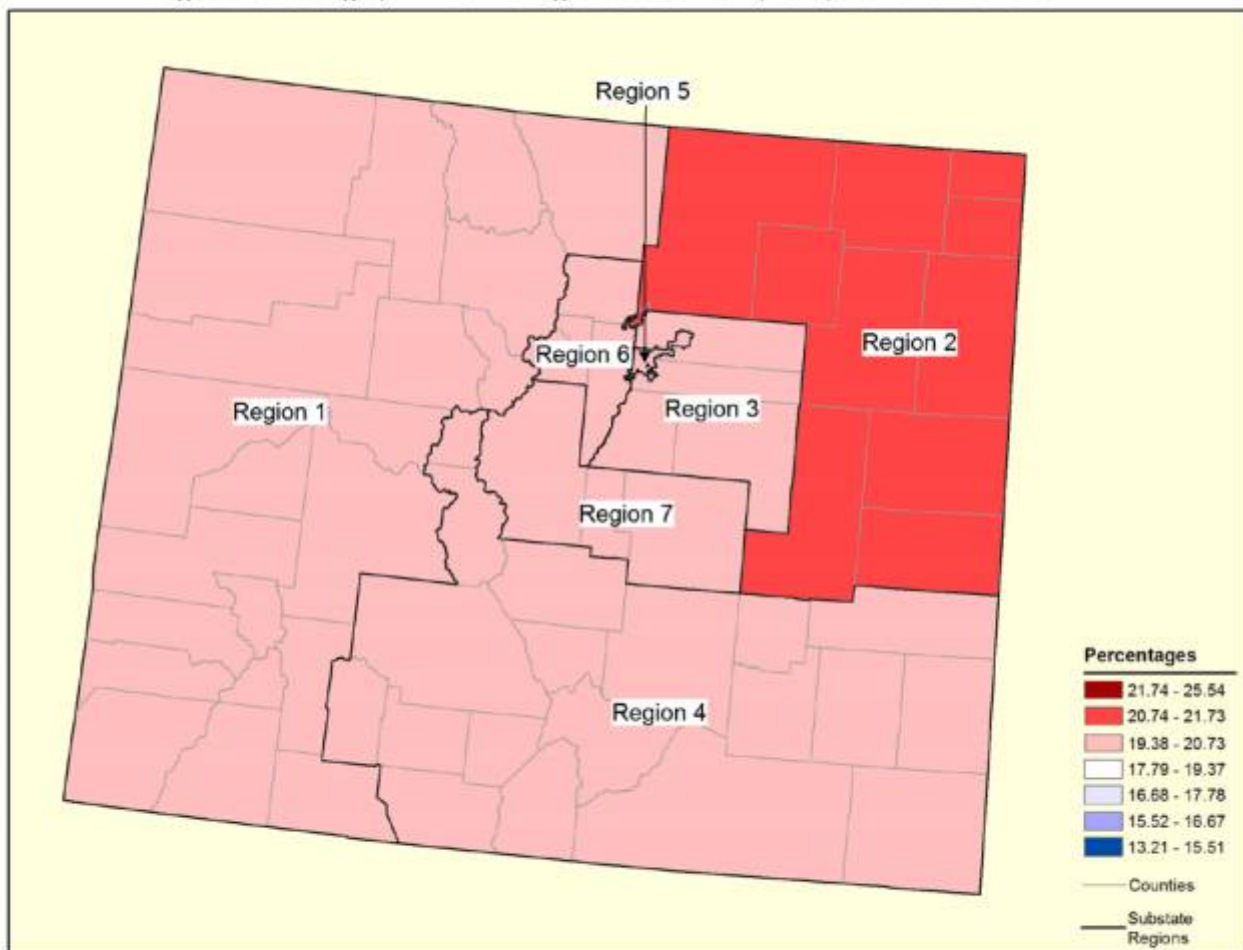


NOTE: The legend's ranges were created by dividing 395 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2014-2016 National Survey on Drug Use and Health Substate Region Definitions" at <https://www.samhsa.gov/data/>.

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

Any Mental Illness

Figure 6.12 *Any Mental Illness in the Past Year among Adults Aged 18 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2014, 2015, and 2016 NSDUHs*

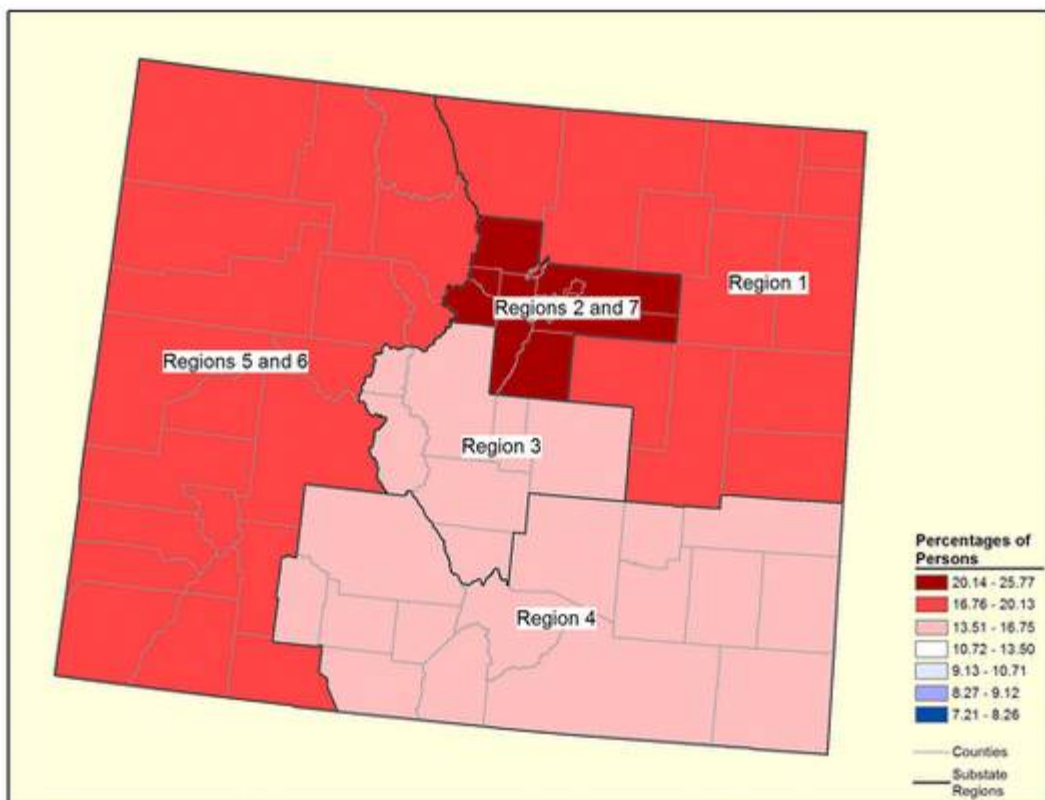


NOTE: The legend's ranges were created by dividing 395 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see the "2014-2016 National Survey on Drug Use and Health Substate Region Definitions" at <https://www.samhsa.gov/data/>.

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

Colorado THC LYear 2012-2014

Figure 6.2 Marijuana Use in the Past Year among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs

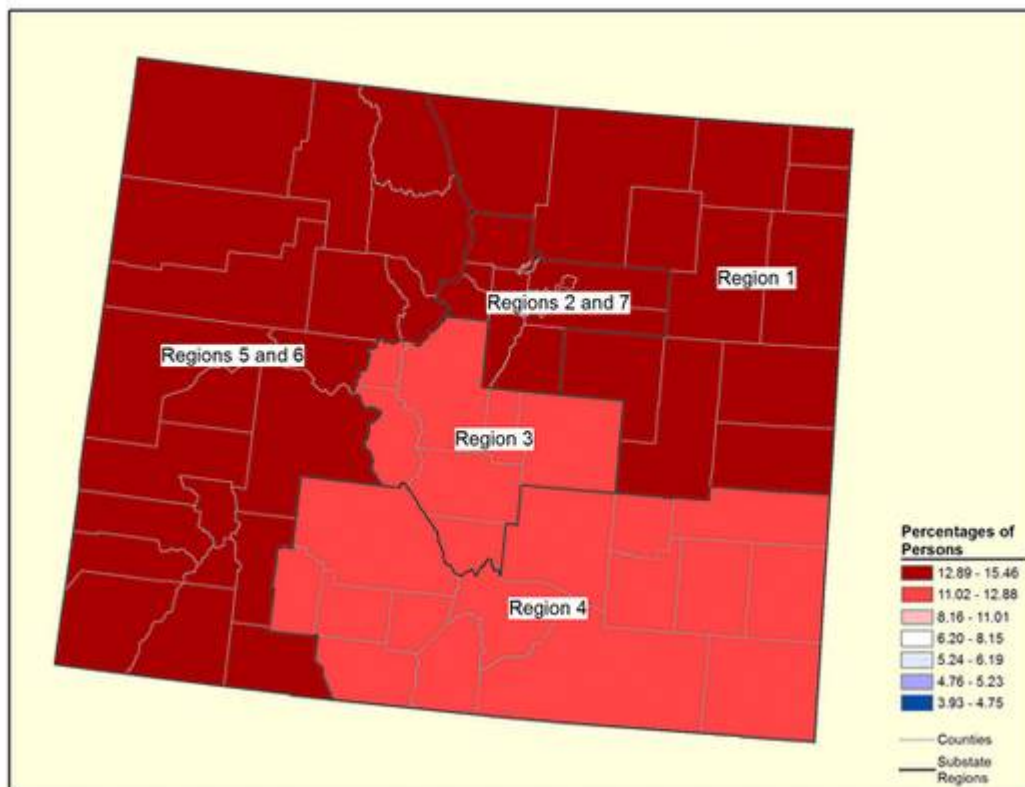


D

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

Colorado THC LMonth 2012-2014

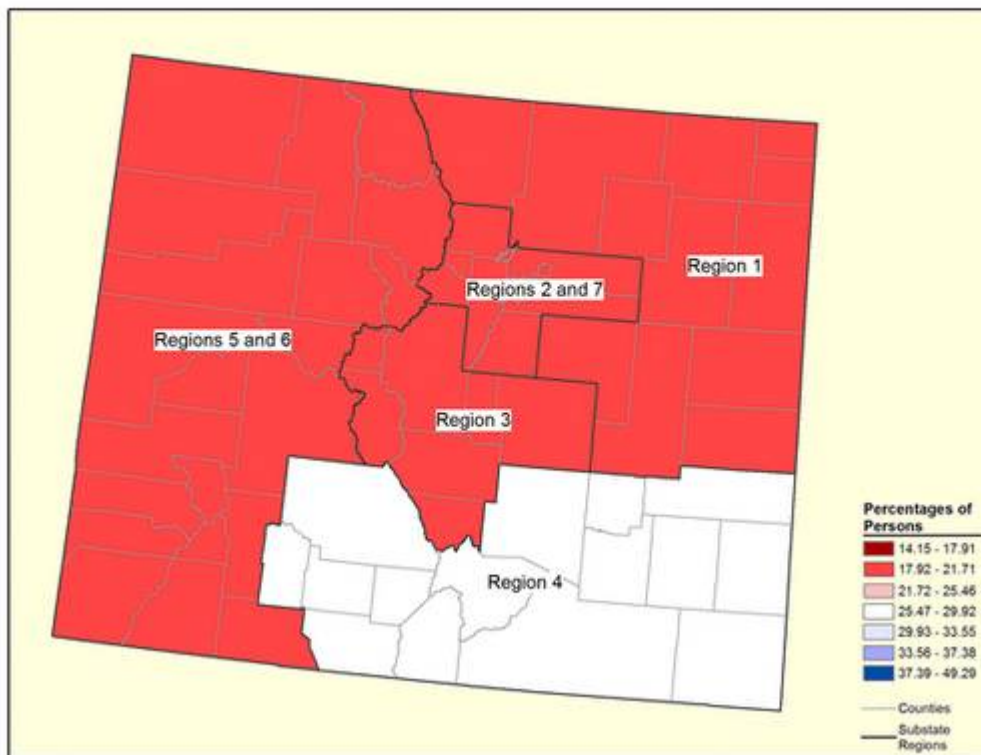
Figure 6.3 *Marijuana Use in the Past Month* among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs



D

Colorado THC Perceptions 2012-2014

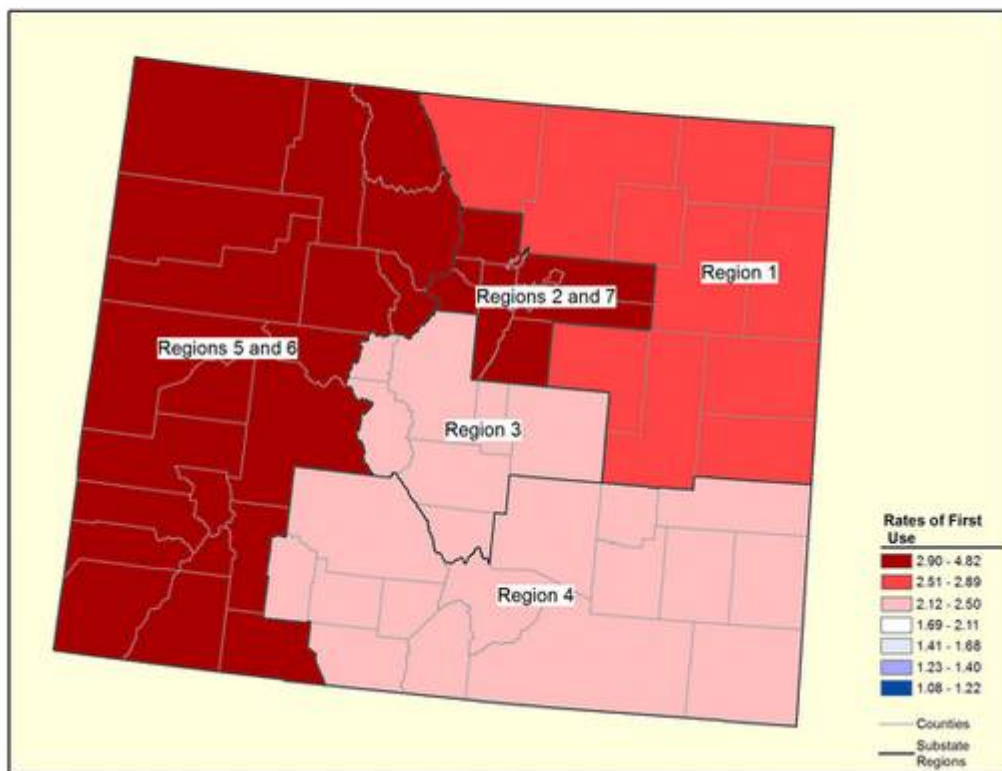
Figure 6.4 *Perceptions of Great Risk from Smoking Marijuana Once a Month* among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs



D

Colorado THC First Use 2012-2014

Figure 6.5 *First Use of Marijuana* among Individuals Aged 12 or Older in Colorado, by Substate Region: Average Annual Incidence Estimates (Expressed as Percentages of the At-Risk Population) Based on 2012, 2013, and 2014 NSDUHs

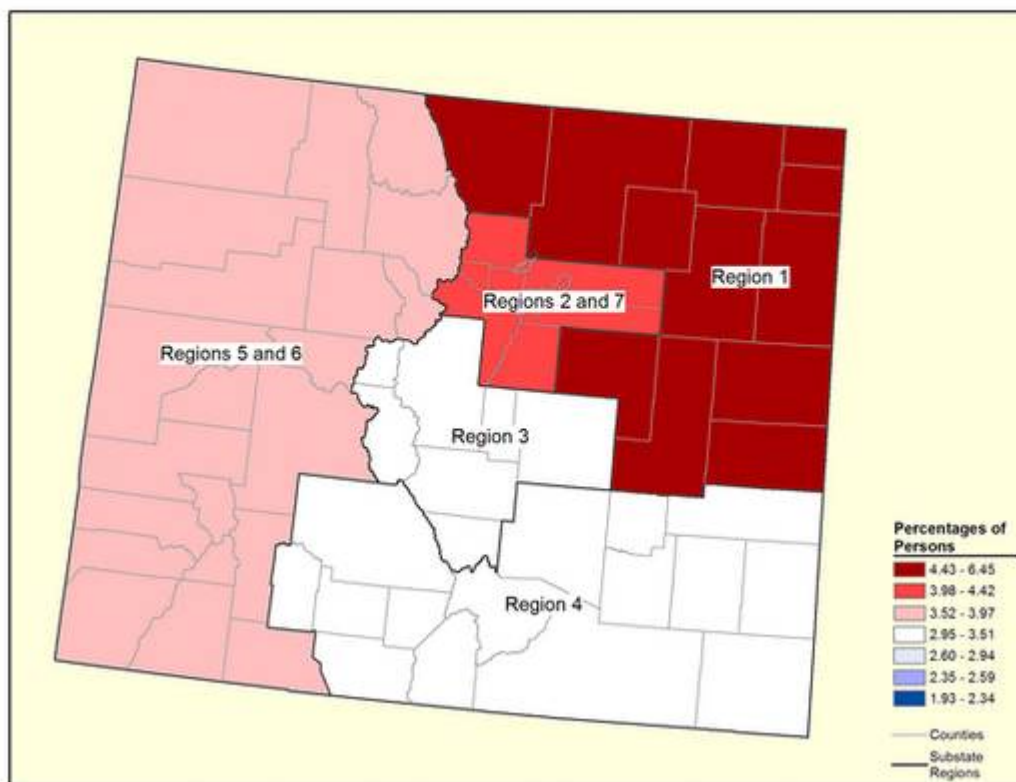


D

Other Illicits

2012-2014

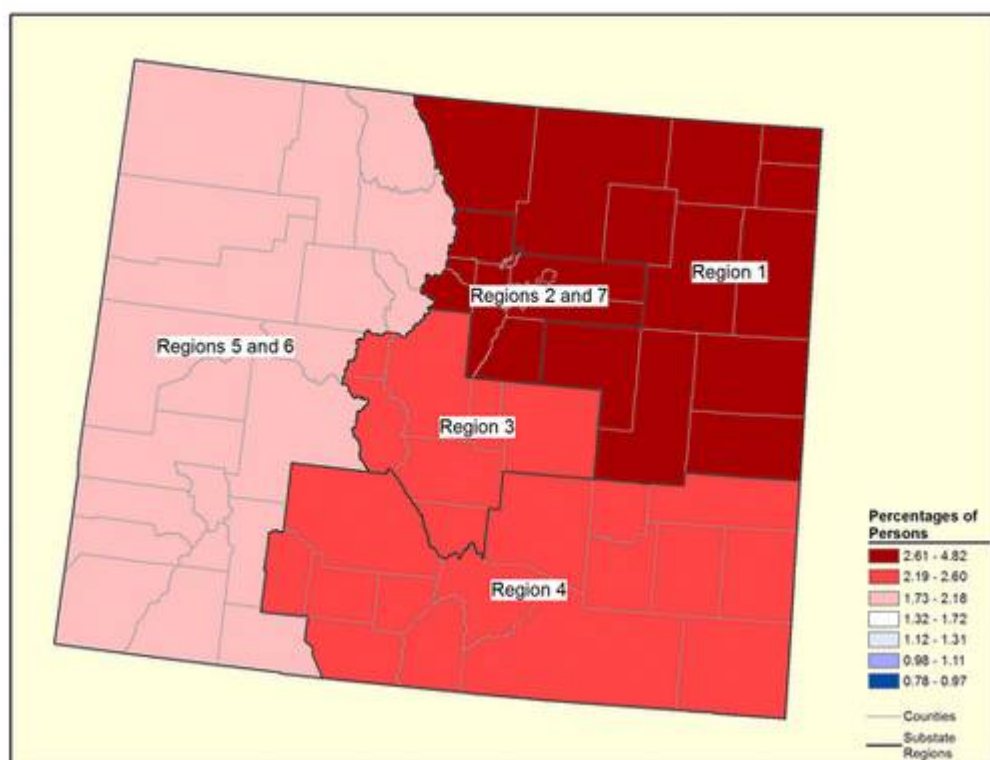
Figure 6.6 *Illicit Drug Use Other Than Marijuana in the Past Month* among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs



D

Colorado Cocaine 2012-2014

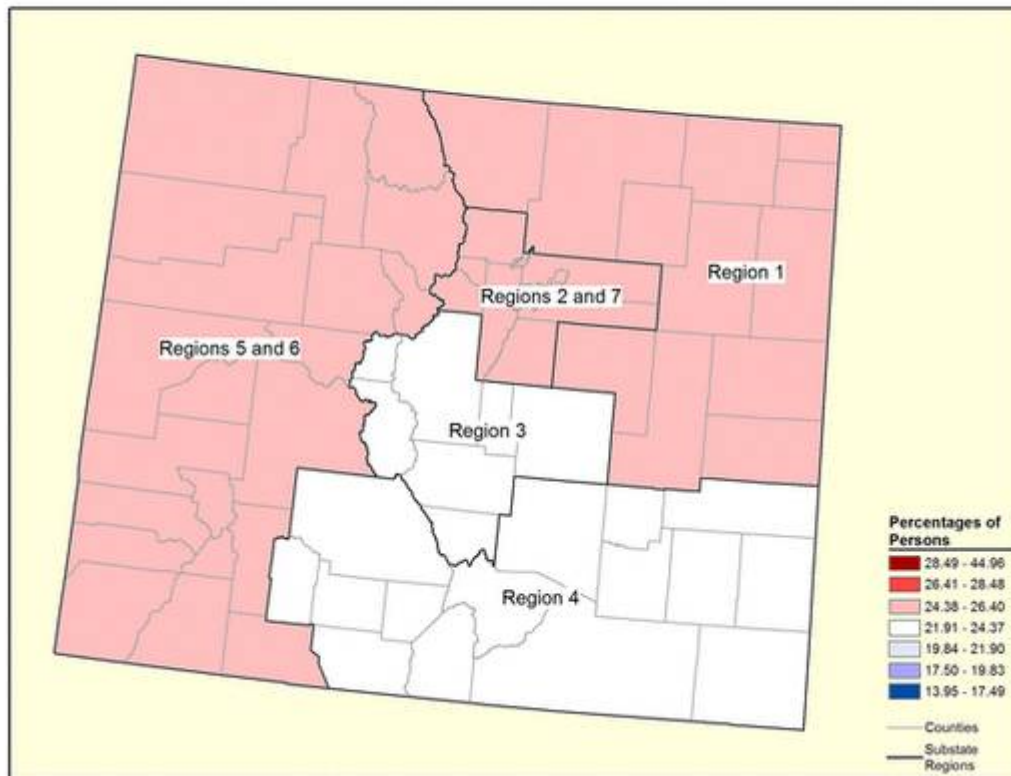
Figure 6.7 Cocaine Use in the Past Year among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs



D

Binge Alcohol 2012-2014

Figure 6.10 *Binge Alcohol Use in the Past Month* among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs

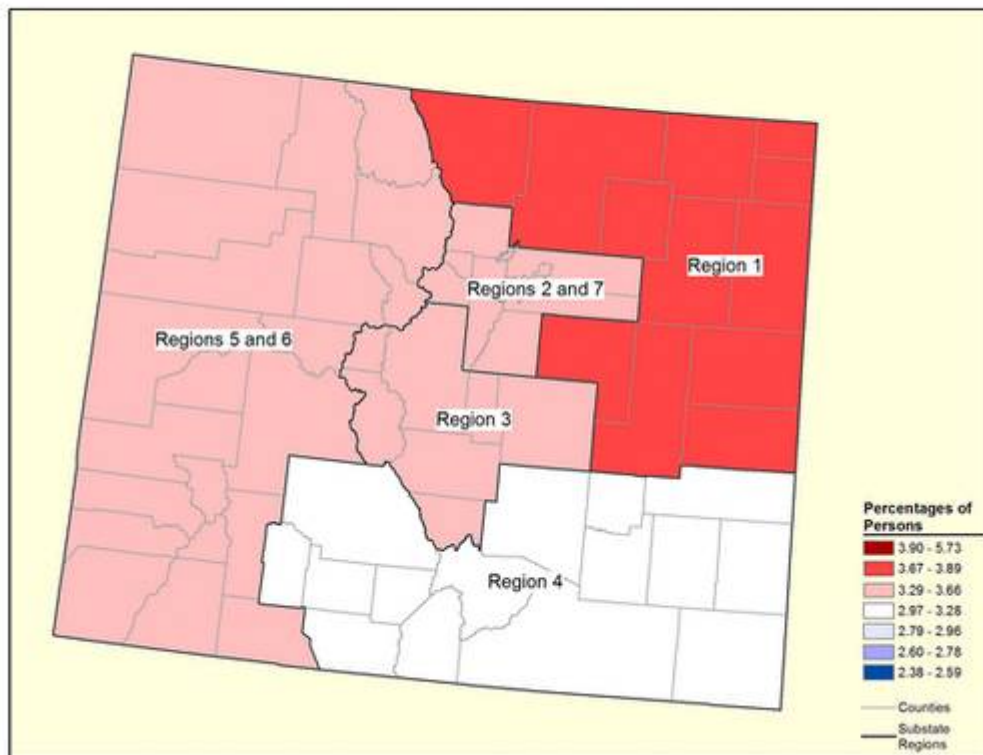


D

Alcoholism

2012-2014

Figure 6.18 *Alcohol Dependence in the Past Year* among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs

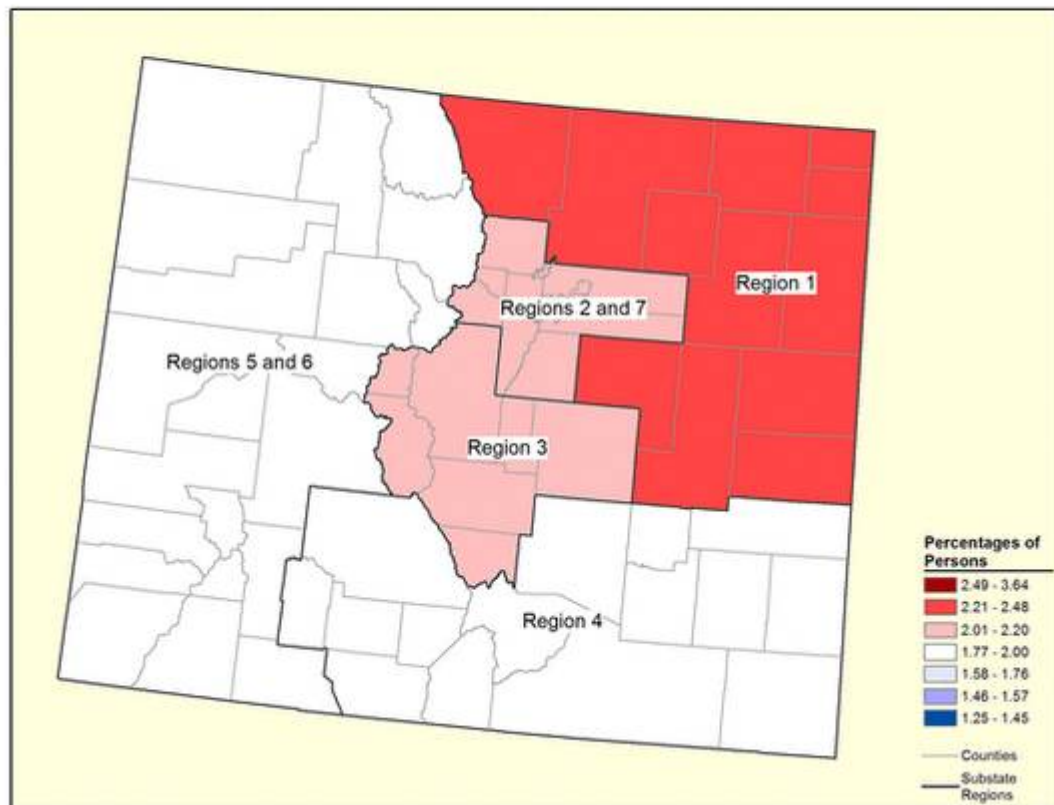


D

Illicit Drug Dependence

2012-2014

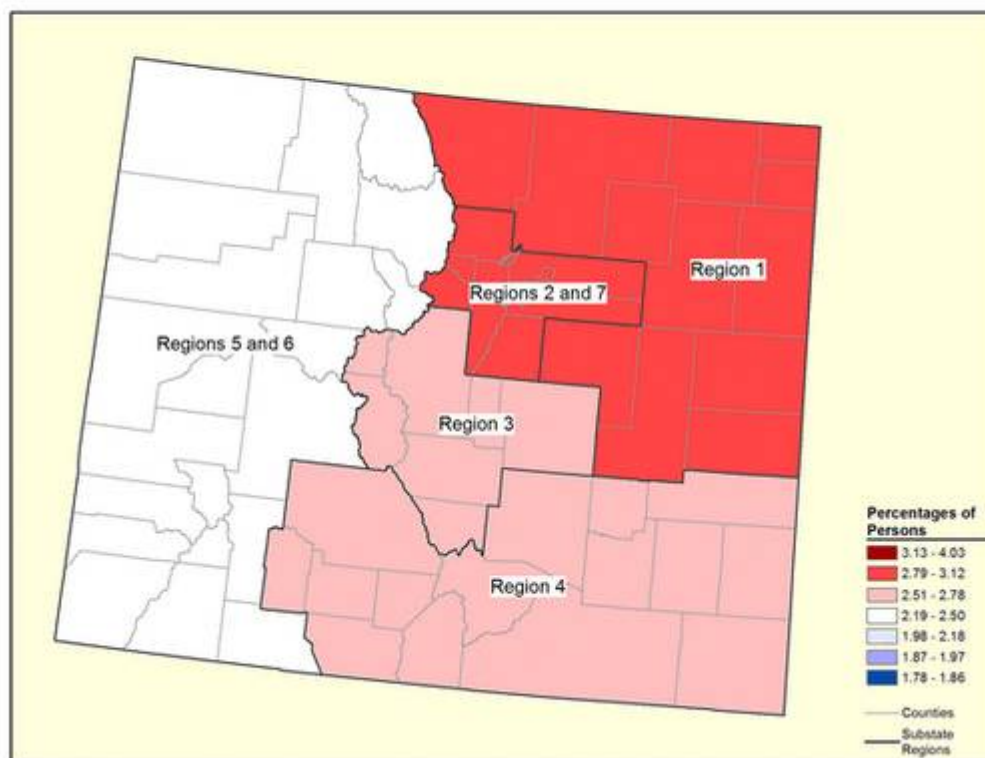
Figure 6.20 *Illicit Drug Dependence in the Past Year* among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs



D

Needing but Not Receiving Illicit Drug Use Rx

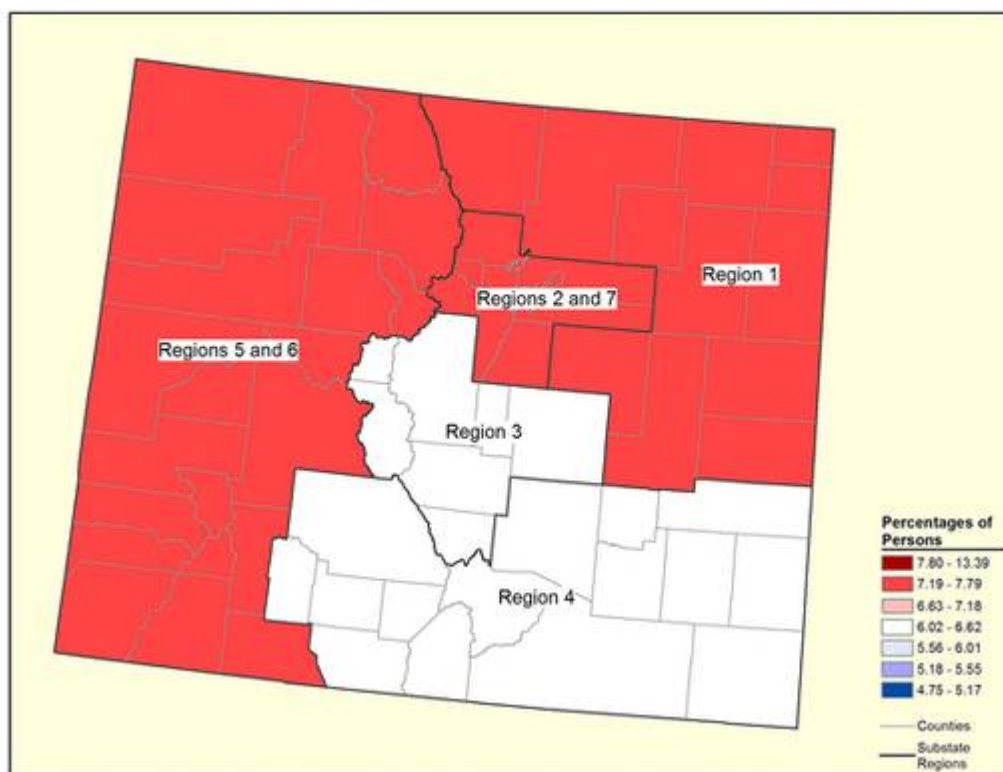
Figure 6.22 *Needing But Not Receiving Treatment for Illicit Drug Use in the Past Year among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs*



D

Needing but Not Receiving Alcoholism Rx

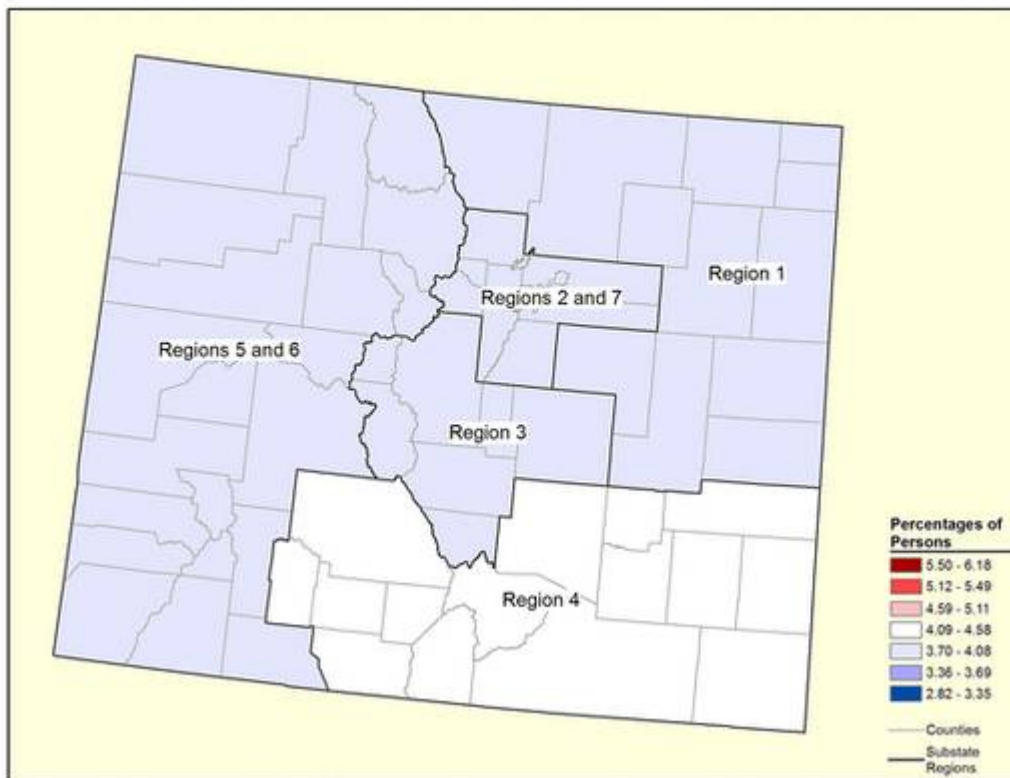
Figure 6.23 *Needing But Not Receiving Treatment for Alcohol Use in the Past Year* among Individuals Aged 12 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs



D

Serious Mental Illness

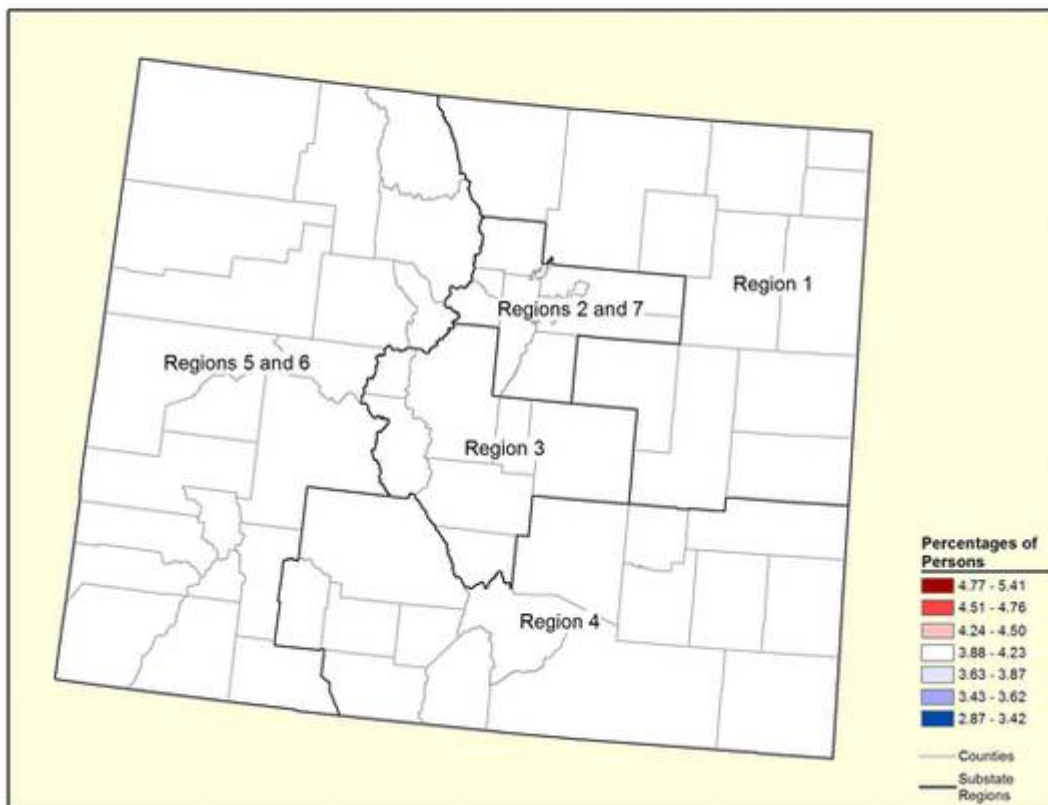
Figure 6.24 *Serious Mental Illness in the Past Year* among Adults Aged 18 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs



D

Suicidal Thoughts

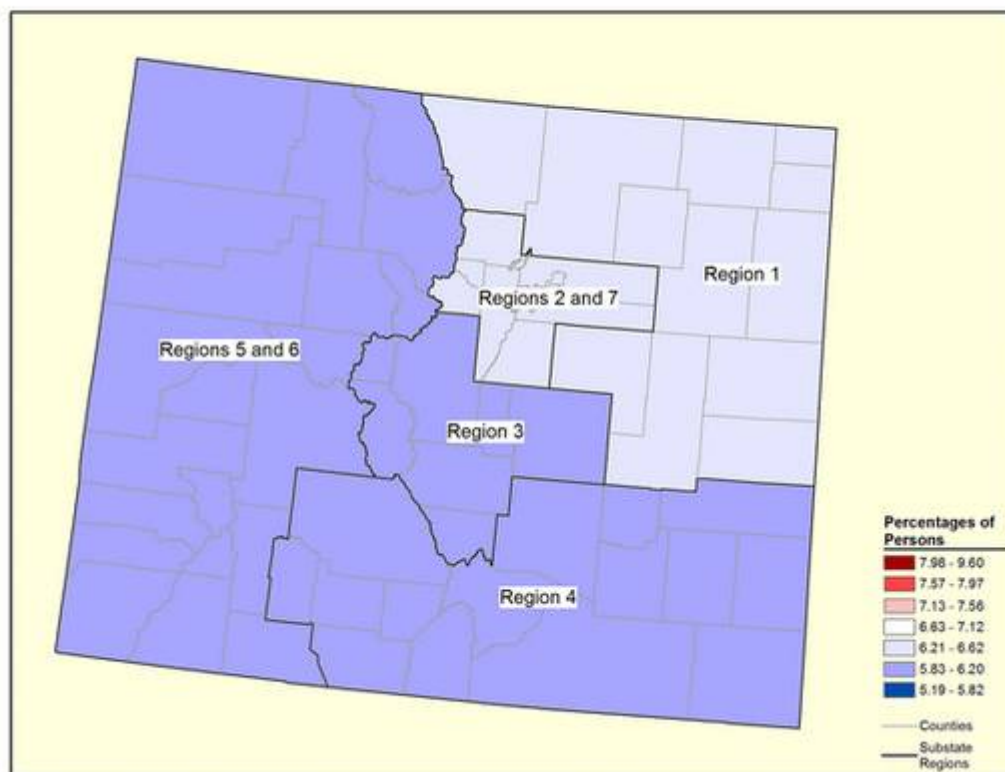
Figure 6.26 *Had Serious Thoughts of Suicide in the Past Year* among Adults Aged 18 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs



D

Depression

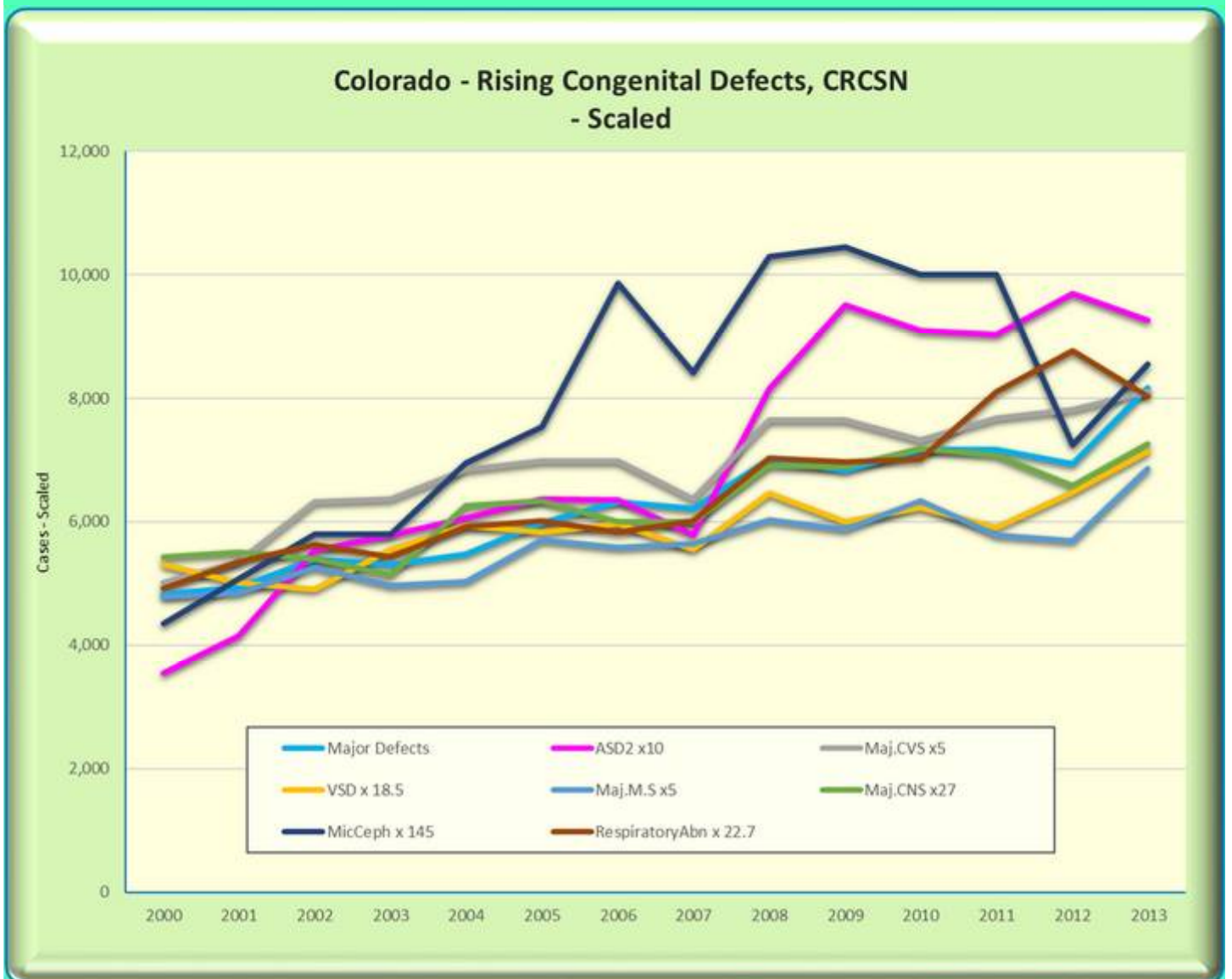
Figure 6.27 Major Depressive Episode in the Past Year among Adults Aged 18 or Older in Colorado, by Substate Region: Percentages, Annual Averages Based on 2012, 2013, and 2014 NSDUHs



D

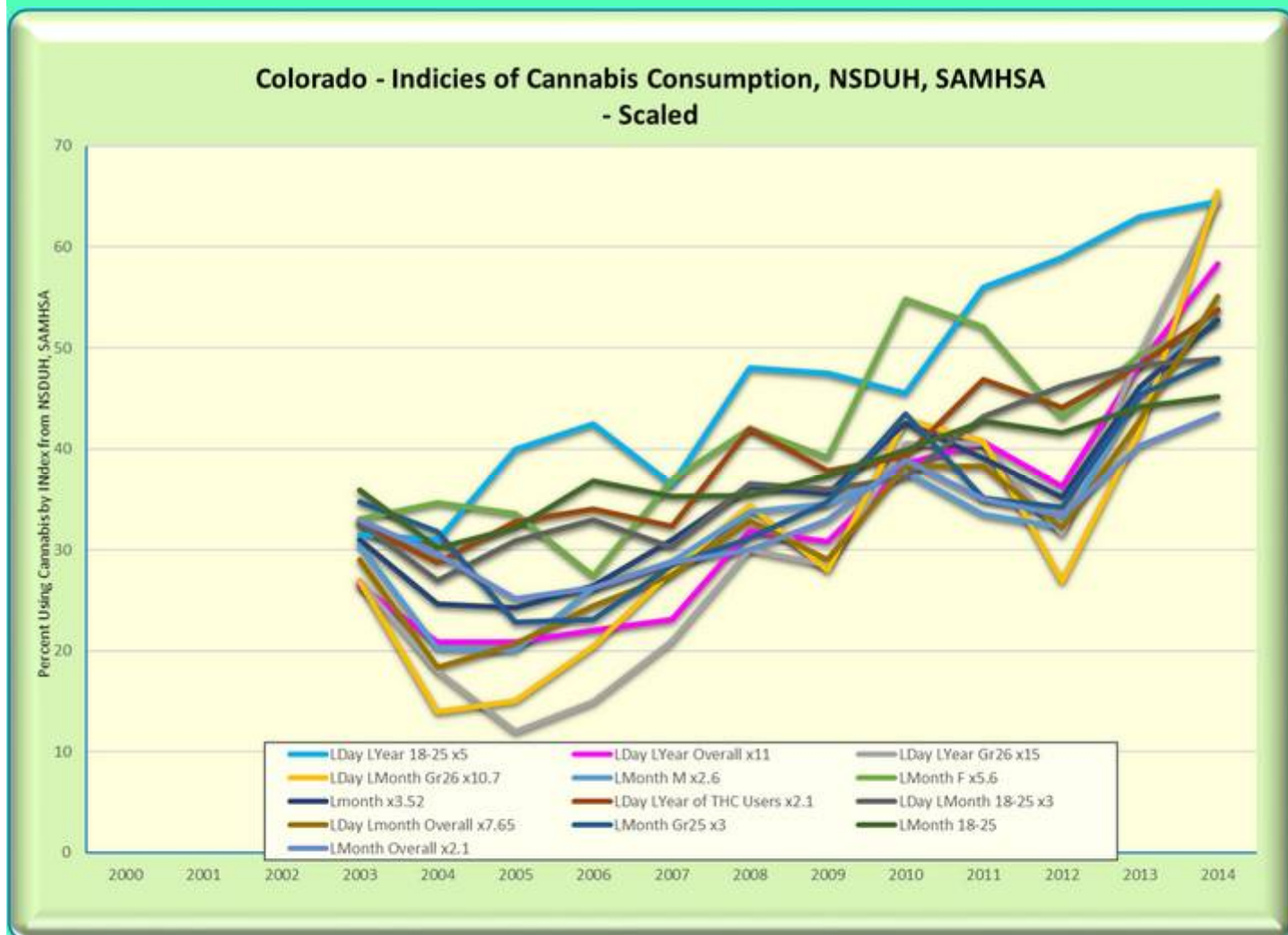
Colorado

Colorado Birth Defects Rising



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

Colorado – Indices of Cannabis Use



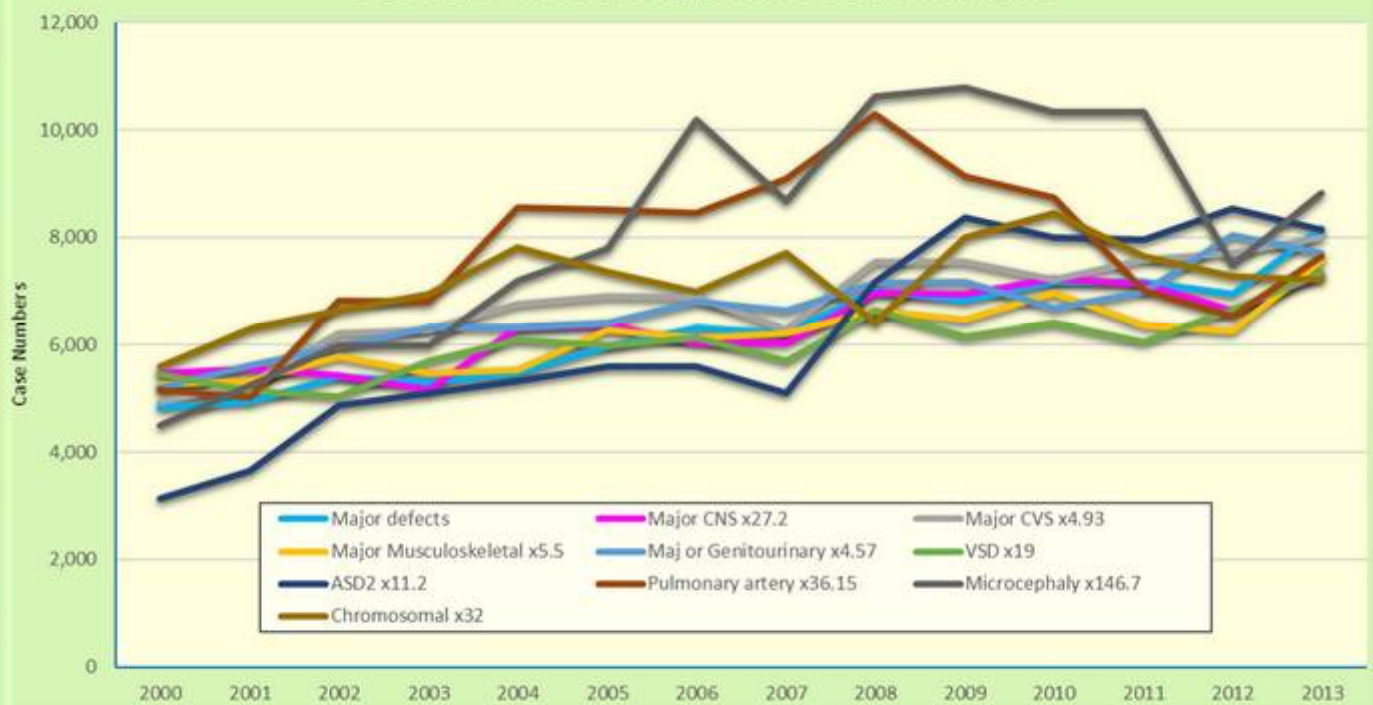
Also Colorado Intensity of Use Best Correlates with Congenital Defect Pattern

NSDUH Cannabis Index	Rise Cannabis Use 2003-2013
LDay LYear 18-25	100.00%
LDay LYear Overall	83.33%
LDay LYear Gr26	83.33%
LDay LMonth Gr26	56.00%
LMonth M	50.43%
LMonth F	49.15%
LMonth	48.86%
LDay LYear of THC Users	48.39%
LDay LMonth 18-25	47.71%
LDay Lmonth Overall	47.37%
LMonth Gr25	30.17%
LYear Gr26	30.17%
LMonth 18-25	23.12%
LYear 18-25	23.12%
LYear Overall	22.36%
LMonth Overall	22.29%
LDay LYear 12-17	4.35%
LDay LMonth 12-17	2.27%
LMonth 12-17	-3.66%
LYear 12-17	-3.66%

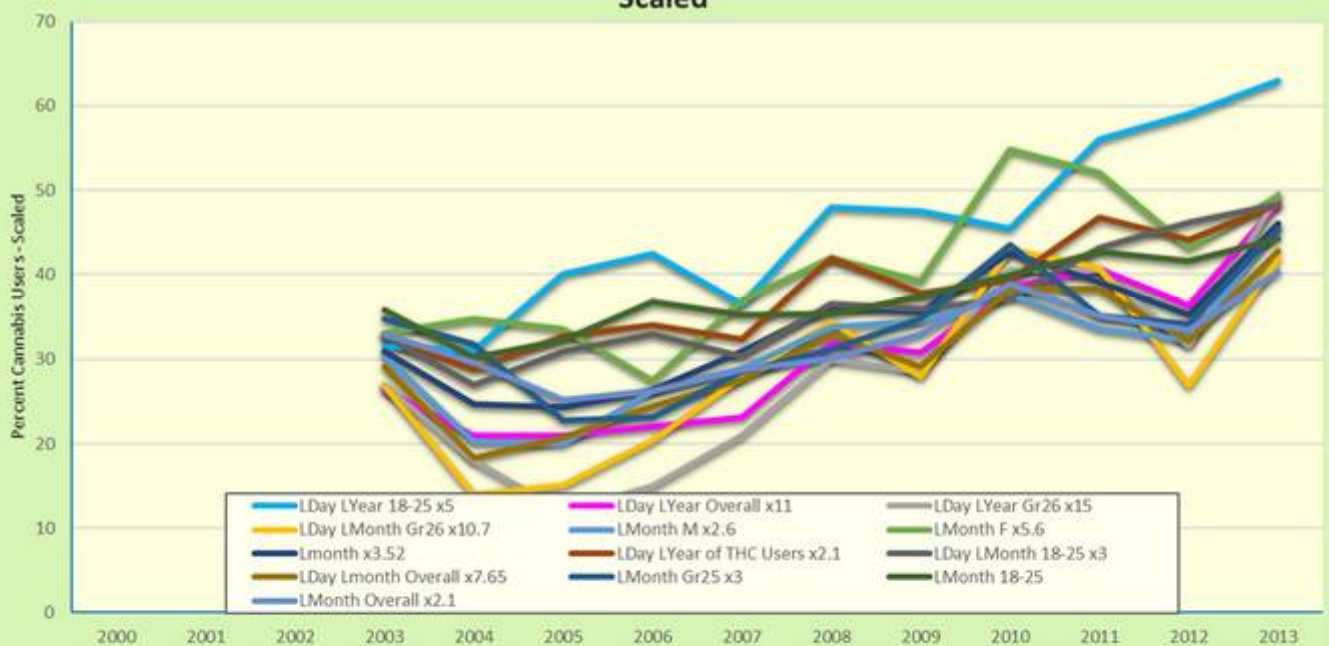
CRCN Defect	Rise Congenital Anomalies 2000-2013
Atrial septal defect - Secundum	59.93%
All Major Defects	53.74%
Micrcephaly	47.50%
Major CNS Defects	41.58%
Major Musculoskeletal Defects	37.99%
Ventricular septal defect	28.67%
Major Cardiovascular Defects	27.42%
Major Genitourinary Defects	22.16%
Pulmonary artery defects	12.77%

Colorado – Congenital Anomalies & Cannabis Use Indices

Colorado CRCSN Congenital Defects Numbers



Cannabis Use Indices, Colorado, NSDUH
Scaled

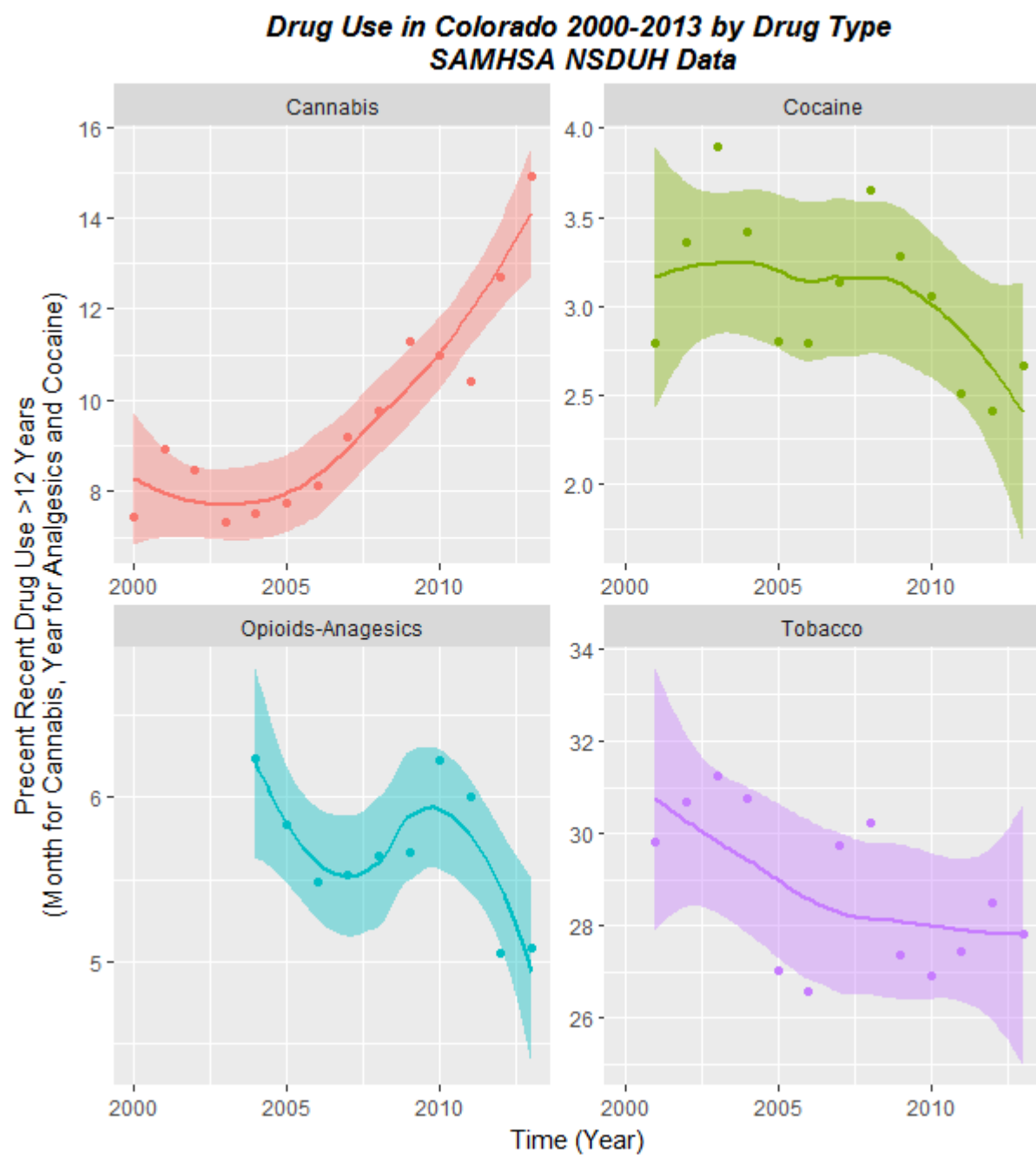


*Statistical
Summary
59 Defects*

*Colorado
2000-2013
Data (9) 08.05.2018*

<http://www.chd.dphe.state.co.us/cohid/>
<http://www.cohid.dphe.state.co.us/scripts/htmsql.exe/CrcsnPub.hsql>

Coloradan Drug Use Trends



Statistical Analysis

Drug Use in Colorado 2000-2013 by Drug Type
SAMHSA NSDUH Data

