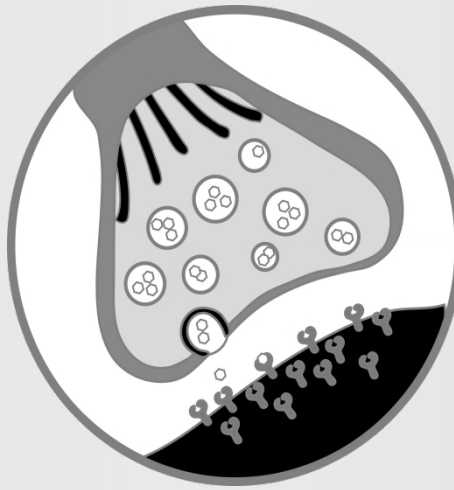


Colorado Drug Trends

Presented August 2018



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Prepared by Stephanie Russell, MSW
Evaluator, Community Behavioral Health

DACODS

- Drug and Alcohol Coordinated Data System (aka DACODS) is the primary client level data collection instrument used by OBH
- The Substance Abuse and Mental Health Services Administration (SAMHSA) requires that OBH collect and report on the data items in DACODS as a requirement of funding.
- OBH uses this information to: monitor service quality, utilization and effectiveness, and to report to the legislature on treatment outcomes and service needs in Colorado.



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Methods

- Focus: Alcohol, Marijuana, Cocaine, Methamphetamine, Heroin, and Prescription Opioids
- Treatment admissions for OBH licensed facilities only
- Analysis based on primary drug only



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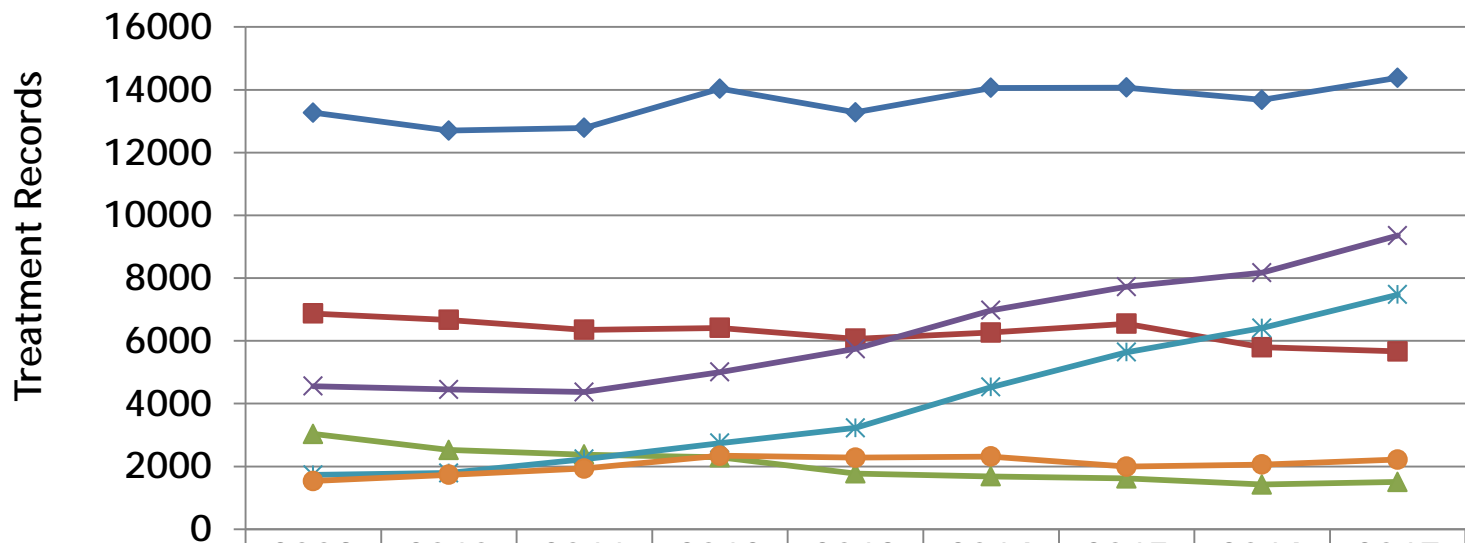
Highlights

- 41,268 treatment admissions for substance use were initiated in calendar year 2017. That is 3,130 more treatment admissions than 2016.
- While alcohol has the highest number of treatment admissions, over 40% of treatment admissions were for Heroin and Methamphetamine in CY2017
- Prescription Opioid treatment rates have remained stable, but Heroin treatment admissions have increased by 132% since 2013
- Methamphetamine treatment admissions have increased by 63% since 2013
- Marijuana treatment admissions have decreased by 7%



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Treatment Admissions by Year



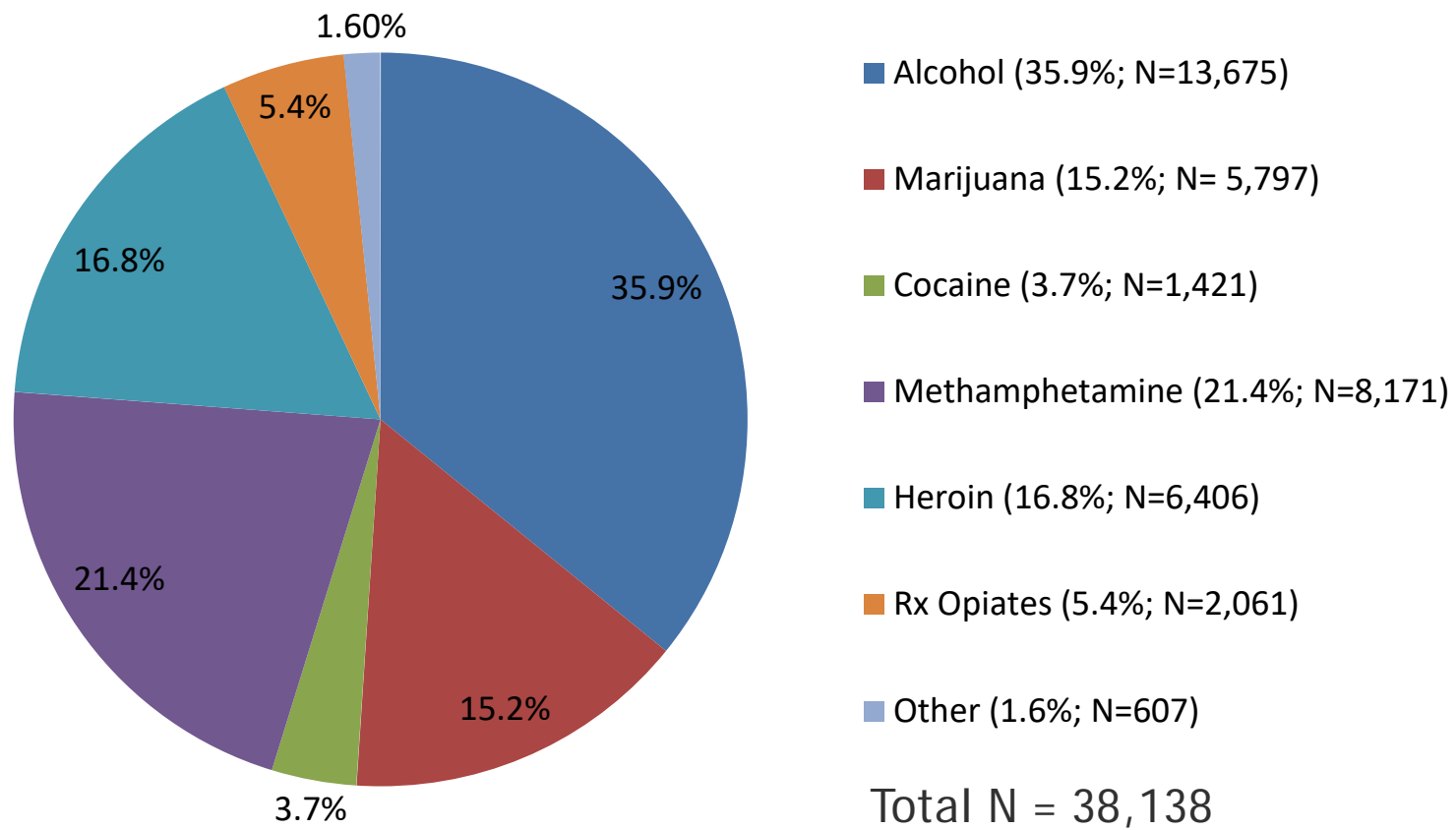
	2009	2010	2011	2012	2013	2014	2015	2016	2017
—◆— Alcohol	13270	12701	12787	14033	13278	14058	14068	13675	14380
—■— Marijuana	6872	6669	6350	6413	6069	6264	6545	5797	5665
—▲— Cocaine	3035	2522	2377	2288	1775	1683	1616	1421	1503
—×— Methamphetamine	4557	4451	4367	5007	5745	6974	7721	8171	9354
—*— Heroin	1731	1789	2234	2746	3228	4528	5640	6406	7475
—●— Rx Opioids	1536	1736	1931	2341	2282	2315	1993	2061	2219



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SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Office of Behavioral Health (OBH) Colorado Department of Human Services (CDHS)

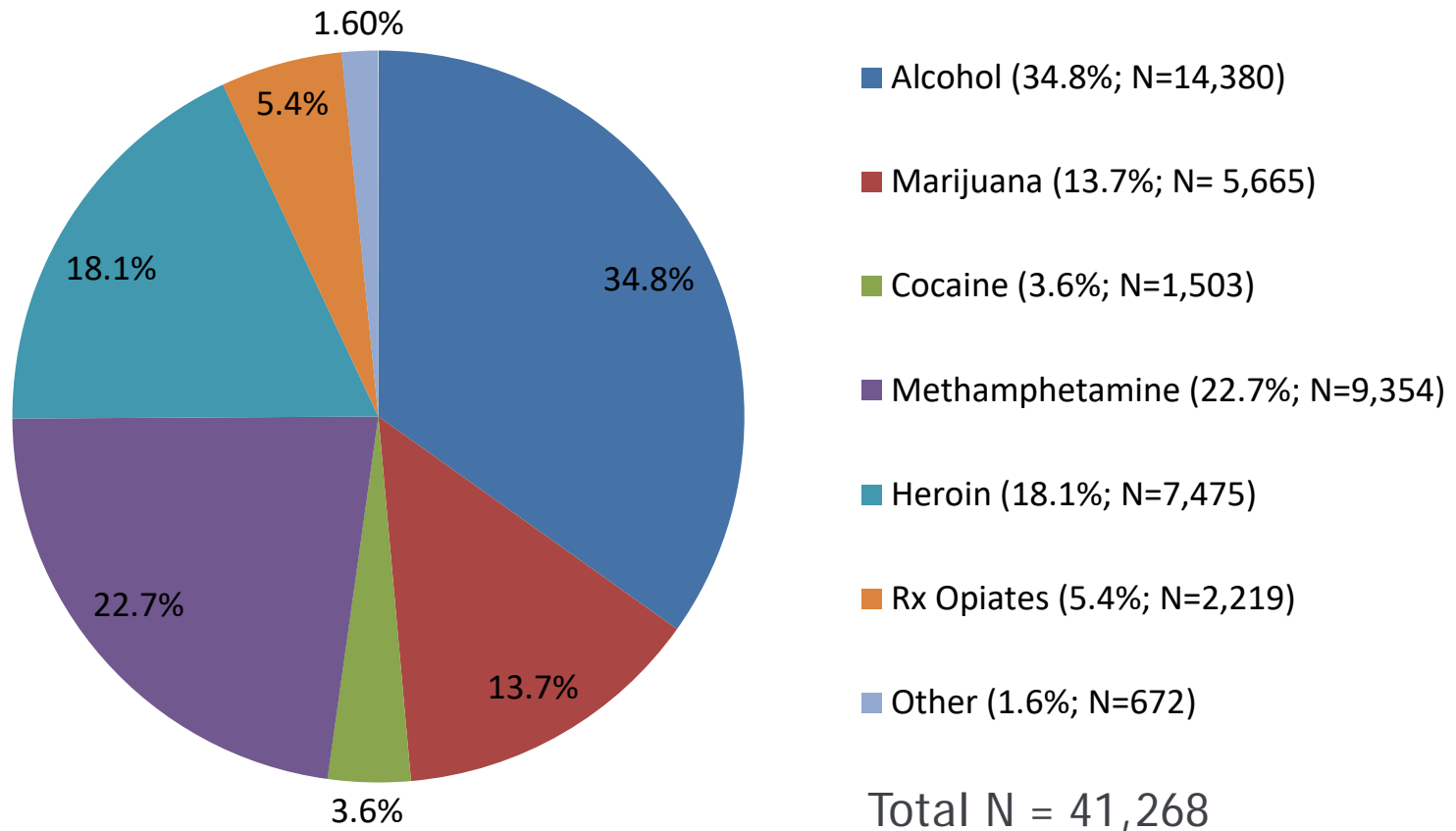
Primary Substance Reported at Treatment Admission (CY2016)



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SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Office of Behavioral Health (OBH) Colorado Department of Human Services (CDHS)

Primary Substance Reported at Treatment Admission (CY2017)



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SOURCE: Drug/Alcohol Coordinated Data System (DACODS), Office of Behavioral Health (OBH) Colorado Department of Human Services (CDHS)

Regional Comparison of Treatment Admissions per 100k Population (2016-2017)

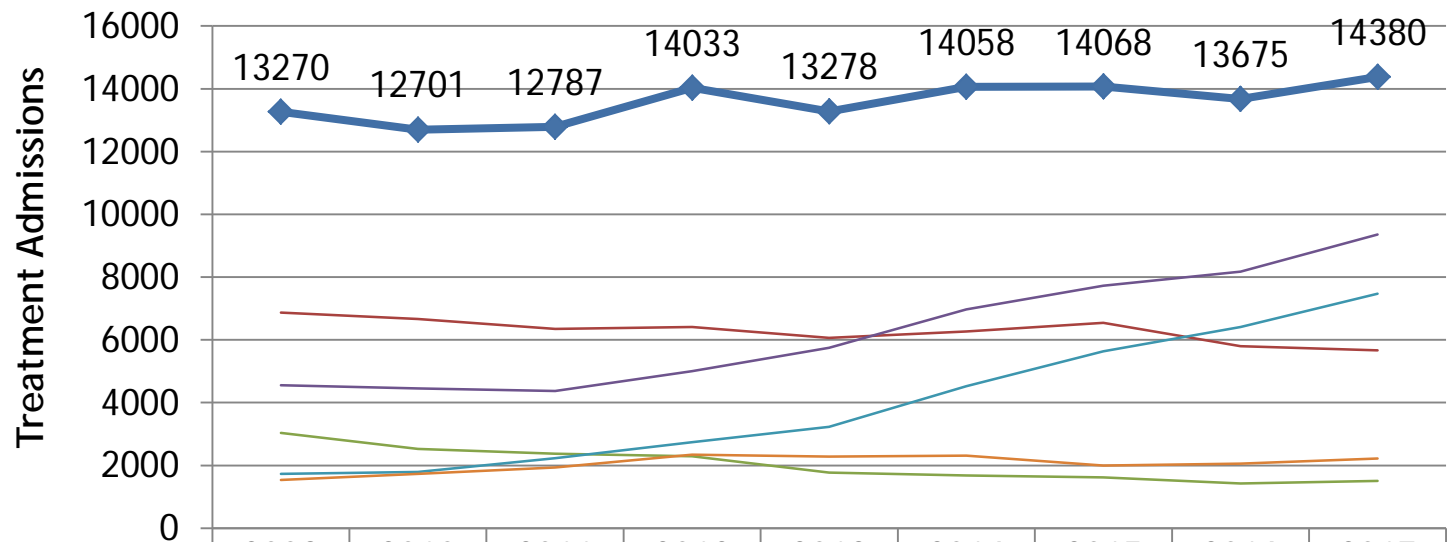
Region (2017 Est. Population)	2016						2017					
	Alcohol	Marijuana	Cocaine	Meth	Heroin	Rx Opioids	Alcohol	Marijuana	Cocaine	Meth	Heroin	Rx Opioids
Denver Metro (3,182,385)	194.8	81	26.9	84.6	96.4	27.7	210	80.8	28.4	90.7	105.4	32.2
Northeast (763,912)	275.1	153.9	20.5	248.8	83.5	44.6	274.2	144.5	17.3	271.5	99.6	52.5
Northwest (377,562)	315.2	95.6	14.2	164.3	58.3	31.4	313.1	80.5	16.7	206.3	73.9	35.2
South Central (822,909)	189.3	90.6	14.8	140.8	78.5	28.9	179.2	90.9	16.6	153.1	93.7	27
Southeast (280,500)	279.4	168.6	28.8	211.4	346.6	76.2	272.7	148.7	27.5	232.8	379.3	69.2
Southwest (203,687)	360.2	83.4	7	182.9	62	51.5	359.9	58.9	7.9	202.8	73.6	40.3
Colorado (5,630,955)	246.9	104.7	25.7	147.5	115.7	37.2	255.4	100.6	26.7	166.1	132.7	39.4



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NOTE: Yellow highlights have been used as a visual indicator for CY2017 rates that were higher than CY2016.

Alcohol Treatment Admissions



	2009	2010	2011	2012	2013	2014	2015	2016	2017
◆ Alcohol	13270	12701	12787	14033	13278	14058	14068	13675	14380
— Marijuana	6872	6669	6350	6413	6069	6264	6545	5797	5665
— Cocaine	3035	2522	2377	2288	1775	1683	1616	1421	1503
— Methamphetamine	4557	4451	4367	5007	5745	6974	7721	8171	9354
— Heroin	1731	1789	2234	2746	3228	4528	5640	6406	7475
— Rx Opiates	1536	1736	1931	2341	2282	2315	1993	2061	2219

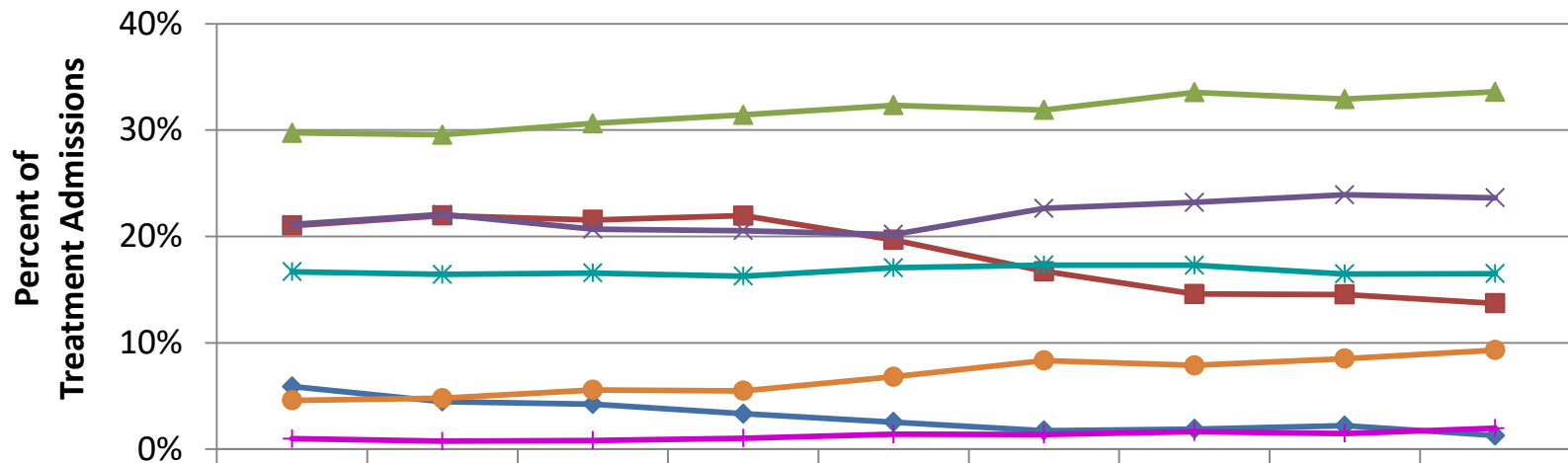


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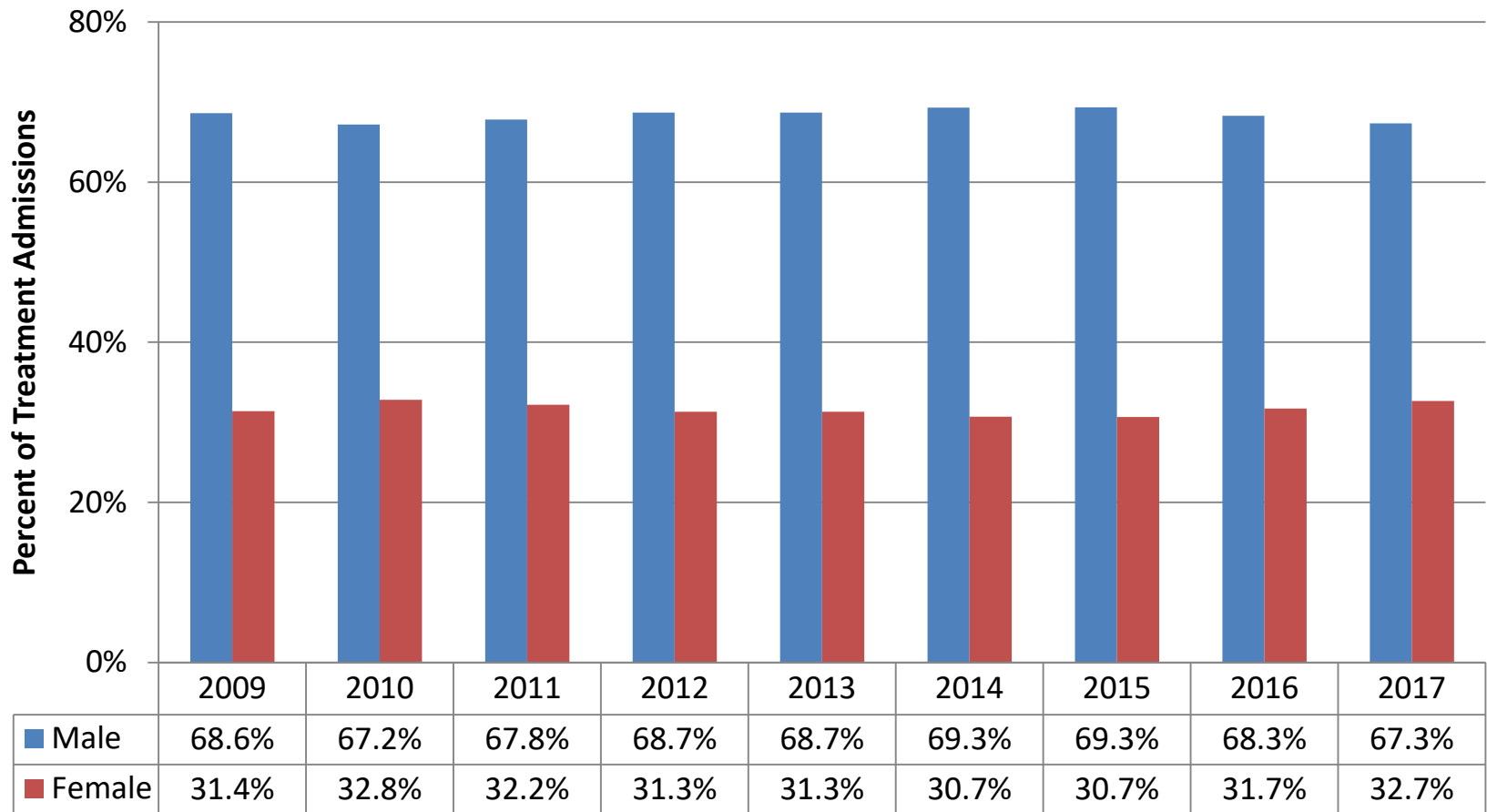
Alcohol Treatment Admissions by Age Group



	2009	2010	2011	2012	2013	2014	2015	2016	2017
◆ 17 & Under	5.9%	4.5%	4.2%	3.3%	2.5%	1.7%	1.9%	2.2%	1.3%
■ 18 thru 24	21.0%	22.0%	21.6%	22.0%	19.7%	16.7%	14.6%	14.5%	13.7%
▲ 25 thru 34	29.7%	29.6%	30.6%	31.4%	32.3%	31.9%	33.6%	32.9%	33.6%
✕ 35 thru 44	21.1%	22.1%	20.7%	20.5%	20.2%	22.6%	23.2%	23.9%	23.6%
✱ 45 thru 54	16.7%	16.4%	16.6%	16.3%	17.0%	17.3%	17.3%	16.5%	16.5%
● 55 thru 64	4.6%	4.8%	5.6%	5.5%	6.8%	8.3%	7.9%	8.5%	9.3%
✚ 65 & Over	1.0%	0.7%	0.8%	1.0%	1.4%	1.4%	1.6%	1.5%	2.0%

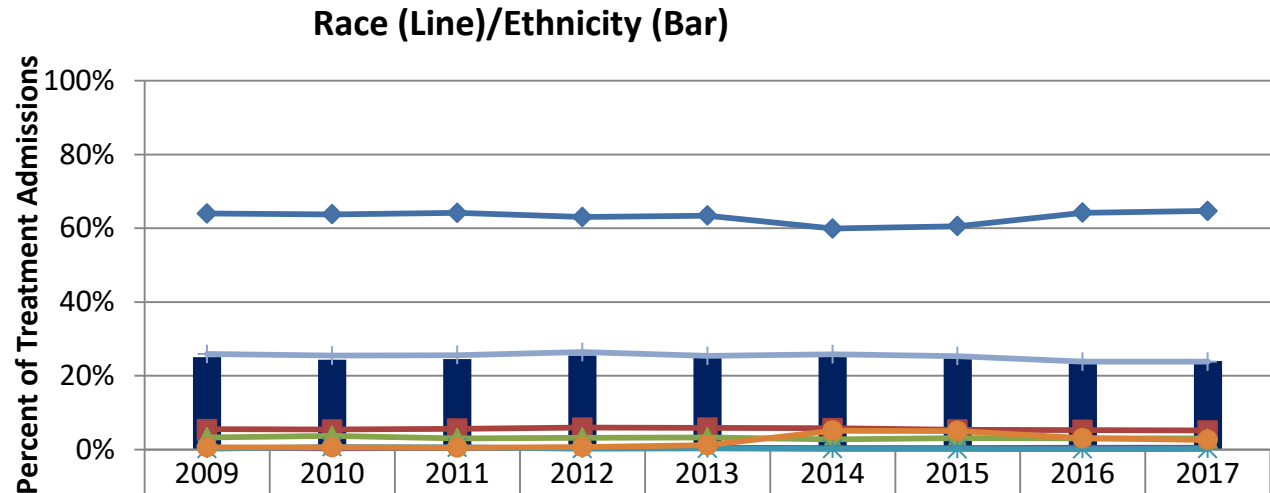


Alcohol Treatment Admission by Gender



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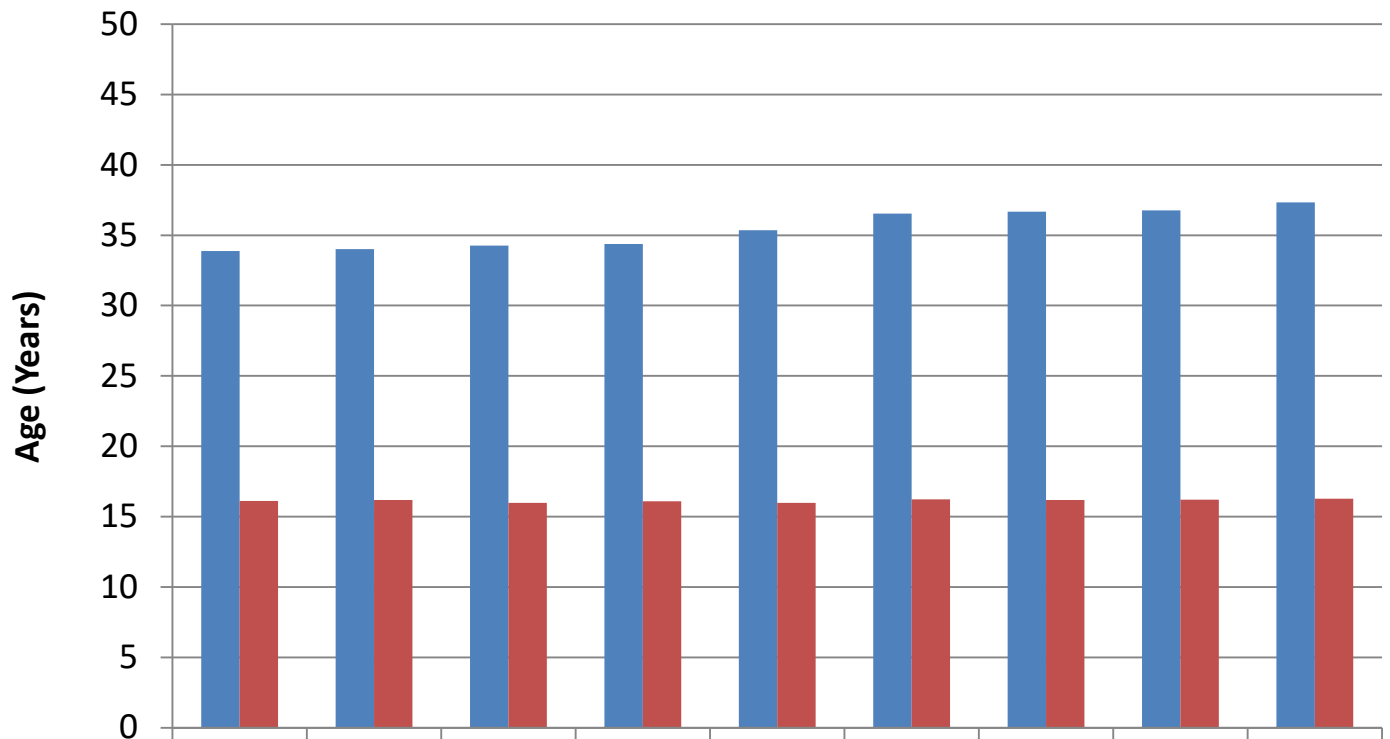
Alcohol Treatment Admissions by Race/Ethnicity



	2009	2010	2011	2012	2013	2014	2015	2016	2017
Hispanic	25.0%	24.4%	24.5%	25.5%	24.8%	26.4%	25.6%	24.0%	24.0%
White	64.0%	63.8%	64.2%	63.0%	63.4%	59.9%	60.6%	64.2%	64.7%
Black	5.5%	5.4%	5.7%	6.0%	5.9%	5.8%	5.4%	5.3%	5.2%
American Indian/Alaskan Native	3.3%	3.7%	3.0%	3.2%	3.3%	2.7%	3.1%	3.0%	3.0%
Asian	0.5%	0.3%	0.5%	0.4%	0.5%	0.4%	0.5%	0.5%	0.5%
Native Hawaiian/Pacific Islander	0.2%	0.7%	0.6%	0.2%	0.3%	0.2%	0.1%	0.1%	0.2%
Declined	0.6%	0.6%	0.5%	0.7%	1.2%	5.1%	5.0%	3.1%	2.6%
Multiracial	25.9%	25.5%	25.6%	26.4%	25.4%	25.8%	25.4%	23.8%	23.8%



Alcohol Age of First Use Vs. Age at Treatment Admission

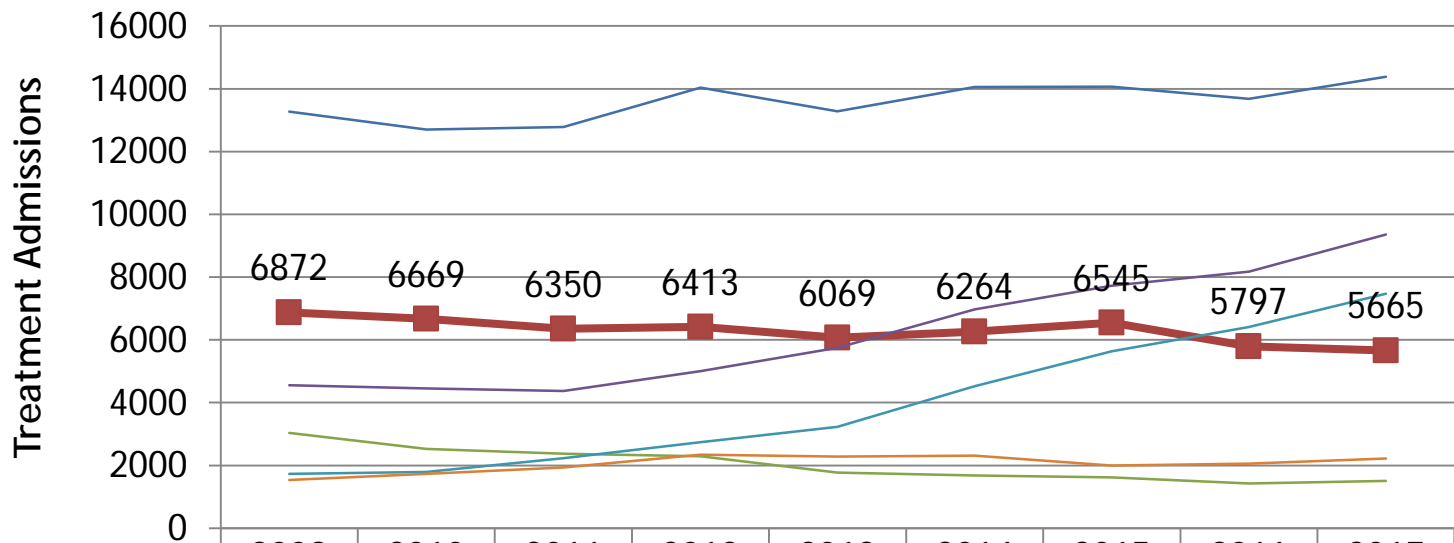


	2009	2010	2011	2012	2013	2014	2015	2016	2017
■ Mean Age at Admission	33.87	34.01	34.25	34.39	35.35	36.53	36.66	36.75	37.34
■ Mean Age of First Use	16.12	16.17	15.98	16.09	15.98	16.24	16.19	16.20	16.28



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Marijuana Treatment Admissions

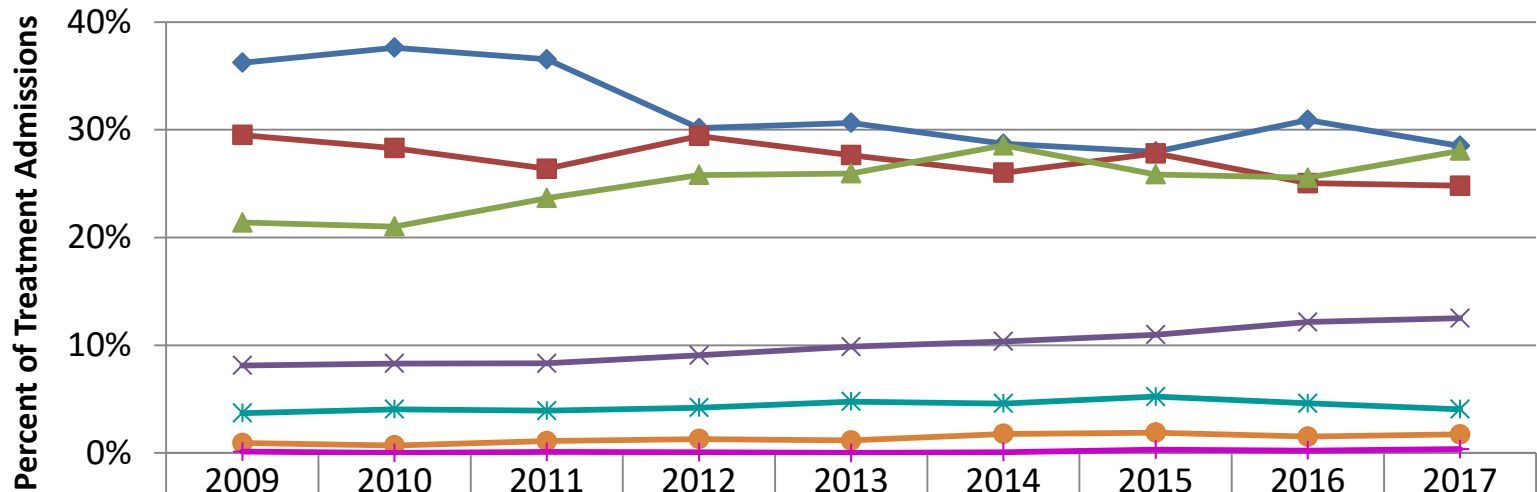


	2009	2010	2011	2012	2013	2014	2015	2016	2017
— Alcohol	13270	12701	12787	14033	13278	14058	14068	13675	14380
—■ Marijuana	6872	6669	6350	6413	6069	6264	6545	5797	5665
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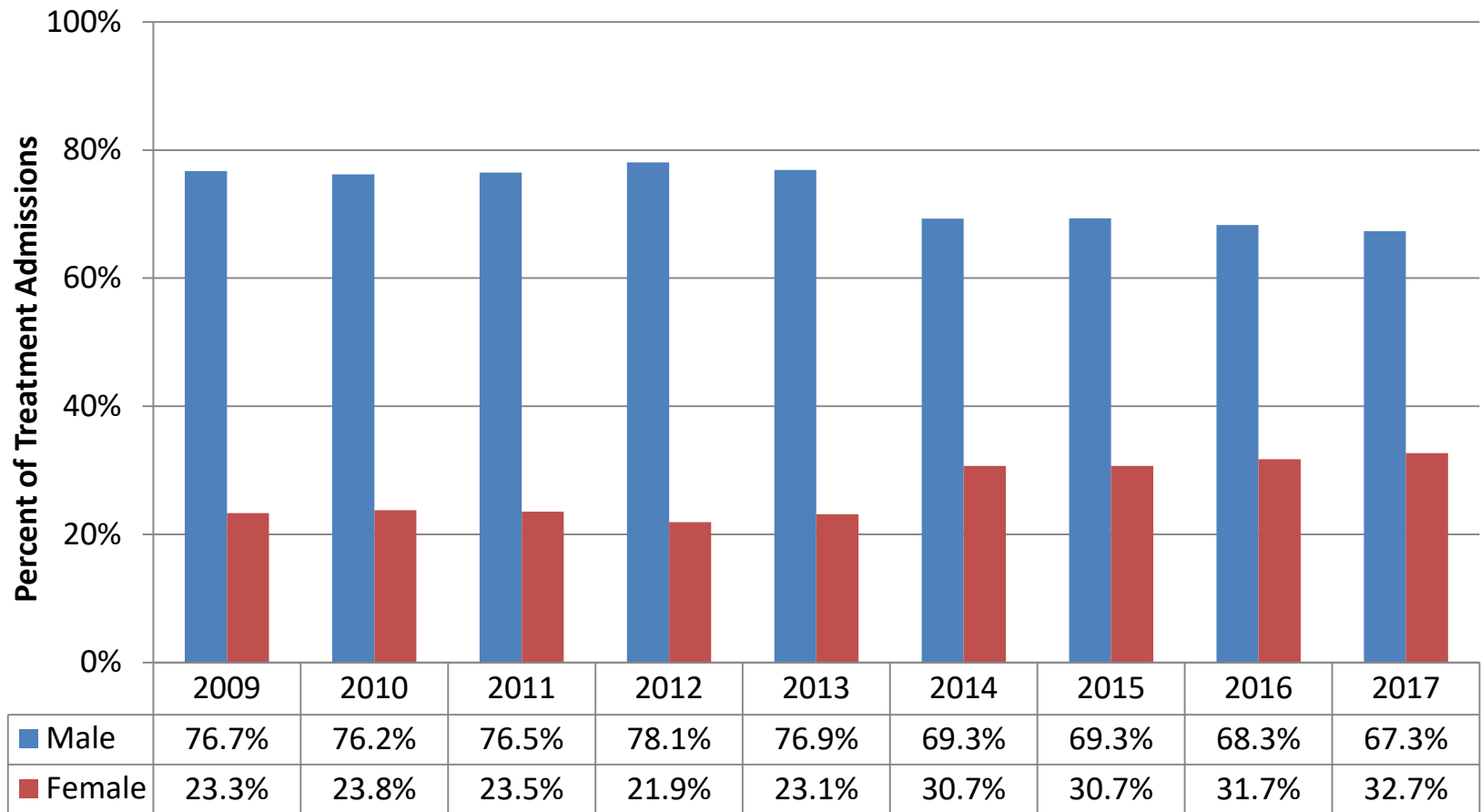
Marijuana Treatment Admissions by Age Group



	2009	2010	2011	2012	2013	2014	2015	2016	2017
◆ 17 & Under	36.2%	37.6%	36.5%	30.2%	30.6%	28.7%	28.0%	30.9%	28.5%
■ 18 thru 24	29.5%	28.3%	26.4%	29.4%	27.6%	26.0%	27.8%	25.0%	24.8%
▲ 25 thru 34	21.4%	21.0%	23.7%	25.8%	25.9%	28.5%	25.9%	25.6%	28.1%
✕ 35 thru 44	8.1%	8.3%	8.3%	9.1%	9.9%	10.4%	11.0%	12.2%	12.5%
* 45 thru 54	3.7%	4.1%	3.9%	4.2%	4.8%	4.6%	5.2%	4.6%	4.0%
● 55 thru 64	0.9%	0.7%	1.1%	1.3%	1.2%	1.8%	1.9%	1.5%	1.7%
⊕ 65 & Over	0.1%	0.0%	0.1%	0.1%	0.0%	0.1%	0.3%	0.2%	0.4%

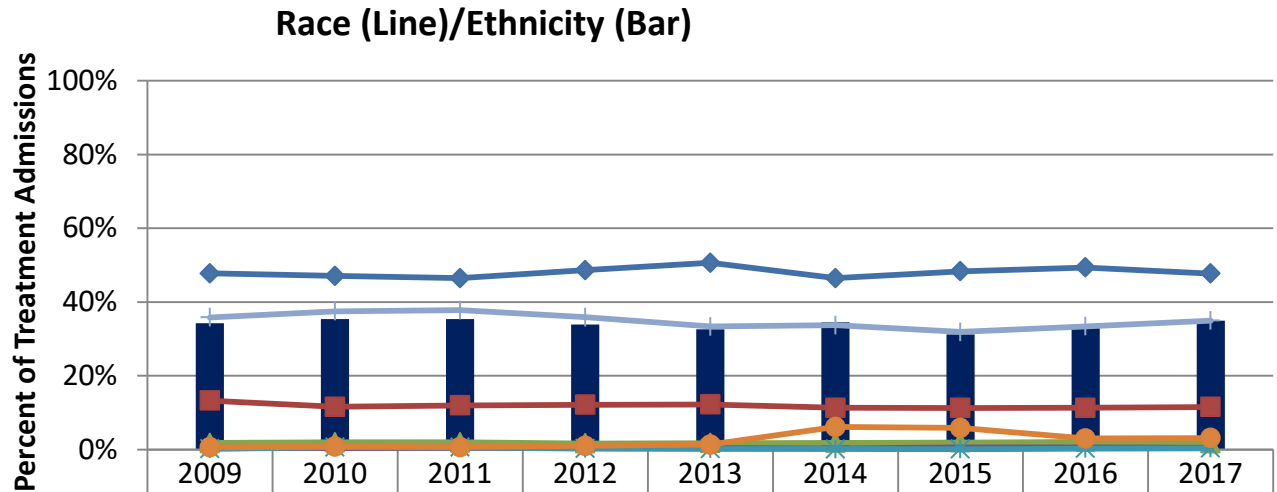


Marijuana Treatment Admission by Gender



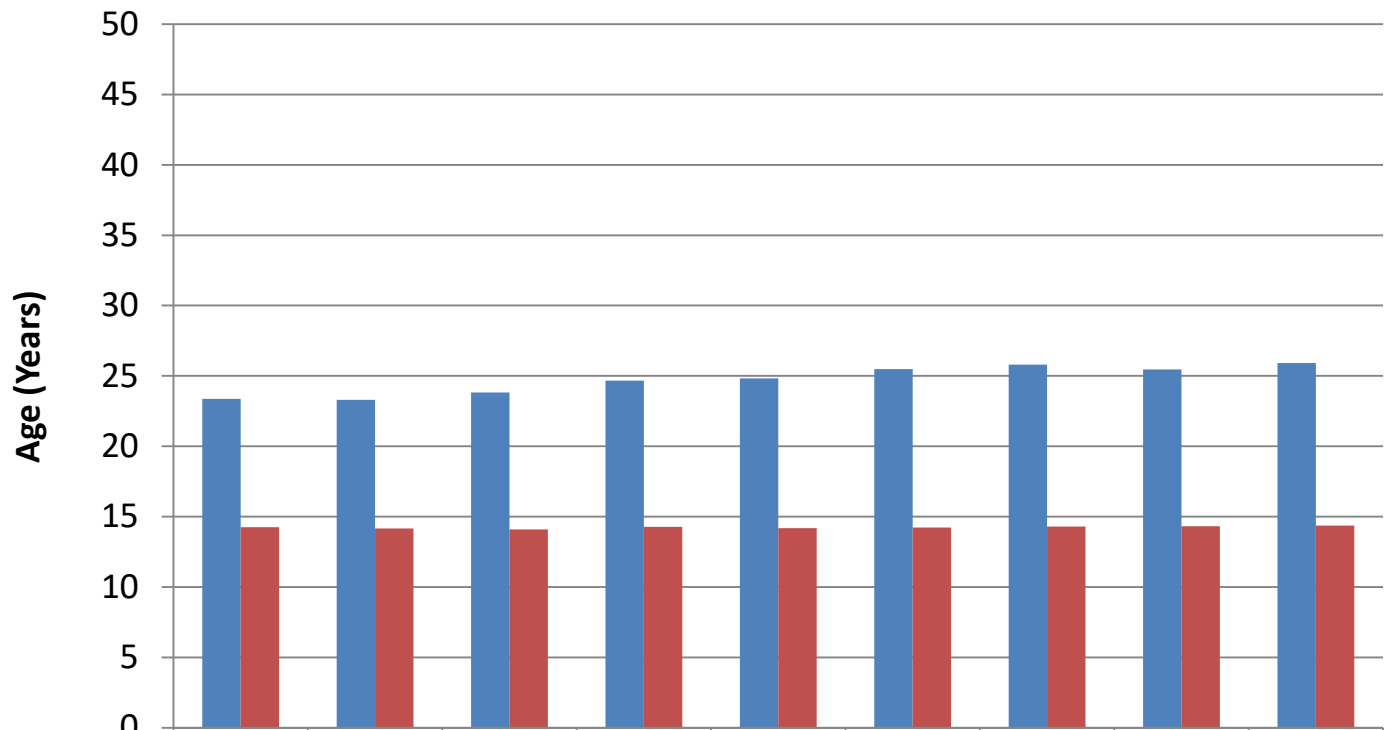
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Marijuana Treatment Admissions by Race/Ethnicity



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Marijuana Age of First Use Vs. Age at Treatment Admission

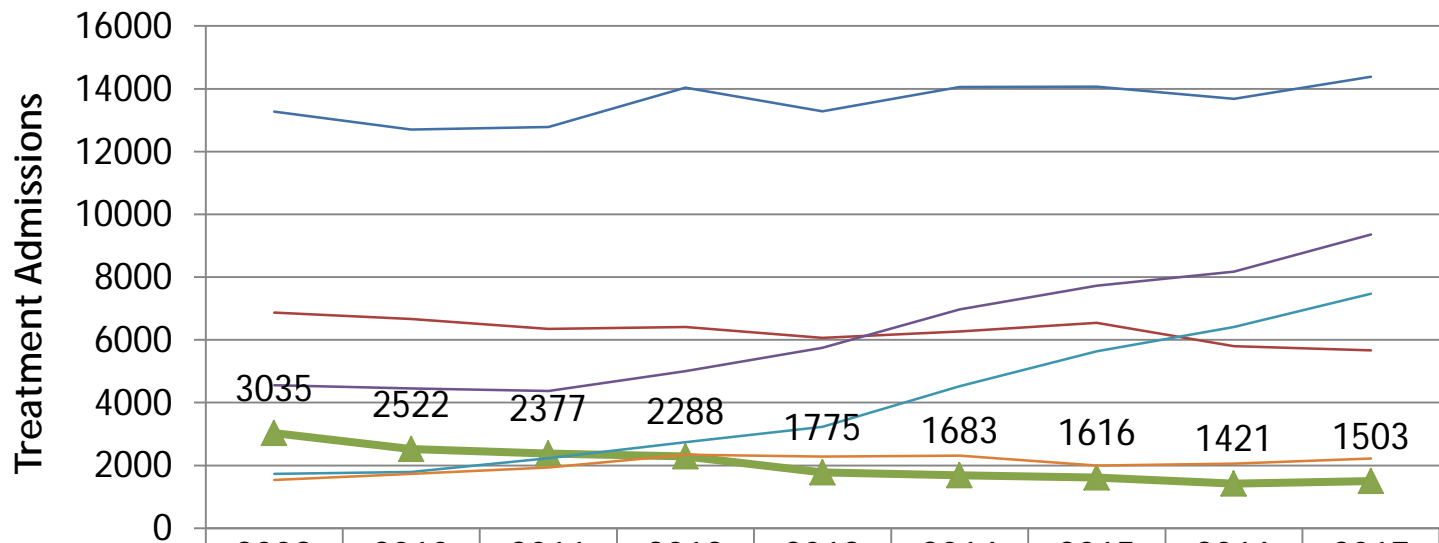


	2009	2010	2011	2012	2013	2014	2015	2016	2017
■ Mean Age at Admission	23.36	23.31	23.83	24.67	24.83	25.49	25.80	25.47	25.92
■ Mean Age of First Use	14.26	14.16	14.10	14.27	14.19	14.23	14.30	14.33	14.36



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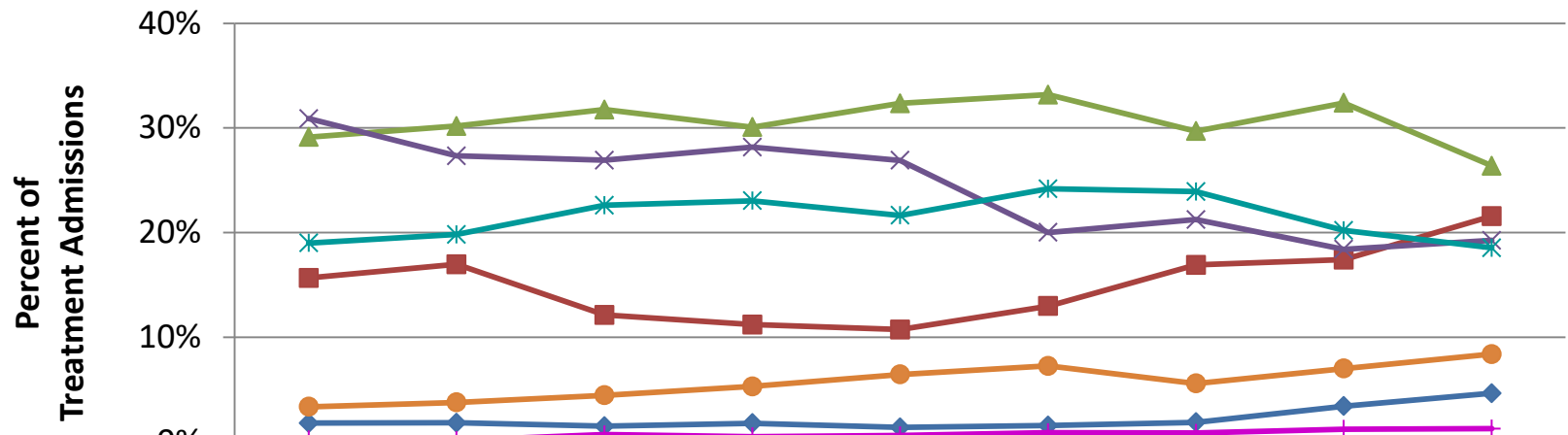
Cocaine Treatment Admissions



	2009	2010	2011	2012	2013	2014	2015	2016	2017
— Alcohol	13270	12701	12787	14033	13278	14058	14068	13675	14380
— Marijuana	6872	6669	6350	6413	6069	6264	6545	5797	5665
▲ Cocaine	3035	2522	2377	2288	1775	1683	1616	1421	1503
— Methamphetamine	4557	4451	4367	5007	5745	6974	7721	8171	9354
— Heroin	1731	1789	2234	2746	3228	4528	5640	6406	7475
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Cocaine Treatment Admissions by Age Group

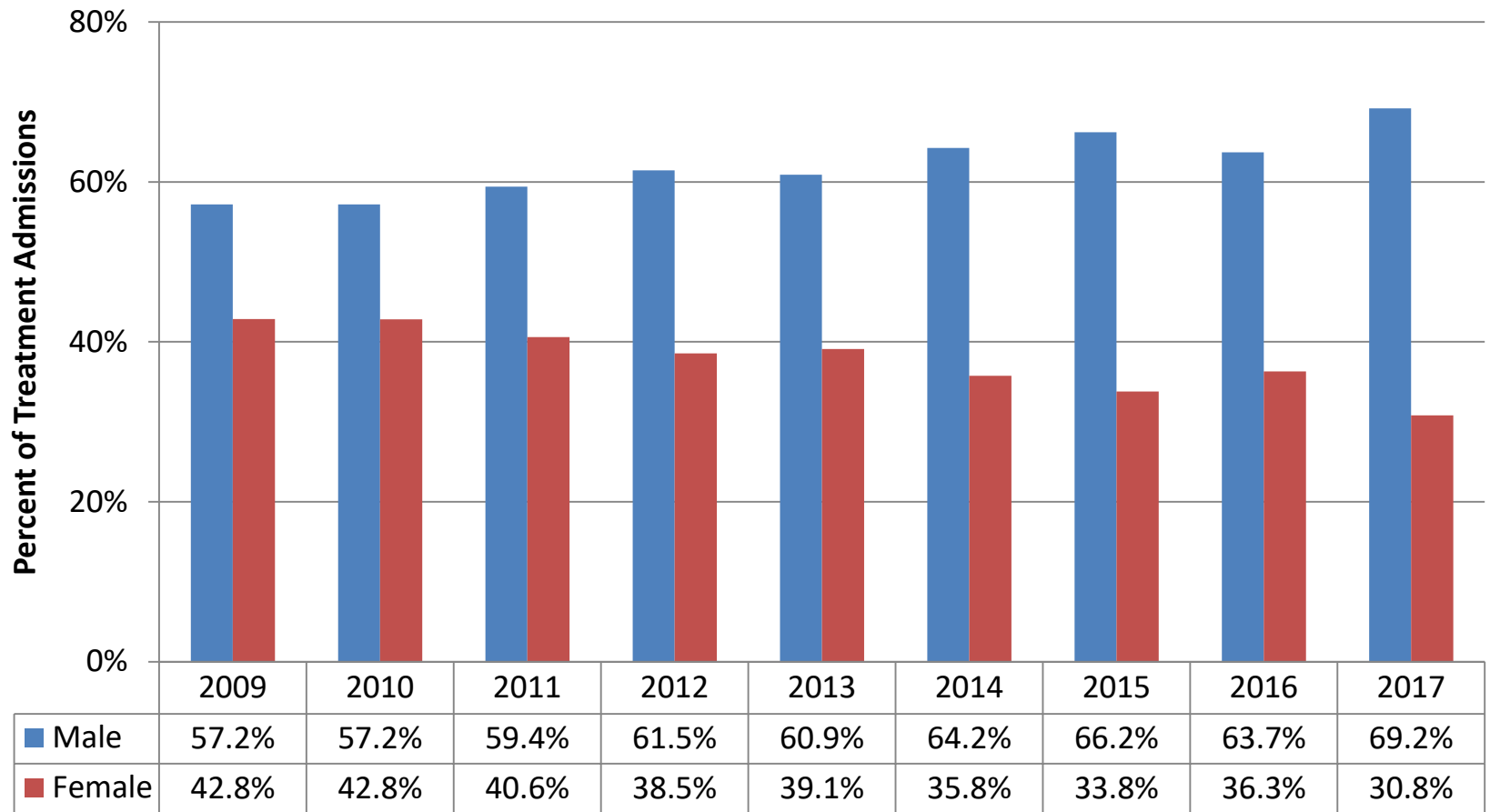


	2009	2010	2011	2012	2013	2014	2015	2016	2017
17 & Under	1.8%	1.8%	1.5%	1.8%	1.4%	1.5%	1.9%	3.4%	4.6%
18 thru 24	15.7%	17.0%	12.1%	11.2%	10.7%	13.0%	16.9%	17.4%	21.6%
25 thru 34	29.1%	30.2%	31.8%	30.1%	32.4%	33.2%	29.7%	32.4%	26.4%
35 thru 44	30.9%	27.3%	26.9%	28.2%	26.9%	20.0%	21.2%	18.4%	19.3%
45 thru 54	19.0%	19.8%	22.6%	23.0%	21.6%	24.2%	23.9%	20.2%	18.5%
55 thru 64	3.3%	3.8%	4.4%	5.3%	6.4%	7.3%	5.6%	7.0%	8.4%
65 & Over	0.2%	0.1%	0.7%	0.5%	0.6%	0.9%	0.8%	1.2%	1.2%



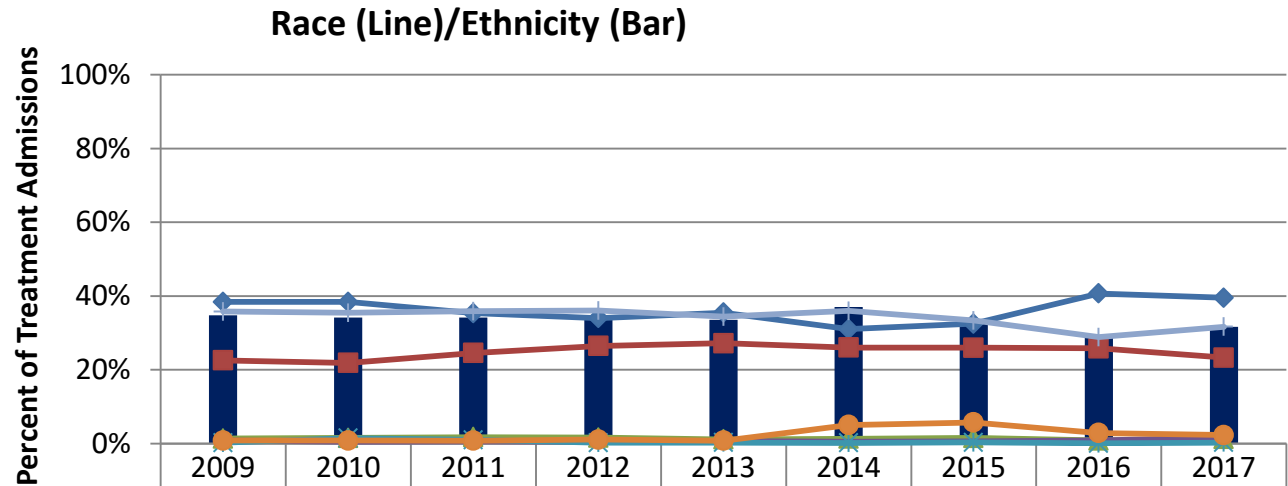
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Cocaine Treatment Admission by Gender



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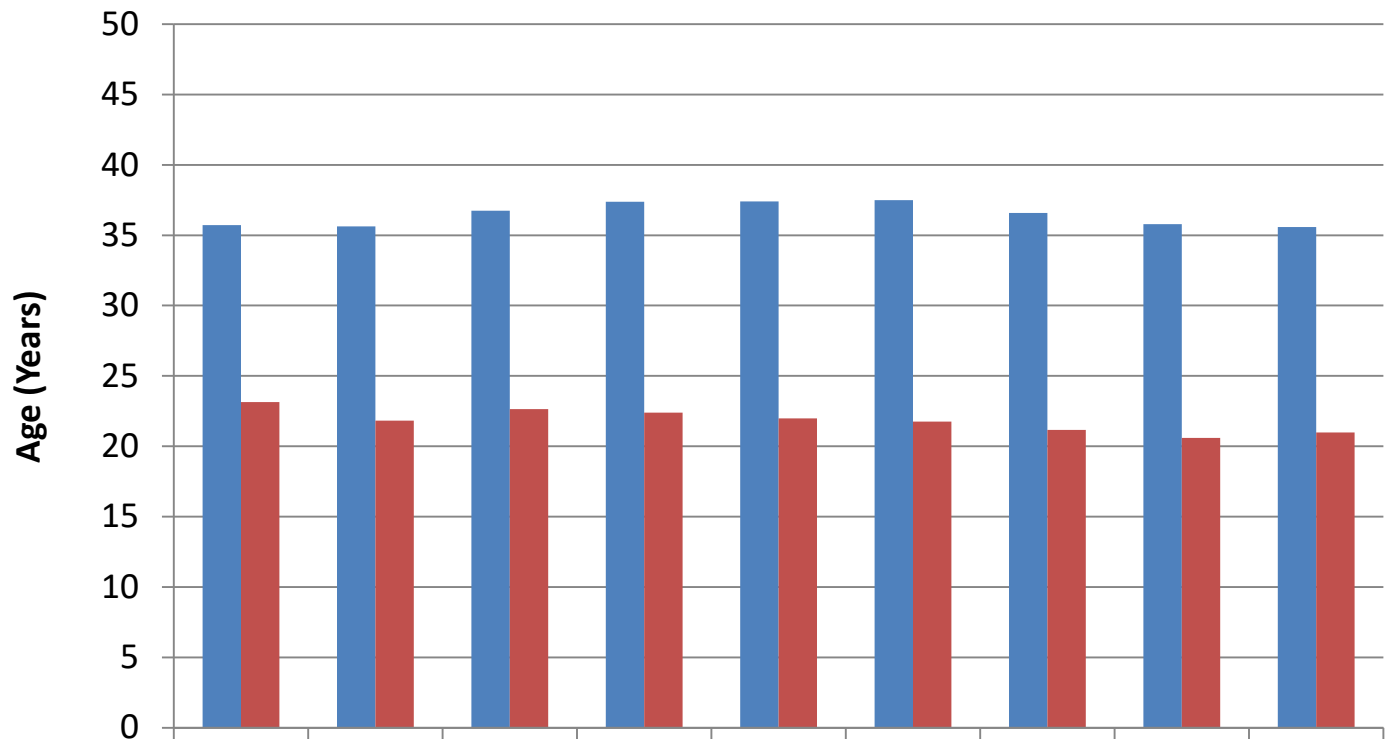
Cocaine Treatment Admissions by Race/Ethnicity



	2009	2010	2011	2012	2013	2014	2015	2016	2017
Hispanic	34.8%	34.2%	34.2%	34.7%	33.5%	37.0%	33.2%	29.4%	31.7%
White	38.4%	38.4%	35.4%	34.0%	35.5%	31.0%	32.5%	40.7%	39.5%
Black	22.6%	21.9%	24.6%	26.5%	27.2%	26.0%	26.0%	25.8%	23.3%
American Indian/Alaskan Native	1.4%	1.5%	1.7%	1.6%	1.1%	1.3%	1.5%	0.8%	1.3%
Asian	0.8%	0.5%	0.6%	0.5%	0.7%	0.5%	0.6%	0.8%	1.7%
Native Hawaiian/Pacific Islander	0.2%	1.5%	1.0%	0.2%	0.3%	0.2%	0.3%	0.1%	0.3%
Declined	0.8%	0.8%	0.8%	1.1%	0.8%	5.1%	5.8%	2.9%	2.3%
Multiracial	35.8%	35.4%	35.9%	36.1%	34.4%	35.9%	33.4%	28.9%	31.7%



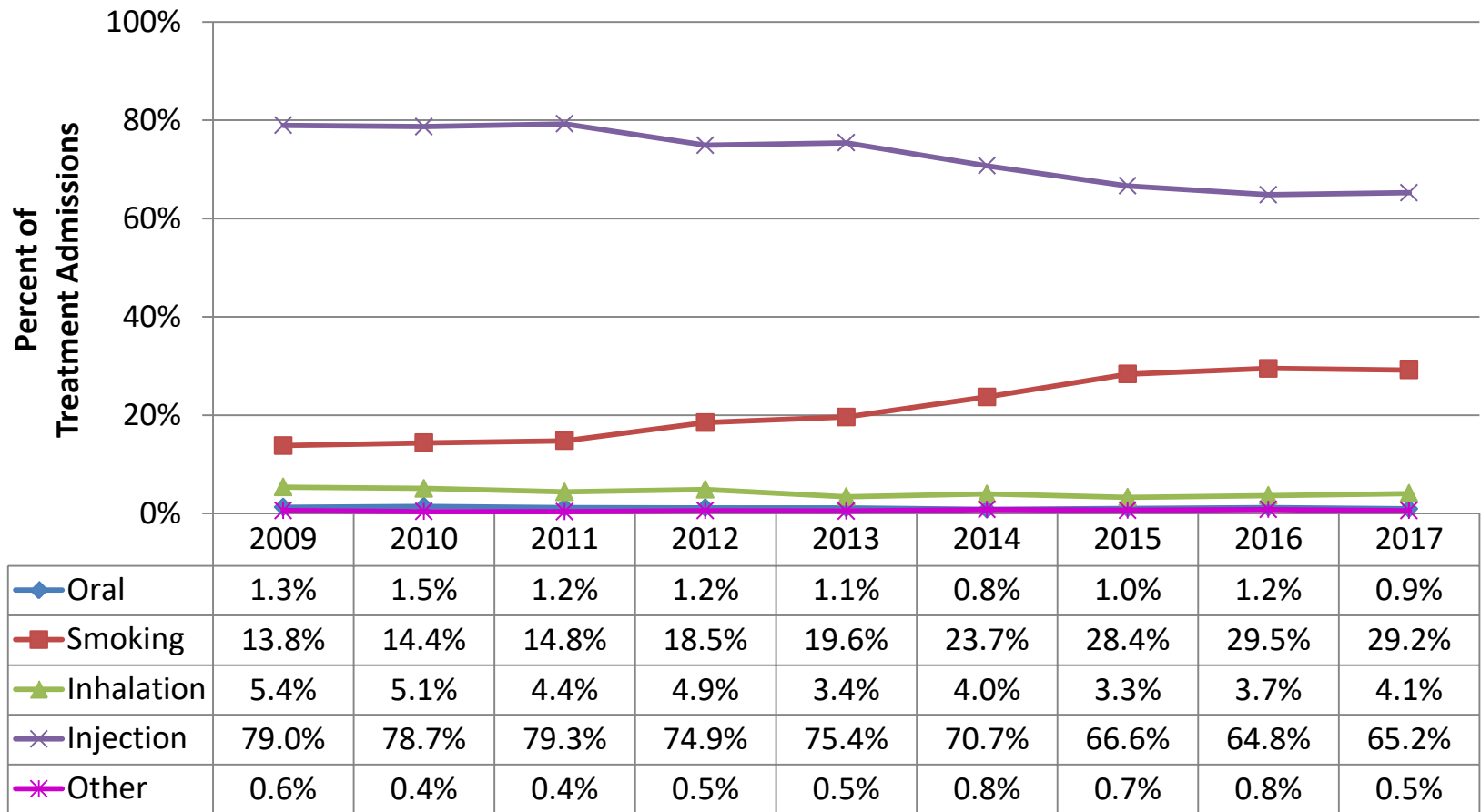
Cocaine Age of First Use Vs. Age at Treatment Admission



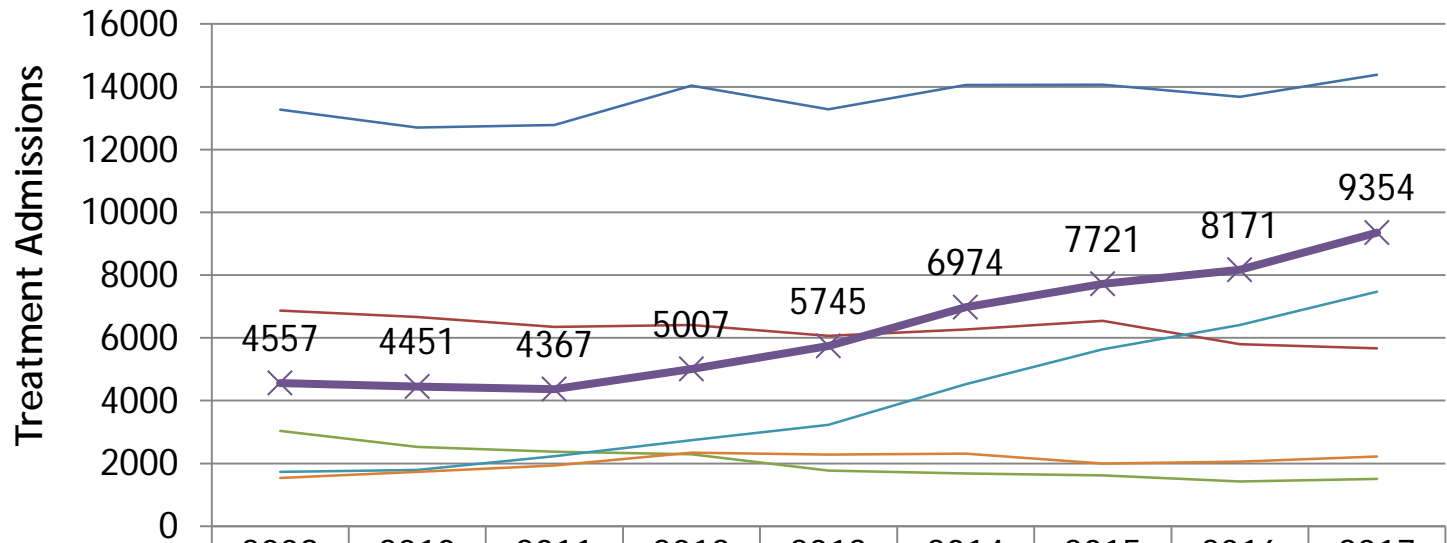
	2009	2010	2011	2012	2013	2014	2015	2016	2017
■ Mean Age at Admission	35.73	35.63	36.74	37.39	37.40	37.50	36.59	35.78	35.59
■ Mean Age of First Use	23.15	21.83	22.64	22.40	21.98	21.76	21.16	20.59	20.98



Cocaine Admissions by Route of Administration



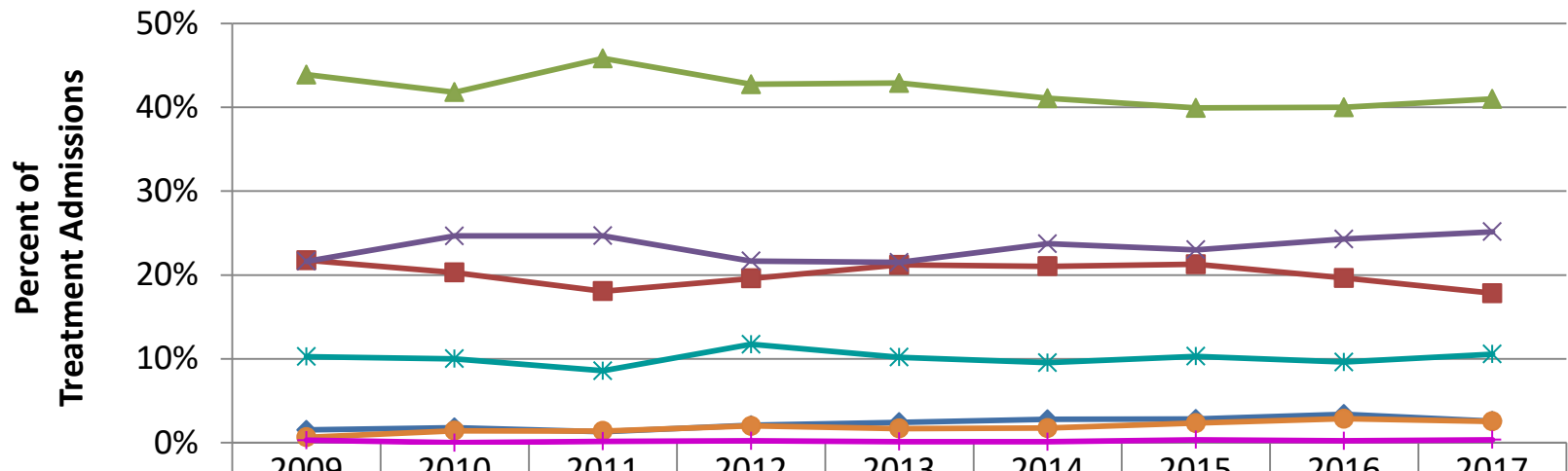
Methamphetamine Treatment Admissions



	2009	2010	2011	2012	2013	2014	2015	2016	2017
— Alcohol	13270	12701	12787	14033	13278	14058	14068	13675	14380
— Marijuana	6872	6669	6350	6413	6069	6264	6545	5797	5665
— Cocaine	3035	2522	2377	2288	1775	1683	1616	1421	1503
✕ Methamphetamine	4557	4451	4367	5007	5745	6974	7721	8171	9354
— Heroin	1731	1789	2234	2746	3228	4528	5640	6406	7475
— Rx Opiates	1536	1736	1931	2341	2282	2315	1993	2061	2219



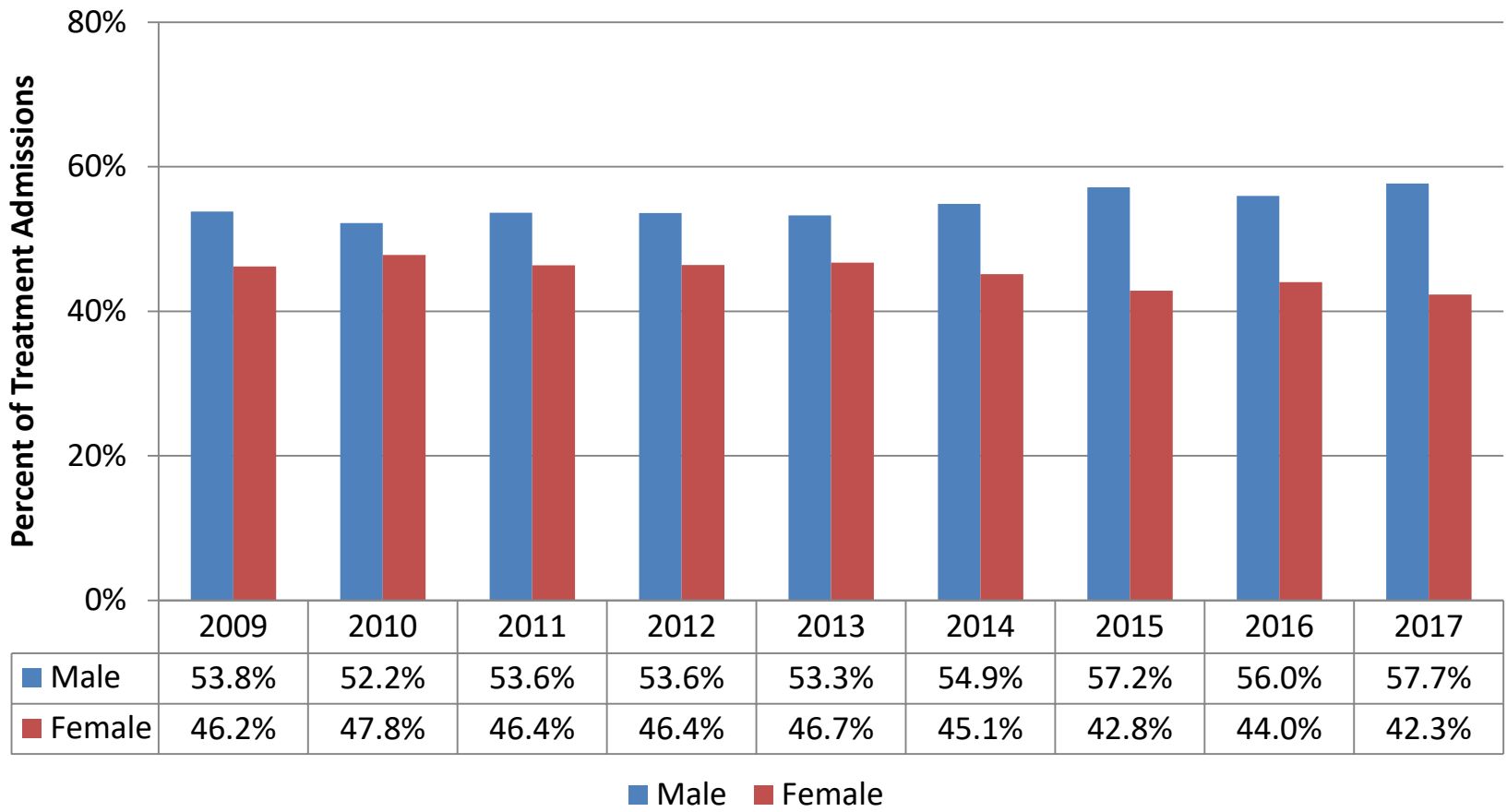
Methamphetamine Treatment Admissions by Age Group



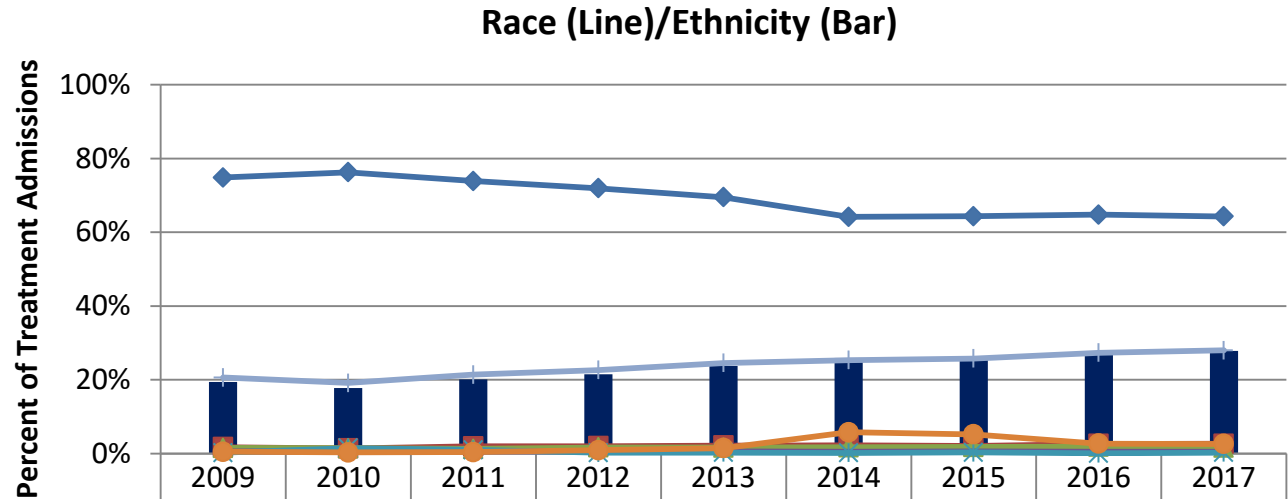
	2009	2010	2011	2012	2013	2014	2015	2016	2017
17 & Under	1.5%	1.8%	1.3%	2.1%	2.4%	2.8%	2.8%	3.4%	2.6%
18 thru 24	21.8%	20.3%	18.1%	19.6%	21.2%	21.0%	21.3%	19.6%	17.8%
25 thru 34	43.9%	41.8%	45.8%	42.7%	42.9%	41.1%	39.9%	40.0%	41.0%
35 thru 44	21.6%	24.7%	24.7%	21.7%	21.5%	23.7%	23.0%	24.3%	25.2%
45 thru 54	10.3%	10.0%	8.6%	11.7%	10.2%	9.5%	10.3%	9.6%	10.6%
55 thru 64	0.6%	1.4%	1.4%	2.0%	1.7%	1.7%	2.3%	2.8%	2.5%
65 & Over	0.3%	0.0%	0.2%	0.2%	0.1%	0.1%	0.3%	0.2%	0.3%



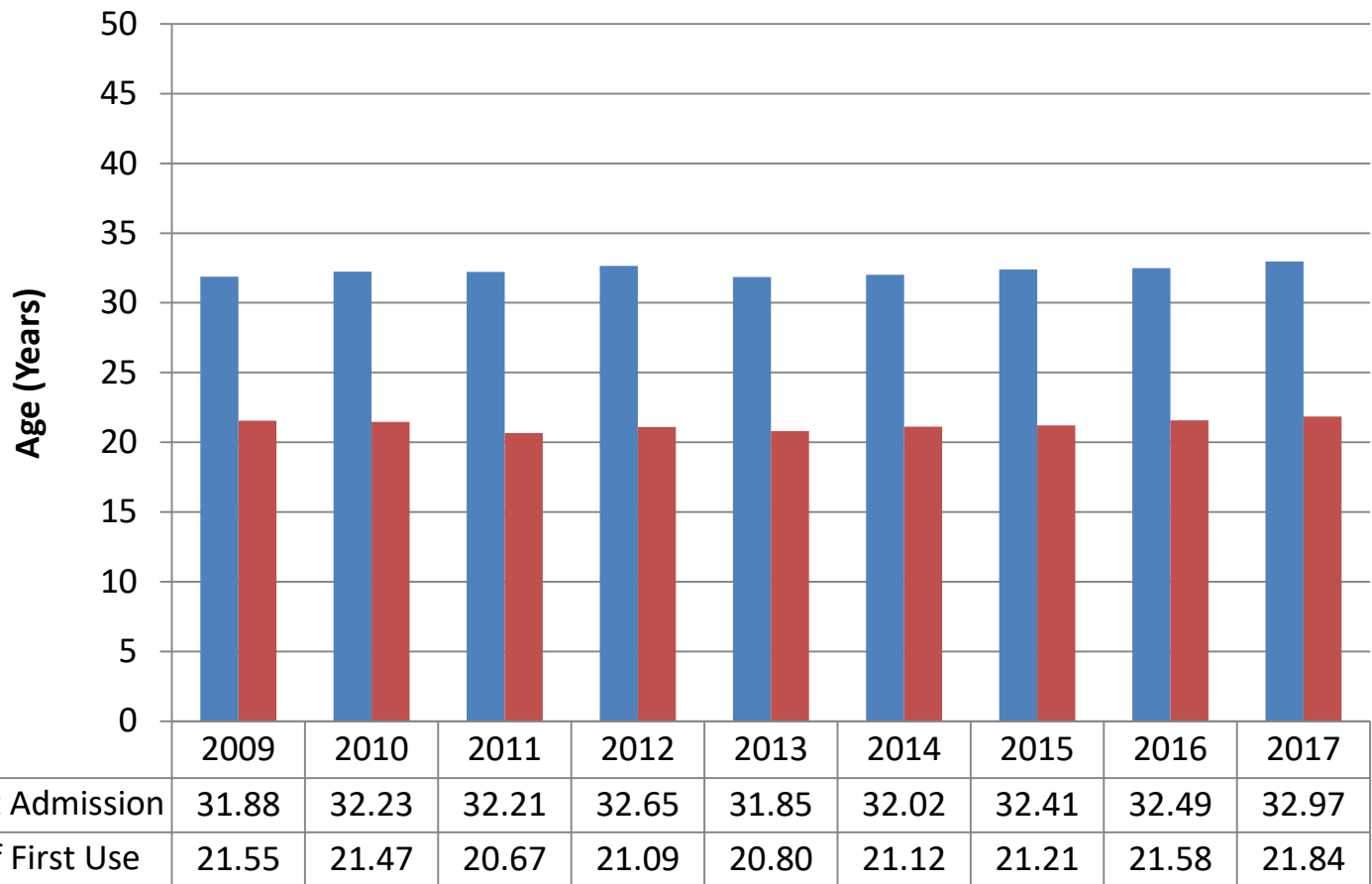
Methamphetamine Treatment Admission by Gender



Methamphetamine Treatment Admissions by Race/Ethnicity

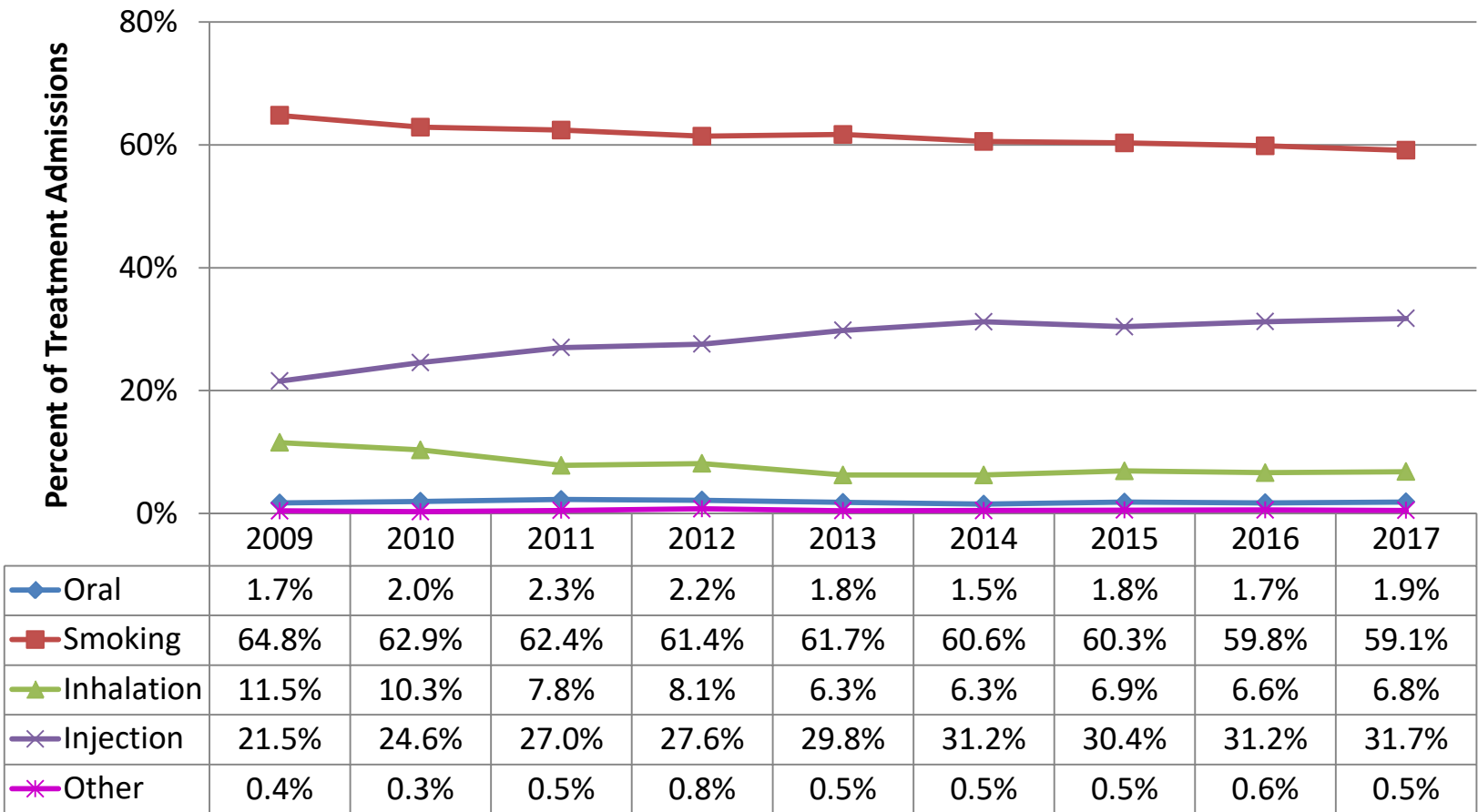


Methamphetamine Age of First Use Vs. Age at Treatment Admission

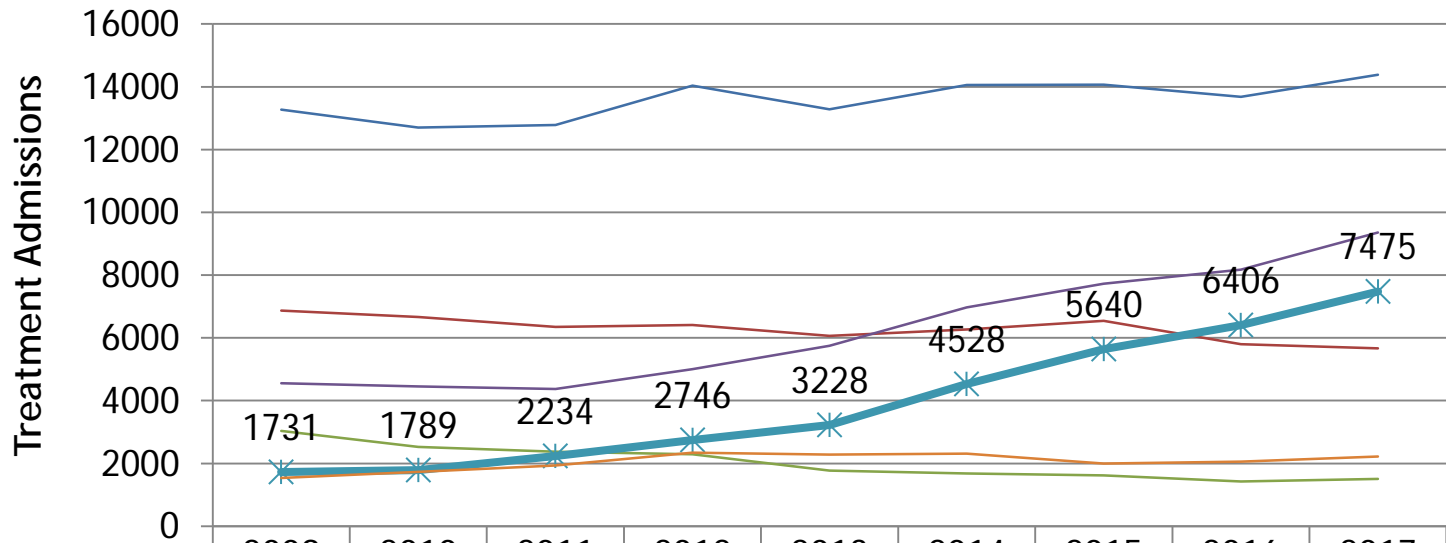


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Methamphetamine Admissions by Route of Administration



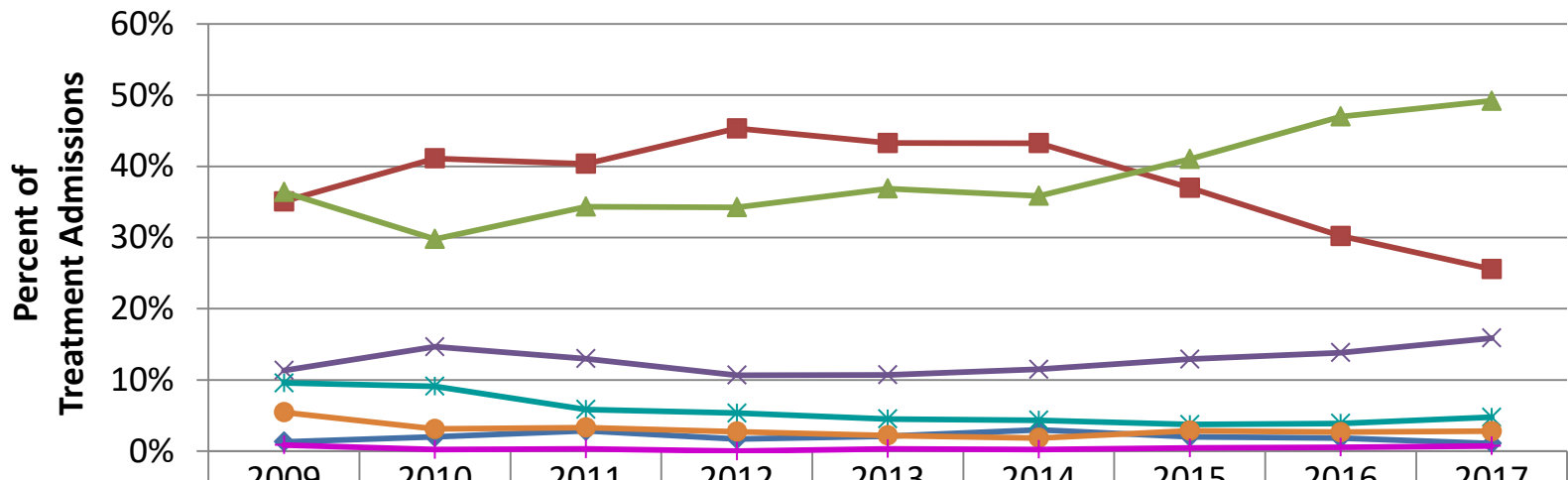
Heroin Treatment Admissions



	2009	2010	2011	2012	2013	2014	2015	2016	2017
— Alcohol	13270	12701	12787	14033	13278	14058	14068	13675	14380
— Marijuana	6872	6669	6350	6413	6069	6264	6545	5797	5665
— Cocaine	3035	2522	2377	2288	1775	1683	1616	1421	1503
— Methamphetamine	4557	4451	4367	5007	5745	6974	7721	8171	9354
* Heroin	1731	1789	2234	2746	3228	4528	5640	6406	7475
— Rx Opiates	1536	1736	1931	2341	2282	2315	1993	2061	2219



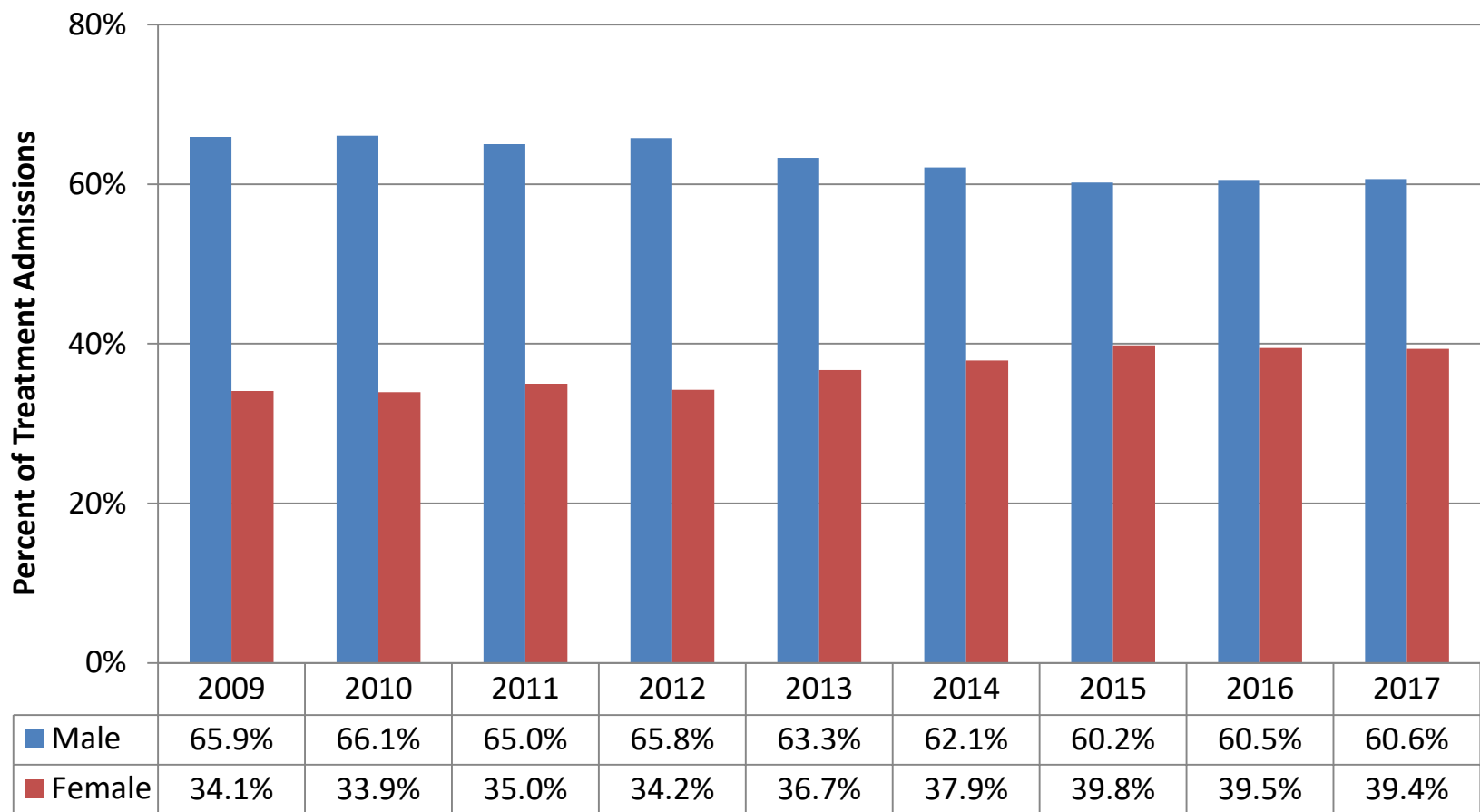
Heroin Treatment Admissions by Age Group



	2009	2010	2011	2012	2013	2014	2015	2016	2017
17 & Under	1.3%	2.0%	2.8%	1.7%	2.1%	3.0%	2.0%	1.8%	1.1%
18 thru 24	35.1%	41.1%	40.3%	45.3%	43.3%	43.2%	37.0%	30.2%	25.6%
25 thru 34	36.4%	29.8%	34.3%	34.2%	36.9%	35.9%	41.0%	47.0%	49.2%
35 thru 44	11.3%	14.7%	13.0%	10.7%	10.7%	11.5%	12.9%	13.8%	15.9%
45 thru 54	9.6%	9.1%	5.9%	5.3%	4.5%	4.3%	3.7%	3.9%	4.8%
55 thru 64	5.4%	3.1%	3.3%	2.7%	2.2%	1.8%	2.9%	2.7%	2.8%
65 & Over	0.9%	0.2%	0.3%	0.0%	0.3%	0.2%	0.4%	0.6%	0.7%

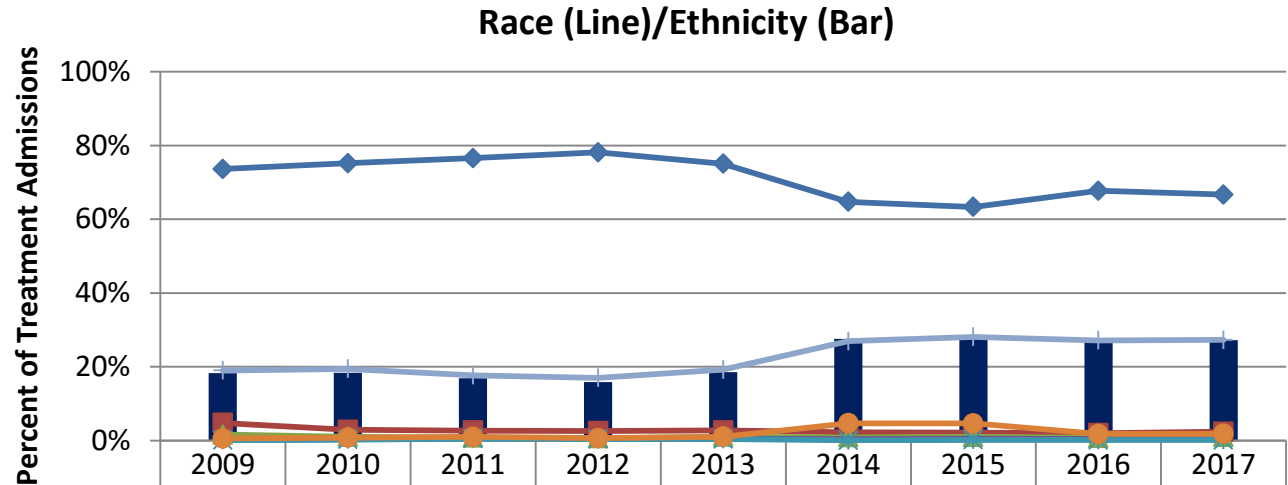


Heroin Treatment Admission by Gender



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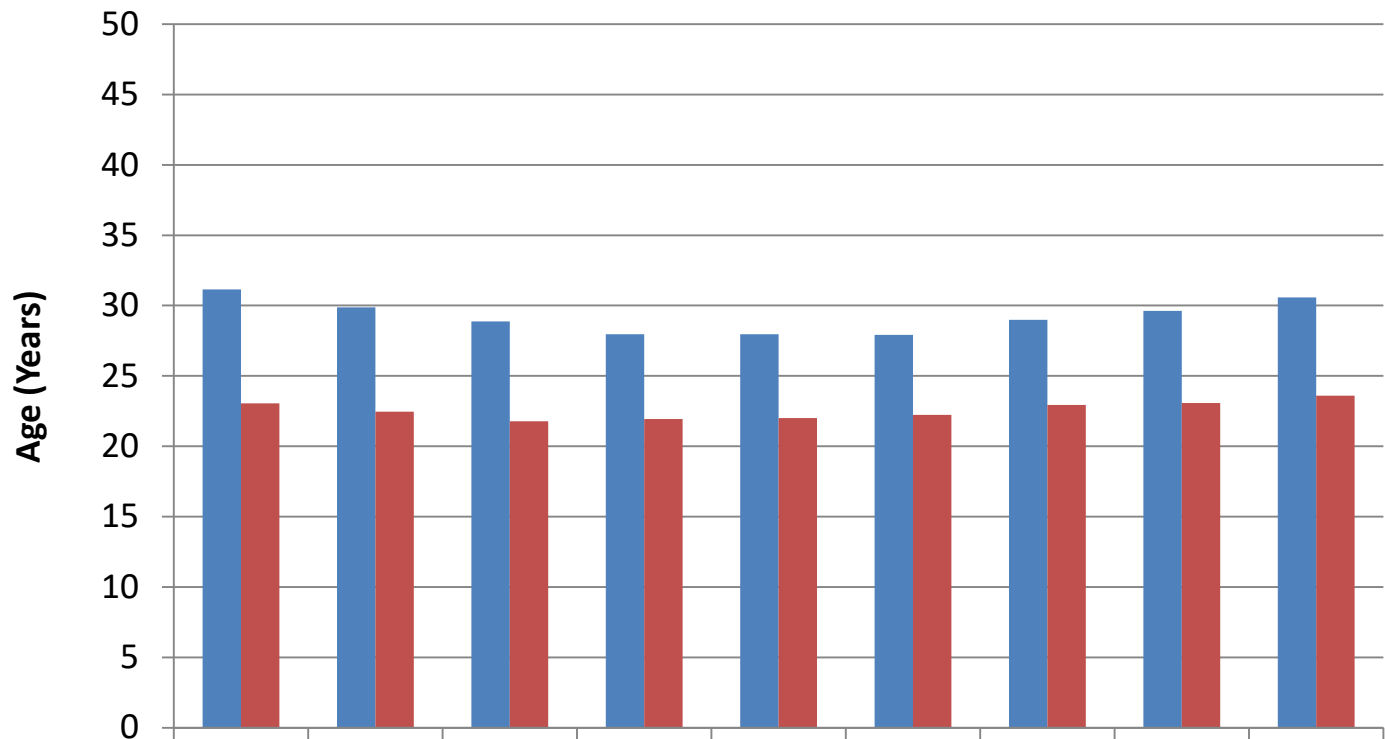
Heroin Treatment Admissions by Race/Ethnicity



	2009	2010	2011	2012	2013	2014	2015	2016	2017
■ Hispanic	18.3%	18.4%	16.9%	15.8%	18.5%	27.6%	28.6%	27.1%	27.3%
◆ White	73.6%	75.2%	76.6%	78.1%	75.1%	64.7%	63.3%	67.7%	66.7%
■ Black	4.8%	2.9%	2.7%	2.6%	2.7%	2.3%	2.2%	2.0%	2.4%
▲ American Indian/Alaskan Native	1.6%	1.1%	0.8%	0.6%	1.1%	0.9%	1.0%	0.8%	0.9%
— Asian	0.3%	0.3%	0.7%	0.6%	0.5%	0.4%	0.5%	0.4%	0.7%
✧ Native Hawaiian/Pacific Islander	0.1%	0.3%	0.5%	0.4%	0.4%	0.0%	0.2%	0.2%	0.1%
● Declined	0.6%	0.8%	1.0%	0.7%	1.1%	4.7%	4.6%	1.8%	1.8%
+ Multiracial	19.0%	19.5%	17.7%	17.0%	19.2%	26.9%	28.1%	27.2%	27.3%



Heroin Age of First Use Vs. Age at Treatment Admission

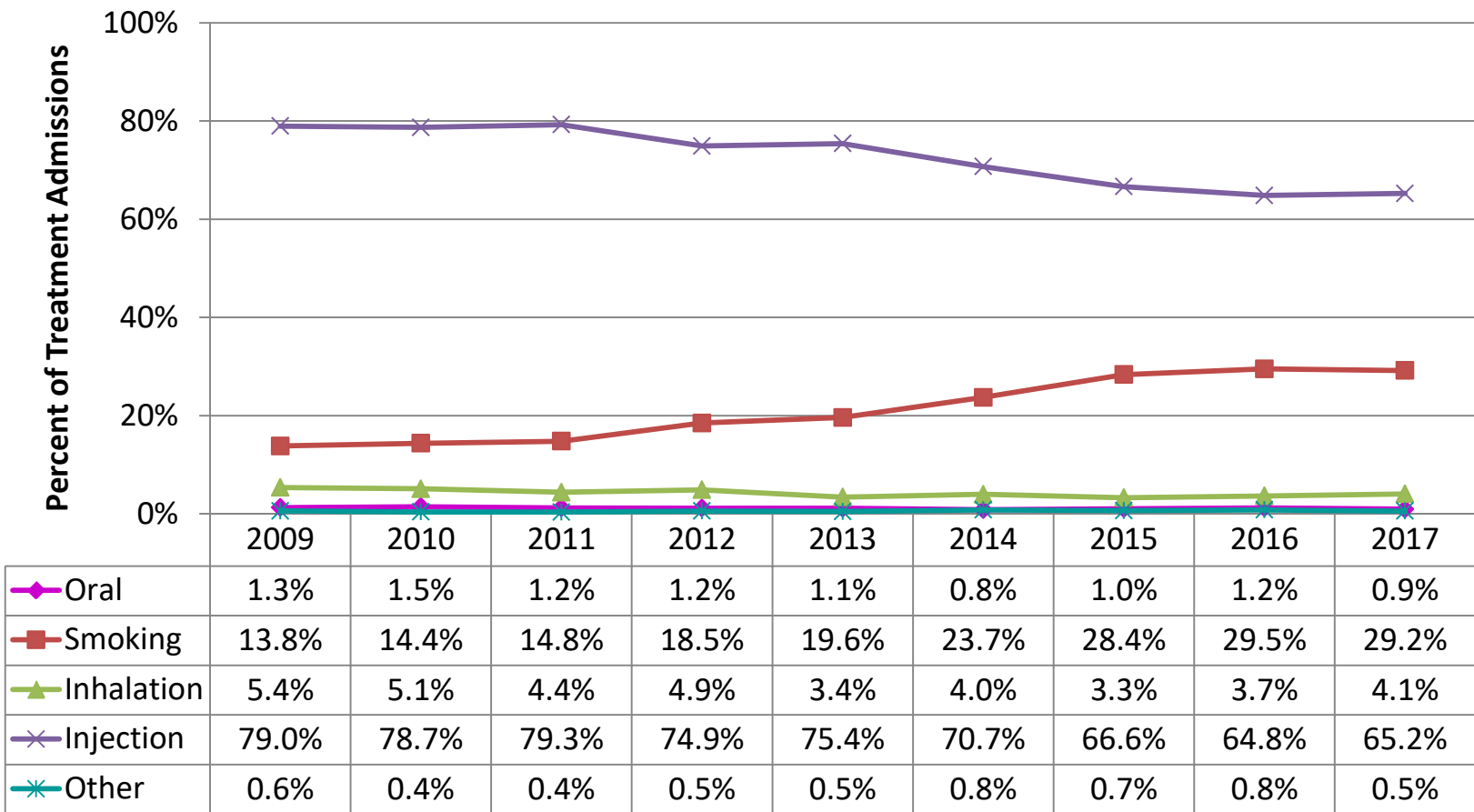


	2009	2010	2011	2012	2013	2014	2015	2016	2017
■ Mean Age at Admission	31.15	29.87	28.87	27.97	27.95	27.93	29.00	29.63	30.58
■ Mean Age of First Use	23.06	22.46	21.78	21.94	22.00	22.23	22.95	23.08	23.59

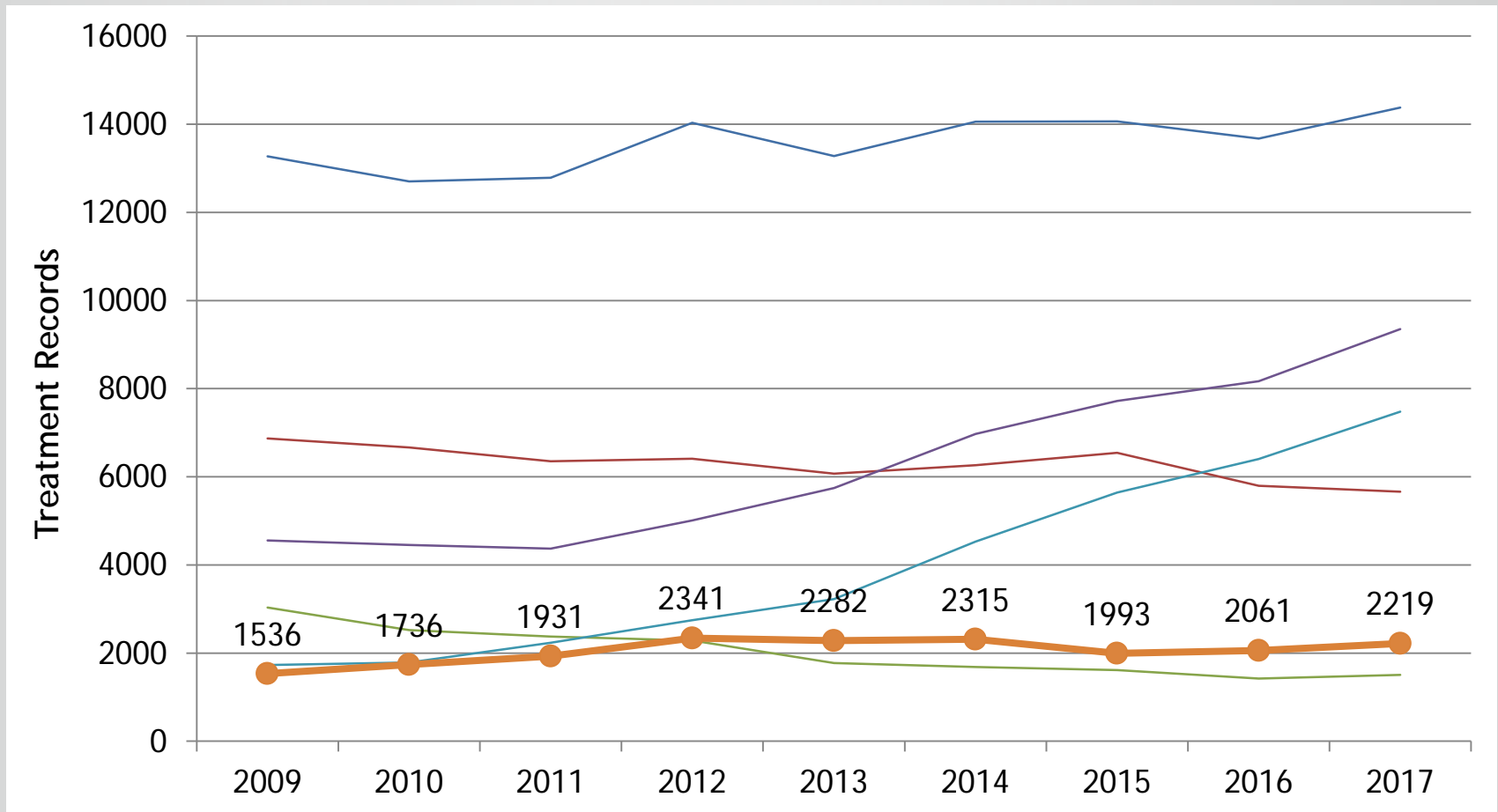


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Heroin Admissions by Route of Administration

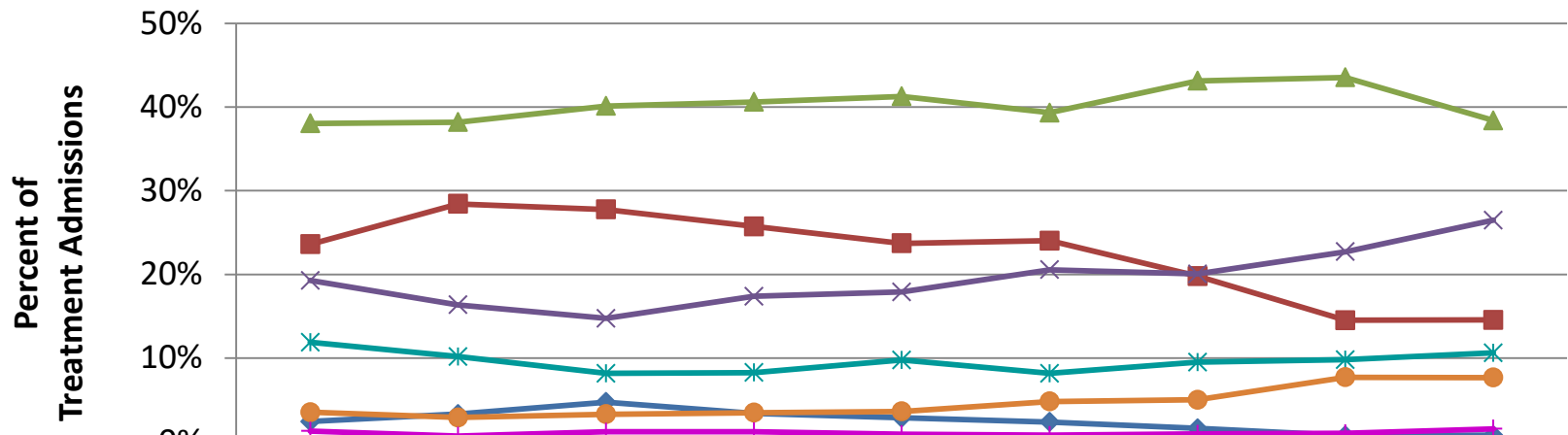


Prescription Opioid Treatment Admissions



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Prescription Opioid Treatment Admissions by Age Group

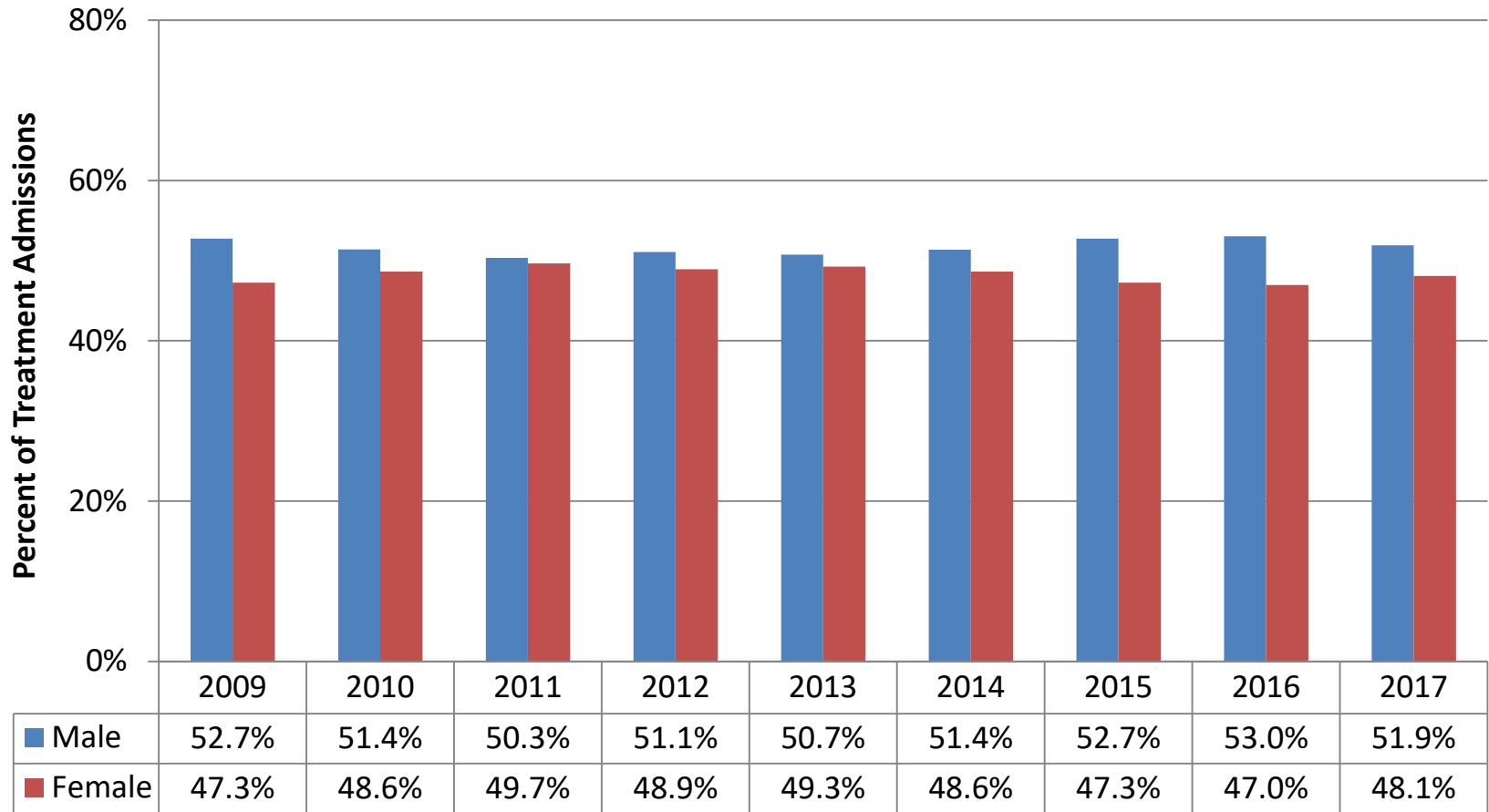


	2009	2010	2011	2012	2013	2014	2015	2016	2017
17 & Under	2.4%	3.3%	4.7%	3.4%	2.9%	2.3%	1.6%	0.7%	0.8%
18 thru 24	23.6%	28.4%	27.8%	25.7%	23.7%	24.0%	19.8%	14.5%	14.6%
25 thru 34	38.0%	38.2%	40.1%	40.6%	41.3%	39.3%	43.1%	43.5%	38.4%
35 thru 44	19.3%	16.3%	14.7%	17.4%	17.9%	20.6%	20.1%	22.7%	26.5%
45 thru 54	11.9%	10.2%	8.2%	8.3%	9.8%	8.2%	9.5%	9.8%	10.6%
55 thru 64	3.5%	2.9%	3.3%	3.5%	3.6%	4.8%	5.0%	7.7%	7.7%
65 & Over	1.3%	0.7%	1.2%	1.2%	0.9%	0.8%	0.9%	1.0%	1.5%



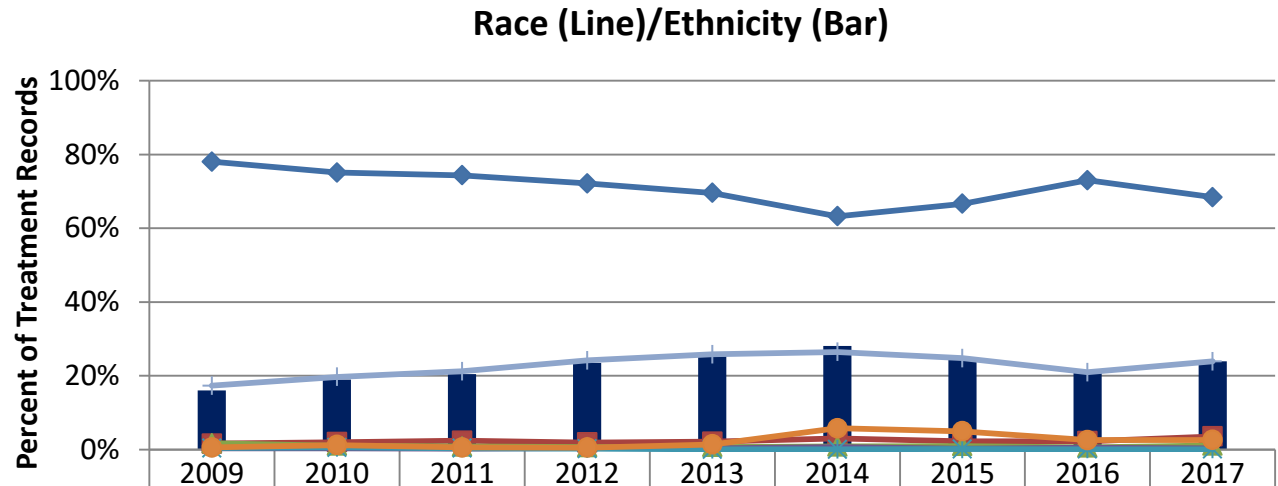
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Prescription Opioid Treatment Admission by Gender



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Prescription Opioid Treatment Admissions by Race/Ethnicity



Prescription Opioid Age of First Use Vs. Age at Treatment Admission



■ Mean Age at Admission	32.61	31.19	30.83	31.41	32.05	32.35	33.23	34.81	35.59
■ Mean Age of First Use	24.86	24.16	23.65	24.02	24.28	23.83	24.15	25.10	24.78



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Summary

- Alcohol has the largest number of treatment admissions since 2009
- Alcohol, Heroin, and Meth account for 75% of all treatment records in CY2017
- Twenty-five through 34 year olds account for the highest volume of treatment admissions for five out of six substances observed
- White race and male gender continue to be the most frequent demographics admitted to treatment
- The gender gap is the smallest for prescription opioids



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Summary

- The table below summarizes the percent change in treatment admissions by drug:

	Alcohol	Marijuana	Cocaine	Meth	Heroin	Rx Opioids
2013	13,278	6,069	1,775	5,745	3,228	2,282
2017	14,380	5,665	1,503	9,354	7,475	2,219
% Change	8.3%	-6.7%	-15.3%	62.8%	131.6%	2.8%



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Questions/Comments?

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