

Substance Abuse/Misuse Community Needs Assessment Report of North Texas - 2019

Presented by the
Substance Abuse/Misuse
Needs Assessment Committee
of the North Texas Community
Health Collaborative

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The Substance Abuse/Misuse Community Needs Assessment Committee

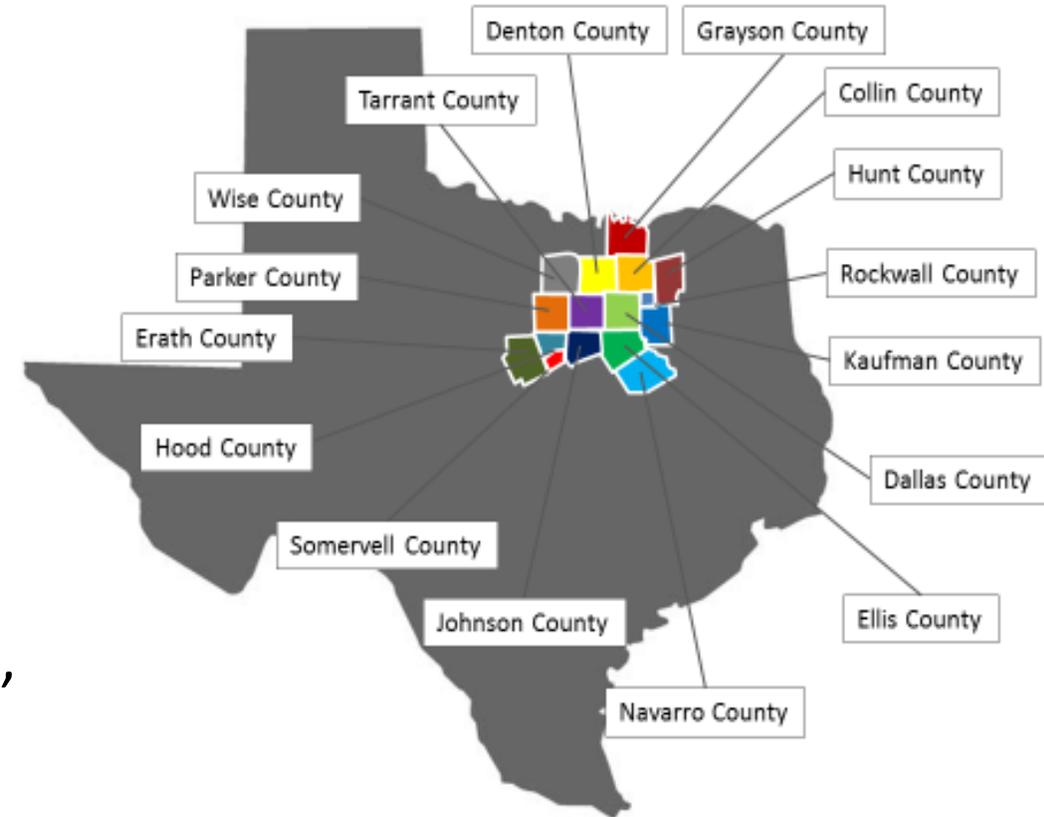
Brad	Walsh (Chair)	Parkland Health & Hospital System
Jennifer	Gilley (Chair)	Tarrant County Challenge
Joann	Schulte	Houston Health Department
Ashleigh	Kinney	Texas Scottish Rite Hospital for Children
Rebecca	Deisler	UT Southwestern
Stacie	Goran	Children's Health
Erica	Stockbridge	UNT Health Science Center
Sonia	Redwine	United Way Denton
Catherine	Oliveros	Texas Health Resources
Teneisha	Kennard	JPS Health System
Nicole	Chisolm	Prism North Texas
Brett	Hartkopp	Medical City Healthcare
Melanie	Dooley	Kindred Health System
Kurt	Kleinschmidt	UTSW and Poison Control Center
Cynthia	Velazquez	Drug Enforcement Administration
Stella	Coker	Methodist Health System
Kayla	Fair	Texas Health Resources



Substance Abuse/Misuse Community Needs Assessment

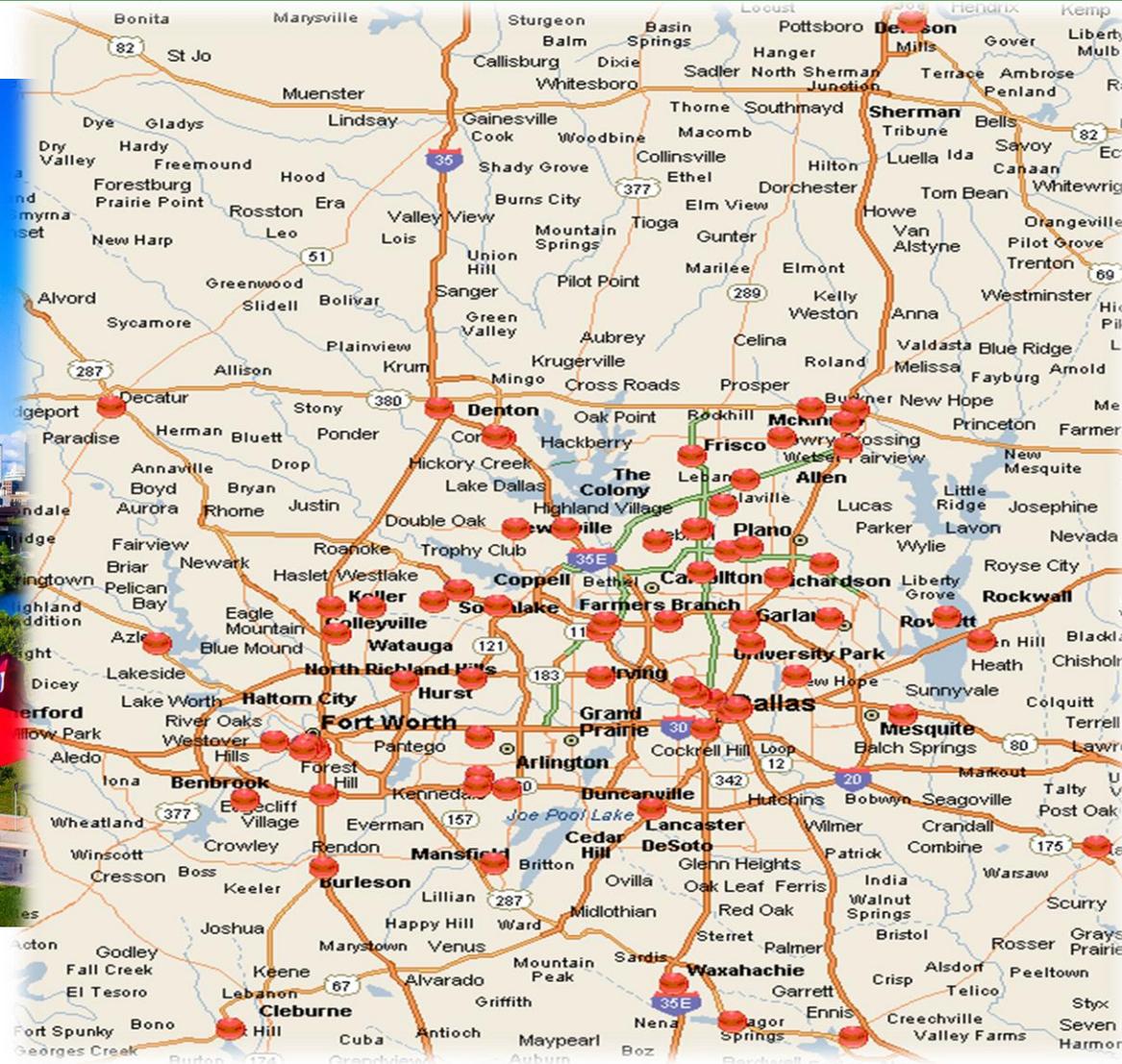
An Assessment of 16 North Texas Counties

Collin, Dallas, Denton, Ellis, Erath, Grayson, Hood, Hunt, Johnson, Kaufman, Navarro, Parker, Rockwall, Somervell, Tarrant & Wise



Total Population: 7,621,472
Area: 12,791 square miles

DFWHC Foundation Claims Data Warehouse



The Dallas-Fort Worth Hospital Council Foundation Data Warehouse contains comprehensive hospital visit data from 98 partner hospitals.

Data Representation

This Community Needs Assessment's goal was to assess substance abuse/misuse in 16 individual counties so community leaders could make decisions based on raw data measured down to the zip code level in 2017. Therefore, no data has been subjected to any higher-level statistical analysis unless noted.



Data and Information Sources

- DFWHC Foundation's Hospital Claims Warehouse (over 70 M claims since 1999 for 11.5 M patients)
- U.S. Department of Health and Human Services (HHS) (<https://www.hhs.gov>)
- Department of State Health Services (DSHS)(<https://www.dshs.texas.gov>)
- U.S. Census Bureau (<https://www.census.gov>)
- Texas Demographic Center (<http://txsdc.utsa.edu>)
- Texas Board of Pharmacy (TSBP) (<https://www.pharmacy.texas.gov>)
- Texas Education Agency (TEA) (<https://tea.texas.gov>)
- National Institute on Drug Abuse (NIDA) (<https://www.drugabuse.gov>)
- Texas Poison Center (<https://tabexternal.dshs.texas.gov/>)
- Substance Abuse and Mental Health Services Administration (SAMHSA) (<https://www.samhsa.gov>)
- Healthy North Texas (www.healthyntexas.org)
- CDC Wonder (<https://wonder.cdc.gov>)



Drug-Free Schools and Communities Act Amendments of 1989 (DFSCA)

Drug and Alcohol Prevention Program

- This law requires institutions receiving federal financial assistance to establish drug and alcohol abuse prevention programs for students and employees.
- Students and employees must receive materials annually that contain standards of conduct, a description of the laws that apply in that jurisdiction regarding alcohol and drugs, a description of the various health risks of drug and alcohol abuse, a description of counseling and treatment programs available, and a statement on the sanctions the university will impose for a violation of the standards of conduct.



Jeanne Clery Act

- The Clery Act is a consumer protection law that aims to provide transparency on campus crimes and statistics.
- The law is named after Jeanne Clery, a 19-year-old Lehigh University student who in 1986 was tragically raped and murdered by a student she did not know on campus. Ms. Clery's parents believed she would have been more cautious had she been aware of crimes that had taken place on campus. Her murder triggered a backlash against unreported crimes on campuses.
- The Clery Act requires all colleges and universities that participate in federal financial aid programs to disclose information about crimes on and near their respective campuses. Compliance is monitored by the U.S. Department of Education, which can impose civil penalties up to \$54,789 per violation for each infraction and can suspend institutions from participating in federal student financial aid programs.



Education

Schools, colleges and universities have varying degrees of prevention, assessment and treatments of students and faculty for Substance Abuse/Misuse, including:

- Counseling (on and off campus);
- Education (in orientation, support groups and in response to events);
- Notes to parents/guardians and reports placed in the student records;
- Fining students through the new Bursar Office for Alcohol and Drug Offenses – First Offense - \$75, Second Offense - \$100, Third Offense- \$150.

Data is collected and published in varying degrees from individual entities (college/university) and university systems.

Data from a review of the major North Texas colleges/universities show that **alcohol and illicit drugs** are the majority of Substance Abuse/Misuse events.



Best Practice Sites

- NIDA's mission is to advance science on the causes of drug use and addiction and to apply that knowledge to improve public health. <https://www.drugabuse.gov/publications/principles-drug-addiction-treatment-research-based-guide-third-edition/evidence-based-approaches-to-drug-addiction-treatment>
- SAMHSA's mission is to reduce the impact of substance abuse and mental illness in America. <https://www.samhsa.gov/prescription-drug-misuse-abuse/samhsas-efforts>
- NAADAC's mission is to lead and empower addiction-focused professionals to achieve excellence through education, advocacy, standards of practice, professional development and research. https://www.naadac.org/assets/2416/substanceuse_misusetoolkit9.pdf
- The National Council for Behavioral Health is the unifying voice of America's health care organizations that deliver mental health and addiction treatment. <https://www.thenationalcouncil.org/wp-content/uploads/2017/05/Prevention-Paper-FINAL.pdf>
- The National Institute on Alcohol Abuse and Alcoholism (NIAAA) is one of the 27 centers that comprise the National Institutes of Health (NIH). NIAAA conducts research on the impact of alcohol on a human's health and well-being. It is the largest funder of alcohol research in the world. <https://www.niaaa.nih.gov/>



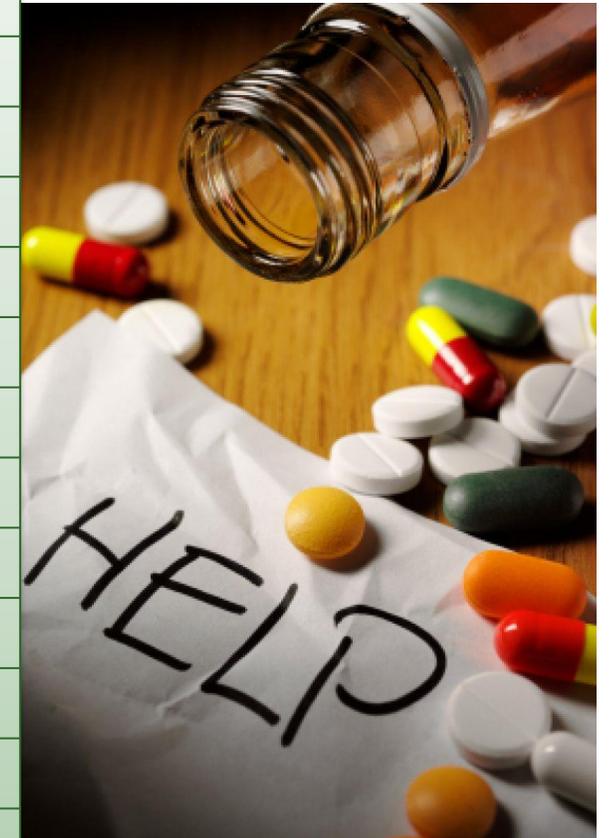
Best Practice Sites

- The Texas Alcoholic Beverage Commission (TABC) is the agency that regulates the alcohol beverage industry. Duties of the commission include regulating sales, tax, importation, manufacturing, transporting and advertising of alcoholic beverages.
<https://www.tabc.state.tx.us/education/index.asp>
- National Social Norms Center at Michigan State University links best evidence with practice to promote effective social norms campaigns to improve health on college campuses. <https://socialnorms.org>
- Challenge of Tarrant County has become synonymous with education, advocacy and program development in the community's effort to prevent and treat addiction. <http://challengetc.org/index.html>
- CampusHealthandSafety.org is a resource for higher education administrators, students and parents who are seeking information about creating healthier and safer environments students on campus and in the community.
<http://www.campushealthandsafety.org/effectiveprevention/>



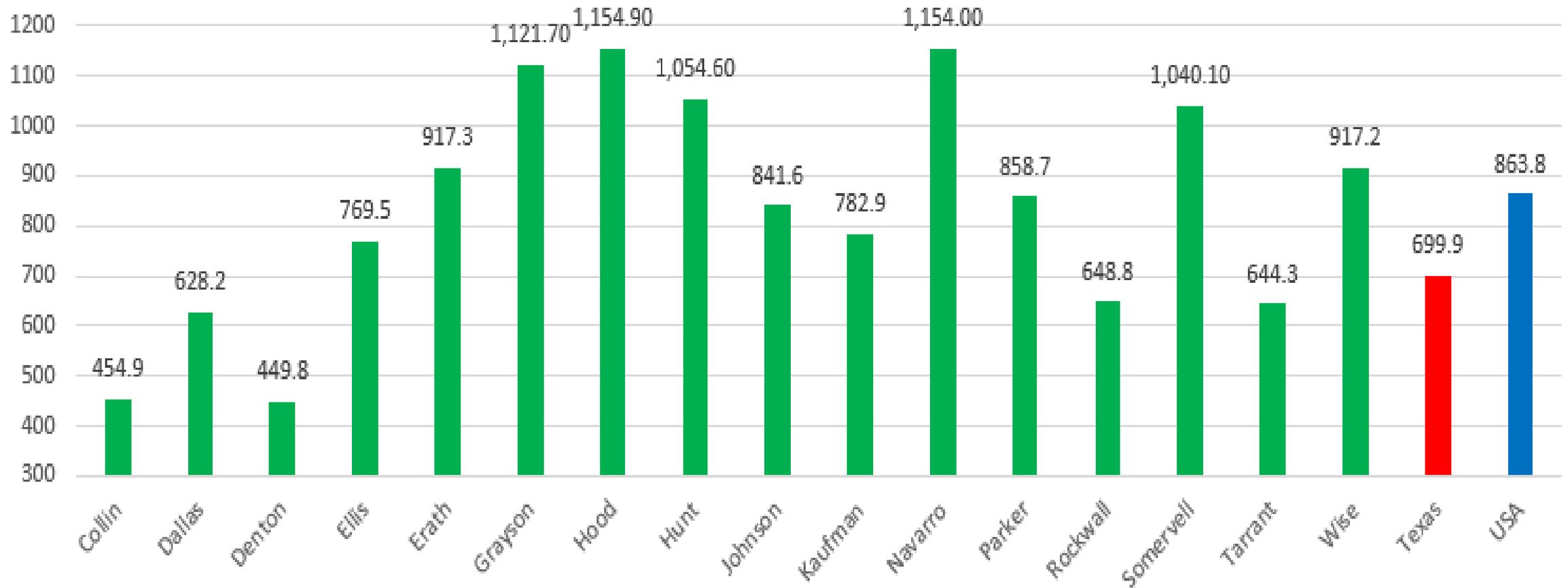
Deaths attributed to Drugs/Alcohol in Texas in 2017*

<u>Age Groups</u>	<u>Sum of Deaths</u>
< 1 year	2,284
1-4 years	417
5-14 years	585
15-24 years	2,820
25-34 years	4,393
35-44 years	6,288
45-54 years	13,636
55-64 years	28,663
65-74 years	37,506
75-84 years	44,144
85+ years	51,173
<u>Total</u>	<u>191,909</u>



*All data from <https://wonder.cdc.gov>

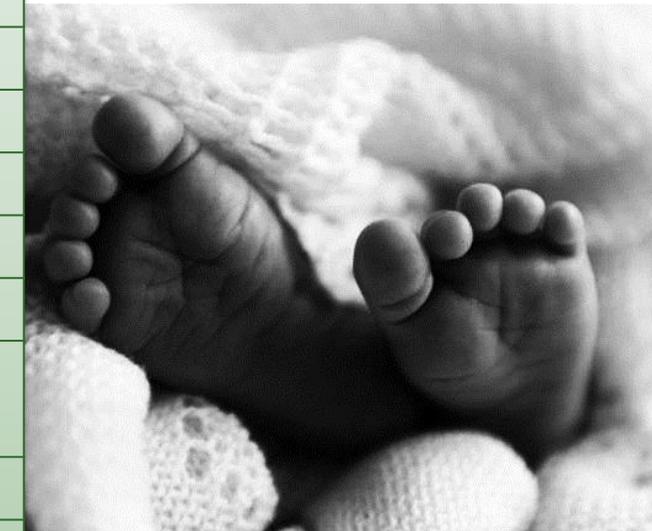
Deaths attributed to Drugs/Alcohol in 16 counties in 2017*



*Crude rate per 100,000. All data from <https://wonder.cdc.gov>.

Characteristics of Maternal/Infant Substance Abuse/Misuse Diagnosis in 16 Counties (2017 Data)

Total Cases			172,777
		Age (years)	Cases
Infant (Positive Toxicity)		0-1	35,082
Maternal			
		18-25	46,314
		26-40	83,071
Race			
		White	92,139
		Black	35,849
		Other*	34,959
Ethnicity			
		Hispanic/Latino	49,667
		Not Hispanic/Latino	123,002
* Other: Race-mixed race, Self blinded, Not recorded			



Top-10 prescriptions dispensed in 16 Counties in 2017*

	Drug	Example of Drug	Prescriptions
1	OPIATE AGONISTS	Codeine, Morphine, Vicodin,	4,840,563
2	BENZODIAZEPINES (ANXIOLYTIC, SEDATIV/HYP)	Valium, Xanax	1,840,039
3	AMPHETAMINES	Adderall, Vyvanse, Ritalin	1,159,927
4	ANXIOLYTICS, SEDATIVES, AND HYPNOTICS, MISC	Ambien, Buspar, Benadryl	953,103
5	BENZODIAZEPINES (ANTICONVULSANTS)	Klonopin	566,060
6	AMPHETAMINE DERIVATIVES	Ephedrine, Pseudoephedrine	455,509
7	RESPIRATORY AND CNS STIMULANTS	Dexedrine	427,803
8	ANDROGENS	Testosterone	377,250
9	ANTITUSSIVES	Guaifenesin	356,367
10	ANTICONVULSANTS, MISCELLANEOUS	Lyrica, Tegretol	263,331



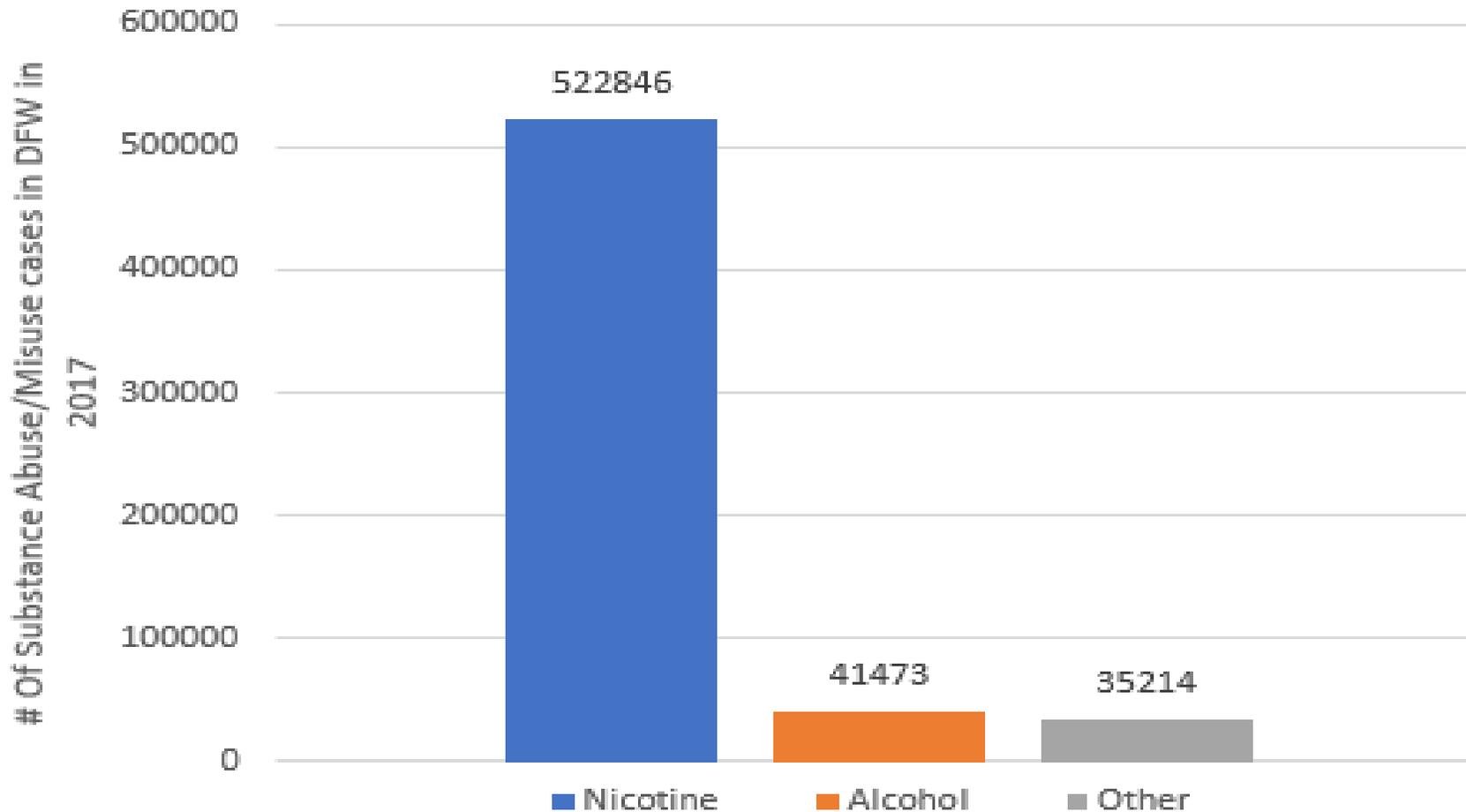
*The Texas Board of Pharmacy (TSBP) (<https://www.pharmacy.texas.gov>)

Substance Abuse/Misuse numbers in the North Texas Counties 2017

County	Total visits	White	Black	Other	Non-Hispanic or Latino	Uninsured (%)
Collin	41,022	70%	17%	2%	92%	35%
Dallas	214,621	47%	43%	8%	83%	48%
Denton	40,726	71%	14%	13%	93%	37%
Ellis	15,751	70%	16%	14%	87%	36%
Erath	3,760	95%	2%	2%	99%	40%
Grayson	14,693	88%	9%	3%	97%	31%
Hood	1,886	89%	1%	9%	96%	26%
Hunt	11,727	78%	15%	6%	99%	35%
Johnson	25,984	91%	3%	5%	97%	37%
Kaufman	9,019	75%	13%	11%	97%	30%
Navarro	1,846	54%	20%	25%	90%	34%
Parker	10,053	93%	1.5%	5%	98%	36%
Rockwall	4,381	39%	4%	56%	97%	27%
Somervell	68	87%	-	13%	97%	18%
Tarrant	175,463	60%	28%	10%	90%	43%
Wise	7,233	85%	-	13%	94%	12%

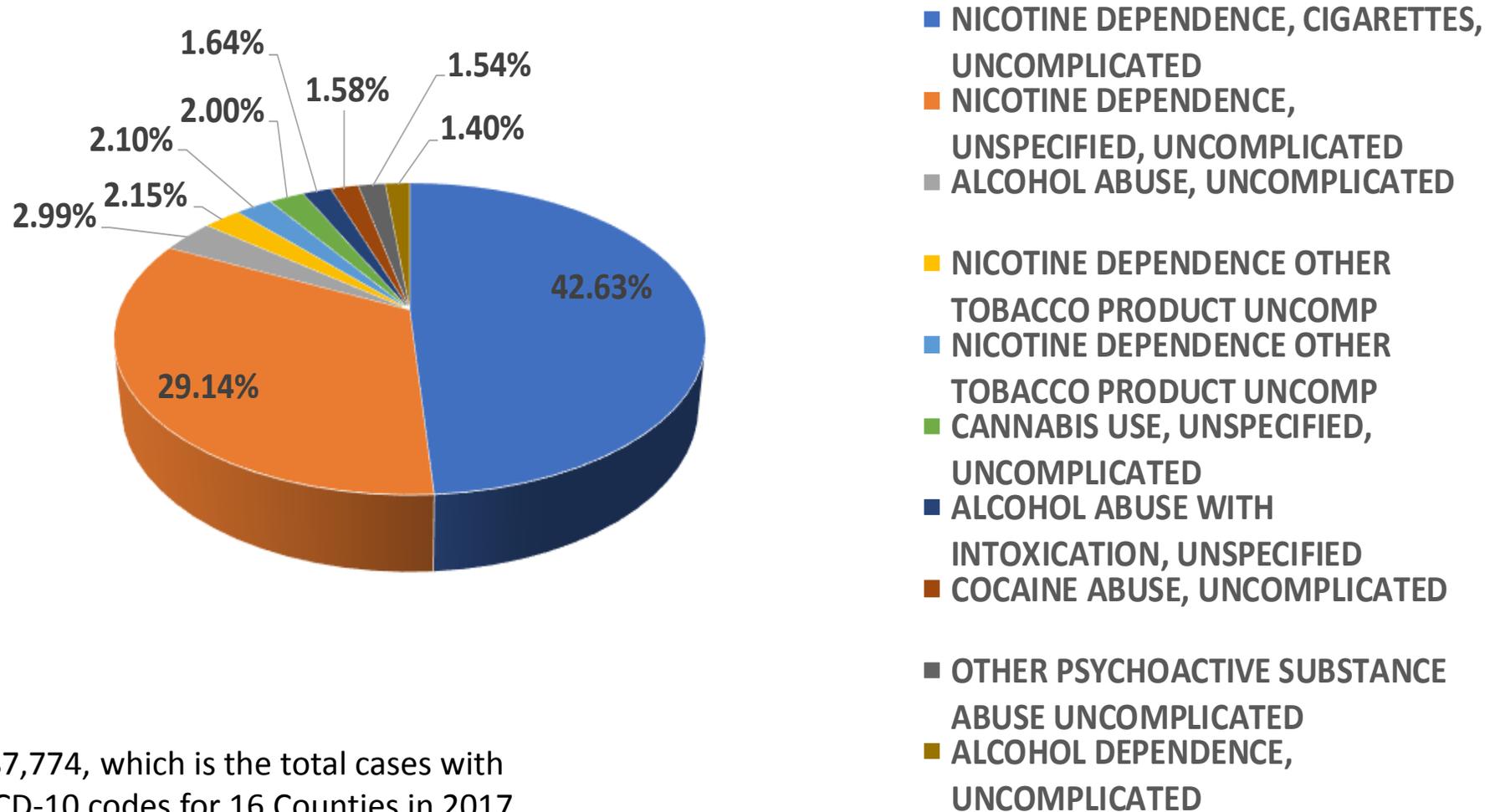


Top Substance Abuse/Misuse visits in 16 Counties 2017*



*N (encounter) = 687,774, which is the total cases with Substance Abuse ICD-10 codes for 16 counties in 2017

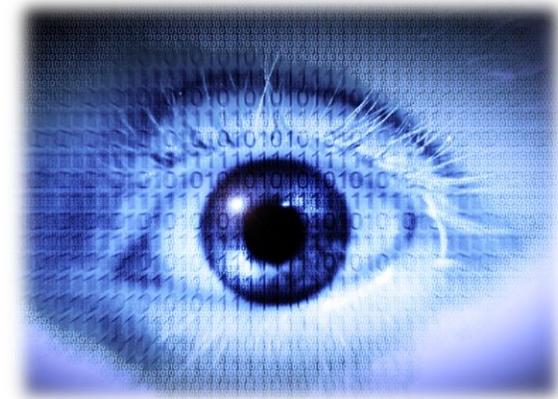
Top-10 Substance Abuse/Misuses in 16 Counties 2017



- N (encounter) = 687,774, which is the total cases with Substance Abuse ICD-10 codes for 16 Counties in 2017

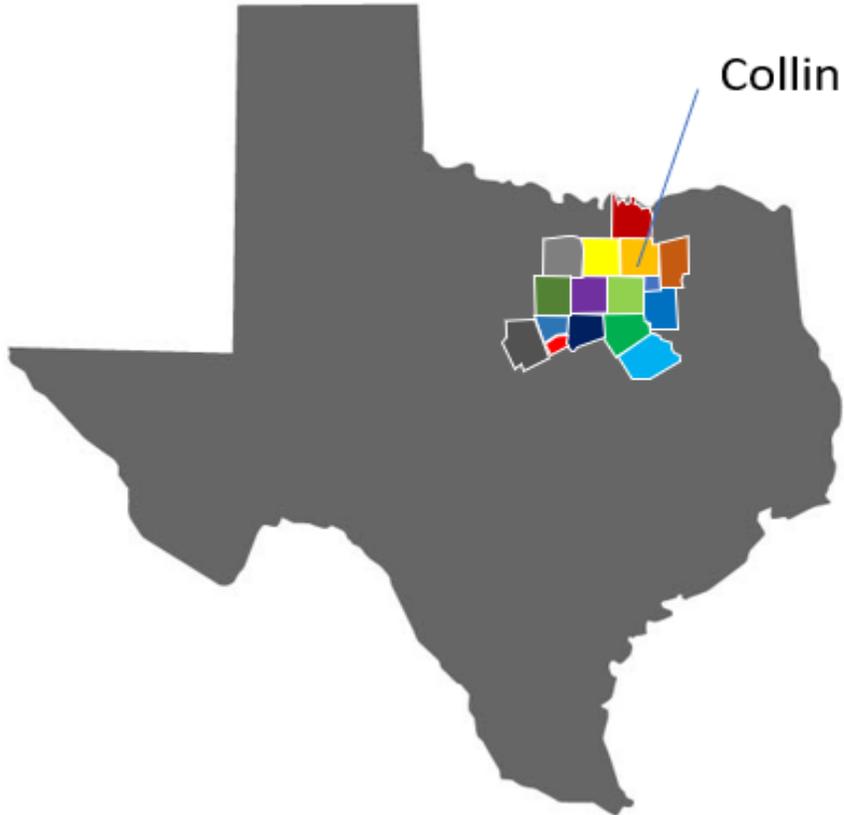
Regional Findings

- A total of 191,909 deaths due to drugs/alcohol in Texas in 2017 (CDC.Gov)
- 11 North Texas counties had more deaths due to drugs/alcohol than Texas rate (699.9 per 100,000) in 2017
- 7 North Texas Counties had more deaths due to drugs/alcohol than national rate (863.8 per 100,000) in 2017
- Opioids (codeine, morphine, Vicodin) were the most dispensed prescriptions in North Texas in 2017
- 172,777 cases of maternal and infant substance abuse/misuse were diagnosed in 2017
- 35,082 infants were born with substance abuse/misuse diagnoses in 2017
- Total substance abuse/misuse cases reported in 2017: 687,774
- 2017 numbers for Nicotine 522,846 (76.02%), Alcohol 414,73 (6.03%) and Drugs 35,214 (5.12%)
- Nearly 80% were outpatient visits (Dallas and Tarrant 90%) and over 80% were discharged to home



Substance Misuse Community Needs Assessment

Collin County



Collin

Total Population: 977,394
Area: 841.2 Sq. Mile

Patients with the Highest Numbers of Visits

Patient	Number of Emergency Department Visits	Total Charges Filed/Patient
1	42	\$773,943
2	36	\$34,568
3	33	\$791,554
4	31	\$285,832
5	30	\$134,735
6	29	\$193,489
7	29	\$103,158
8	29	\$30,847
9	27	\$207,140
10	27	\$202,896
Total	313	\$2,758,162

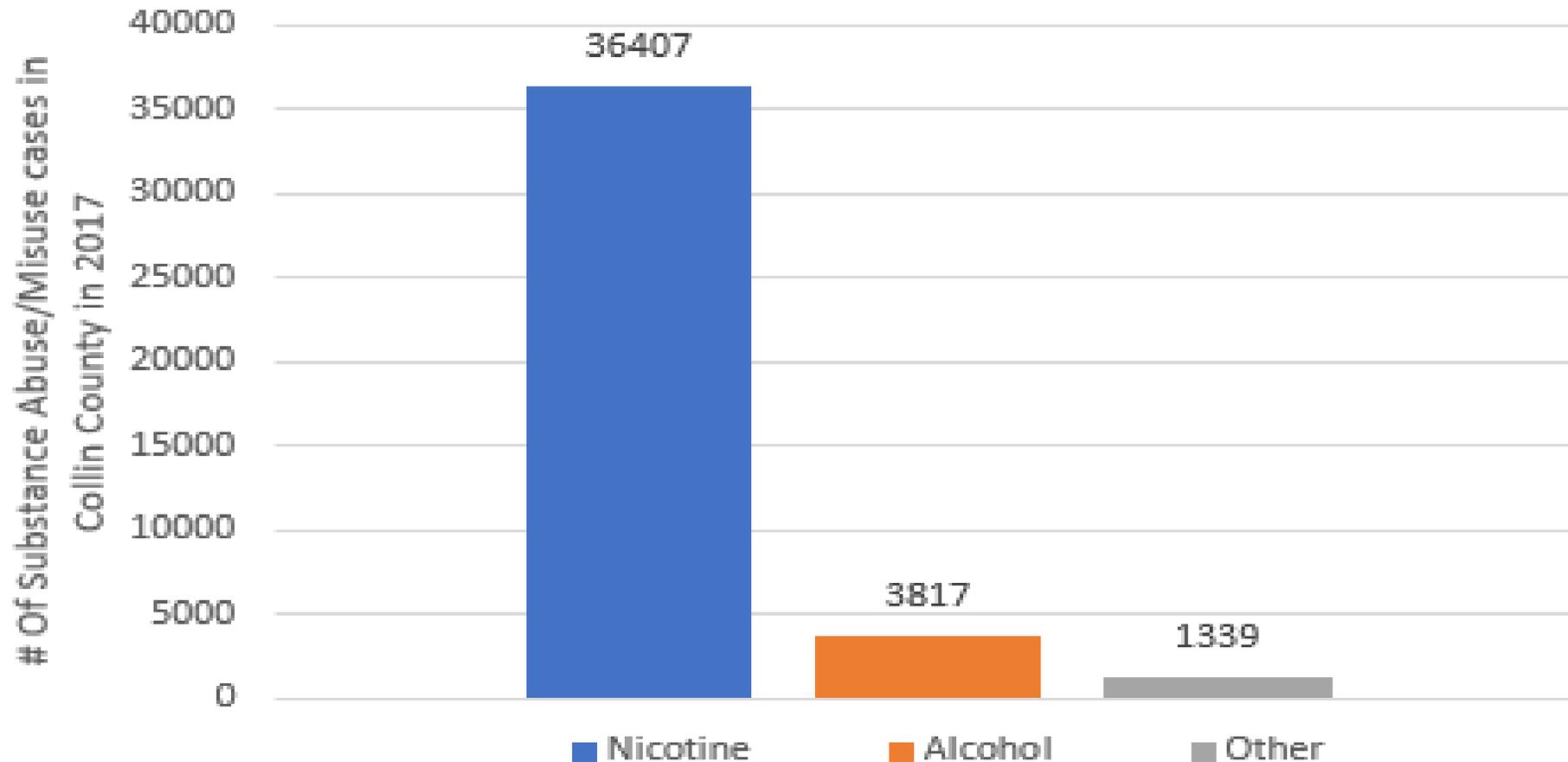
Characteristics of Patients with Substance Misuse issues in Collin County 2017

Total cases (N)		41,022	
Charges (Dollars; Average charges filed per visit)		\$20,487	
Admission Type (N,%)			
Outpatients		31,936	77.85%
Inpatients		9,087	22.15%
Discharge Status (N,%)			
Discharged to Home		36,318	88.36%
Transferred		3,310	8.05%
Left Against Medical Advice		804	1.96%
Still Patient or Expected to Return		83	0.20%
Unknown		237	0.58%
Expired		145	0.35%
Hospice - home		60	0.15%
Hospice – medical facility		60	0.15%
Admitted as an Inpatient		83	0.20%
Medical Insurance (N, %)			
Insured		18,578	45.28%
Medicare		4,746	11.57%
Medicaid		2,985	7.28%
Uninsured		14,716	35.87%

Characteristics of Patients with Substance Misuse issues in Collin County 2017

Gender (N, %)					
	Females			15,461	37.69%
	Males			15,498	37.78%
	x			10,063	24.53%
Race (N, %)					
	White			28,961	70.59%
	Black			6,826	16.64%
	Asian or Pacific Islander			828	2.02%
Ethnicity (N,%)					
	Hispanic or Latino			3,347	8.16%
	Not Hispanic or Latino			37,654	91.78%
Age Groups (N,%)					
	</= 12			16	0.04%
	13-18			1,316	3.21%
	19-25			5,368	13.08%
	26-40			13,211	32.20%
	41-60			14,336	34.94%
	>60			6,780	16.53%

Substance Misuse in Collin County 2017

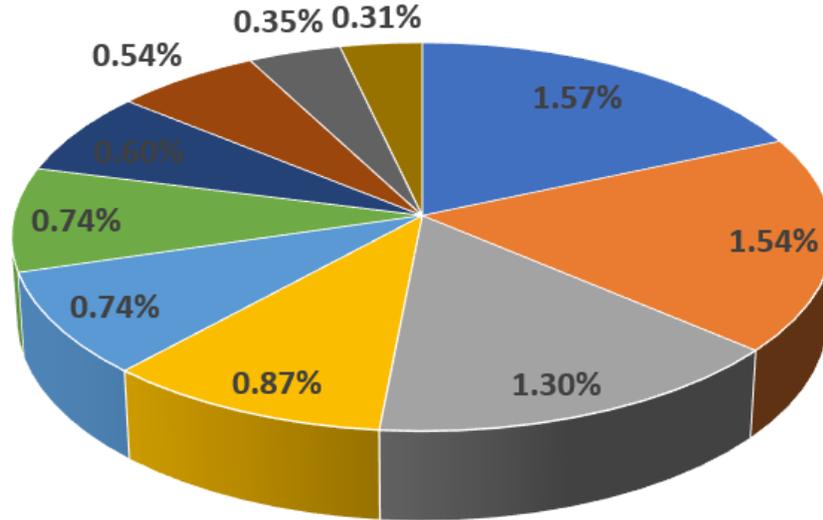


Top-10 Substance Misuses in Collin County 2017

Substance Per ICD-10 Code Description	Count	%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	20,213	42.83%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	13,030	27.61%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	1,651	3.50%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	1,513	3.21%
ALCOHOL ABUSE, UNCOMPLICATED	1,190	2.52%
ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	1,037	2.20%
ALCOHOL DEPENDENCE, UNCOMPLICATED	848	1.80%
ALCOHOL DEPENDENCE WITH WITHDRAWAL, UNSPECIFIED	742	1.57%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	726	1.54%
OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED	613	1.30%

Top Non-Nicotine/Alcohol Substance Misuses in Collin County 2017

% of Non-Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Descriptions

- CANNABIS ABUSE, UNCOMPLICATED
- CANNABIS USE, UNSPECIFIED, UNCOMPLICATED
- OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED
- OTHER STIMULANT ABUSE, UNCOMPLICATED
- COCAINE ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE, UNCOMPLICATED
- OPIOID DEPENDENCE WITH WITHDRAWAL
- OPIOID ABUSE, UNCOMPLICATED
- OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED
- CANNABIS DEPENDENCE, UNCOMPLICATED

Top Number of Visits/Patients per Zip Codes

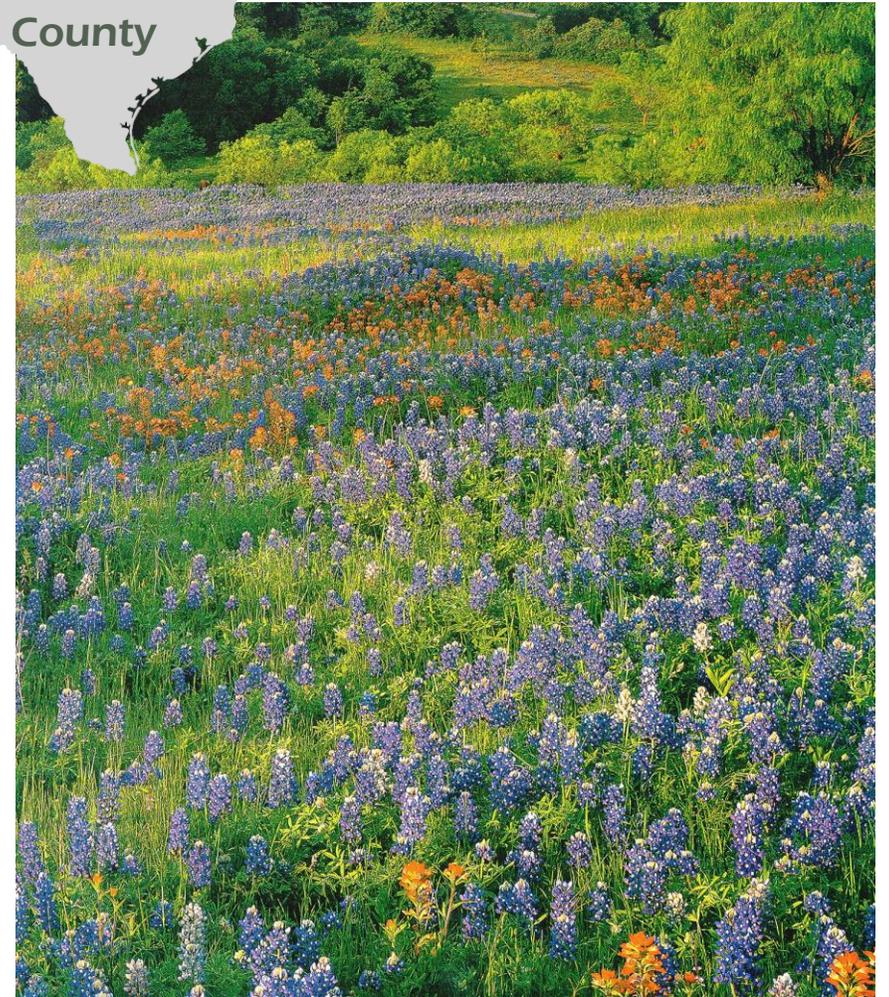
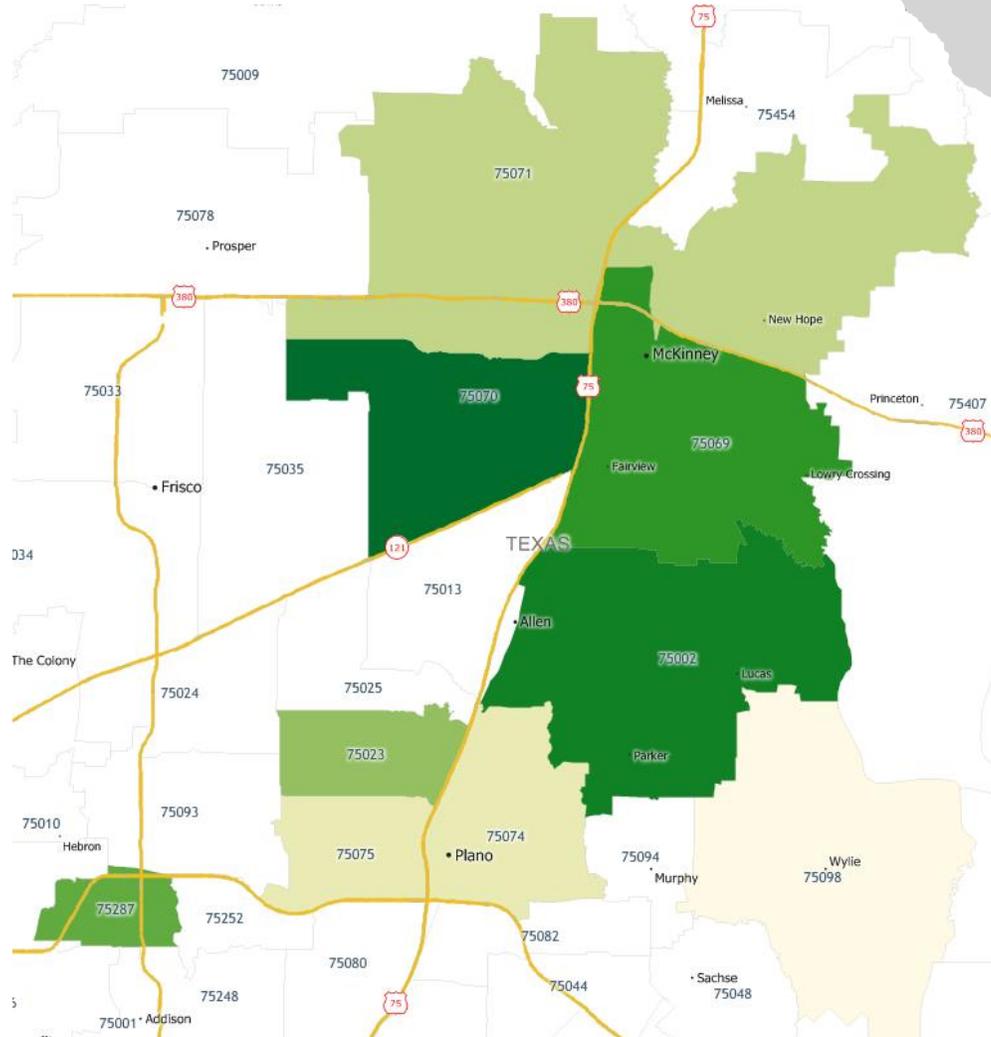
Rank	Zip Code	Visits*	%	Rank	Zip Code	Patients **	%
1	XXXXX***	10063	24.53%	1	XXXXX***	6880	35.69%
2	75069	2727	6.65%	2	75287	1708	8.86%
3	75287	2677	6.53%	3	75069	1681	8.72%
4	75070	2269	5.53%	4	75070	1609	8.35%
5	75002	2205	5.38%	5	75074	1438	7.46%
6	75074	2135	5.20%	6	75002	1432	7.43%
7	75407	1878	4.58%	7	75071	1161	6.02%
8	75023	1715	4.18%	8	75023	1137	5.90%
9	75071	1659	4.04%	9	75407	1121	5.82%
10	75098	1529	3.73%	10	75098	1054	5.47%

*A patient may have many visits, **All of a patient's visit in 2017 is counted as one, ***XXXXX- Undisclosed

Top Zip Codes

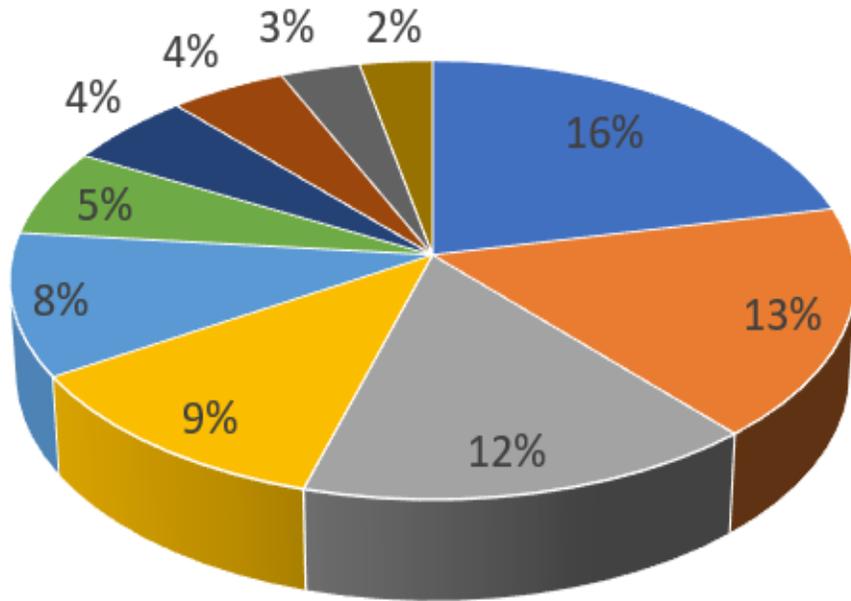


The darker the shade of green, the higher the number of residents' hospital visits.



Patient Migration*

Top % of Hospital visits by patients

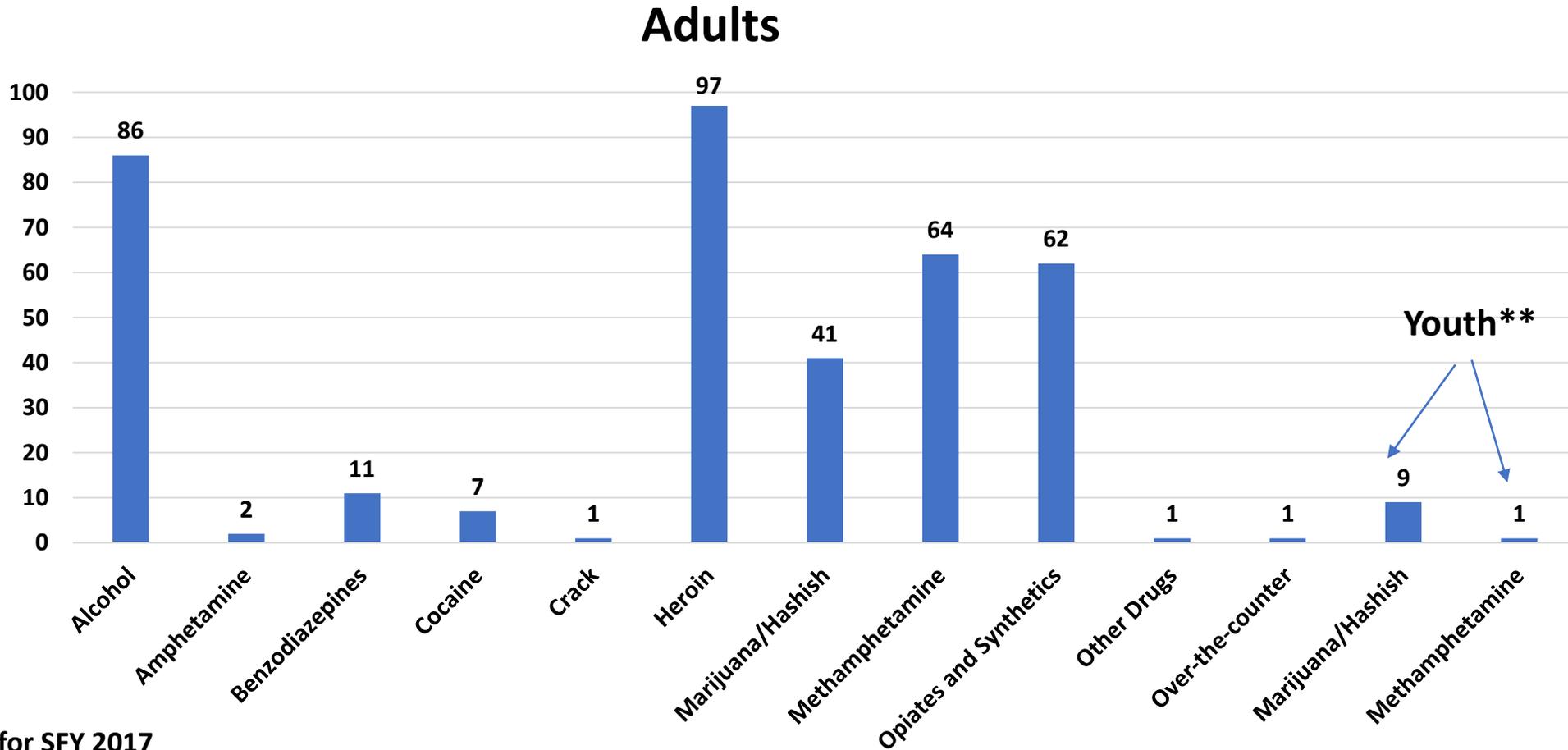


- Medical Center of McKinney
- Medical Center of Plano
- Baylor Medical Center at McKinney
- Texas Health Presbyterian Hospital Allen
- Texas Health Presbyterian Hospital Plano
- Baylor Regional Medical Center-Plano
- Methodist Richardson Medical Center Bush Renner
- Centennial Medical Center
- Parkland Health & Hospital System
- Baylor Medical Center at Carrollton



*Patients seeking care outside their residential county.

Outreach, Screening, Assessment and Referral Center Data: Collin County*



*OSAR data is for SFY 2017

**Age 13-17 years

Texas Poison Control Center Data 2017: Collin County

Exposure Counts: 4,013
Exposure per 1,000: 3.91

Top-3 exposure sites

Own residence: 2,941
 Schools: 52
 Workplace: 19

Age:

<5yrs	2,207
6-12yrs	315
13-19yrs	333
20s	264
30s	213
40s	181
50s	149
60s	97
70s	76
80s	28

Substance Category	
Analgesics	425
Antihistamines	267
Sedative/Hypnotics/Antipsychotics	173
Antidepressants	172
Topical Preparations	161
Vitamins	144
Cardiovascular Drugs	142
Cold and Cough Preparations	138
Antimicrobials	118
Gastrointestinal Preparations	118
Supplements/Herbals/Homeopathic	106
Alcohols	100
Stimulants and Street Drugs	89
Hormones and Hormone Antagonists	82
Anticonvulsants	77
Miscellaneous Drugs	37
Muscle Relaxants	36
Eye/Ear/Nose/Throat Preparations	29
Asthma Therapies	28
Other/Unknown Nondrug Substances	26
Infectious and Toxin-Mediated Diseases	23
Anticoagulants	15
Anesthetics	14
Anticholinergic Drugs	8
Narcotic Antagonists	2



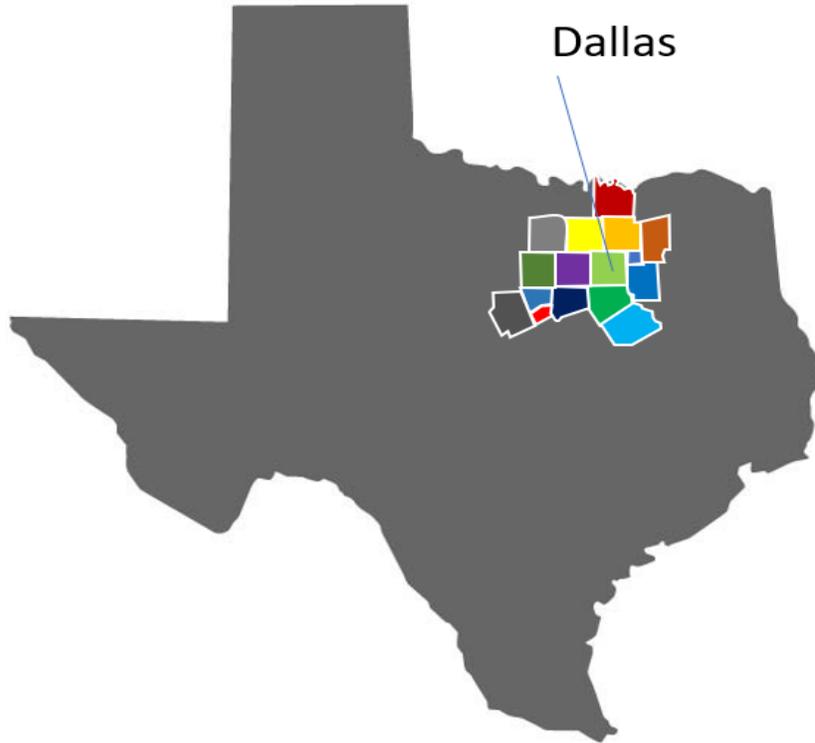
Key findings from Collin County

- Total cases (patient visits with substance misuse) reported in 2017: 41,022
- 72% were outpatient visits
- 88% patients were discharged to home and 10% transferred to another facility/provider
- 45% were insured patients and 35% were uninsured
- 92% Non Hispanic/Latino; 70% Whites, 17% Blacks and 2% Asians
- 66% visits were from the 26-60 years age groups
- Nicotine and alcohol were the top-2 substances reported
- Other top-5 substances were: cannabis, psychoactive substances, cocaine, opioids
- OSAR data reveals top-5 substances in adults as alcohol, heroin, marijuana, methamphetamine and opiates
- Marijuana is a more common substance in youth seeking OSAR services



Substance Misuse Community Needs Assessment

Dallas County



Total Population: 2,615,995

Area: 871.3 Sq. Mile

Patients with the Highest Number of Visits

Patient	Number of Emergency Department Visits	Total Charges Filed/Patient
1	194	\$662,537
2	114	\$317,853
3	111	\$177,561
4	77	\$471,780
5	75	\$778,499
6	74	\$992,496
7	63	\$153,174
8	58	\$171,251
9	48	\$339,445
10	48	\$167,360
Total	862	\$4,231,956

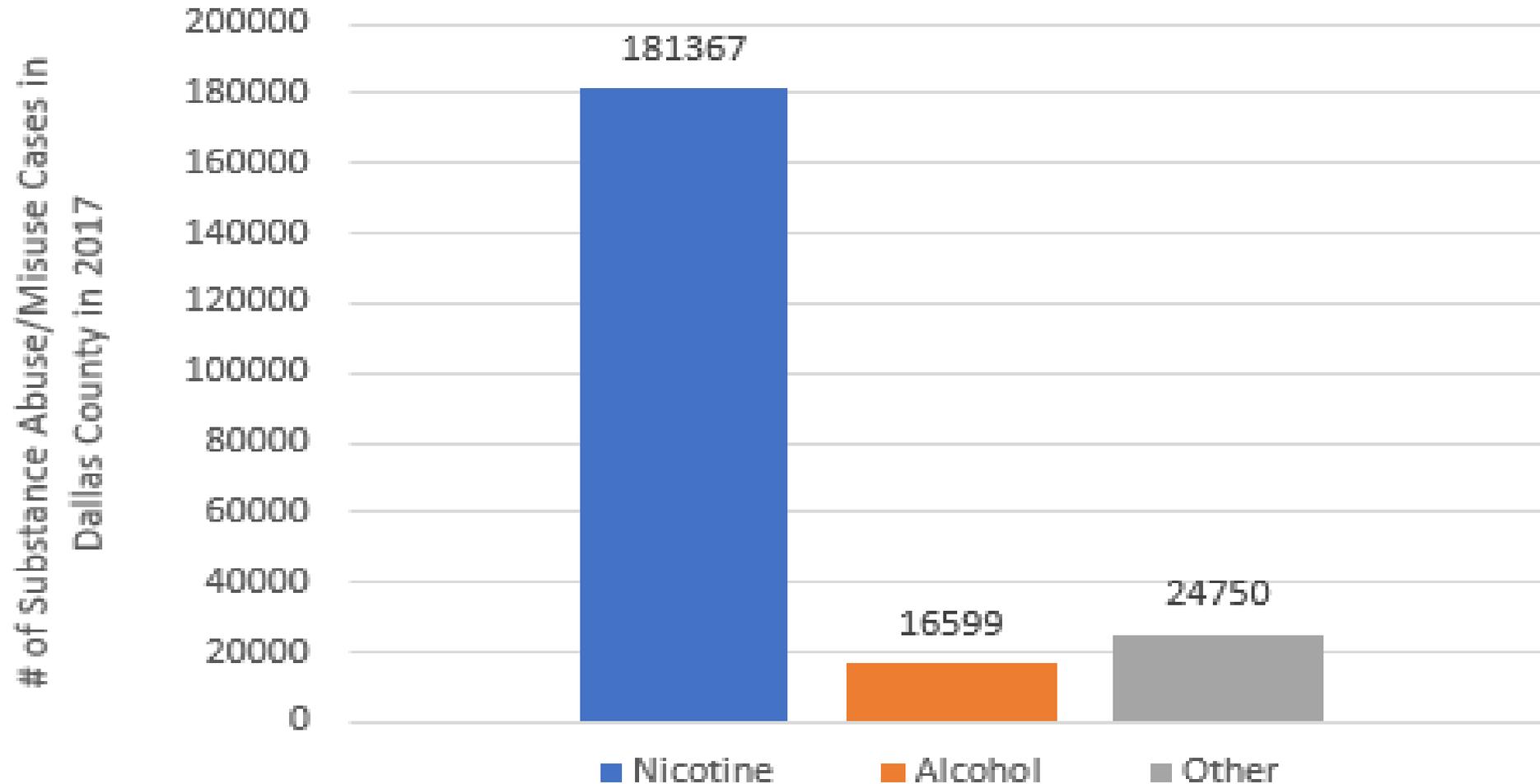
Characteristics of Patients with Substance Misuse issues in Dallas County 2017

Total cases (N)				214,621	
Charges (Dollars; Average charges filed per visit)				\$15,124	
Admission Type (N,%)					
	Outpatients			175,476	81.76%
	Inpatients			39,147	18.24%
Discharge Status (N,%)					
	Discharged to Home			192,096	89.50%
	Transferred			13,361	6.23%
	Left Against Medical Advice			6,767	3.15%
	Still Patient or Expected to Return			264	0.12%
	Unknown			805	0.38%
	Expired			727	0.34%
	Hospice - home			275	0.13%
	Hospice – medical facility			125	0.06%
	Admitted as an Inpatient			201	0.09%
Medical Insurance (N, %)					
	Insured			54,766	25.52%
	Medicare			25,817	12.03%
	Medicaid			30,858	14.38%
	Uninsured			103,180	48.08%

Characteristics of Patients with Substance Misuse issues in Dallas County 2017

Gender (N, %)						
	Females				70,856	33.01%
	Males				81,360	37.91%
	x				62,405	29.08%
Race (N, %)						
	White				101,222	47.16%
	Black				92,496	43.10%
	Other				18,102	8.43%
Ethnicity (N,%)						
	Hispanic or Latino				35,521	16.55%
	Not Hispanic or Latino				179,016	83.41%
Age Groups						
	< =12				122	0.06%
	13-18				3,601	1.68%
	19-25				23,048	10.74%
	26-40				69,775	32.51%
	41-60				88,429	41.20%
	>60				29,646	13.81%

Substance Misuse in Dallas County 2017

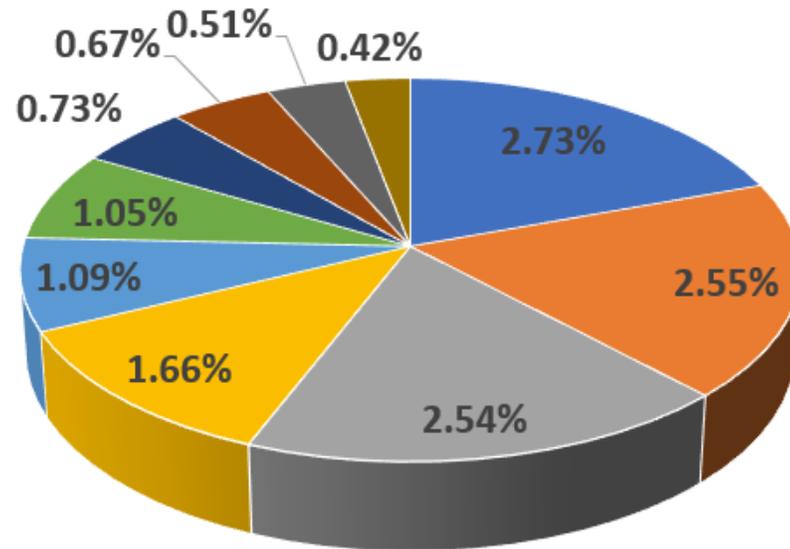


Top-10 Substance Misuses in Dallas County 2017

Substance Per ICD-10 Code Description	Count	%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	94,298	36.11%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	81,129	31.06%
ALCOHOL ABUSE, UNCOMPLICATED	8,212	3.14%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	7,122	2.73%
COCAINE ABUSE, UNCOMPLICATED	6,655	2.55%
CANNABIS ABUSE, UNCOMPLICATED	6,639	2.54%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	5,940	2.27%
ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	4,397	1.68%
OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED	4,334	1.66%
ALCOHOL DEPENDENCE, UNCOMPLICATED	4,000	1.53%

Top-10 Non Nicotine /Alcohol Substance Misuses in Dallas County 2017

% of non Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Description

- CANNABIS USE, UNSPECIFIED, UNCOMPLICATED
- COCAINE ABUSE, UNCOMPLICATED
- CANNABIS ABUSE, UNCOMPLICATED
- OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED
- OTHER STIMULANT ABUSE, UNCOMPLICATED
- COCAINE USE, UNSPECIFIED, UNCOMPLICATED
- OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED
- OPIOID ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE, UNCOMPLICATED
- OPIOID DEPENDENCE WITH WITHDRAWAL

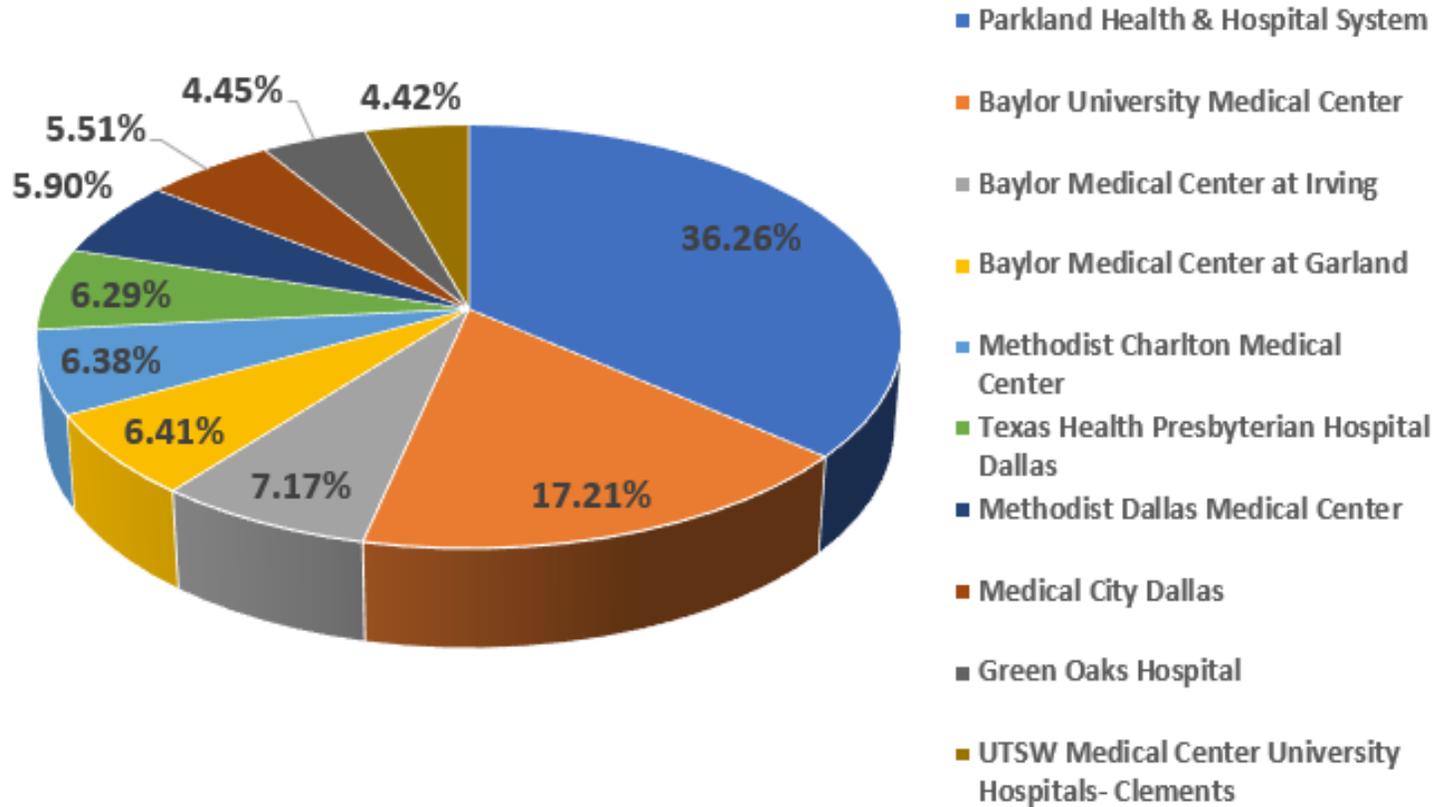
Top number of Visits/Patients per Zip Codes

Rank	Zip Code	Visits*	%	Rank	Zip Code	Patients**	%
1	XXXXX***	62406	58.41%	1	XXXXX****	45407	56.89%
2	75216	8073	7.56%	2	75216	6157	7.71%
3	75217	6072	5.68%	3	75217	4759	5.96%
4	75243	4848	4.54%	4	75243	3915	4.91%
5	75228	4632	4.34%	5	75228	3778	4.73%
6	75215	4451	4.17%	6	75241	3375	4.23%
7	75241	4374	4.09%	7	75215	3308	4.14%
8	75235	4168	3.90%	8	75227	3015	3.78%
9	75040	2975	2.78%	9	75040	2362	2.96%
10	75061	2933	2.75%	10	75061	2256	2.83%

* A patient may have many visits, ** All of a patient's visit in 2017 is counted as one, *** XXXXX- Undisclosed

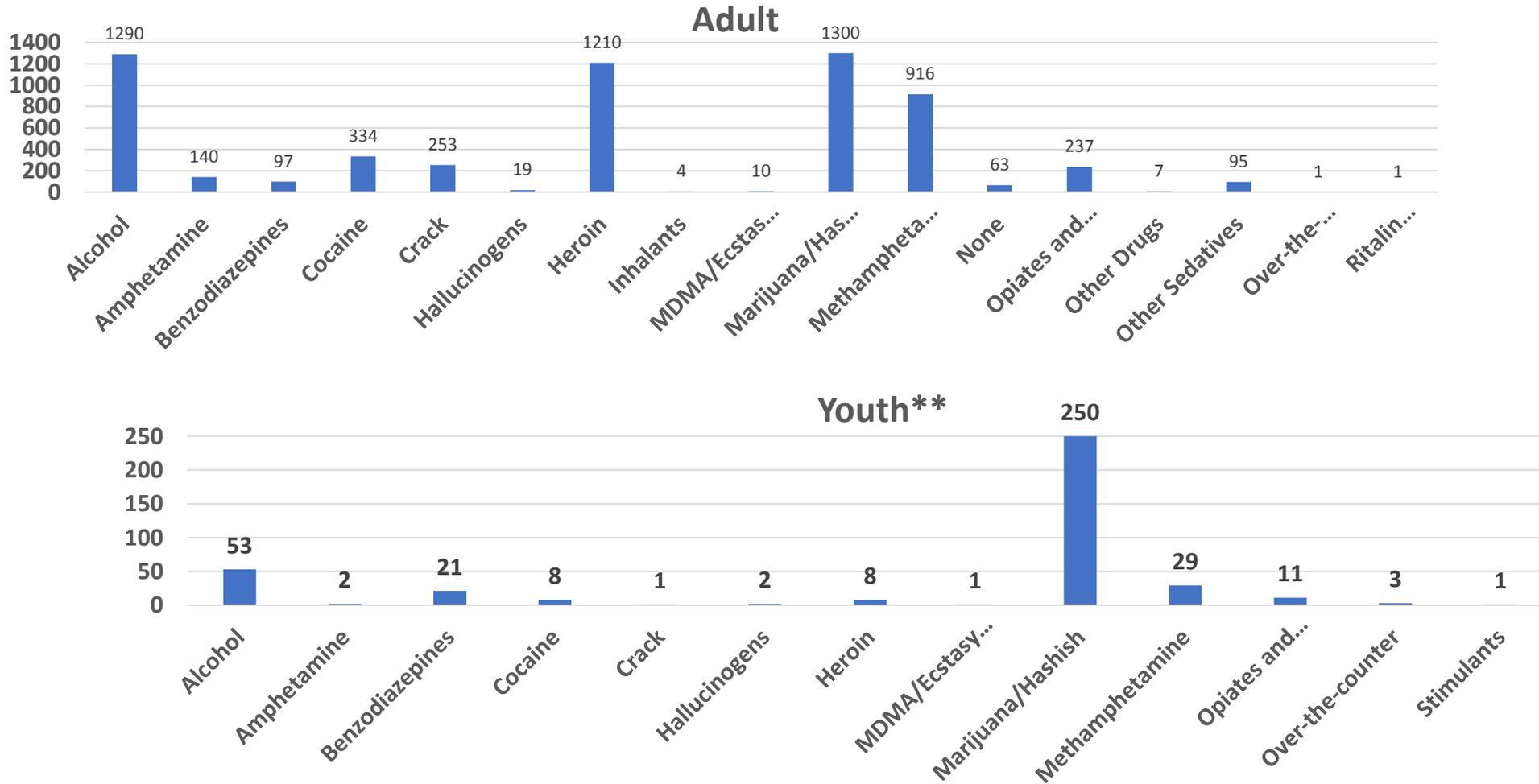
Patient Migration*

Top % of Hospital visits by patients



*Patients seeking care outside their residential county.

Outreach, Screening, Assessment and Referral Center Data: Dallas County*



*OSAR data for SFY 2017 **Age 13-17 years

Texas Poison Control Center Data 2017: Dallas County

Exposure Counts: 12,395
Exposure per 1,000: 4.86

Top-3 exposure sites

Own residence: 7,403
 Schools: 140
 Work place: 98

Age:

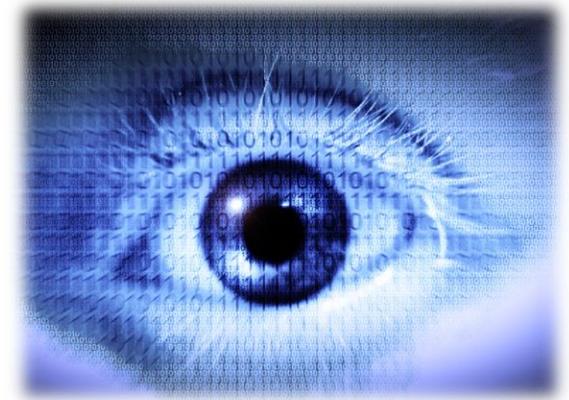
<5yrs	5,814
6-12yrs	744
13-19yrs	1,063
20s	1,129
30s	954
40s	699
50s	637
60s	461

Substance Category	
Analgesics	1,321
Antihistamines	660
Antidepressants	1,003
Sedative/Hypnotics/Antipsychotics	762
Cardiovascular Drugs	522
Topical Preparations	492
Cold and Cough Preparations	441
Antimicrobials	304
Vitamins	293
Alcohols	470
Anticonvulsants	230
Gastrointestinal Preparations	223
Stimulants and Street Drugs	909
Hormones and Hormone Antagonists	310
Electrolytes and Minerals	314
Muscle Relaxants	435
Hydrocarbons	109
Fumes/Gases/Vapors	210
Eye/Ear/Nose/Throat Preparations	91
Other/Unknown Nondrug Substances	365
Tobacco/Nicotine Products	102
Anticholinergic Drugs	41
Anticoagulants	27
Anesthetics	17
Narcotic Antagonists	2



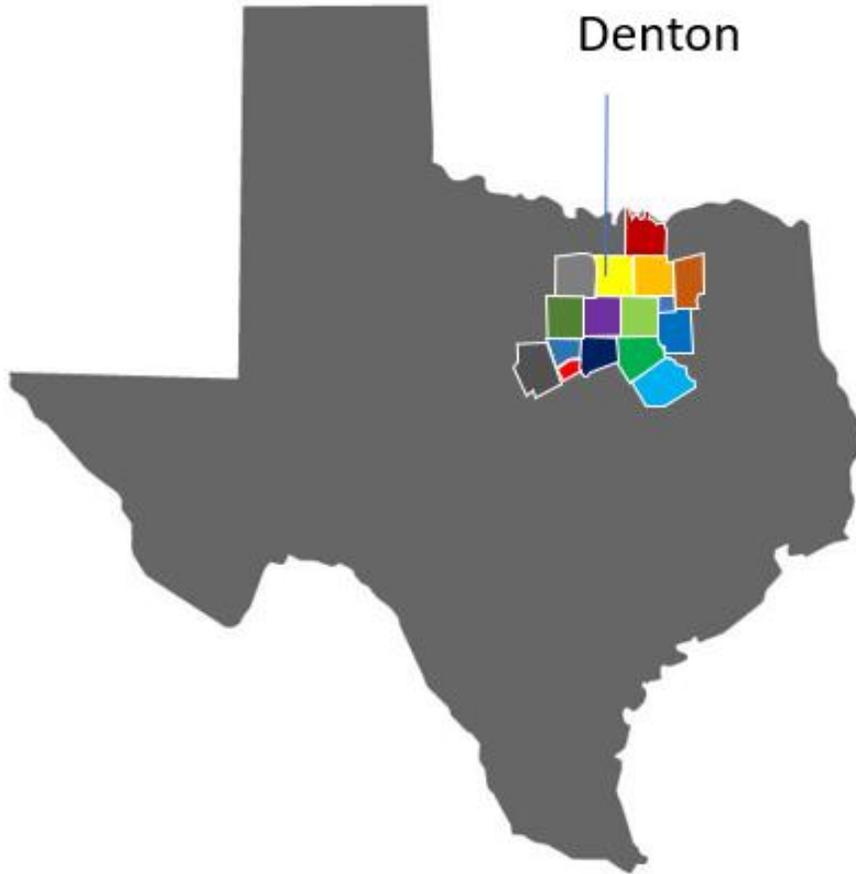
Key findings from Dallas County

- Total cases (patient visits with substance misuse) reported in 2017: 214,621
- 82% were outpatient visits
- 90% patients were discharged to home and 6% transferred to another facility/provider
- 26% were insured patients and 48% uninsured
- 83% Non Hispanic/Latino; 47% Whites, 43% Blacks and 8% Others
- 73% visits by age group 26-60 years
- After nicotine, top substances were alcohol, cannabis, cocaine, psychoactive substances and opiates
- OSAR data suggest top-5 substances in adults were alcohol, heroin, marijuana, methamphetamine and opiates
- Marijuana and alcohol were most common substance in youth seeking OSAR services



Substance Misuse Community Needs Assessment

Denton County



Total Population: 818,565
Area: 878.4 Sq. Mile

Patients with highest number of visits		
Patient	Number of Emergency Department Visits	Total Charges Filed/Patient
1	60	\$88,720
2	59	\$437,210
3	31	\$211,224
4	29	\$474,768
5	27	\$1,321,202
6	27	\$17,309
7	26	\$128,185
8	26	\$464,759
9	25	\$352,913
10	23	\$193,257
Total	333	\$3,689,547

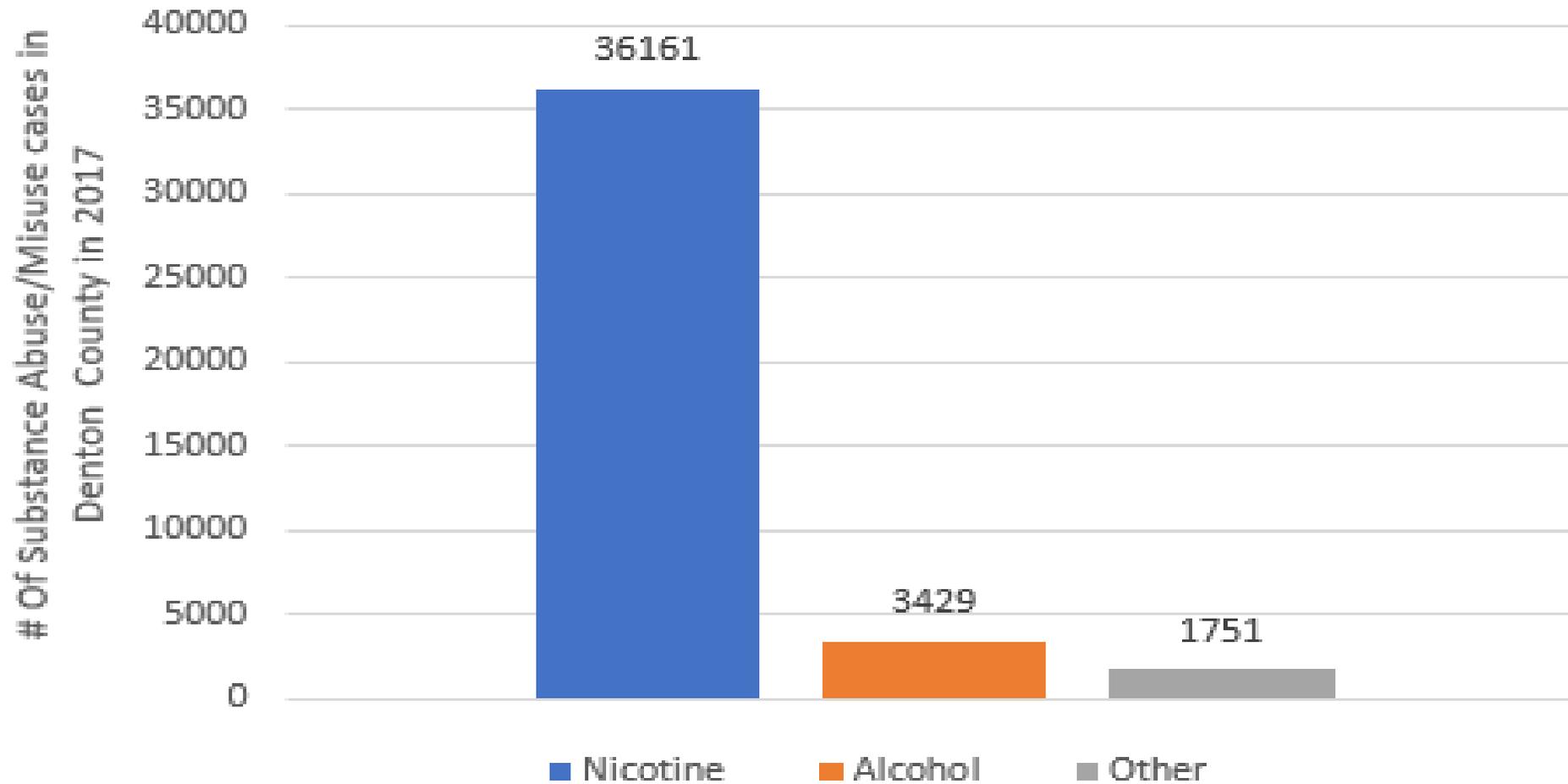
Characteristics of Patients with Substance Misuse issues in Denton County 2017

Total cases (N)					40,726	
Charges (Dollars; Average charges filed per visit)					\$19,035	
Admission Type (N,%)						
	Outpatients				33,268	81.69%
	Inpatients				7,458	18.31%
Discharge Status (N,%)						
	Discharged to Home				36,724	90.17%
	Transferred				2,622	6.44%
	Left Against Medical Advice				866	2.13%
	Still Patient or Expected to Return				57	0.14%
	Unknown				194	0.48%
	Expired				147	0.36%
	Hospice - home				71	0.17%
	Hospice – medical facility				30	0.07%
	Admitted as an Inpatient				15	0.04%
Medical Insurance (N, %)						
	Insured				18,006	44.21%
	Medicare				4,176	10.25%
	Medicaid				3,555	8.73%
	Uninsured				14,990	36.81%

Characteristics of Patients with Substance Misuse issues in Denton County 2017

Gender (N, %)				
	Females		17,286	42.44%
	Males		15,917	39.08%
	X		7,522	18.47%
Race (N, %)				
	White		28,968	71.13%
	Black		5,647	13.87%
	Other		5,387	13.23%
Ethnicity (N,%)				
	Hispanic or Latino		2,845	6.99%
	Not Hispanic or Latino		37,862	92.97%
Age Groups				
	</=12		36	0.09%
	13-18		1,017	2.50%
	19-25		5,865	14.40%
	26-40		13,953	34.26%
	41-60		13,749	33.76%
	>60		6,106	14.99%

Substance Misuse in Denton County 2017

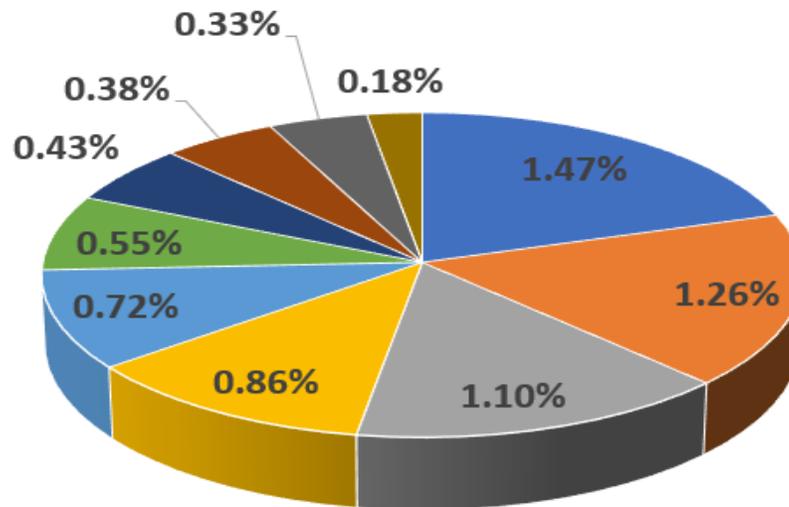


Top-10 Substance Misuses in Denton County 2017

Substance Per ICD-10 Code Description	Count	%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	20048	43.79%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	15166	33.12%
ALCOHOL ABUSE, UNCOMPLICATED	1251	2.73%
ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	1075	2.35%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	947	2.07%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	671	1.47%
ALCOHOL DEPENDENCE, UNCOMPLICATED	637	1.39%
CANNABIS ABUSE, UNCOMPLICATED	578	1.26%
OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED	502	1.10%
ALCOHOL DEPENDENCE WITH WITHDRAWAL, UNSPECIFIED	466	1.02%

Top Non-Nicotine/Alcohol Substance Misuses in Denton County 2017

% of non Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Description

- CANNABIS USE, UNSPECIFIED, UNCOMPLICATED
- CANNABIS ABUSE, UNCOMPLICATED
- OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED
- OTHER STIMULANT ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE, UNCOMPLICATED
- COCAINE ABUSE, UNCOMPLICATED
- OPIOID ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE WITH WITHDRAWAL
- OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED
- COCAINE USE, UNSPECIFIED, UNCOMPLICATED

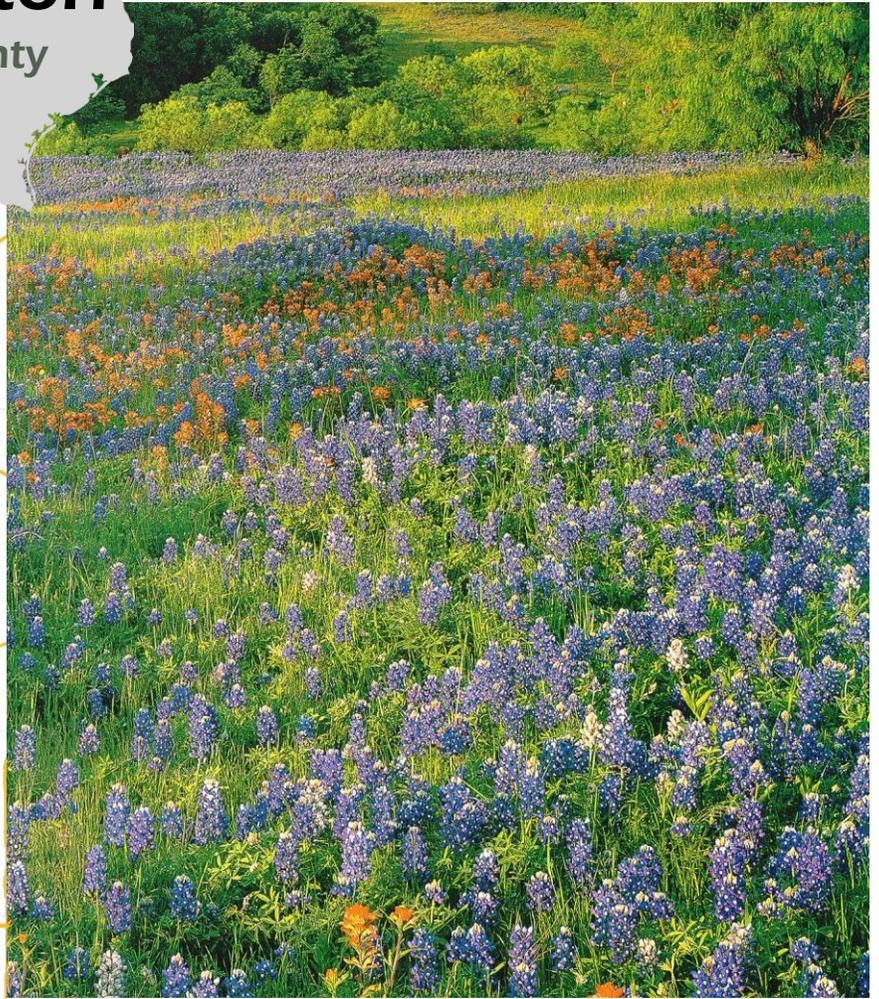
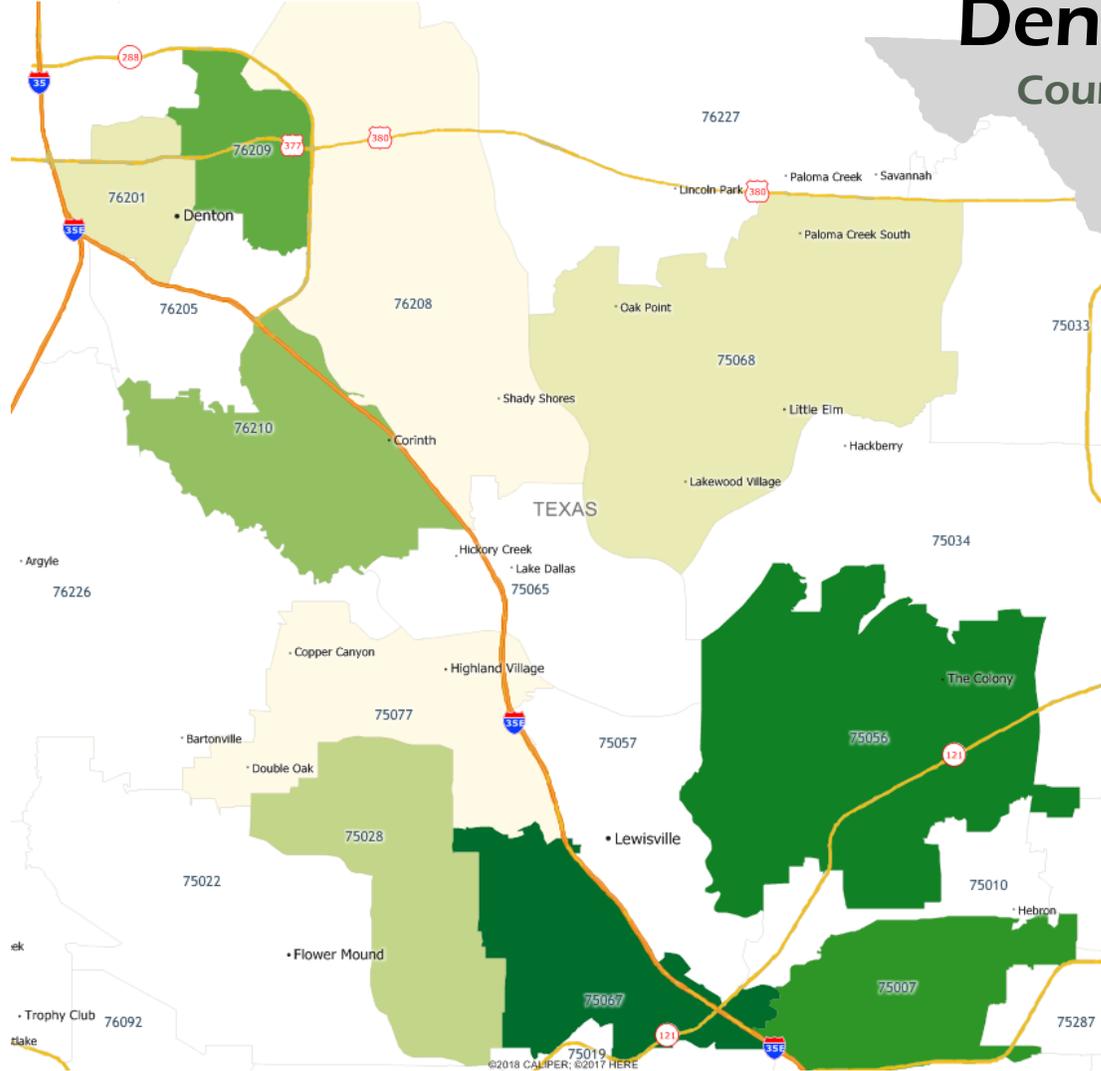
Top Number of Visits/Patients per Zip Codes

Rank	Zip Codes	Visits*	%	Rank	Zip Codes	Patients**	%
1	XXXXX***	7522	18.47%	1	XXXXX***	5466	22.36%
2	75067	3983	9.78%	2	75067	2624	10.73%
3	75056	2370	5.82%	3	75056	1551	6.34%
4	76209	2169	5.33%	4	75007	1333	5.45%
5	76201	2050	5.03%	5	76209	1313	5.37%
6	75007	2022	4.96%	6	76210	1258	5.15%
7	76208	1882	4.62%	7	76201	1256	5.14%
8	76210	1858	4.56%	8	76208	1142	4.67%
9	76205	1659	4.07%	9	75068	1069	4.37%
10	76266	1650	4.05%	10	76205	1048	4.29%

*A patient may have many visits **All of a patient's visit in 2017 is counted as one ***XXXXX - Undisclosed

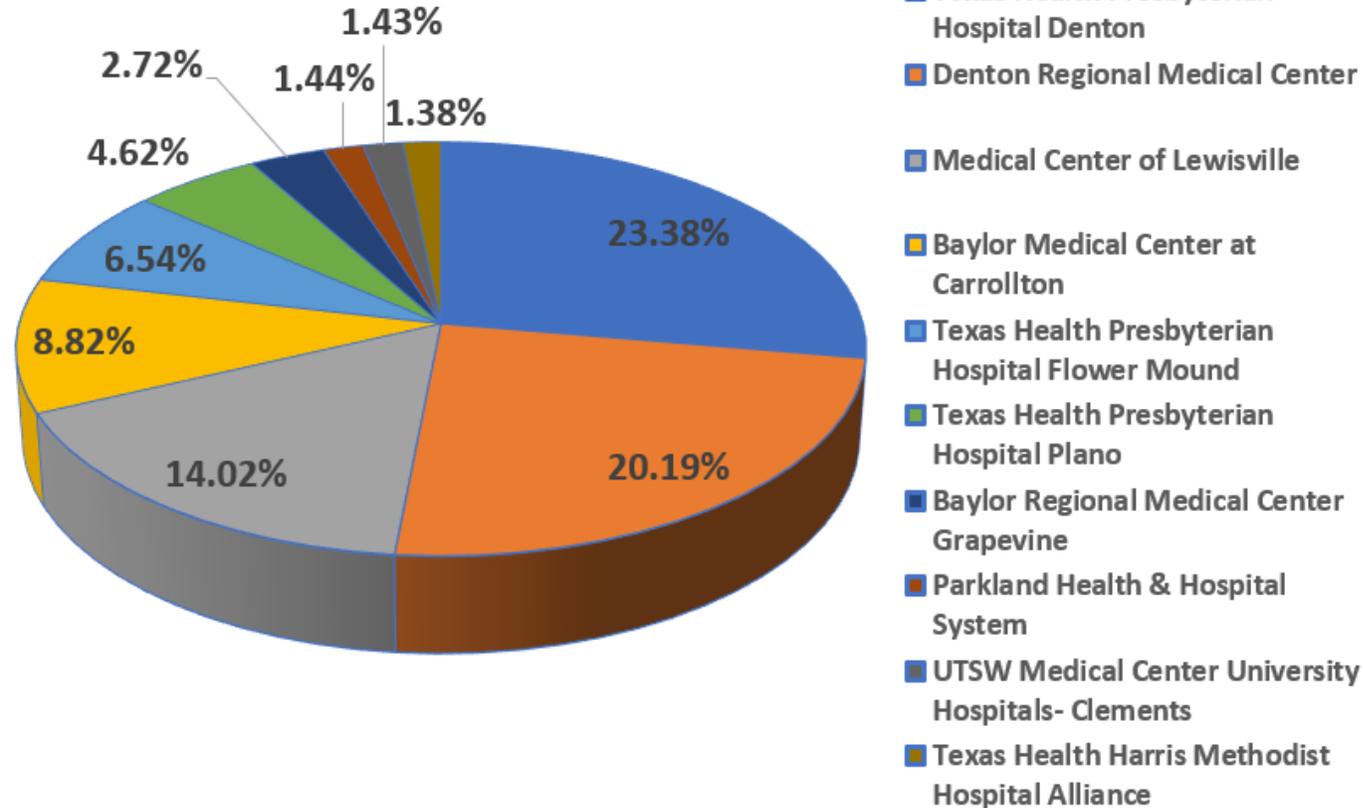
Top Zip Codes

The darker the shade of green, the higher the number of residents' hospital visits.



Patient Migration*

Top % of Hospital visits by patients



*Patients seeking care outside their residential county

Texas Poison Control Center Data 2017: Denton County

Exposure Counts: 3790
Exposure per 1,000: 4.48

Top-3 exposure sites

Own residence: 2,457
 Schools: 56
 Workplace: 22

Age:

<5yrs 1,922
 6-12yrs 284
 13-19yrs 404
 20s 319
 30s 230
 40s 187
 50s 154
 60s 101
 70s 51
 80s 24

Substance Category	Counts
Analgesics	480
Cosmetics/Personal Care Products	329
Foreign Bodies/Toys/Miscellaneous	150
Cold and Cough Preparations	159
Antihistamines	266
Topical Preparations	122
Sedative/Hypnotics/Antipsychotics	233
Stimulants and Street Drugs	114
Antidepressants	212
Vitamins	105
Antimicrobials	105
Cardiovascular Drugs	124
Alcohols	137
Gastrointestinal Preparations	78
Hormones and Hormone Antagonists	81
Dietary Supplements/Herbals/Homeopathic	114
Hydrocarbons	40
Electrolytes and Minerals	53
Anticonvulsants	77
Infectious and Toxin-Mediated Diseases	18
Asthma Therapies	28
Eye/Ear/Nose/Throat Preparations	32
Muscle Relaxants	47



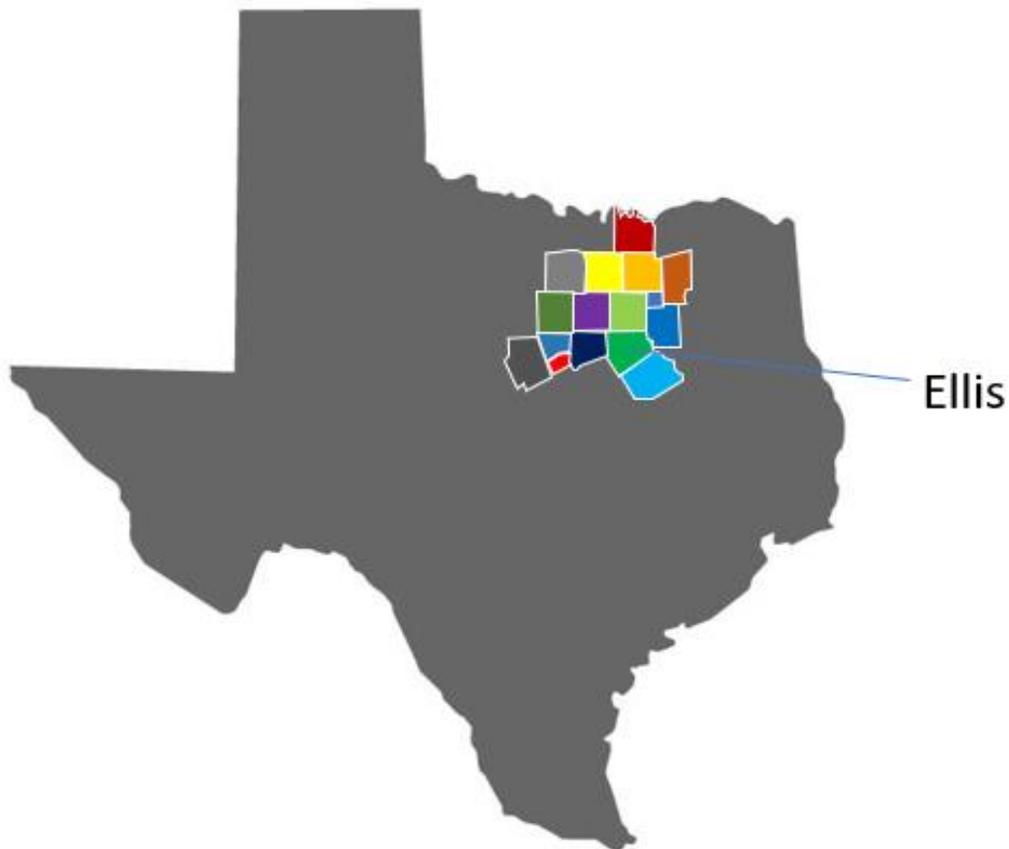
Key findings from Denton County

- Total cases (patient visits with substance misuse) reported in 2017: 40,726
- 82% were outpatient visits
- 90% of patients discharged to home and 6% transferred to another facility/provider
- 44% were insured patients and 37% uninsured
- 93% Non Hispanic/Latino; 71% Whites, 14% Blacks and 13% Others
- 82% visits in age group 26-60 years
- After nicotine, other top substances were alcohol, cannabis, cocaine, psychoactive substances and opiates
- No OSAR data available



Substance Misuse Community Needs Assessment

Ellis County



Total Population: 171,796
Area: 935.5 Sq. Mile

Patients with the Highest Number of Visits

Patient	Number of Emergency Department Visits	Total Charges Filed/Patient
1	99	\$280,735
2	53	\$53,913
3	36	\$215,253
4	34	\$374,796
5	33	\$293,651
6	31	\$110,467
7	28	\$271,667
8	28	\$38,119
9	24	\$163,605
10	22	\$184,337
Total	338	\$1,986,543

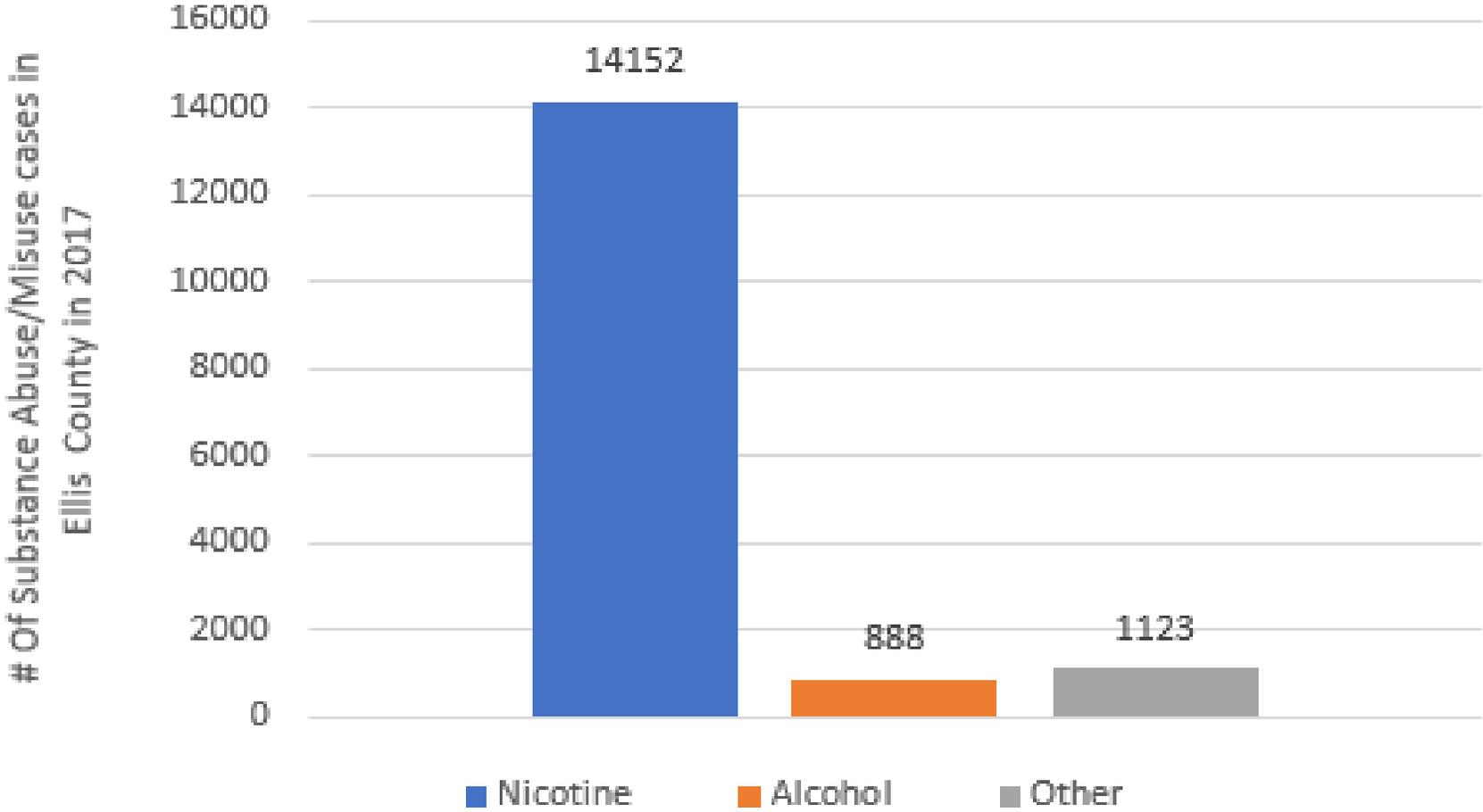
Characteristics of Patients with Substance Misuse issues in Ellis County 2017

Total cases (N)		15,751	
Charges (Dollars; Average charges filed per visit)		\$12,102	
Admission Type (N,%)			
Outpatients		13,395	85.04%
Inpatients		2,356	14.96%
Discharge Status (N,%)			
Discharged to Home		14,062	89.28%
Transferred		1,003	6.37%
Left Against Medical Advice		303	1.92%
Still Patient or Expected to Return		277	1.76%
Unknown		24	0.15%
Expired		40	0.25%
Hospice - home		23	0.15%
Hospice – medical facility		10	0.06%
Admitted as an Inpatient		9	0.06%
Medical Insurance (N, %)			
Insured		6,693	42.49%
Medicare		2,123	13.48%
Medicaid		1,247	7.92%
Uninsured		5,688	36.11%

Characteristics of Patients with Substance Misuse issues in Ellis County 2017

Gender (N, %)				
	Females		6,790	43.11%
	Males		6,204	39.39%
	X		2,756	17.50%
Race (N, %)				
	White		10,976	69.68%
	Black		2,587	16.42%
	Other		2,133	13.54%
Ethnicity (N,%)				
	Hispanic or Latino		1,997	12.68%
	Not Hispanic or Latino		13,717	87.09%
Age Groups				
	</=12		5	0.03%
	13-18		314	1.99%
	19-25		1,881	11.94%
	26-40		4,839	30.72%
	41-60		5,907	37.50%
	>60		2,805	17.81%

Substance Misuse in Ellis County 2017

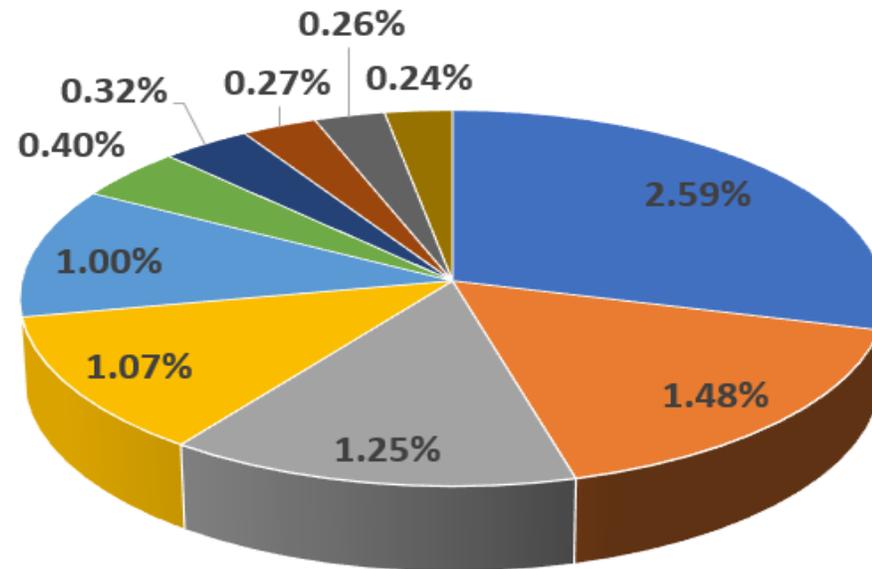


Top-10 Substance Misuses in Ellis County 2017

Substance Per ICD-10 Code Description	Count	%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	7464	42.45%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	6238	35.48%
ALCOHOL ABUSE, UNCOMPLICATED	464	2.64%
CANNABIS ABUSE, UNCOMPLICATED	455	2.59%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	450	2.56%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	260	1.48%
ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	225	1.28%
OTHER STIMULANT ABUSE, UNCOMPLICATED	220	1.25%
ALCOHOL DEPENDENCE, UNCOMPLICATED	199	1.13%
COCAINE ABUSE, UNCOMPLICATED	188	1.07%

Top Non-Nicotine/Alcohol Substance Misuses in Ellis County 2017

% of non Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Description

- CANNABIS ABUSE, UNCOMPLICATED
- CANNABIS USE, UNSPECIFIED, UNCOMPLICATED
- OTHER STIMULANT ABUSE, UNCOMPLICATED
- COCAINE ABUSE, UNCOMPLICATED
- OTHER PSYCHOACTIVE SUBSTANCE ABUSE, UNCOMPLICATED
- OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED
- OPIOID DEPENDENCE, UNCOMPLICATED
- OPIOID USE, UNSPECIFIED, UNCOMPLICATED
- COCAINE USE, UNSPECIFIED, UNCOMPLICATED
- OPIOID ABUSE, UNCOMPLICATED

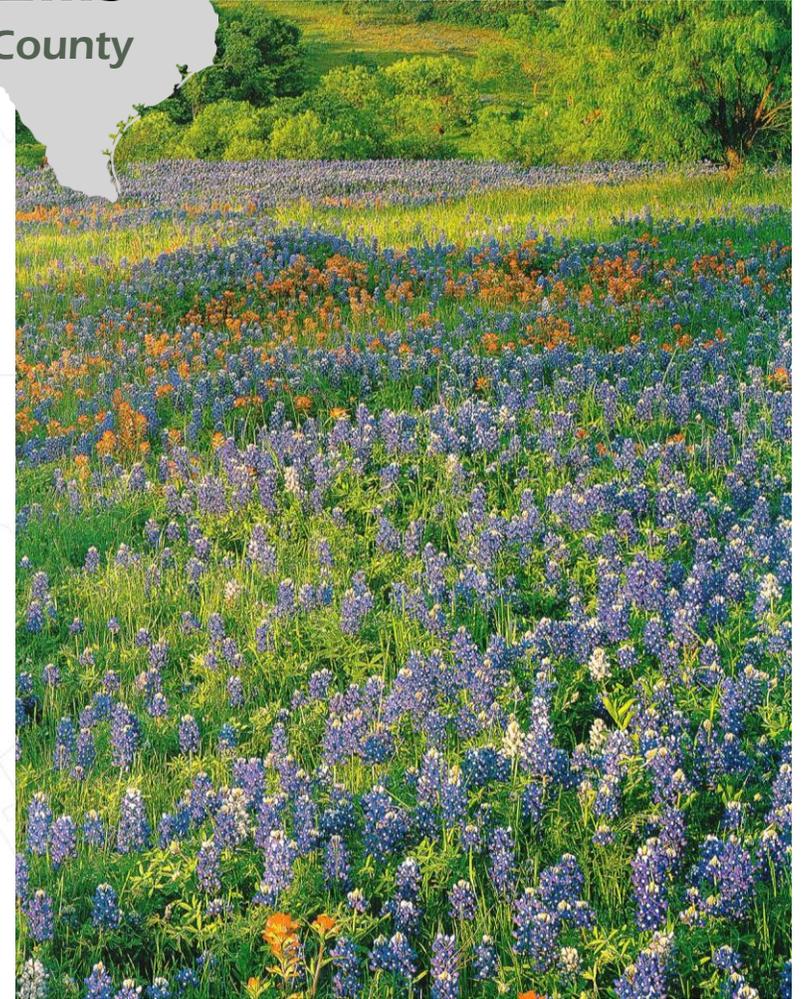
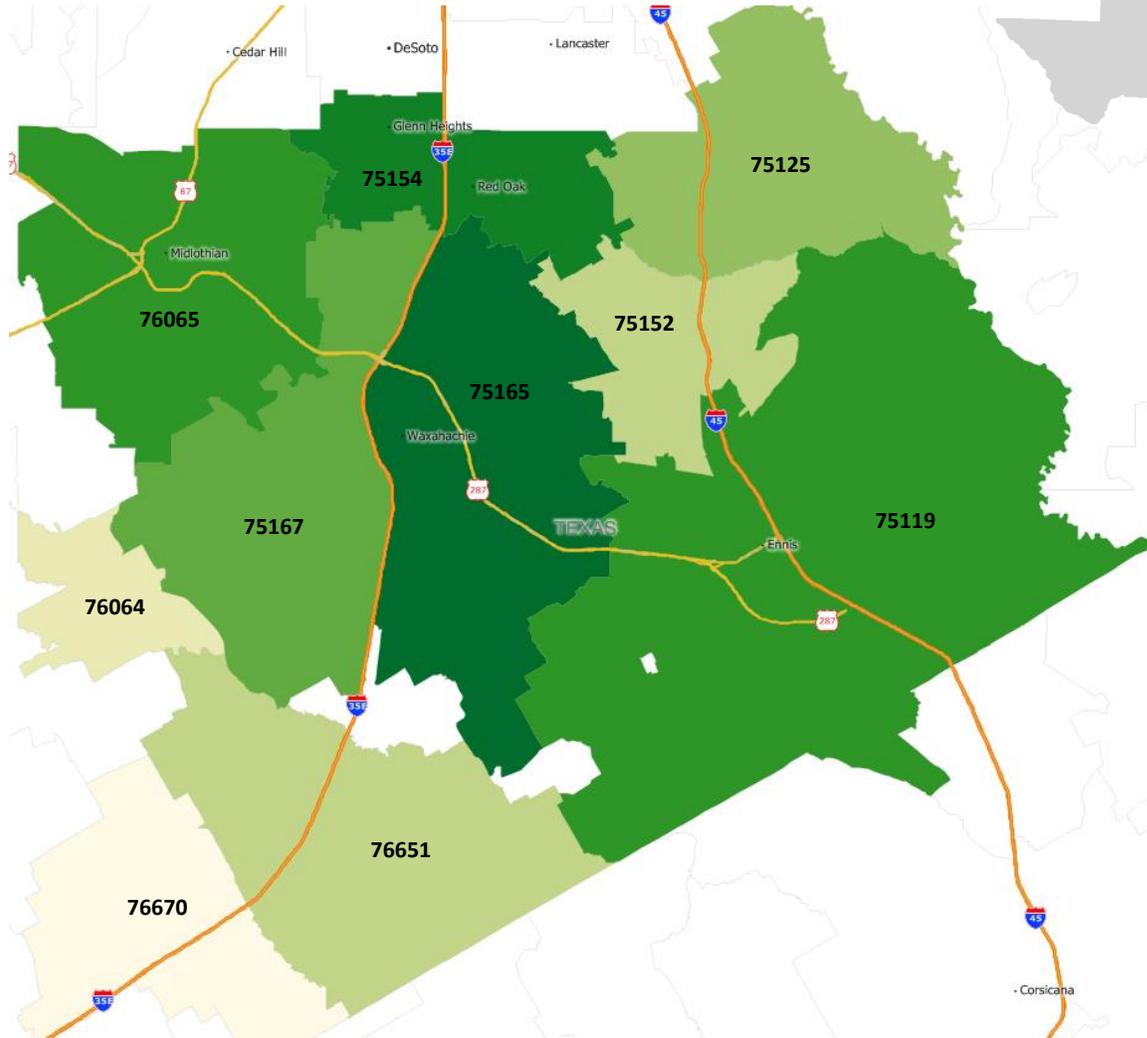
Top Number of Visits/Patients per Zip Codes

Rank	Zip Code	Visits*	%	Rank	Zip Code	Patients**	%
1	75165	4268	27.10%	1	75165	2543	27.20%
2	XXXXX***	2757	17.50%	2	XXXXX***	1948	20.84%
3	75154	2442	15.50%	3	75154	1583	16.93%
4	75119	1965	12.48%	4	75119	1325	14.17%
5	76065	1819	11.55%	5	76065	1098	11.75%
6	75125	656	4.16%	6	75125	371	3.97%
7	75167	499	3.17%	7	75167	324	3.47%
8	75152	470	2.98%	8	75152	293	3.13%
9	76651	340	2.16%	9	76651	223	2.39%
10	76064	148	0.94%	10	76064	104	1.11%

*A patient may have many visits **All of a patient's visit in 2017 is counted as one ***XXXXX- Undisclosed

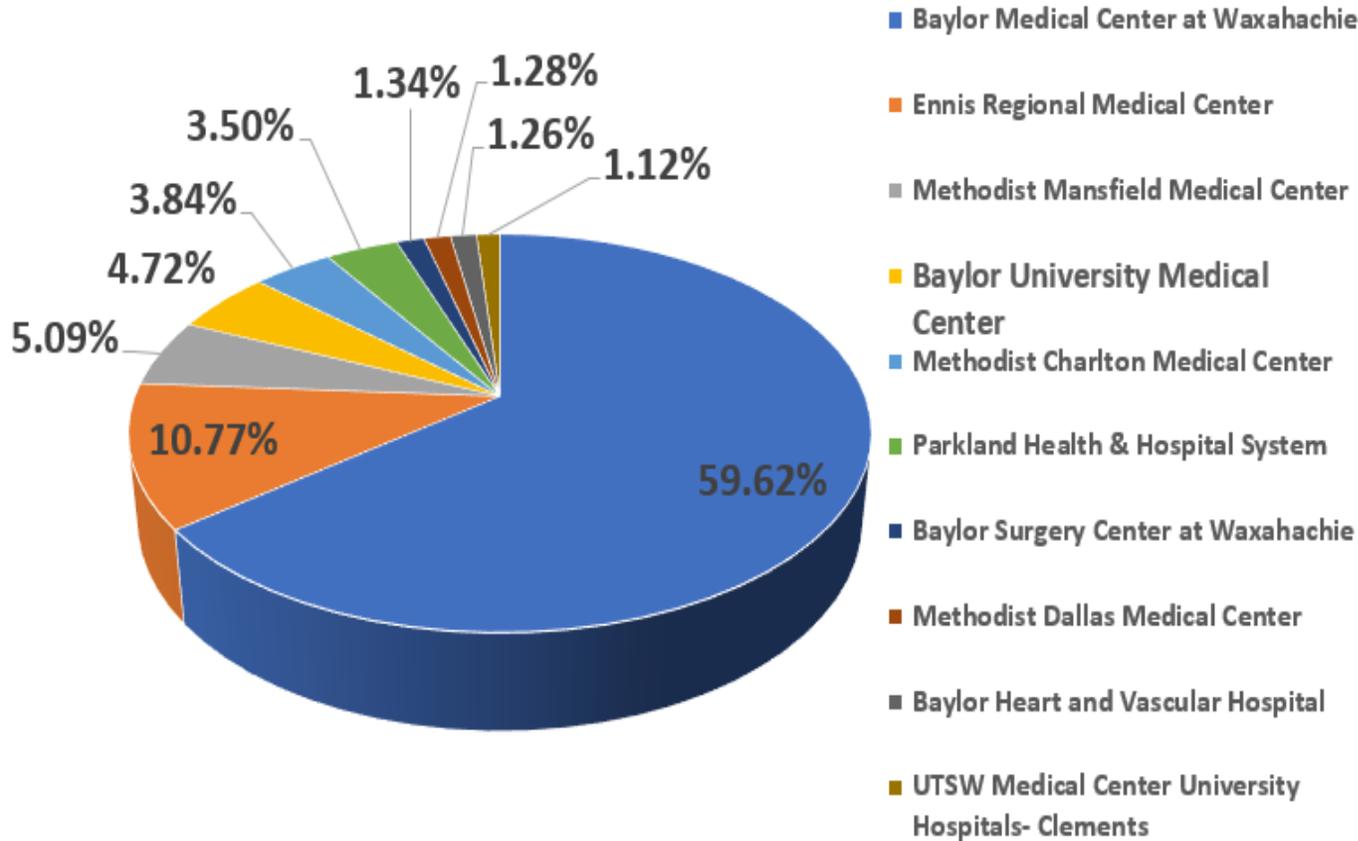
Top Zip Codes

The darker the shade of green, the higher the number of residents' hospital visits.



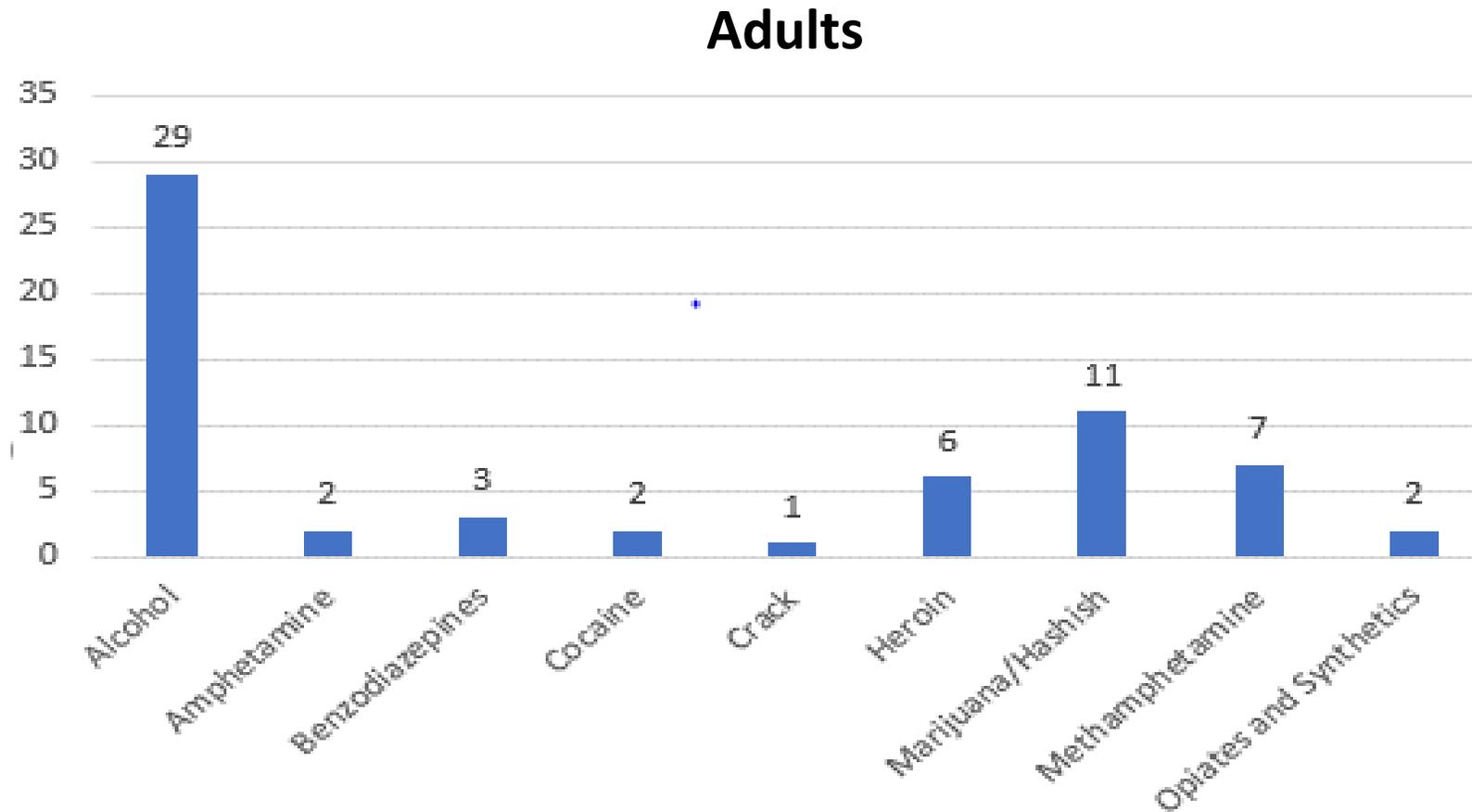
Patient Migration*

Top % of hospitals where patients seek care



*Patients seeking care outside their residential county

Outreach, Screening, Assessment and Referral Center Data: Ellis*



*OSAR data is for SFY 2017
No youth data available

Texas Poison Control Center Data 2017: Ellis County

Exposure Counts: 1,084
Exposure per 1,000: 5.90

Top-3 exposure sites

Own residence: 663
 Schools: 16
 Workplace: 13

Age:

<=5 years	527
6-12 years	77
13-19 years	108
20's	92
30's	70
40's	65
50's	51
60's	34
70's	24
80's	9
>=90	3
Unknown age	24

Substance Category	
Analgesics	151
Cold and Cough Preparations	35
Antihistamines	71
Topical Preparations	30
Sedative/Hypnotics/Antipsychotics	74
Antidepressants	61
Cardiovascular Drugs	45
Vitamins	30
Antimicrobials	21
Gastrointestinal Preparations	17
Alcohols	34
Hydrocarbons	17
Hormones and Hormone Antagonists	19
Plants	19
Stimulants and Street Drugs	27
Anticonvulsants	33
Dietary Supplements/Herbals/Homeopathic	31
Electrolytes and Minerals	15
Infectious and Toxin-Mediated Diseases	4
Eye/Ear/Nose/Throat Preparations	6
Muscle Relaxants	10



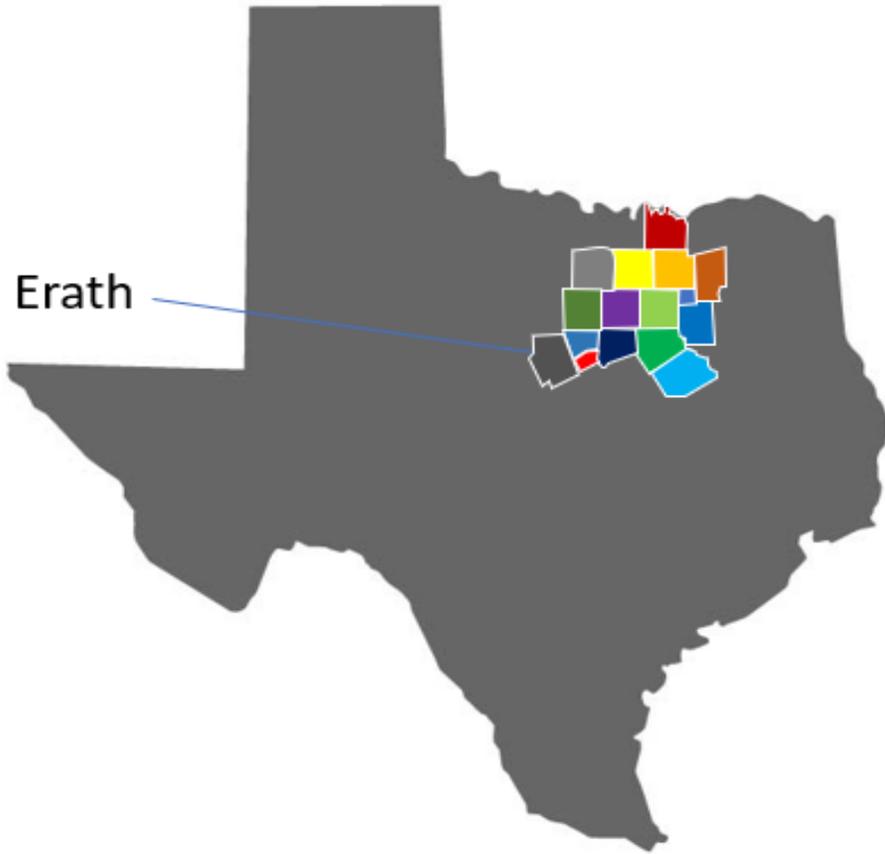
Key findings from Ellis County

- Total cases (patient visits with substance misuse) reported in 2017: 15,751
- 85% were outpatient visits
- 89% of patients discharged to home and 6% transferred to another facility/provider
- 43% were insured patients and 36% uninsured
- 87% Non Hispanic/Latino; 70% Whites, 16% Blacks and 14% Others
- 87% of visits by age group 26-60 years
- After nicotine, top substances were alcohol, cannabis, cocaine, psychoactive substances and opiates
- OSAR data suggests top-5 substances in adults were alcohol, marijuana, methamphetamine, heroin and opiates



Substance Misuse Community Needs Assessment

Erath County



Erath

Total Population: 41,618

Area: 1083.1 Sq. Mile

Patients with the Highest Number of Visits

Patient	Number of Emergency Department Visits	Total Charges Filed/Patient
1	39	\$433,610
2	20	\$29,596
3	20	\$123,686
4	18	\$51,001
5	18	\$196,899
6	17	\$227,379
7	13	\$19,149
8	13	\$266,222
9	12	\$95,668
10	12	\$75,310
Total	182	\$1,518,520

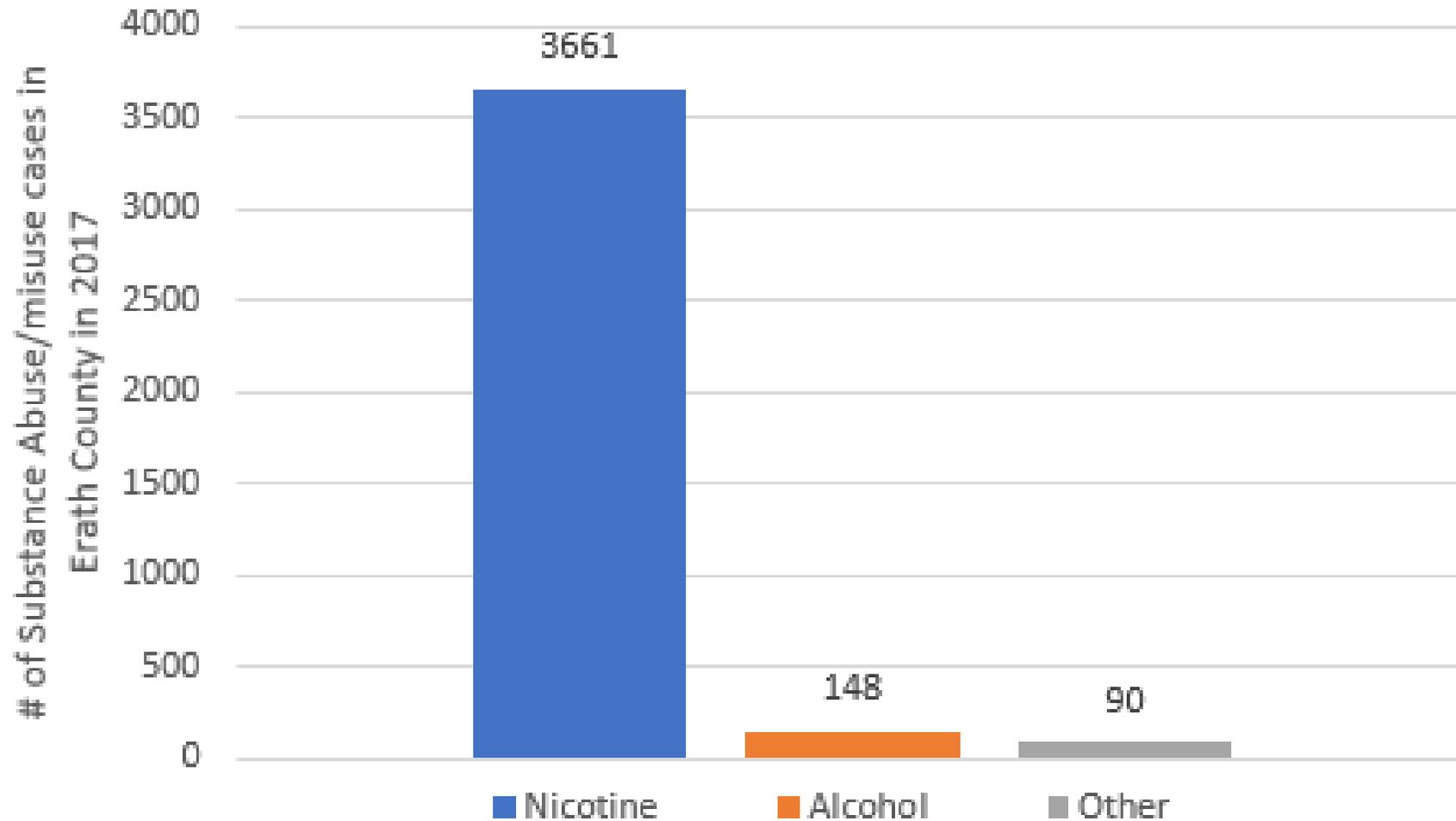
Characteristics of Patients with Substance Misuse issues in Erath County 2017

Total cases (N)					3,760	
Charges (Dollars; Average charges filed per visit)					\$11,227	
Admission Type (N,%)						
Outpatients					3,324	88.40%
Inpatients					438	11.65%
Discharge Status (N,%)						
Discharged to Home					3,374	89.73%
Transferred					294	7.82%
Left Against Medical Advice					64	1.70%
Still Patient or Expected to Return					1	0.03%
Unknown					0	0.00%
Expired					16	0.43%
Hospice - home					4	0.11%
Hospice – medical facility					7	0.19%
Admitted as an Inpatient						0.00%
Medical Insurance (N, %)						
Insured					1,188	31.60%
Medicare					559	14.87%
Medicaid					517	13.75%
Uninsured					1,496	39.79%

Characteristics of Patients with Substance Misuse issues in Erath County 2017

Gender (N, %)					
	Females			1,790	47.61%
	Males			1,594	42.39%
	x			376	10.00%
Race (N, %)					
	White			3,550	94.41%
	Black			73	1.94%
	Other			61	1.62%
Ethnicity (N,%)					
	Hispanic or Latino			35	0.93%
	Not Hispanic or Latino			3,721	98.96%
Age Groups					
	< =12			1	0.03%
	13-18			70	1.86%
	19-25			517	13.75%
	26-40			1225	32.58%
	41-60			1207	32.10%
	>60			740	19.68%

Substance Misuse in Erath County 2017

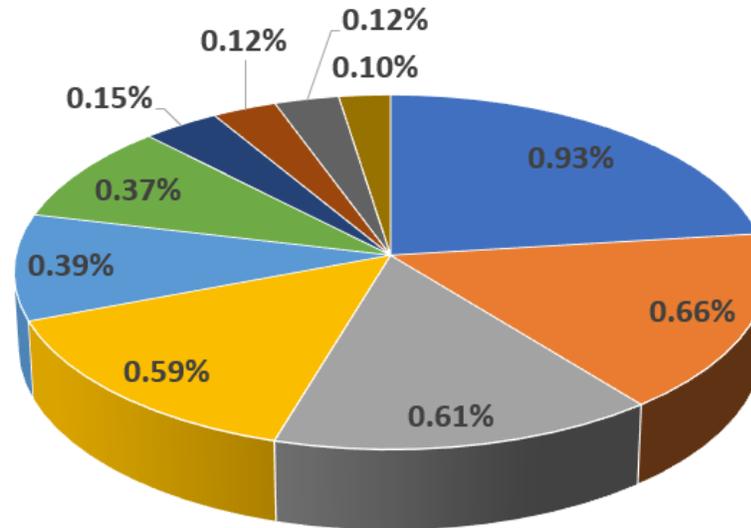


Top-10 Substance Misuses in Erath County 2017

Substance Per ICD-10 Code Description	Count	%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	2814	68.77%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	556	13.59%
NICOTINE DEPENDENCE CHEWING TOBACCO UNCOMP	202	4.94%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	89	2.17%
ALCOHOL ABUSE, UNCOMPLICATED	63	1.54%
ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	46	1.12%
ALCOHOL ABUSE WITH INTOXICATION, UNCOMPLICATED	39	0.95%
OTHER STIMULANT ABUSE, UNCOMPLICATED	38	0.93%
OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED	27	0.66%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	25	0.61%

Top Non-Nicotine/Alcohol Substance Misuses in Erath County 2017

% of non Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Description

- OTHER STIMULANT ABUSE, UNCOMPLICATED
- OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED
- CANNABIS USE, UNSPECIFIED, UNCOMPLICATED
- CANNABIS ABUSE, UNCOMPLICATED
- OTH PSYCHOACTIVE SUBSTANCE ABUSE W UNSP DISORDER
- OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED
- OTHER STIMULANT DEPENDENCE, UNCOMPLICATED
- OTHER PSYCHOACTIVE SUBSTANCE DEPENDENCE UNCOMP
- OPIOID DEPENDENCE, UNCOMPLICATED
- OPIOID DEPENDENCE WITH WITHDRAWAL

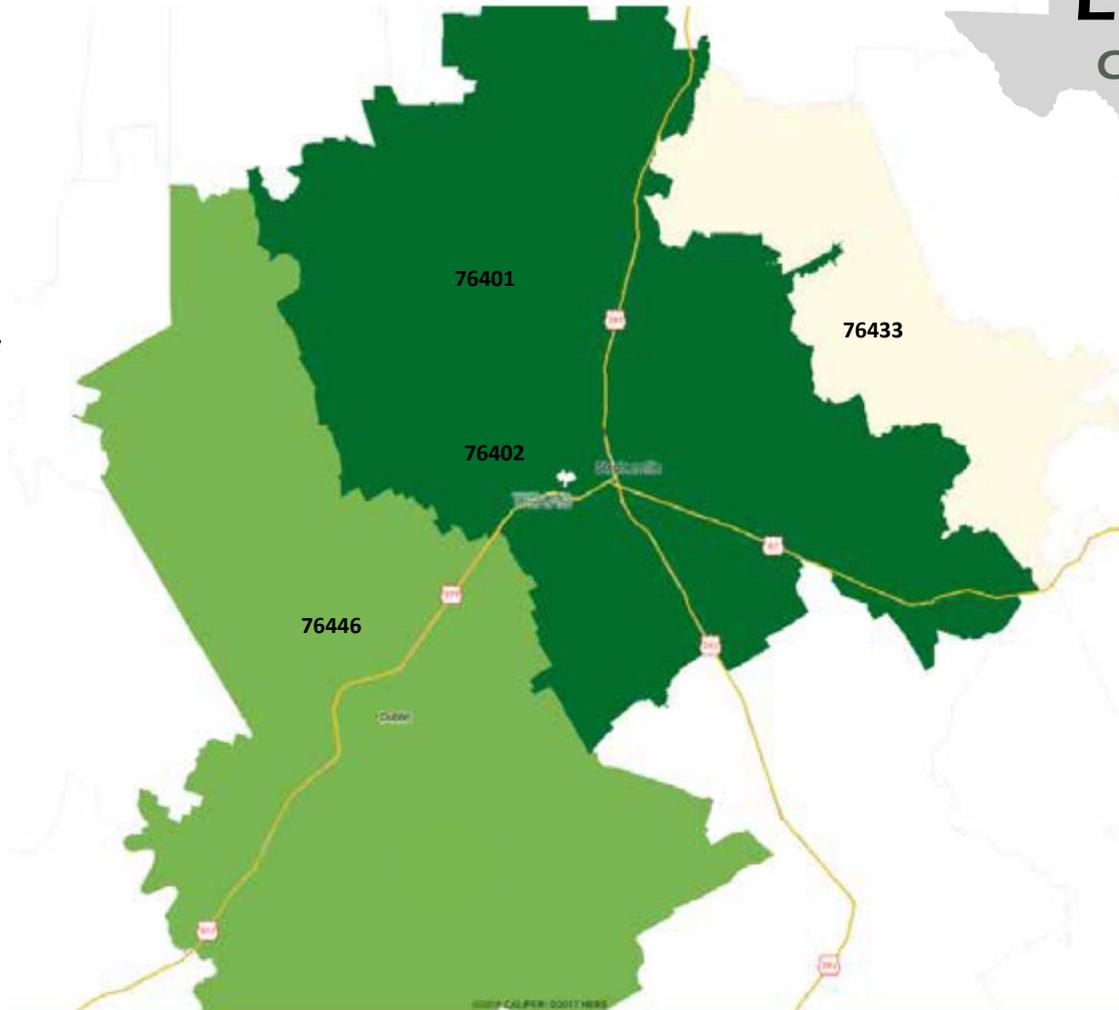
Top Number of Visits/Patients per Zip Codes

Rank	Zip Code*	Visits	%	Rank	Zip Code	Patients**	%
1	76401	2476	65.85%	1	76401	1326	66.73%
2	76446	831	22.10%	2	76446	463	23.30%
3	XXXXX***	376	10.00%	3	XXXXX***	272	13.69%
4	76433	51	1.36%	4	76433	30	1.51%
5	764XX	22	0.59%	5	764XX	19	0.96%
6	76465	4	0.11%	6	76465	4	0.20%

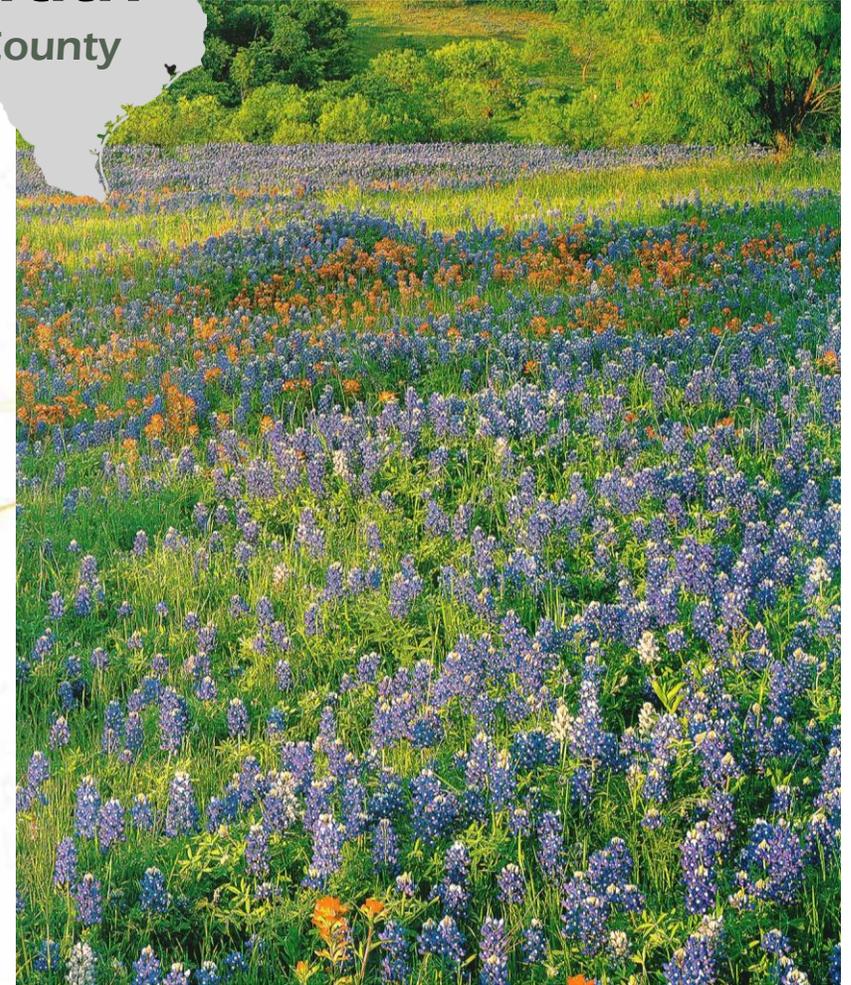
*A patient may have many visits **All of a patient's visit in 2017 is counted as one ***XXXXX - Undisclosed

Top Zip Codes

The darker the shade of green, the higher the number of residents' hospital visits.

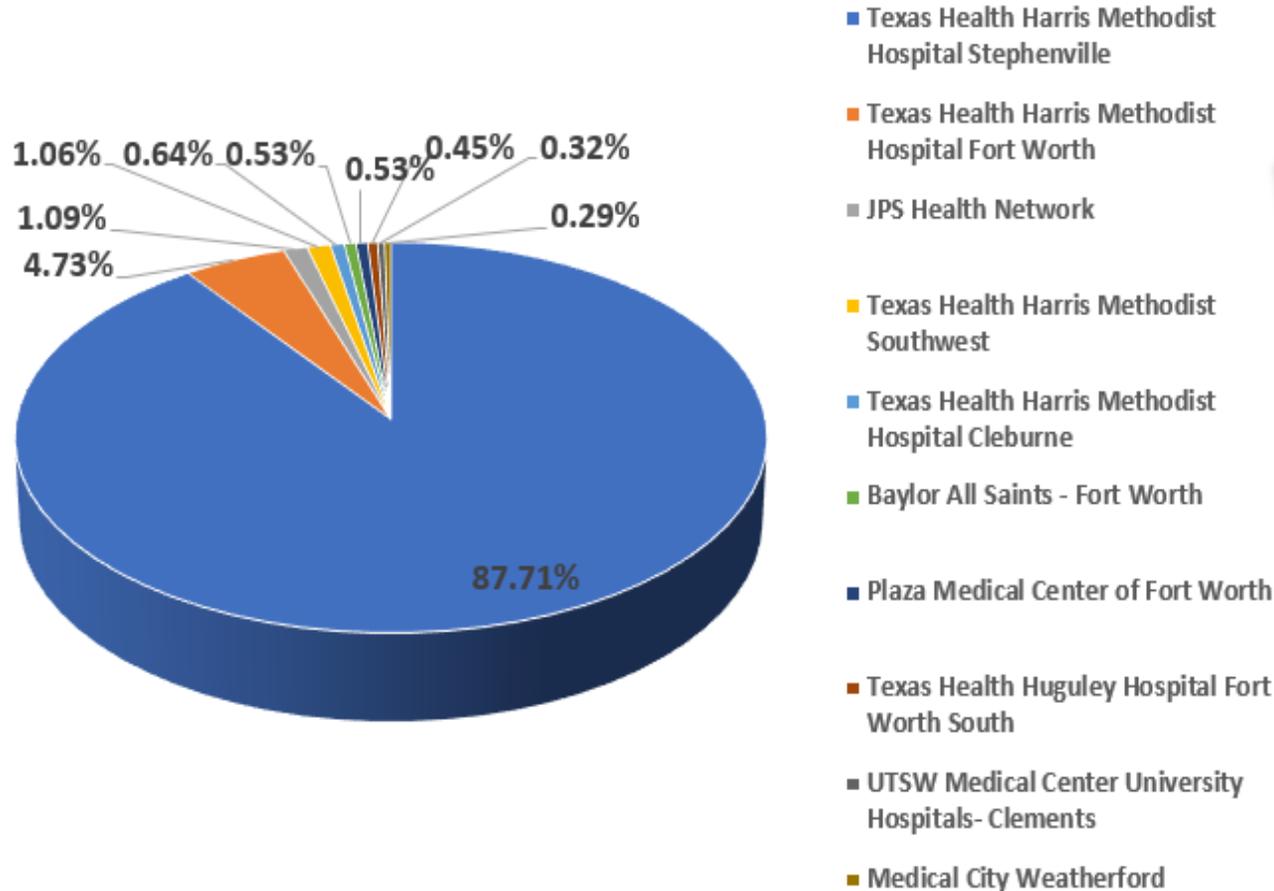


Erath
County



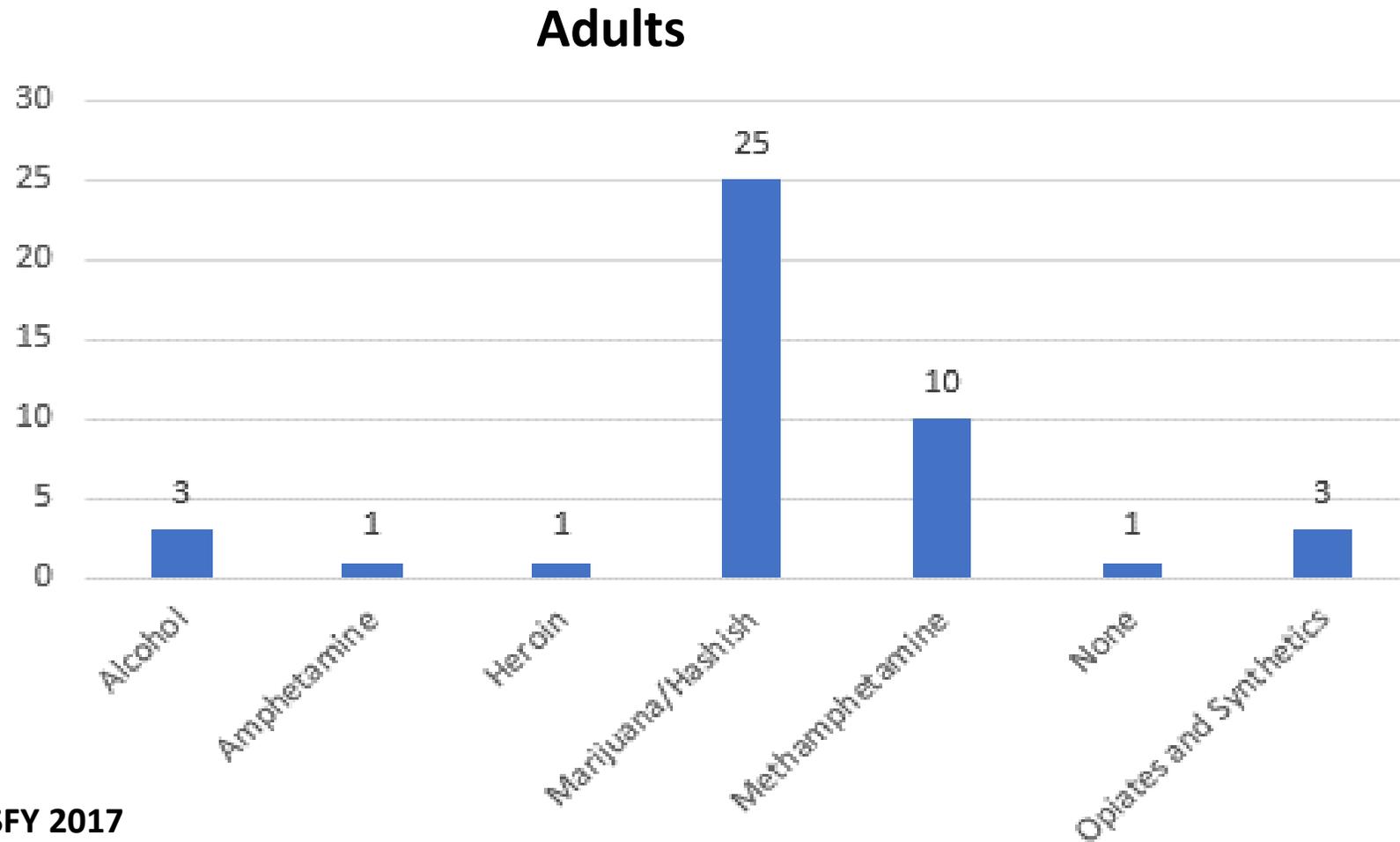
Patient Migration*

Top % of hospitals where patients seek care



*Patients seeking care outside their residential county.

Outreach, Screening, Assessment and Referral Center Data: Erath*



*OSAR data is for SFY 2017
No youth data available

Texas Poison Control Center Data 2017: Erath County

Exposure Counts: 239
Exposure per 1,000: 5.92

Top-3 exposure sites

Own residence: 127
 Schools: 1
 Workplace: 4

Age distribution

<=5 years	108
6-12 years	23
13-19 years	21
20's	20
30's	22
40's	14
50's	12
60's	6
70's	5
80's	3
Unknown age	5

Substance Category	
Analgesics	34
Cosmetics/Personal Care Products	15
Cold and Cough Preparations	10
Sedative/Hypnotics/Antipsychotics	12
Topical Preparations	7
Antihistamines	18
Antidepressants	13
Alcohols	8
Cardiovascular Drugs	19
Antimicrobials	9
Vitamins	8
Chemicals	10
Plants	4
Hormones and Hormone Antagonists	5
Gastrointestinal Preparations	11
Anticonvulsants	7
Stimulants and Street Drugs	4
Dietary	
Supplements/Herbals/Homeopathic	4



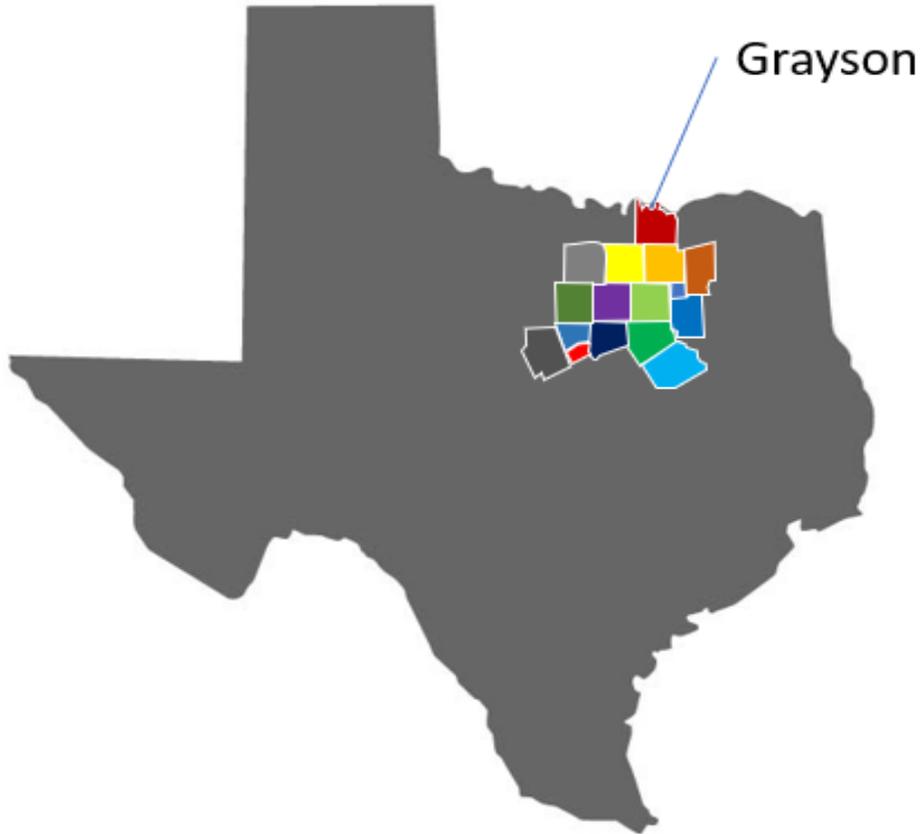
Key findings from Erath County

- Total cases (patient visits with substance misuse) reported in 2017: 3,760
- 88% were outpatient visits
- 90% patients discharged to home and 8% transferred to another facility/provider
- 32% were insured patients and 40% were uninsured
- 99% Non Hispanic/Latino; 95% Whites, 2% Blacks and 2% Others
- 84% visits from the age group 26-60 years
- After nicotine, top substances were alcohol, cannabis, cocaine, psychoactive substances and opiates
- OSAR data suggests top-5 substances used by adults were marijuana, methamphetamine, opiates and alcohol



Substance Misuse Community Needs Assessment

Grayson County



Total Population: 127,014

Area: 932.8 Sq. Mile

Patients with the Highest Number of Visits

Patient	Number of Emergency Department Visits	Total Charge Filed/Patient
1	36	\$213,449
2	27	\$52,039
3	22	\$612,319
4	22	\$321,459
5	22	\$243,889
6	21	\$559,255
7	20	\$181,674
8	19	\$141,344
9	18	\$398,796
10	18	\$724,911
Total	225	\$3,449,135

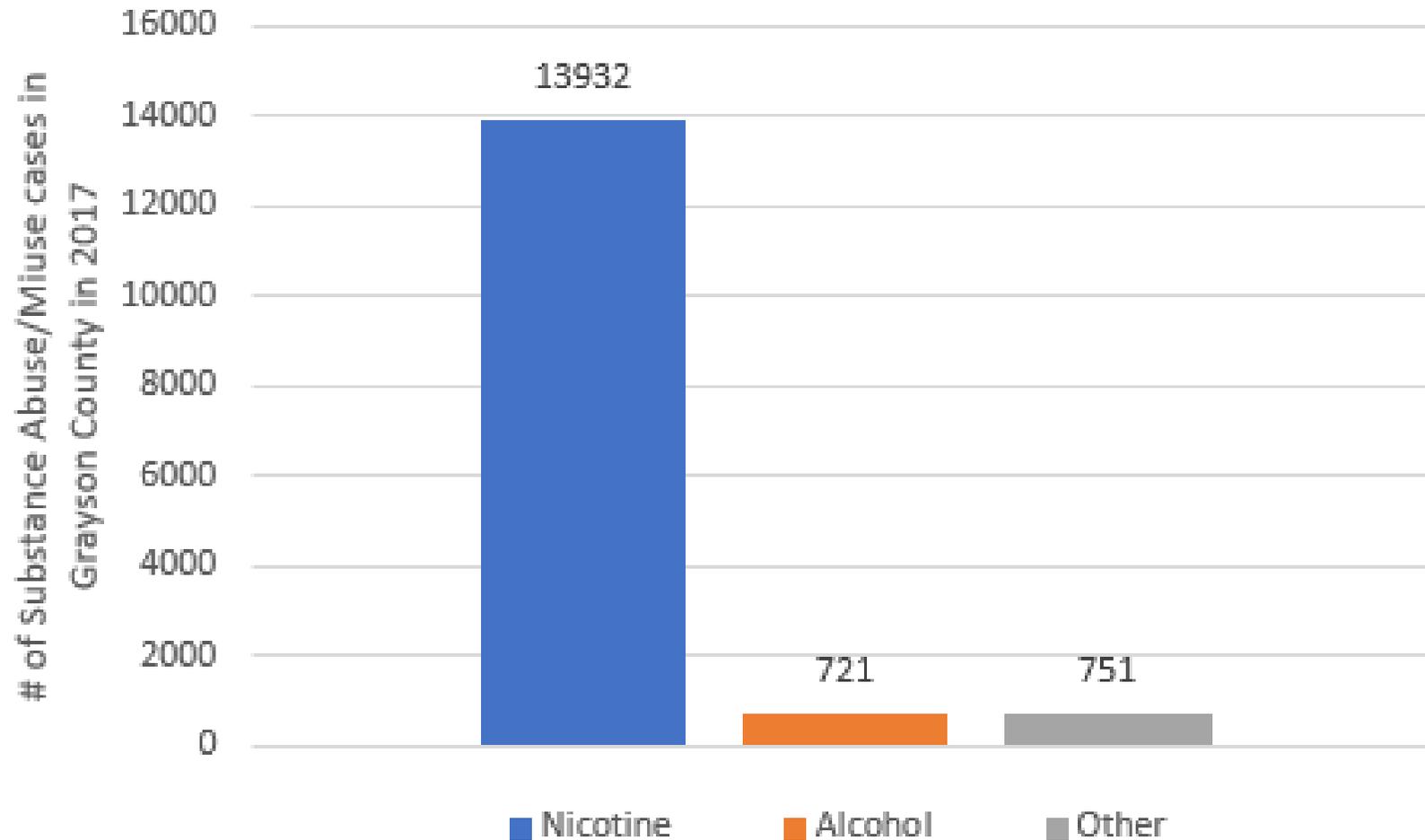
Characteristics of Patients with Substance Misuse issues in Grayson County 2017

Total cases (N)				14,693	
Charges (Dollars; Average charges filed per visit)				\$19,442	
Admission Type (N,%)					
	Outpatients			11,357	77.30%
	Inpatients			3,338	22.72%
Discharge Status (N,%)					
	Discharged to Home			13,203	89.86%
	Transferred			1,008	6.86%
	Left Against Medical Advice			309	2.10%
	Still Patient or Expected to Return			8	0.05%
	Unknown			55	0.37%
	Expired			64	0.44%
	Hospice - home			36	0.25%
	Hospice – medical facility			8	0.05%
	Admitted as an Inpatient			2	0.01%
Medical Insurance (N, %)					
	Insured			6,867	46.74%
	Medicare			2,532	17.23%
	Medicaid			737	5.02%
	Uninsured			4,559	31.03%

Characteristics of Patients with Substance Misuse issues in Grayson County 2017

Gender (N, %)							
	Females			7,243			49.30%
	Males			5,437			37.00%
	x			2,013			13.70%
Race (N, %)							
	White			12,881			87.67%
	Black			1,316			8.96%
	Other			479			3.26%
Ethnicity (N,%)							
	Hispanic or Latino			493			3.36%
	Not Hispanic or Latino			14,198			96.63%
Age Groups							
	< =12			9			0.06%
	13-18			341			2.32%
	19-25			1811			12.33%
	26-40			4472			30.44%
	41-60			5508			37.49%
	>60			2249			15.31%

Substance Misuse in Grayson County 2017

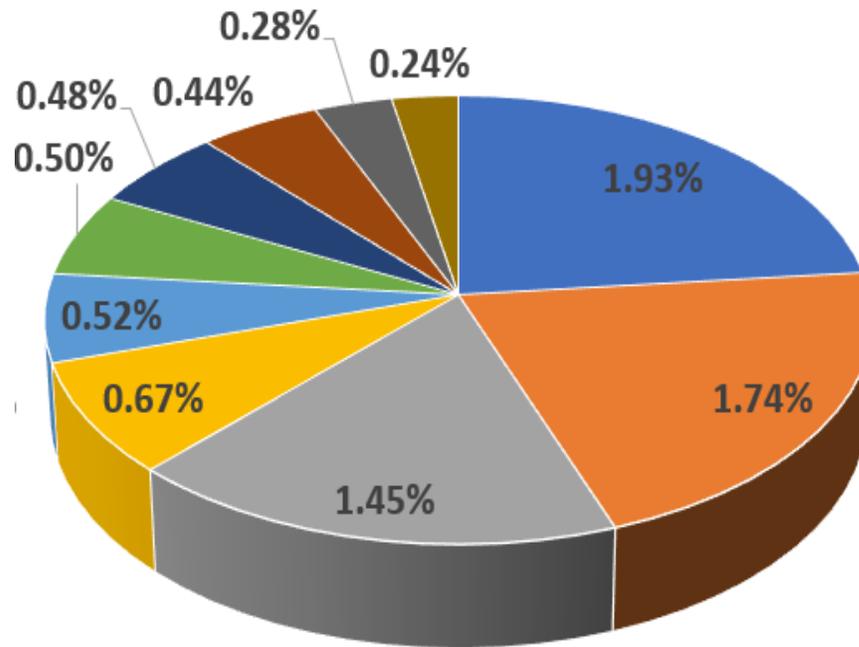


Top-10 Substance Misuses in Grayson County 2017

Substance Per ICD-10 Code Description	Count	%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	10346	62.65%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	3113	18.85%
ALCOHOL ABUSE, UNCOMPLICATED	341	2.07%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	322	1.95%
OTHER STIMULANT ABUSE, UNCOMPLICATED	283	1.71%
CANNABIS ABUSE, UNCOMPLICATED	255	1.54%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	213	1.29%
ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	205	1.24%
ALCOHOL DEPENDENCE, UNCOMPLICATED	175	1.06%
NICOTINE DEPENDENCE CHEWING TOBACCO UNCOMP	151	0.91%

Top Non-Nicotine/Alcohol Substance Misuses in Grayson County 2017

% of non Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Description

- OTHER STIMULANT ABUSE, UNCOMPLICATED
- CANNABIS ABUSE, UNCOMPLICATED
- CANNABIS USE, UNSPECIFIED, UNCOMPLICATED
- OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED
- OPIOID DEPENDENCE WITH WITHDRAWAL
- OPIOID DEPENDENCE, UNCOMPLICATED
- OPIOID ABUSE, UNCOMPLICATED
- COCAINE ABUSE, UNCOMPLICATED
- SEDATIVE HYPNOTIC OR ANXIOLYTIC ABUSE UNCOMP
- OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED

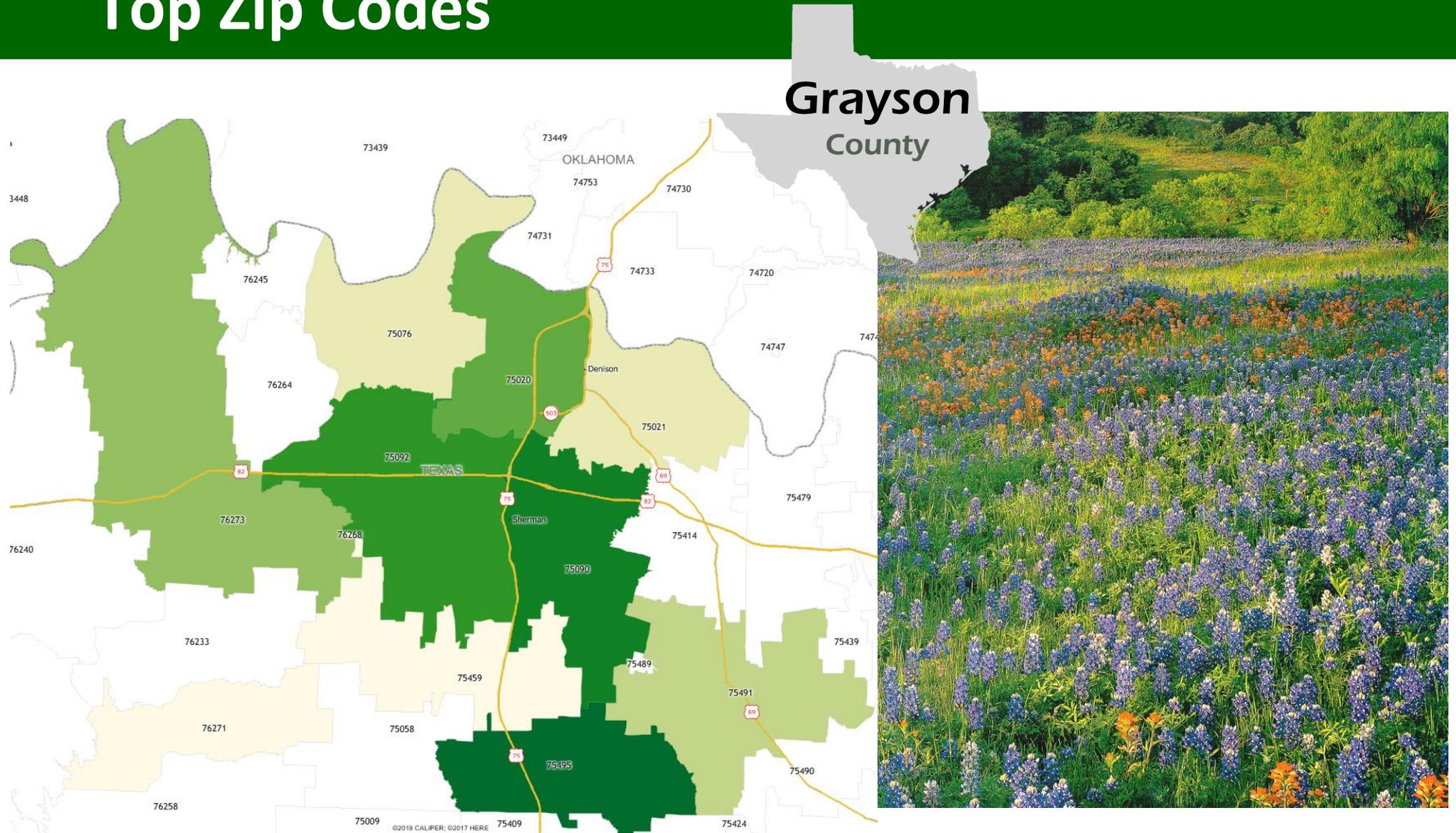
Top Number of Visits/Patients per Zip Codes

Rank	Zip Code	Visits*	%	Rank	Zip Code	Patients**	%
1	75020	4018	27.35%	1	75020	2206	26.53%
2	75090	2381	16.20%	2	75090	1468	17.66%
3	XXXXX***	2013	13.70%	3	XXXXX***	1445	17.38%
4	75092	1429	9.73%	4	75092	903	10.86%
5	75021	1378	9.38%	5	75021	785	9.44%
6	75076	785	5.34%	6	75076	512	6.16%
7	76273	494	3.36%	7	76273	362	4.35%
8	75495	476	3.24%	8	75495	295	3.55%
9	75491	336	2.29%	9	75491	236	2.84%
10	75459	300	2.04%	10	75459	196	2.36%

*A patient may have many visits **All of a patient's visit in 2017 is counted as one *** XXXXX - Undisclosed

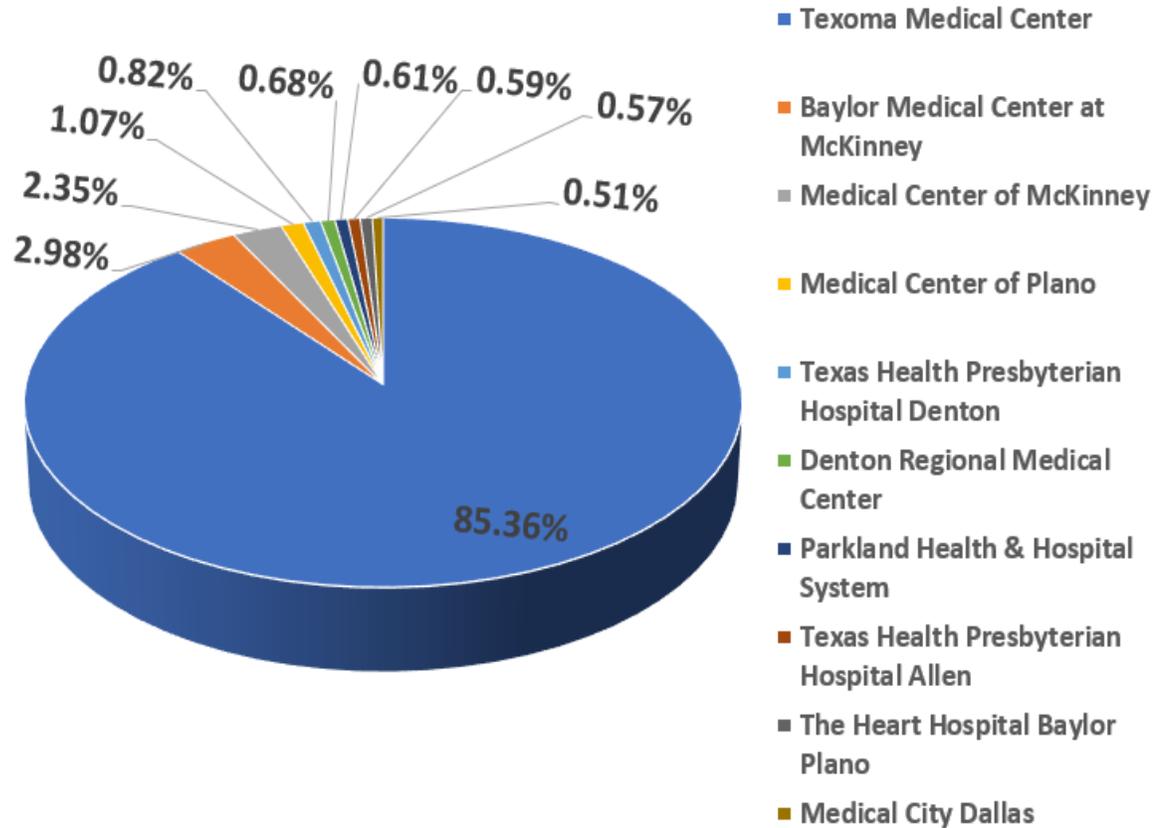
Top Zip Codes

The darker the shade of green, the higher the number of residents' hospital visits.



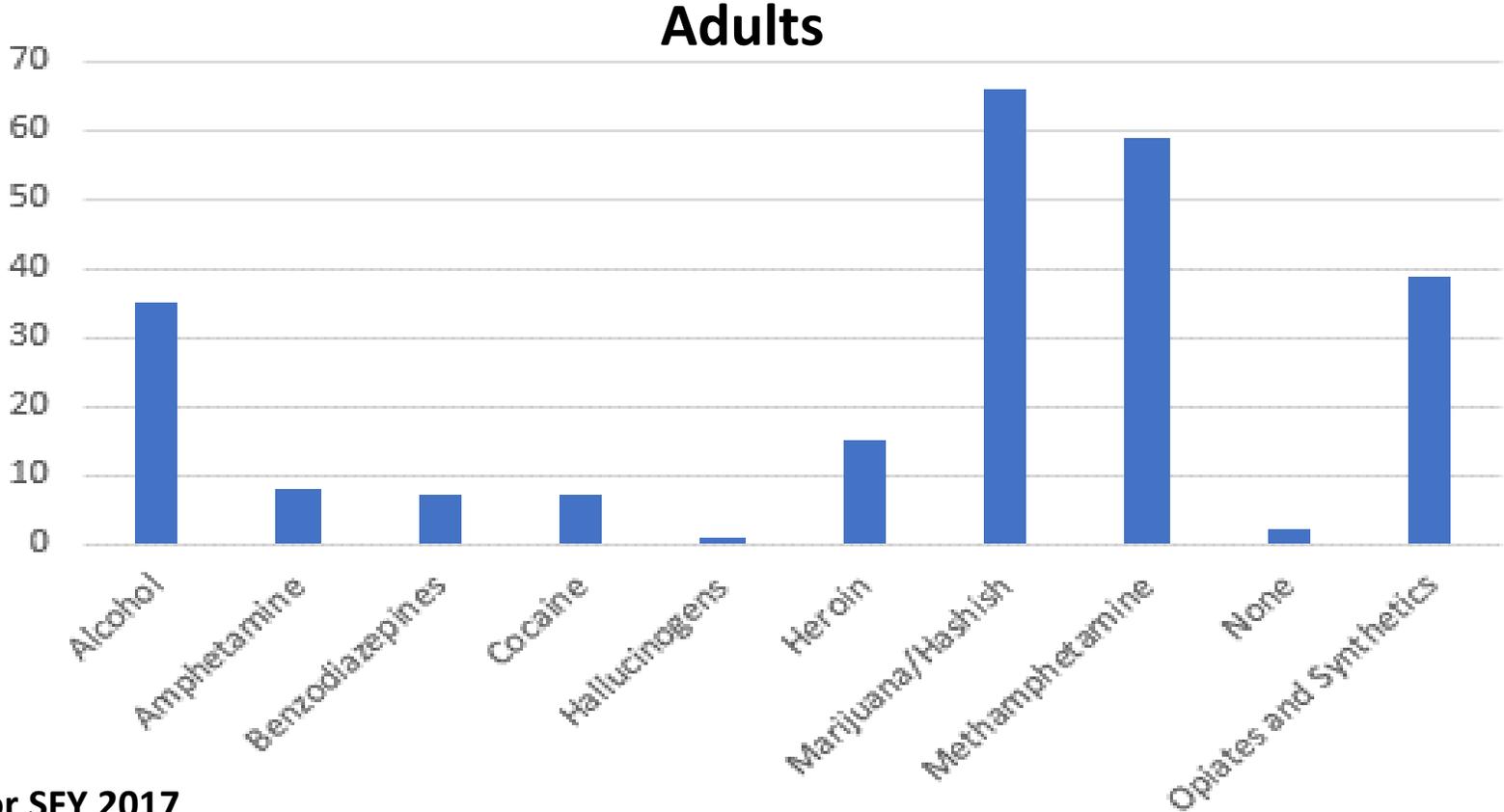
Patient Migration*

Top % of hospitals where patients seek care



*Patients seeking care outside their residential county.

Outreach, Screening, Assessment and Referral Center Data: Grayson County*



*OSAR data is for SFY 2017
No youth data available

Texas Poison Control Center Data 2017: Grayson County

Exposure Counts: 932

Exposure per 1,000: 7.19

Top-3 exposure sites

Own residence: 575

Schools: 8

Workplace: 3

Age distribution

<=5 years	466
6-12 years	53
13-19 years	68
20's	84
30's	68
40's	50
50's	52
60's	32
70's	22
80's	10
>=90	4
Unknown age	23

Substance Category	
Analgesics	122
Cosmetics/Personal Care Products	75
Sedative/Hypnotics/Antipsychotics	67
Antidepressants	56
Antihistamines	57
Cold and Cough Preparations	33
Cardiovascular Drugs	55
Topical Preparations	37
Alcohols	31
Antimicrobials	26
Vitamins	24
Gastrointestinal Preparations	24
Stimulants and Street Drugs	28
Anticonvulsants	26
Hormones and Hormone Antagonists	29
Muscle Relaxants	27



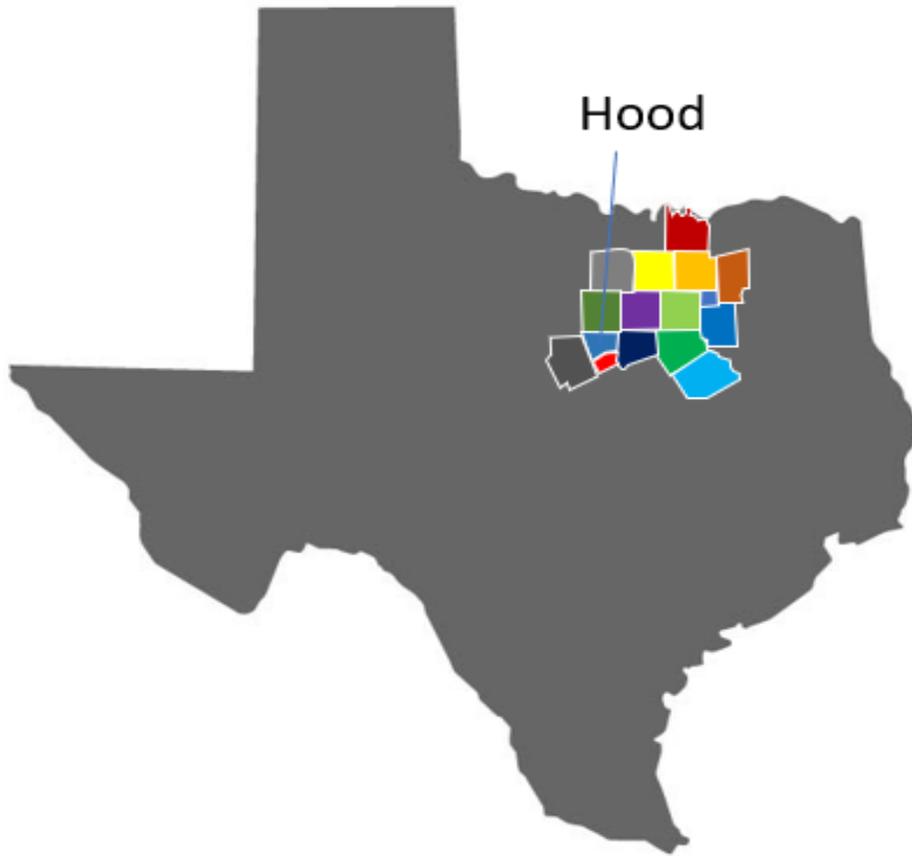
Key findings from Grayson County

- Total cases (patient visits with substance misuse) reported in 2017: 14,693
- 77% were outpatient visits
- 90% patients were discharged to home and 7% transferred to another facility/provider
- 47% were insured patients and 31% uninsured
- 97% Non Hispanic/Latino; 88% Whites, 9% Blacks and 3% Others
- 83% visits from the age group 26-60 years
- After nicotine, other substance were alcohol, cannabis, cocaine and opiates
- OSAR data suggests the top-5 substances used by adults were marijuana, methamphetamine, opiates and alcohol



Substance Misuse Community Needs Assessment

Hood County



Total Population: 57,126

Area: 420.6 Sq. Mile

Patients with the Highest Number of Visits

Patient	Number of Emergency Department Visits	Total Charge Filed /Patient
1	13	\$25,498
2	10	\$63,882
3	10	\$32,137
4	10	\$32,137
5	9	\$159,203
6	9	\$55,245
7	9	\$112,160
8	9	\$42,355
9	8	\$87,873
10	8	\$53,247
Total	95	\$663,737

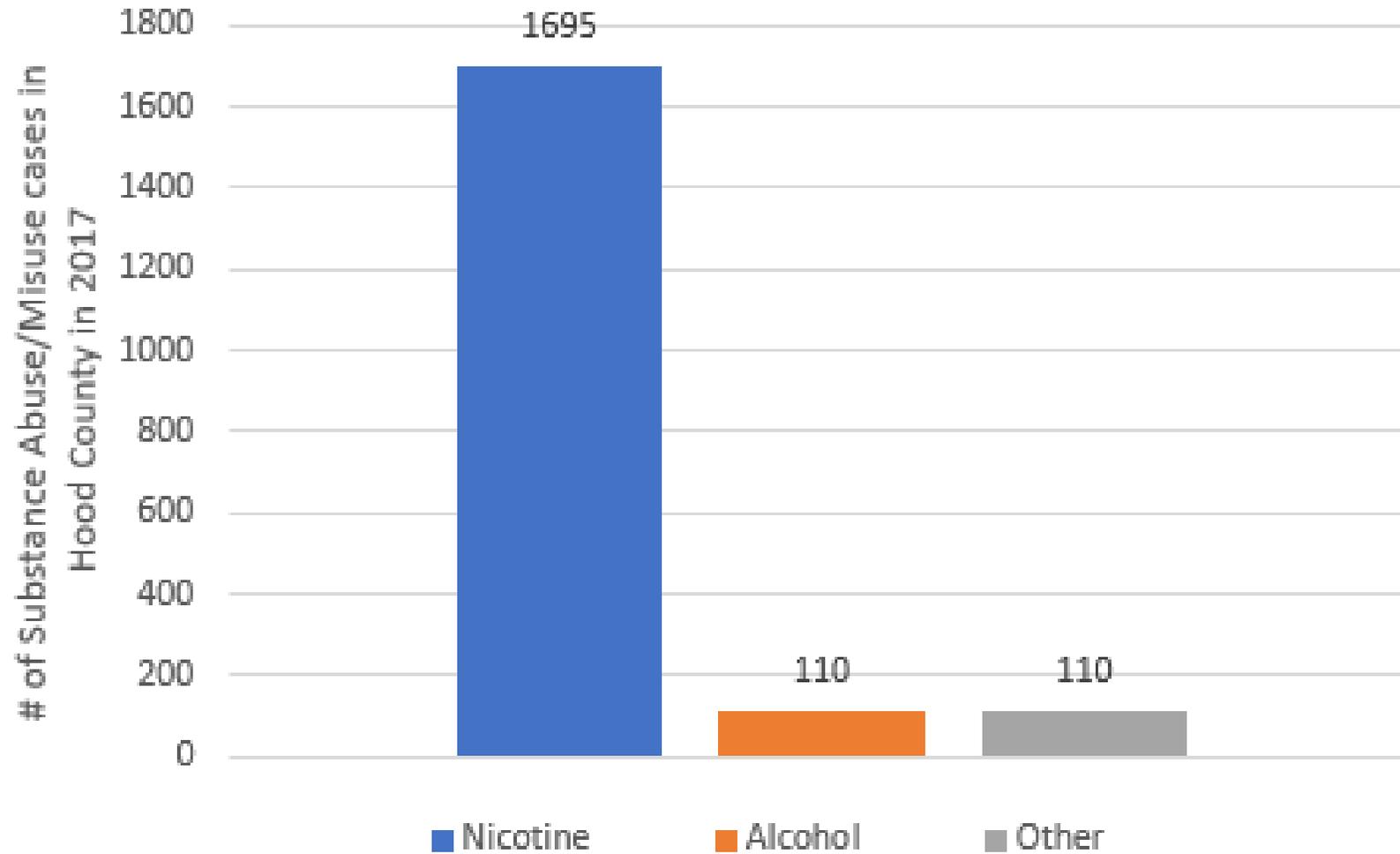
Characteristics of Patients with Substance Misuse issues in Hood County 2017

Total cases (N)					1,886	
Charges (Dollars; Average charges filed per visit)					\$31,096	
Admission Type (N,%)						
	Outpatients				1,323	70.15%
	Inpatients				563	29.85%
Discharge Status (N,%)						
	Discharged to Home				1,631	86.48%
	Transferred				190	10.07%
	Left Against Medical Advice				190	10.07%
	Still Patient or Expected to Return				2	0.11%
	Unknown				3	0.16%
	Expired				16	0.85%
	Hospice - home				5	0.27%
	Hospice – medical facility				6	0.32%
	Admitted as an Inpatient				0	0.00%
Medical Insurance (N, %)						
	Insured				772	40.93%
	Medicare				420	22.27%
	Medicaid				208	11.03%
	Uninsured				486	25.77%

Characteristics of Patients with Substance Misuse issues in Hood County 2017

Gender (N, %)					
	Females		764		40.51%
	Males		782		41.46%
	x		340		18.03%
Race (N, %)					
	White		1,673		88.71%
	Black		27		1.43%
	Other		171		9.07%
Ethnicity (N,%)					
	Hispanic or Latino		68		3.61%
	Not Hispanic or Latino		1,816		96.29%
Age Groups					
	< =12		0		0.00%
	13-18		23		1.22%
	19-25		158		8.38%
	26-40		495		26.25%
	41-60		663		35.15%
	>60		547		29.00%

Substance Misuse in Hood County 2017

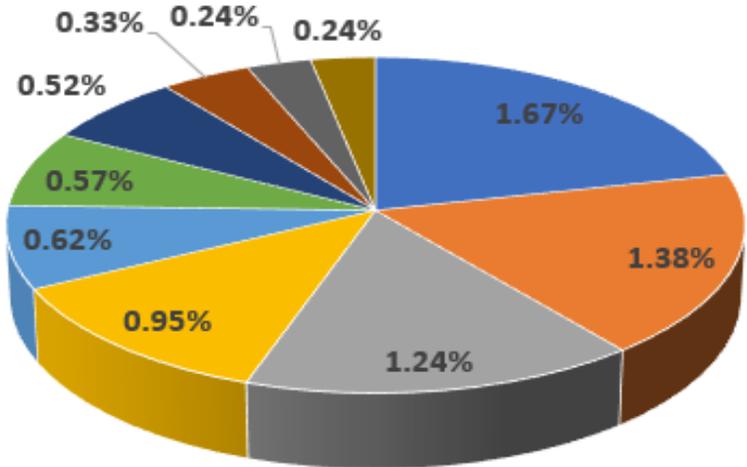


Top-10 Substance Misuses in Hood County 2017

Substance Per ICD-10 Code Description	Count	%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	1105	52.57%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	459	21.84%
ALCOHOL ABUSE, UNCOMPLICATED	83	3.95%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	68	3.24%
NICOTINE DEPENDENCE CHEWING TOBACCO UNCOMP	63	3.00%
CANNABIS ABUSE, UNCOMPLICATED	35	1.67%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	29	1.38%
ALCOHOL DEPENDENCE, UNCOMPLICATED	27	1.28%
OTHER STIMULANT ABUSE, UNCOMPLICATED	26	1.24%
OPIOID DEPENDENCE WITH WITHDRAWAL	20	0.95%

Top-10 Non-Nicotine/Alcohol Substance Misuses in Hood County 2017

% of non Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Description

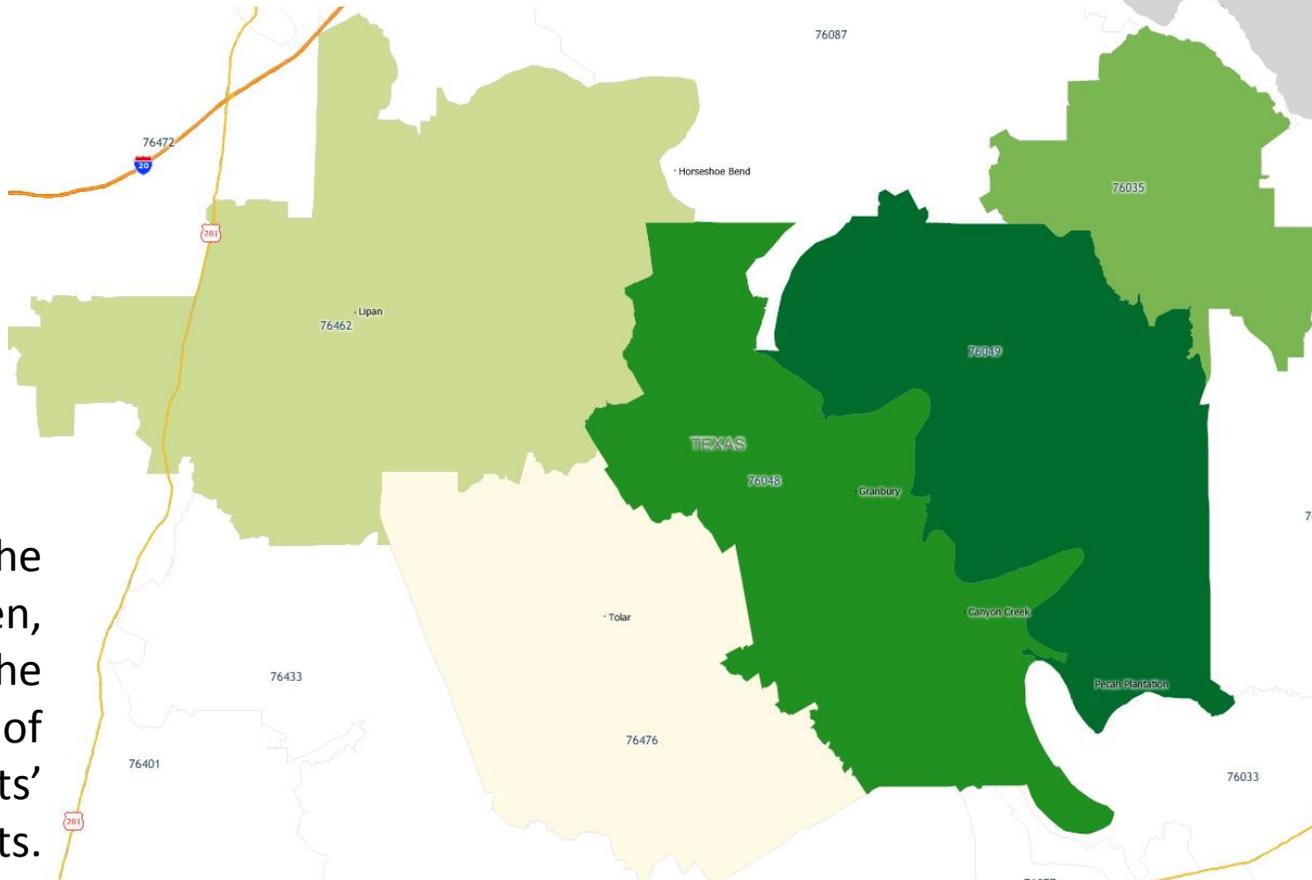
- CANNABIS ABUSE, UNCOMPLICATED
- CANNABIS USE, UNSPECIFIED, UNCOMPLICATED
- OTHER STIMULANT ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE WITH WITHDRAWAL
- OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED
- OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED
- OPIOID ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE, UNCOMPLICATED
- OTH PSYCHOACTIVE SUBSTANCE ABUSE W UNSP DISORDER
- COCAINE ABUSE, UNCOMPLICATED

Top Number of Visits/Patients per Zip Codes

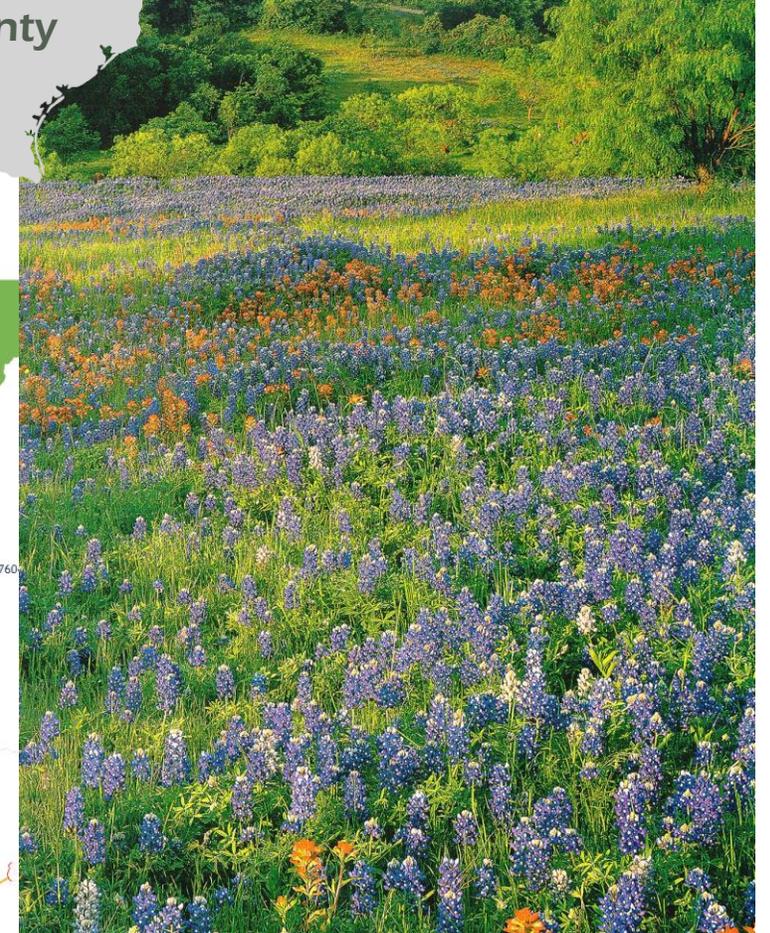
Rank	Zip Code	Visits*	%	Rank	Zip Code	Patients**	%
1	76049	654	0.346766	1	76049	474	0.360456
2	76048	599	0.317603	2	76048	421	0.320152
3	XXXXX***	340	0.180276	3	XXXXX***	274	0.208365
4	76462	112	0.059385	4	76035	79	0.060076
5	76035	112	0.059385	5	76462	78	0.059316
6	76476	56	0.029692	6	76476	39	0.029658
7	760XX	8	0.004242	7	760XX	8	0.006084
8	764XX	5	0.002651	8	764XX	5	0.003802

*A patient may have many visits **All of a patient's visit in 2017 is counted as one ***XXXXX - Undisclosed

Top Zip Codes

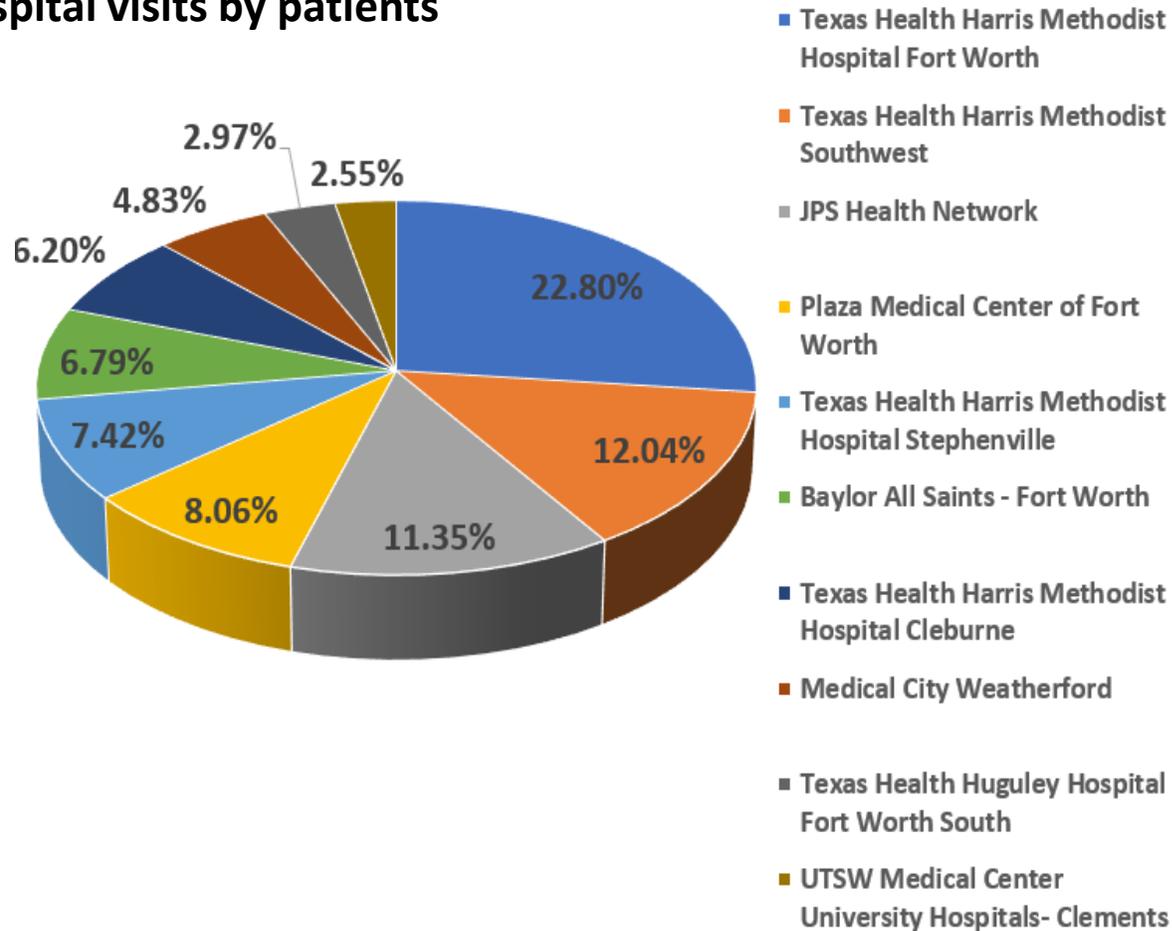


The darker the shade of green, the higher the number of residents' hospital visits.



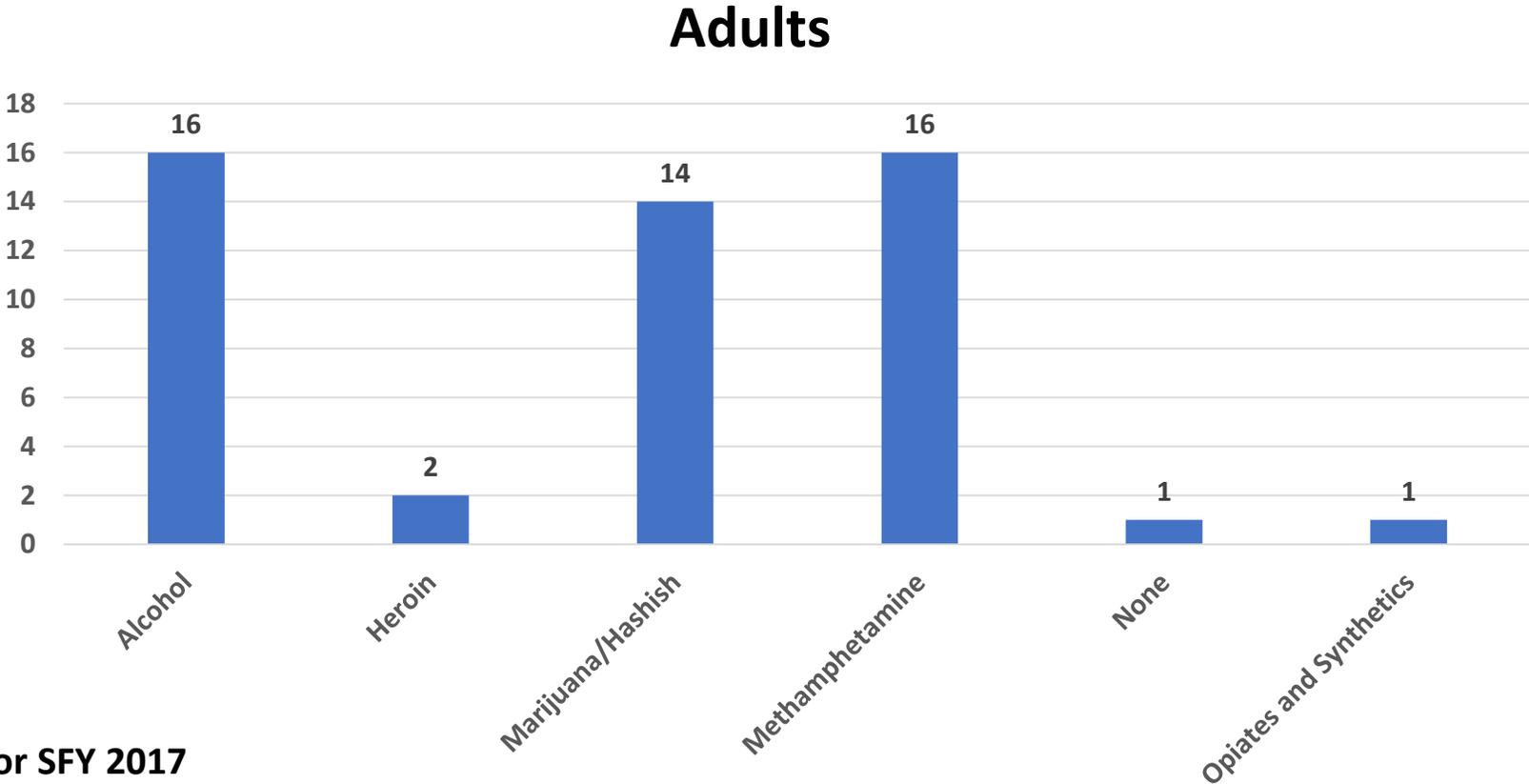
Patient Migration*

Top % of hospital visits by patients



*Patients seeking care outside their residential county.

Outreach, Screening, Assessment and Referral Center Data: Hood County*



*OSAR data is for SFY 2017
No youth data available

Texas Poison Control Center Data 2017: Hood County

Exposure Counts: 372

Exposure per 1,000: 6.40

Top-3 exposure sites

Own residence: 265

Schools: 2

Workplace: 1

Age distribution

<=5 years	212
6-12 years	23
13-19 years	30
20's	25
30's	13
40's	13
50's	20
60's	15
70's	5
80's	3
>=90	2
Unknown age	11

Substance Category	
Analgesics	52
Sedative/Hypnotics/Antipsychotics	29
Antidepressants	40
Cold and Cough Preparations	13
Antihistamines	34
Topical Preparations	17
Cardiovascular Drugs	32
Antimicrobials	12
Alcohols	44
Hormones and Hormone Antagonists	20
Anticonvulsants	27
Vitamins	17
Gastrointestinal Preparations	22
Stimulants and Street Drugs	13
Dietary Supplements/Herbals/Homeopathic	17
Muscle Relaxants	10
Miscellaneous Drugs	27
Eye/Ear/Nose/Throat Preparations	1
Anticholinergic Drugs	5
Anesthetics	1



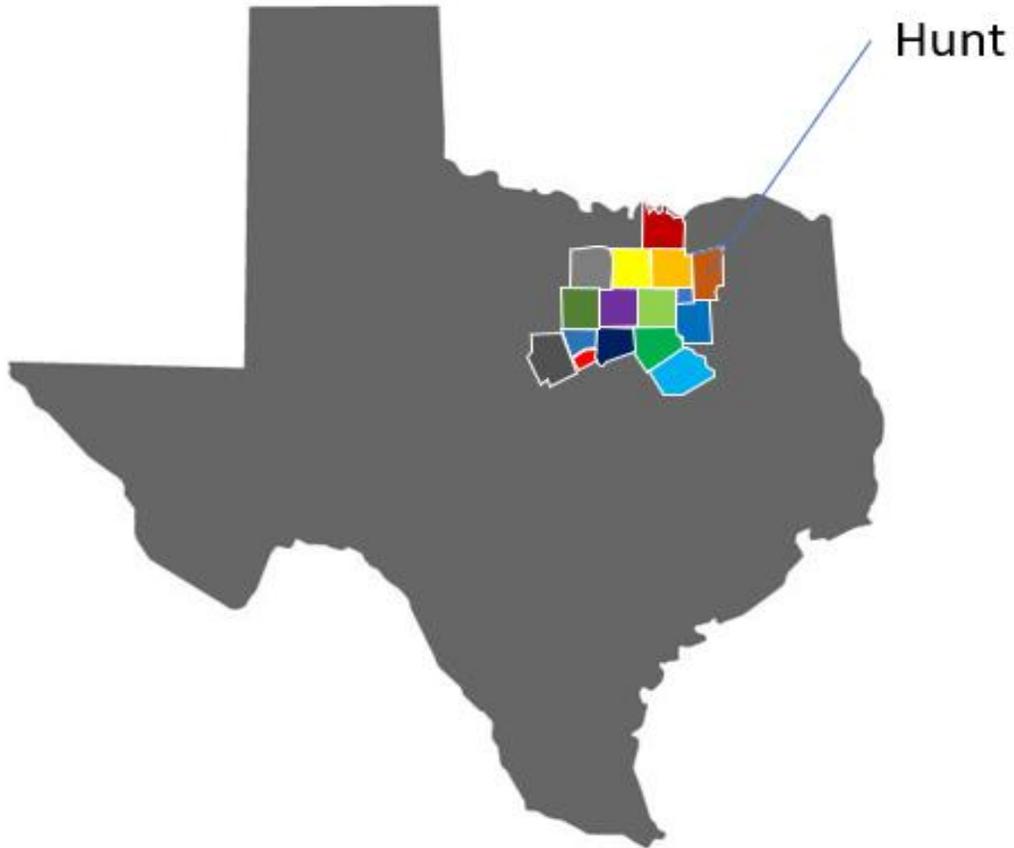
Key findings from Hood County

- Total cases (patient visits with substance misuse) reported in 2017: 1,886
- 70% were outpatient visits
- 87% discharged to home and 10% transferred to another facility/provider
- 41% were insured and 26% uninsured
- 96% Non Hispanic/Latino; 89% Whites, 1% Blacks and 9% Others
- 64% visits from the age group 26-60 years
- After nicotine, other top substances were alcohol, cannabis, psychoactive substances and opioids
- OSAR data suggest top-5 substances abused by adults were alcohol, methamphetamine, marijuana, heroin and opiates



Substance Misuse Community Needs Assessment

Hunt County



Total Population: 91,312

Area: 840.3 Sq. Mile

Patients with the Highest Number of Visits

Patient	Number of Emergency Department Visits	Total Charges Filed/Patient
1	35	\$170,952
2	23	\$214,087
3	21	\$18,190
4	21	\$103,698
5	19	\$96,576
6	18	\$170,648
7	18	\$323,867
8	16	\$513,482
9	15	\$46,412
10	15	\$102,392
Total	201	\$1,760,304

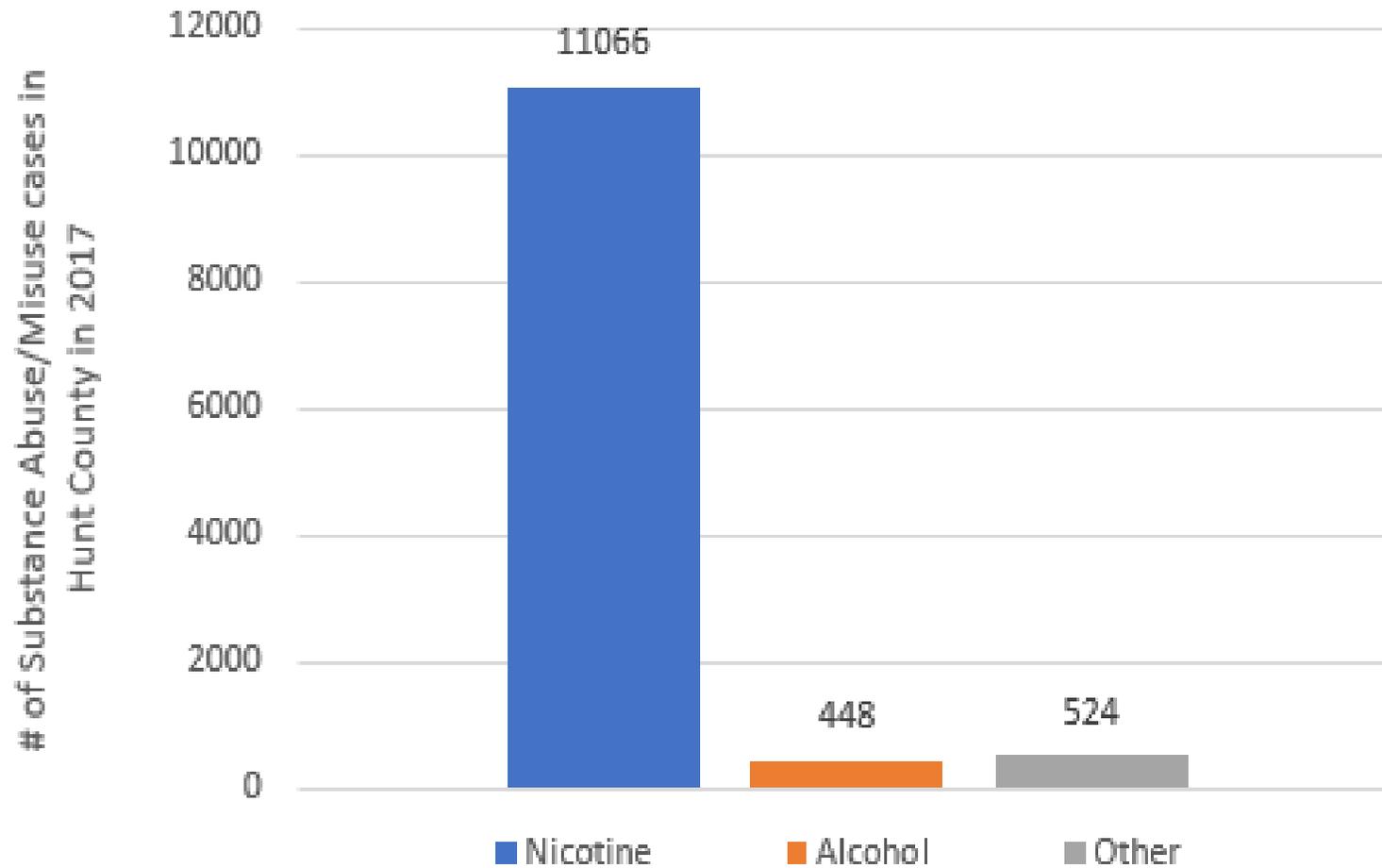
Characteristics of Patients with Substance Misuse issues in Hunt County 2017

Total cases (N)		11,727	
Charges (Dollars; Average charges filed per visit)		\$13,283	
Admission Type (N,%)			
	Outpatients	9,646	82.25%
	Inpatients	2,081	17.75%
Discharge Status (N,%)			
	Discharged to Home	10,367	88.40%
	Transferred	998	8.51%
	Left Against Medical Advice	263	2.24%
	Still Patient or Expected to Return	11	0.09%
	Unknown	9	0.08%
	Expired	35	0.30%
	Hospice - home	30	0.26%
	Hospice – medical facility	12	0.10%
	Admitted as an Inpatient	2	0.02%
Medical Insurance (N, %)			
	Insured	3,000	25.58%
	Medicare	2,976	25.38%
	Medicaid	1,625	13.86%
	Uninsured	4,125	35.18%

Characteristics of Patients with Substance Misuse issues in Hunt County 2017

Gender (N, %)				
	Females		5,509	46.98%
	Males		4,700	40.08%
	x		1,517	12.94%
Race (N, %)				
	White		9,148	78.01%
	Black		1,827	15.58%
	Other		726	6.19%
Ethnicity (N,%)				
	Hispanic or Latino		170	1.45%
	Not Hispanic or Latino		11,555	98.53%
Age Groups				
	< =12		5	0.04%
	13-18		228	1.94%
	19-25		1278	10.90%
	26-40		3263	27.82%
	41-60		4628	39.46%
	>60		2323	19.81%

Substance Misuse in Hunt County 2017

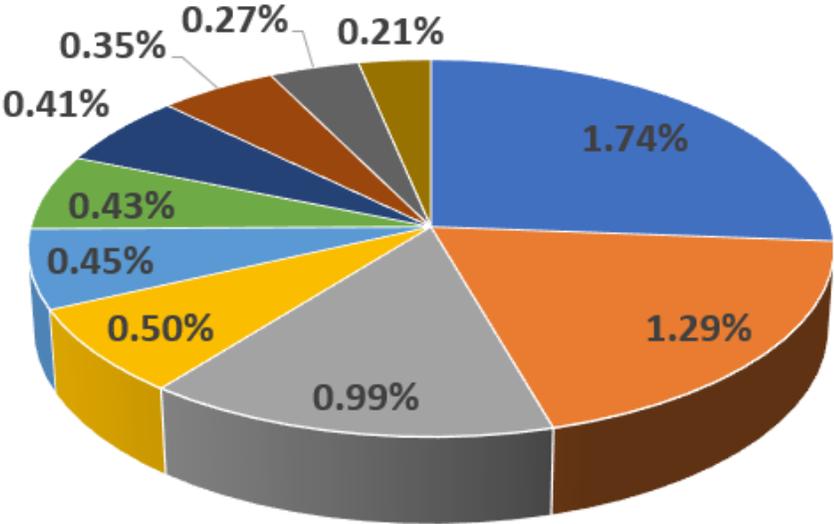


Top-10 Substance Misuses in Hunt County 2017

Substance Per ICD-10 Code Description	Count	%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	6,688	51.32%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	4,064	31.18%
OTHER STIMULANT ABUSE, UNCOMPLICATED	227	1.74%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	202	1.55%
ALCOHOL ABUSE, UNCOMPLICATED	187	1.43%
CANNABIS ABUSE, UNCOMPLICATED	168	1.29%
ALCOHOL DEPENDENCE, UNCOMPLICATED	156	1.20%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	129	0.99%
NICOTINE DEPENDENCE CHEWING TOBACCO UNCOMP	112	0.86%
ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	105	0.81%

Top-10 Non-Nicotine/Alcohol Substance Misuses in Hunt County 2017

% of non Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Description

- OTHER STIMULANT ABUSE, UNCOMPLICATED
- CANNABIS ABUSE, UNCOMPLICATED
- CANNABIS USE, UNSPECIFIED, UNCOMPLICATED
- OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED
- COCAINE ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE, UNCOMPLICATED
- OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED
- OPIOID ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE WITH WITHDRAWAL
- OTHER STIMULANT ABUSE WITH INTOX UNSPECIFIED

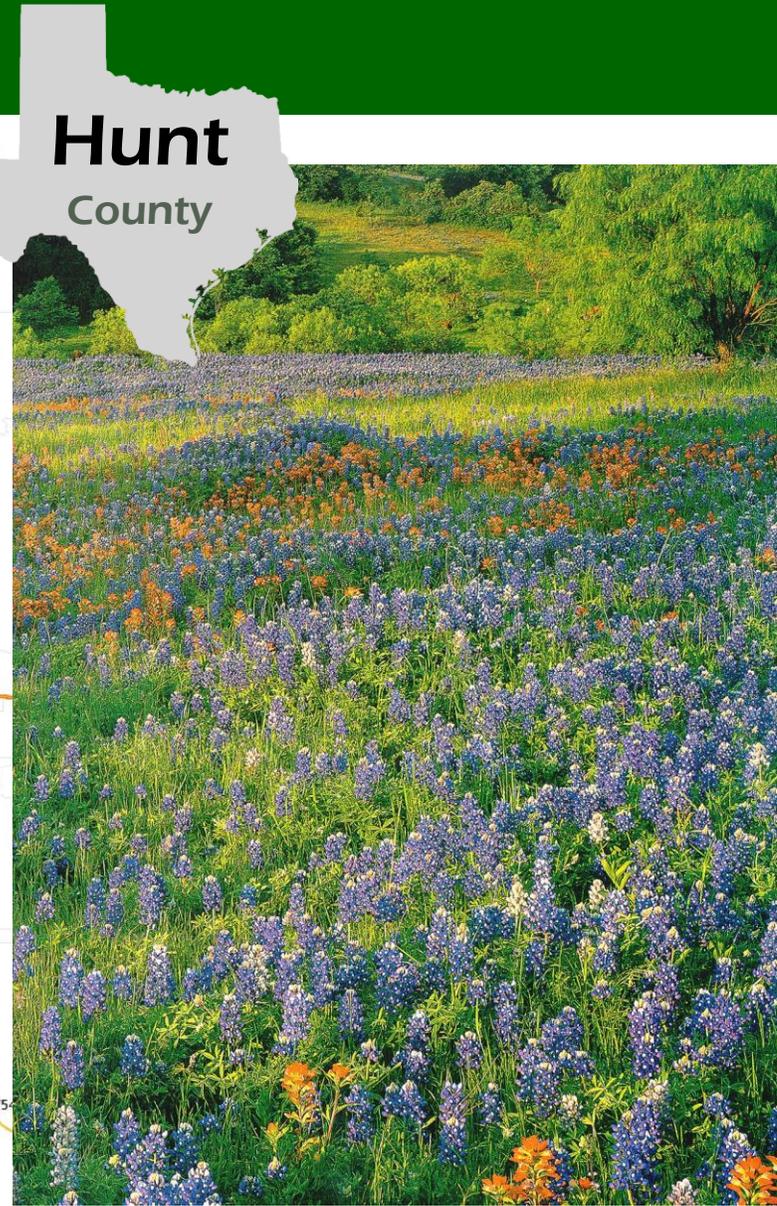
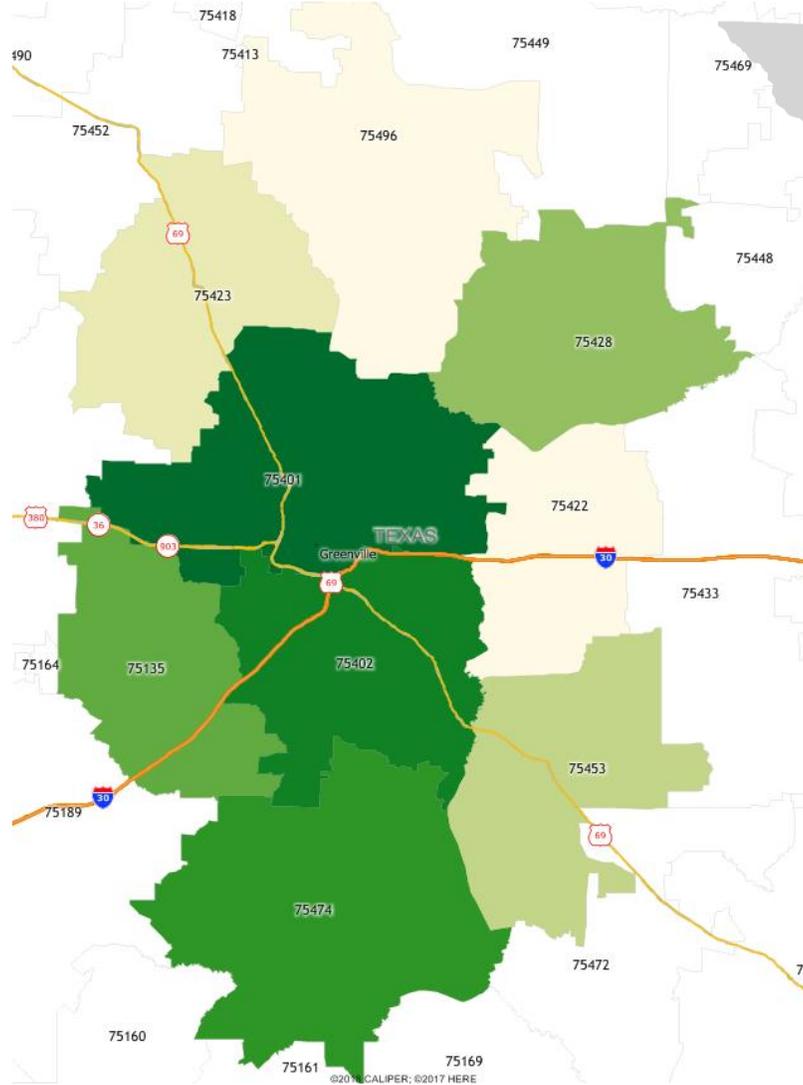
Top number of Visits/Patients per Zip Codes

Rank	Zip Code	Visits*	%	Rank	Zip Code	Patients**	%
1	75401	3693	31.49%	1	75401	2037	31.02%
2	75402	1990	16.97%	2	75402	1173	17.86%
3	75474	1785	15.22%	3	75474	1127	17.16%
4	XXXXX***	1518	12.94%	4	XXXXX***	1095	16.68%
5	75135	609	5.19%	5	75428	377	5.74%
6	75428	586	5.00%	6	75135	375	5.71%
7	75453	513	4.37%	7	75453	303	4.61%
8	75423	470	4.01%	8	75423	270	4.11%
9	75496	273	2.33%	9	75496	175	2.67%
10	75422	232	1.98%	10	75422	157	2.39%

*A patient may have many visits **All of a patient's visit in 2017 is counted as one ***XXXXX - Undisclosed

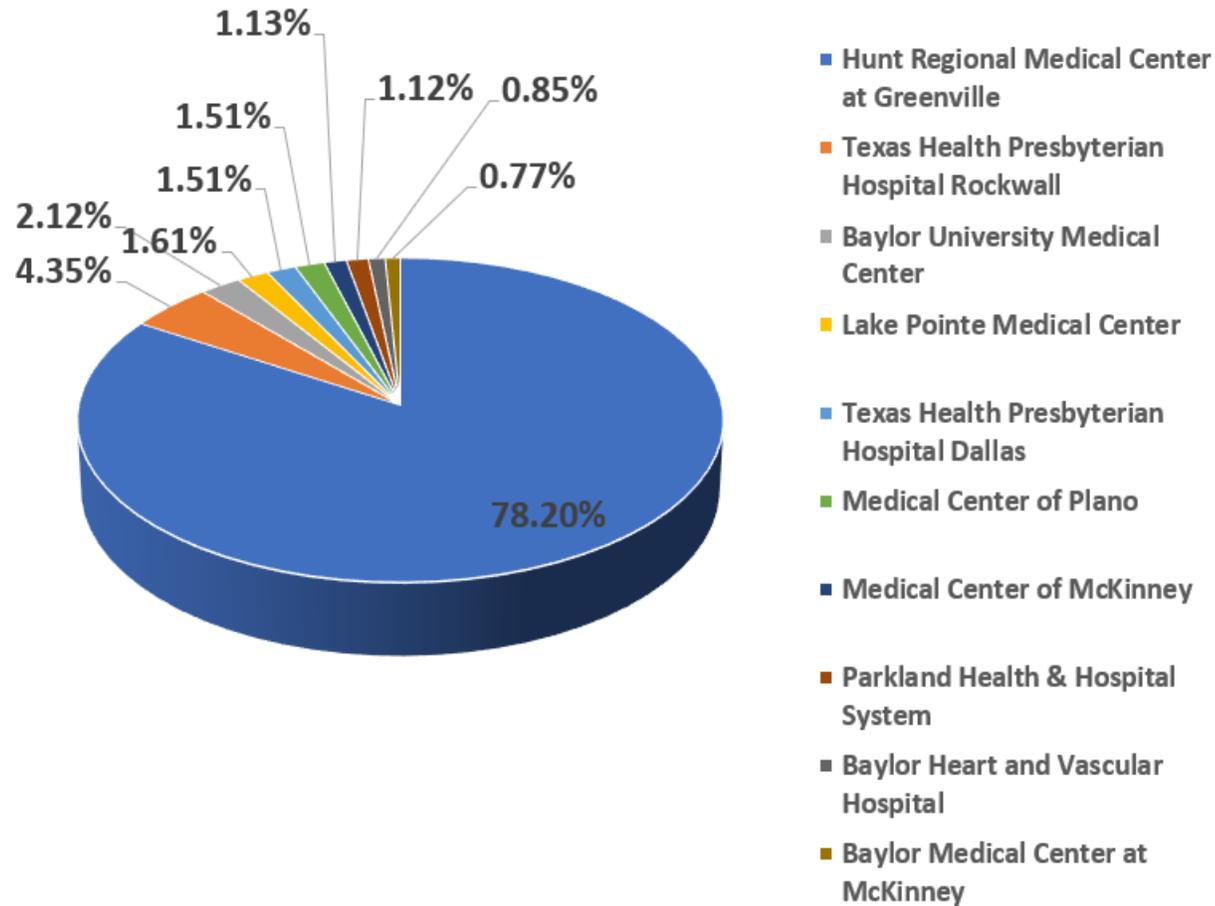
Top Zip Codes

The darker the shade of green, the higher the number of residents' hospital visits.



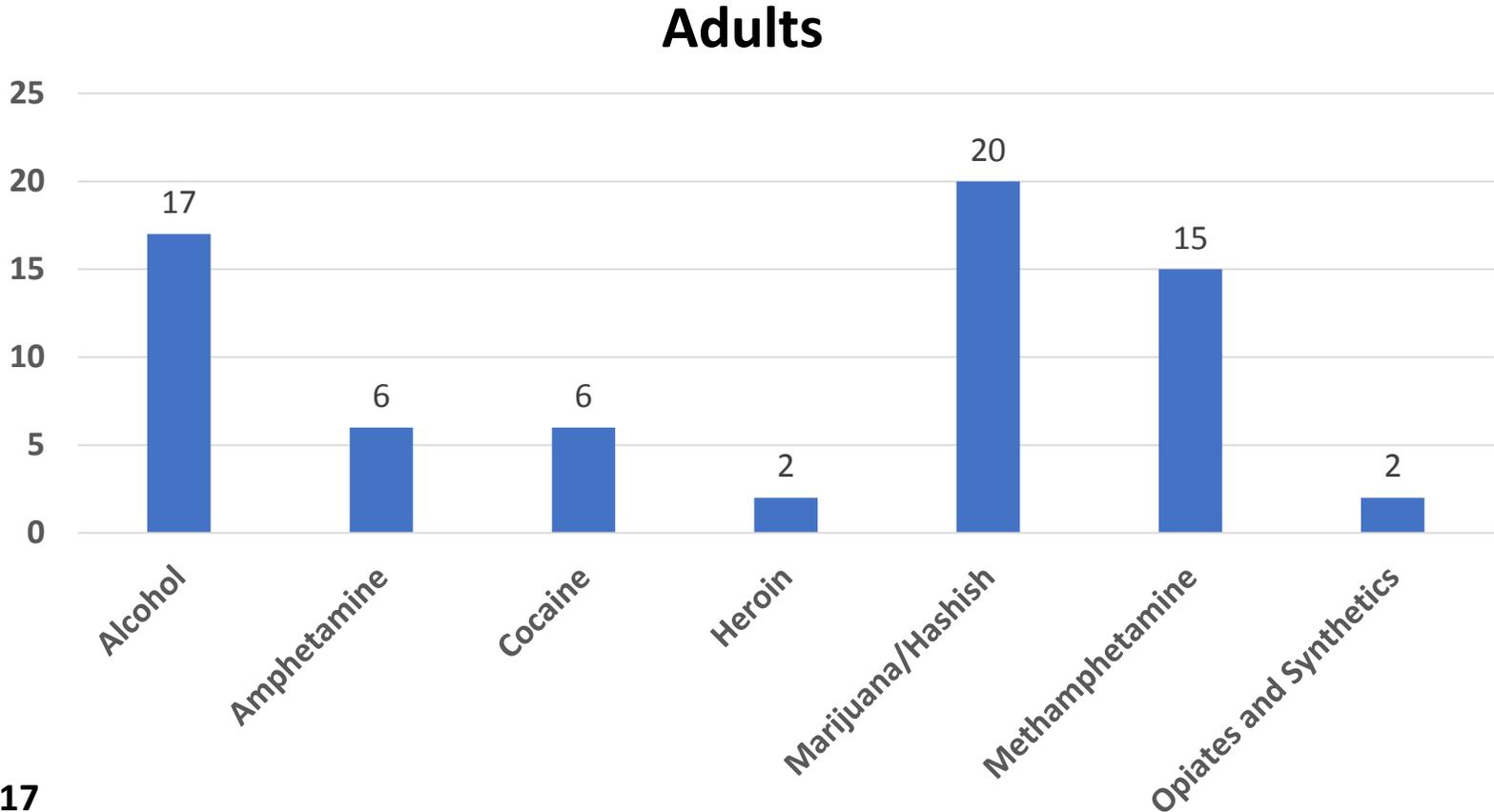
Patient Migration*

Top % of hospital visits by patients



*Patients seeking care outside their residential county

Outreach, Screening, Assessment and Referral Center Data: Hunt County*



*OSAR data is for SFY 2017
No youth data available

Texas Poison Control Center Data 2017: Hunt County

Exposure Counts: 565

Exposure per 1,000: 5.85

Top-3 exposure sites:

Own residence: 331

Schools: 7

Workplace: 2

Age distribution

<=5 years	265
6-12 years	42
13-19 years	48
20's	56
30's	32
40's	32
50's	35
60's	22
70's	11
80's	3
>=90	2
Unknown age	17

Substance Category	
Analgesics	70
Sedative/Hypnotics/Antipsychotics	39
Antidepressants	42
Cold and Cough Preparations	13
Foreign Bodies/Toys/Miscellaneous	19
Antihistamines	34
Topical Preparations	12
Cardiovascular Drugs	32
Antimicrobials	12
Alcohols	17
Hormones and Hormone Antagonists	20
Anticonvulsants	27
Vitamins	17
Gastrointestinal Preparations	22
Stimulants and Street Drugs	13
Dietary Supplements/Herbals/Homeopathic	17
Asthma Therapies	6
Muscle Relaxants	10



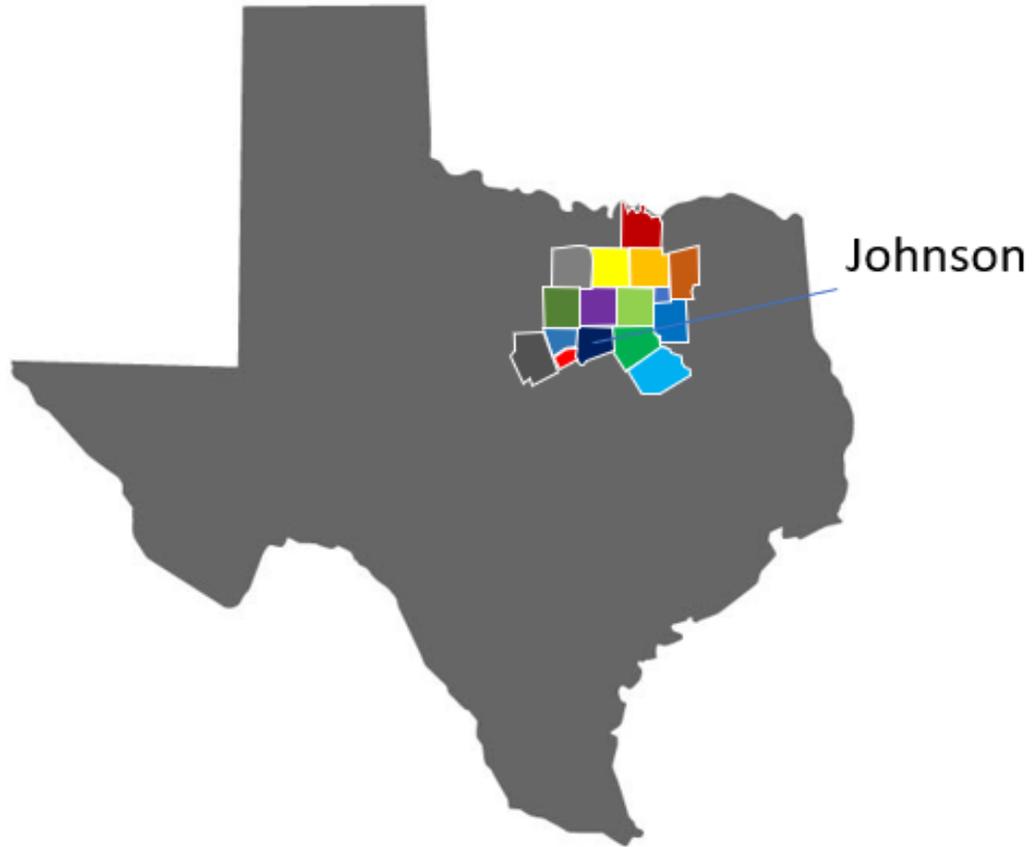
Key findings from Hunt County

- Total cases (patient visits with substance misuse) reported in 2017: 11,727
- 82% were Outpatient visits
- 88% discharged to home and 9% transferred to another facility/provider
- 26% were insured patients and 35% were uninsured
- 99% Non Hispanic/Latino; 78% Whites, 15% Blacks and 6% Others
- 67% visits were from the age group 26-60 years
- After Nicotine, the most abused substances were alcohol, cannabis, psychoactive substances, cocaine and opioids
- OSAR data suggests the top abused substances in adults were marijuana, alcohol, methamphetamine, cocaine, amphetamine, heroin and opiates



Substance Misuse Community Needs Assessment

Johnson County



Total Population: 167,167

Area: 724.7 Sq. Mile

Patients with the Highest Number of Visits

Patient	Number of Emergency Department Visits	Total Charges Filed /Patient
1	41	\$70,310
2	41	\$376,279
3	36	\$831,664
4	34	\$355,791
5	31	\$172,207
6	30	\$453,577
7	27	\$490,996
8	26	\$144,139
9	26	\$134,299
10	25	\$192,073
Total	317	\$3,221,335

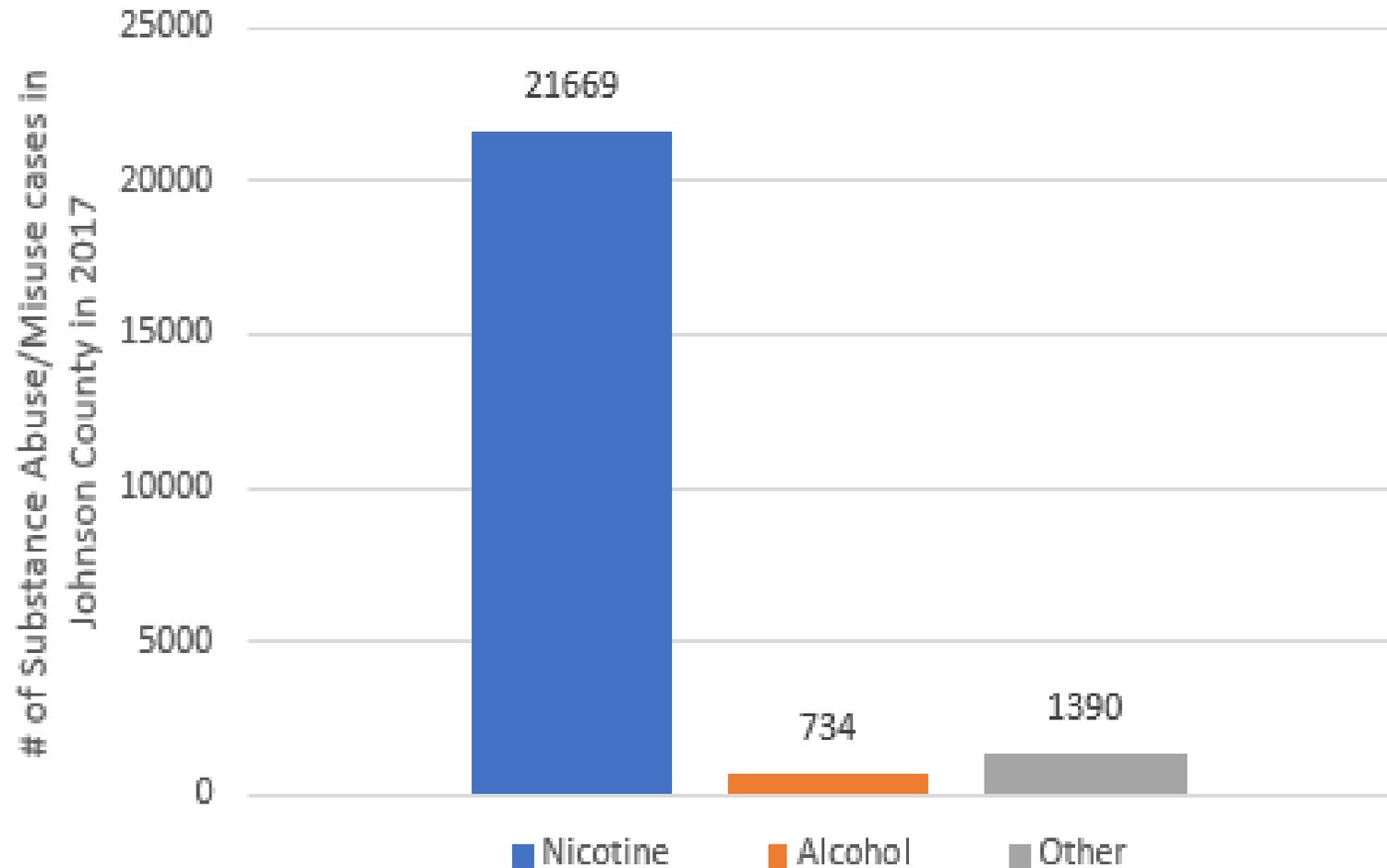
Characteristics of Patients with Substance Misuse issues in Johnson County 2017

Total cases (N)				25,984	
Charges (Dollars; Average charges filed per visit)				\$13,509	
Admission Type (N,%)					
	Outpatients			19,290	83.06%
	Inpatients			3,936	16.95%
Discharge Status (N,%)					
	Discharged to Home			21,070	90.73%
	Transferred			1,435	6.18%
	Left Against Medical Advice			527	2.27%
	Still Patient or Expected to Return			25	0.11%
	Unknown			0	0.00%
	Expired			72	0.31%
	Hospice - home			29	0.12%
	Hospice – medical facility			32	0.14%
	Admitted as an Inpatient			12	0.05%
Medical Insurance (N, %)					
	Insured			8,938	38.49%
	Medicare			2,351	10.12%
	Medicaid			3,237	13.94%
	Uninsured			8,702	37.47%

Characteristics of Patients with Substance Misuse issues in Johnson County 2017

Gender (N, %)			
Females		11,098	47.79%
Males		8,675	37.35%
X		3,454	14.87%
Race (N, %)			
White		21,114	90.91%
Black		721	3.10%
Other		1,241	5.34%
Ethnicity (N,%)			
Hispanic or Latino		720	3.10%
Not Hispanic or Latino		22,494	96.86%
Age Groups			
</=12		6	0.03%
13-18		463	1.99%
19-25		2896	12.47%
26-40		8085	34.81%
41-60		8183	35.24%
>60		3591	15.46%

Substance Misuse in Johnson County 2017

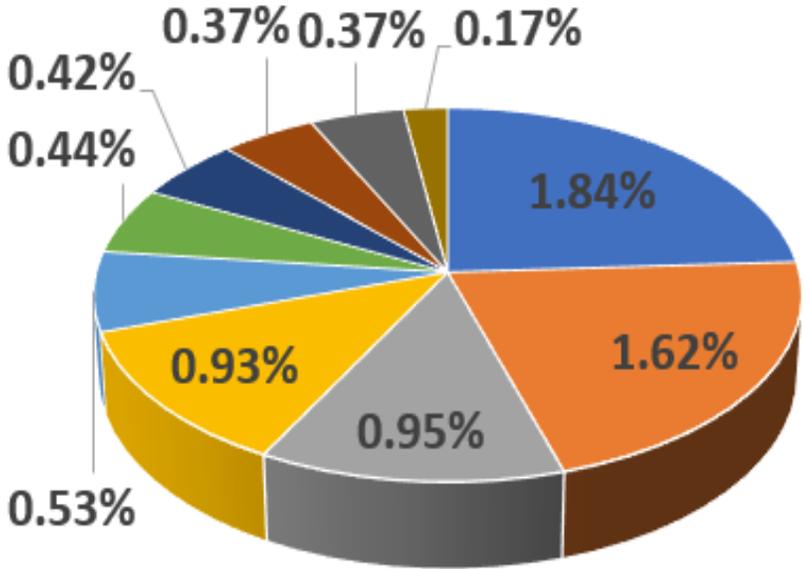


Top-10 Substance Misuses in Johnson County 2017

Substance Per ICD-10 Code Description	Cost	%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	16501	63.51%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	3937	15.15%
NICOTINE DEPENDENCE CHEWING TOBACCO UNCOMP	762	2.93%
ALCOHOL ABUSE, UNCOMPLICATED	491	1.89%
CANNABIS ABUSE, UNCOMPLICATED	479	1.84%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	469	1.81%
OTHER STIMULANT ABUSE, UNCOMPLICATED	421	1.62%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	248	0.95%
ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	243	0.94%
OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED	242	0.93%

Top-10 Non-Nicotine/Alcohol Substance Misuses in Johnson County 2017

% of non Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Description

- CANNABIS ABUSE, UNCOMPLICATED
- OTHER STIMULANT ABUSE, UNCOMPLICATED
- CANNABIS USE, UNSPECIFIED, UNCOMPLICATED
- OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED
- OPIOID DEPENDENCE, UNCOMPLICATED
- OPIOID ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE WITH WITHDRAWAL
- OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED
- COCAINE ABUSE, UNCOMPLICATED
- OTH PSYCHOACTIVE SUBSTANCE ABUSE W UNSP DISORDER

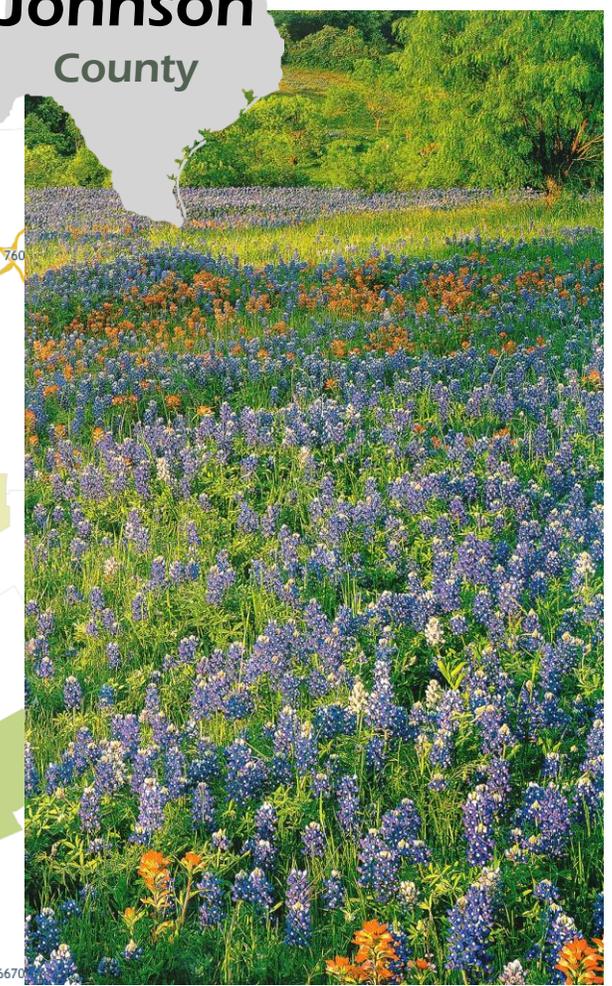
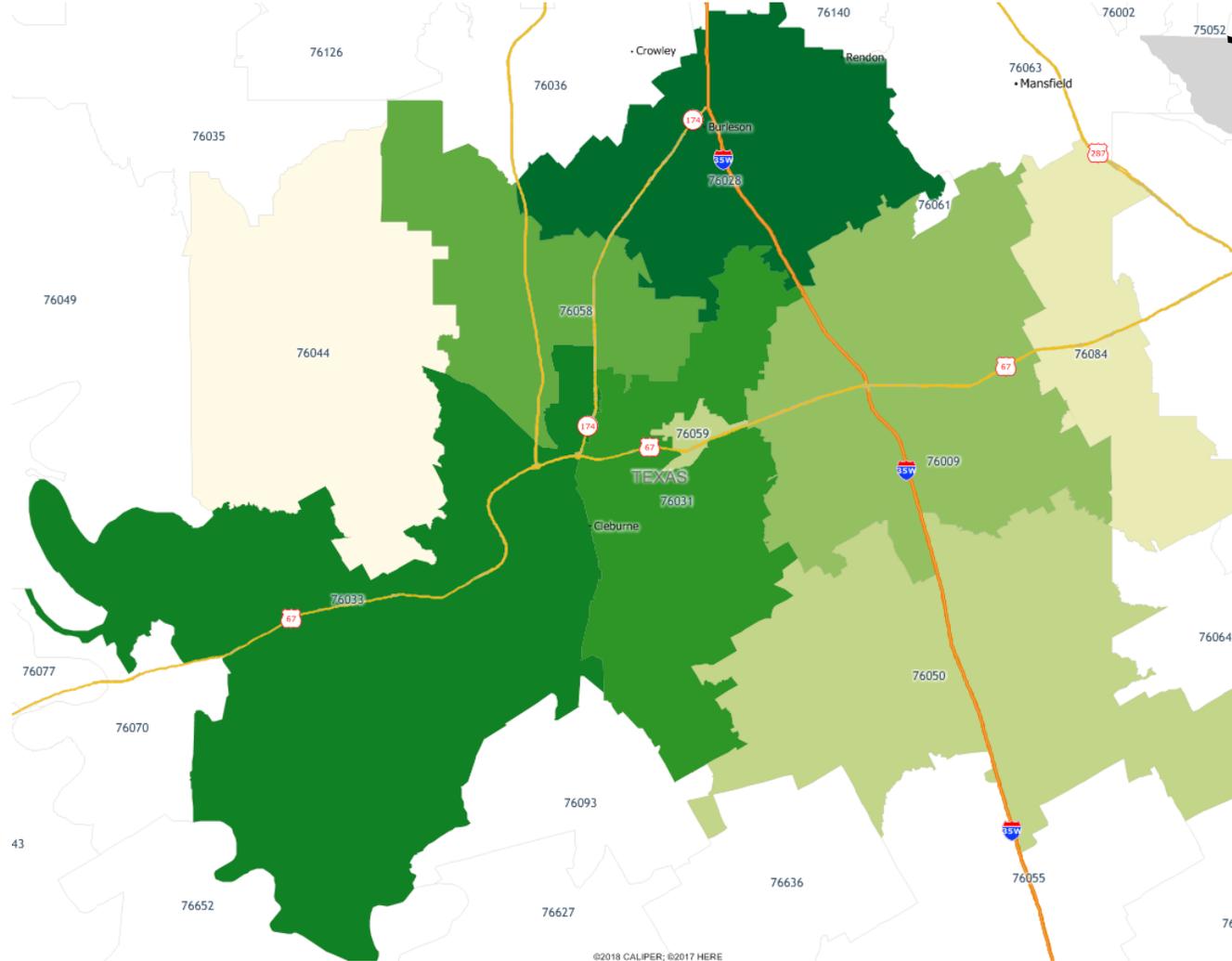
Top number of Visits/Patients per Zip Codes

Rank	Zip Code	Visits*	%	Rank	Zip Code	Patients**	%
1	76033	4248	18.29%	1	76028	2393	20.50%
2	76028	3760	16.19%	2	76033	2137	18.31%
3	XXXXX***	3454	14.87%	3	XXXXX***	1855	15.89%
4	76031	3349	14.42%	4	76031	1686	14.45%
5	76058	2949	12.70%	5	76058	1602	13.73%
6	76009	2251	9.69%	6	76009	1310	11.22%
7	76084	787	3.39%	7	76084	476	4.08%
8	76059	654	2.82%	8	76050	348	2.98%
9	76050	618	2.66%	9	76059	333	2.85%
10	76044	542	2.33%	10	76044	277	2.37%

*A patient may have many visits **All of a patient's visit in 2017 is counted as one ***XXXXX - Undisclosed

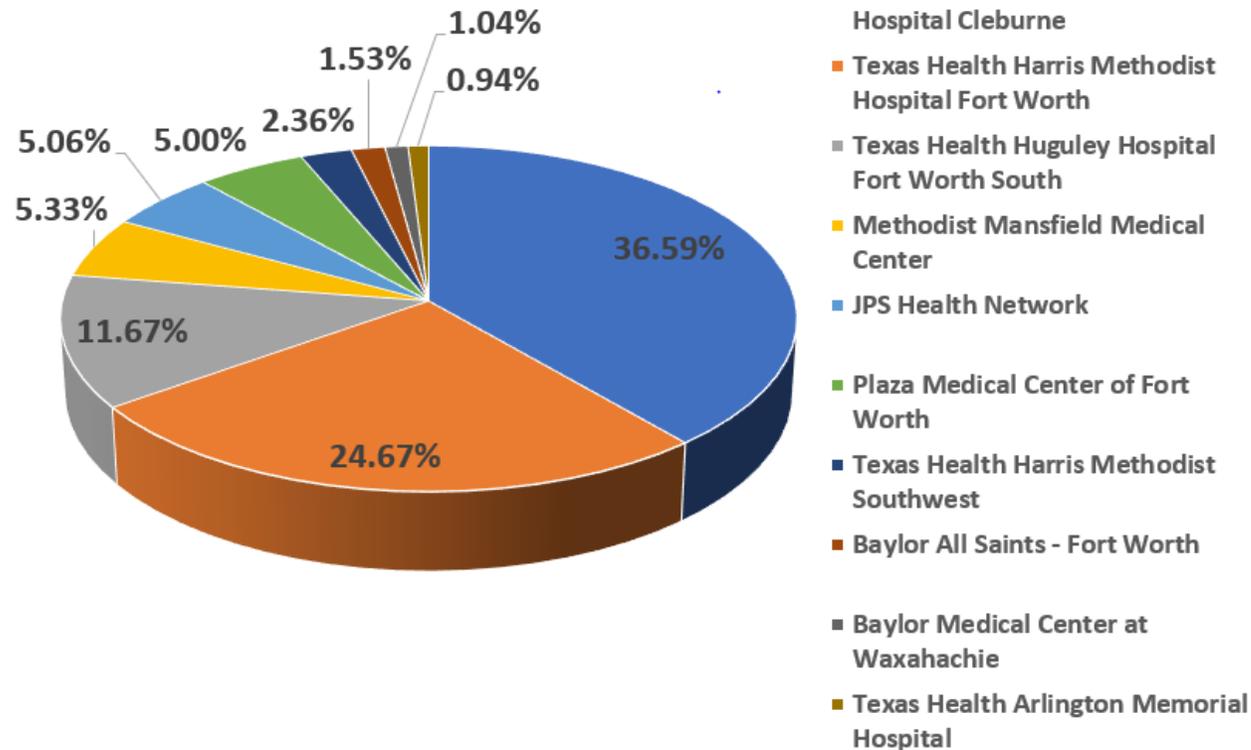
Top Zip Codes

The darker the shade of green, the higher the number of residents' hospital visits.



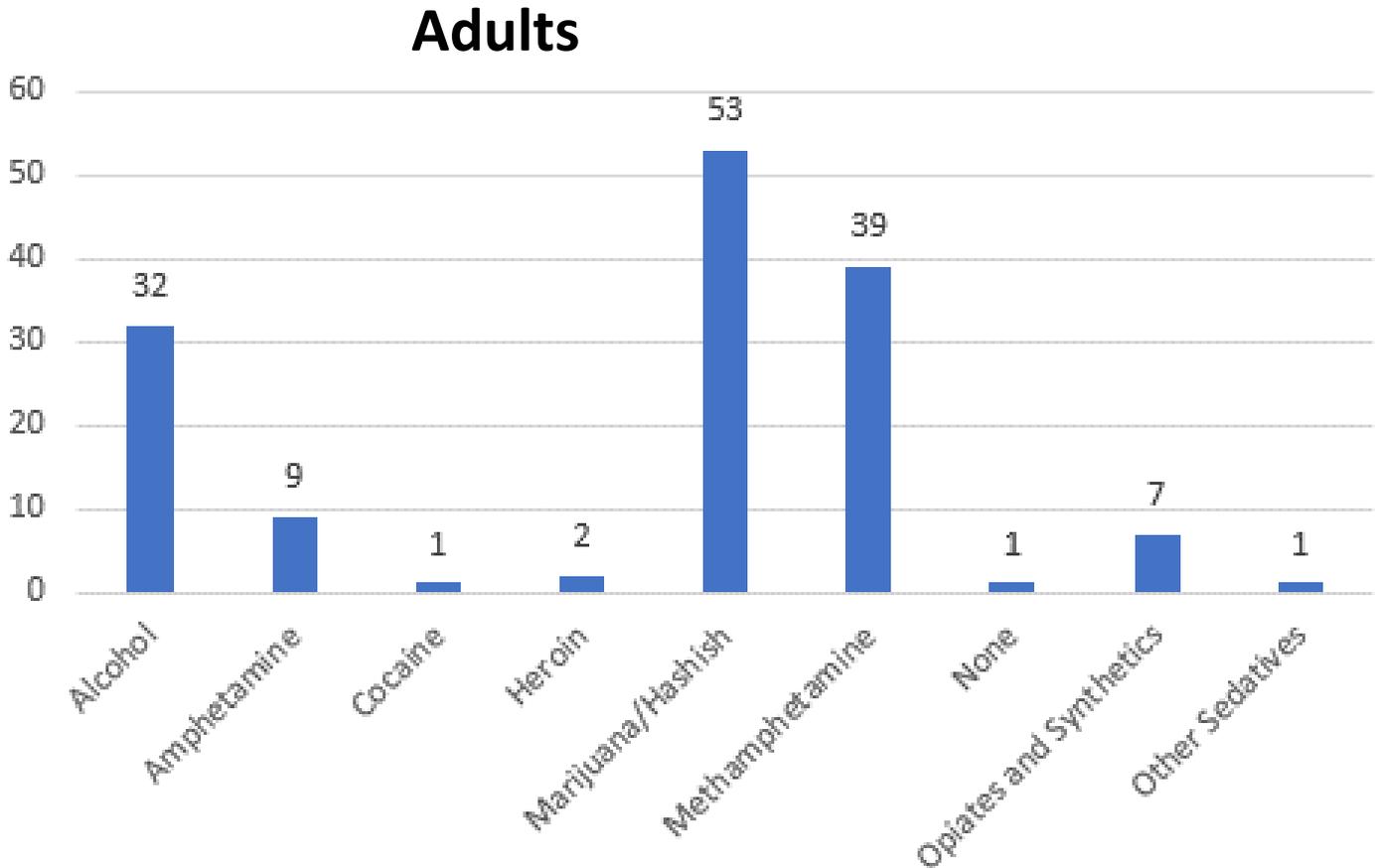
Patient Migration*

Top % of hospitals where patients seek care



*Patients seeking care outside their residential county.

Outreach, Screening, Assessment and Referral Center Data: Johnson County*



*OSAR data is for SFY 2017
No youth data available

Texas Poison Control Center Data 2017: Johnson County

Exposure Counts: 1,066

Exposure per 1,000: 6.09

Top-3 exposure sites

Own residence: 788

School: 16

Workplace: 9

Age distribution

<=5 years	626
6-12 years	93
13-19 years	64
20's	42
30's	52
40's	38
50's	48
60's	31
70's	26
80's	15
>=90	2
Unknown age	29

Substance Category	
Analgesics	126
Topical Preparations	36
Antihistamines	55
Cold and Cough Preparations	34
Sedative/Hypnotics/Antipsychotics	28
Cardiovascular Drugs	33
Antidepressants	46
Antimicrobials	27
Vitamins	27
Gastrointestinal Preparations	26
Hormones and Hormone Antagonists	32
Alcohols	9
Dietary Supplements/Herbals/Homeopathic	39
Stimulants and Street Drugs	20
Asthma Therapies	14
Electrolytes and Minerals	12
Infectious and Toxin-Mediated Diseases	8
Anticonvulsants	14
Essential Oils	19
Muscle Relaxants	8
Eye/Ear/Nose/Throat Preparations	7



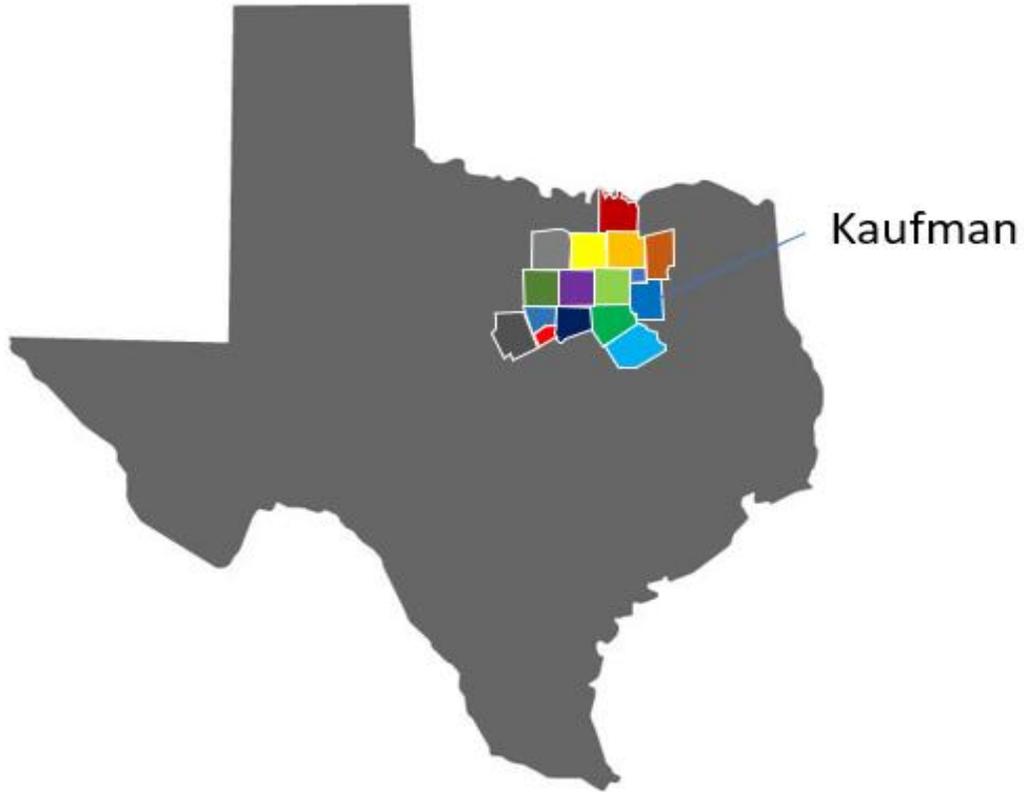
Key findings from Johnson County

- Total cases (patient visits with substance misuse) reported in 2017: 25,984
- 83% were outpatient visits
- 91% were discharged to home and 6% transferred to another facility/provider
- 38% were by insured and 37% uninsured
- 97% Non Hispanic/Latino; 91% Whites, 3% Blacks and 5% Others
- 85% visits from the age group 26-60 years
- After nicotine, the top abused substances were alcohol, cannabis, and opiates
- OSAR data suggests the top-5 abused substances by adults were marijuana, methamphetamine, opiates and alcohol



Substance Misuse Community Needs Assessment

Kaufman County



Total Population: 121,494
Area: 780.7 Sq. Mile

Patients with the highest number of visits		
Rank	Number of Emergency Department Visits	Total Charge Filed/Patient
1	34	\$108,469
2	30	\$116,170
3	17	\$192,467
4	15	\$34,674
5	15	\$149,439
6	14	\$168,361
7	14	\$15,746
8	14	\$58,801
9	14	\$139,938
10	13	\$62,940
Total	180	\$1,047,005

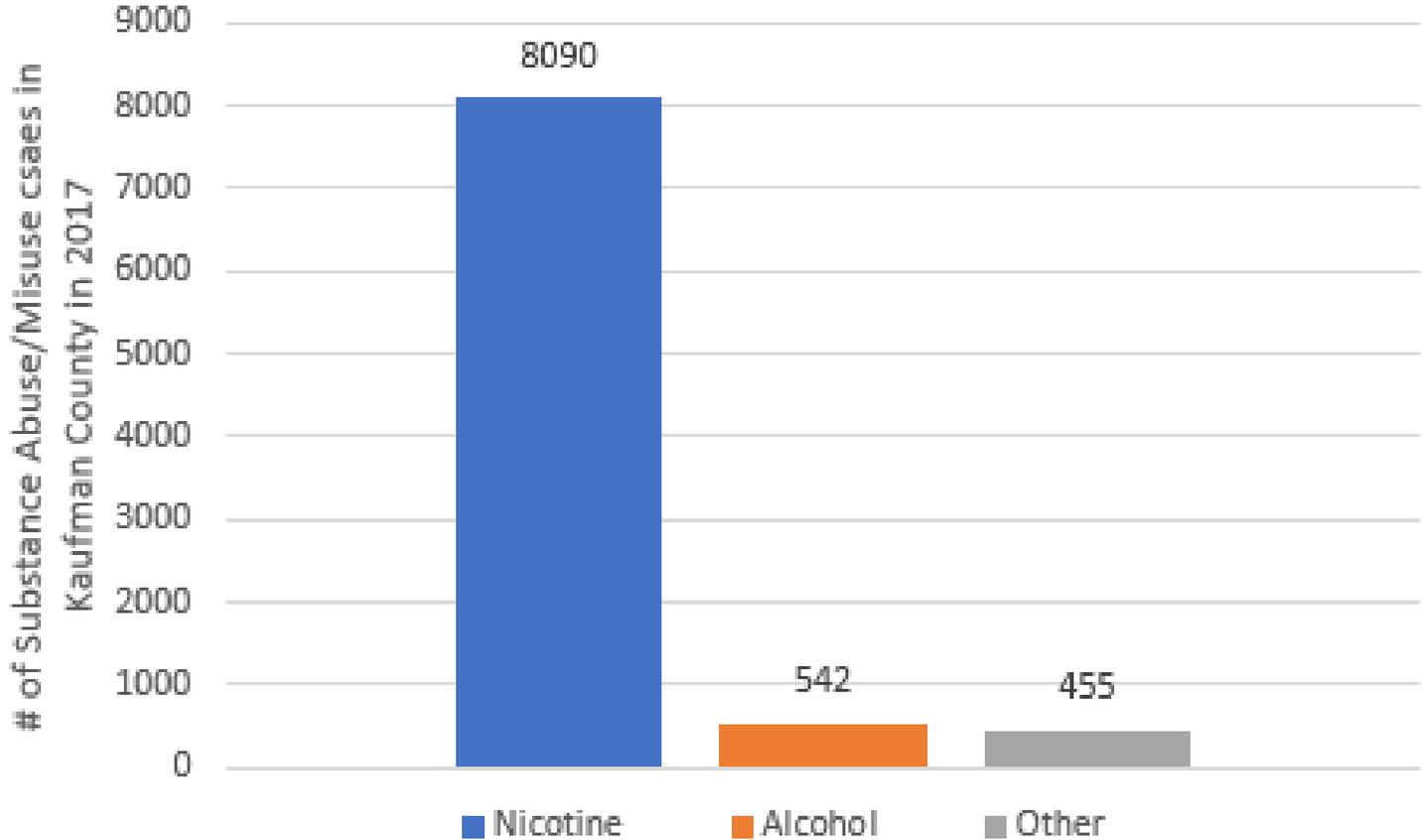
Characteristics of Patients with Substance Misuse issues in Kaufman County 2017

Total cases (N)					9,019	
Charges (Dollars; Average charges filed per visit)					\$16,786	
Admission Type (N,%)						
	Outpatients				7,218	80.03%
	Inpatients				1,803	19.99%
Discharge Status (N,%)						
	Discharged to Home				7,941	88.05%
	Transferred				774	8.58%
	Left Against Medical Advice				181	2.01%
	Still Patient or Expected to Return				29	0.32%
	Unknown				7	0.08%
	Expired				46	0.51%
	Hospice - home				27	0.30%
	Hospice – medical facility				9	0.10%
	Admitted as an Inpatient				5	0.06%
Medical Insurance (N, %)						
	Insured				3,702	41.05%
	Medicare				1,430	15.86%
	Medicaid				1,182	13.11%
	Uninsured				2,705	29.99%

Characteristics of Patients with Substance Misuse issues in Kaufman County 2017

Gender (N, %)				
	Females		3,919	43.45%
	Males		3,465	38.42%
	x		1,635	18.13%
Race (N, %)				
	White		6,786	75.24%
	Black		1,145	12.70%
	Other		1,025	11.36%
Ethnicity (N,%)				
	Hispanic or Latino		284	3.15%
	Not Hispanic or Latino		8,730	96.80%
Age Groups				
	< =12		6	0.07%
	13-18		178	1.97%
	19-25		791	8.77%
	26-40		2622	29.07%
	41-60		3516	38.98%
	>60		1906	21.13%

Substance Misuse in Kaufman County 2017

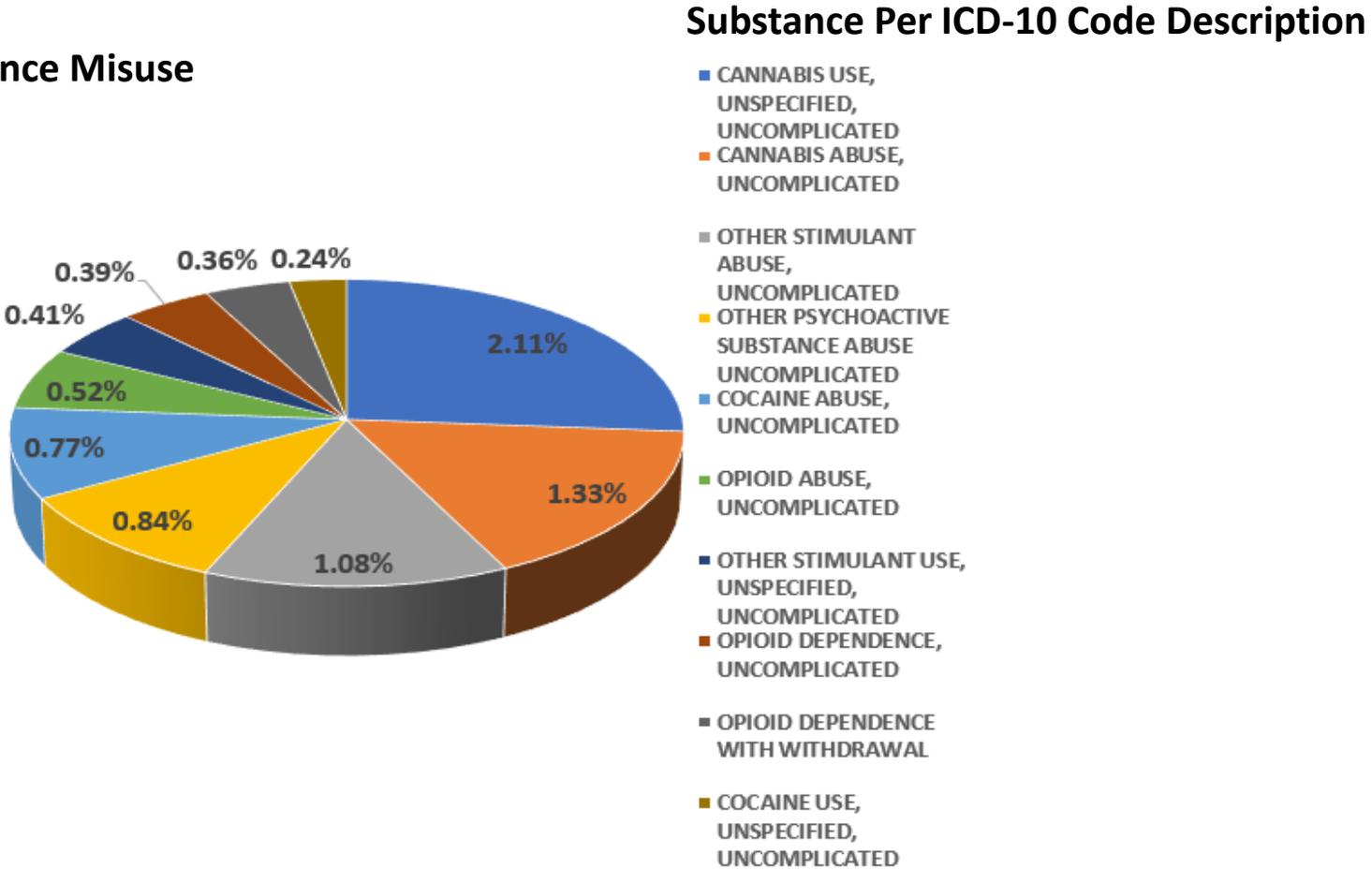


Top-10 Substance Misuses in Kaufman County 2017

Substance Per ICD-10 Code Description	Count	%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	5632	56.00%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	2067	20.55%
ALCOHOL ABUSE, UNCOMPLICATED	222	2.21%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	212	2.11%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	207	2.06%
NICOTINE DEPENDENCE CHEWING TOBACCO UNCOMP	184	1.83%
ALCOHOL DEPENDENCE, UNCOMPLICATED	161	1.60%
ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	159	1.58%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	134	1.33%
OTHER STIMULANT ABUSE, UNCOMPLICATED	109	1.08%

Top-10 Non-Nicotine/Alcohol Substance Misuses in Kaufman County 2017

% of non Nicotine/Alcohol Substance Misuse



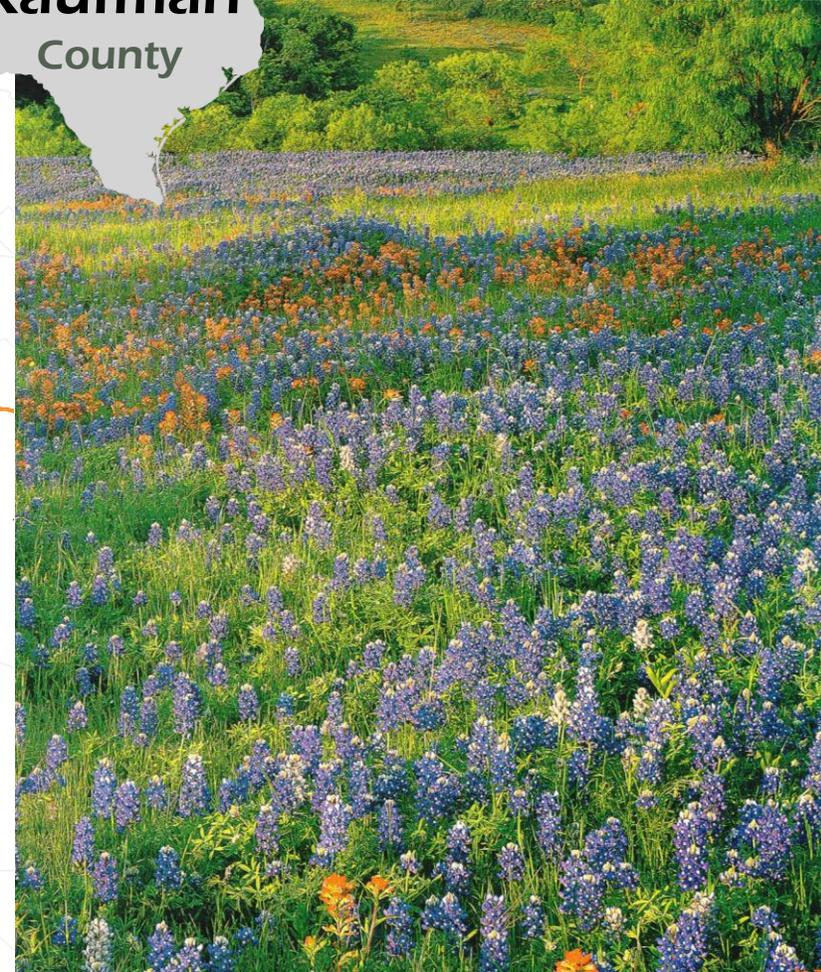
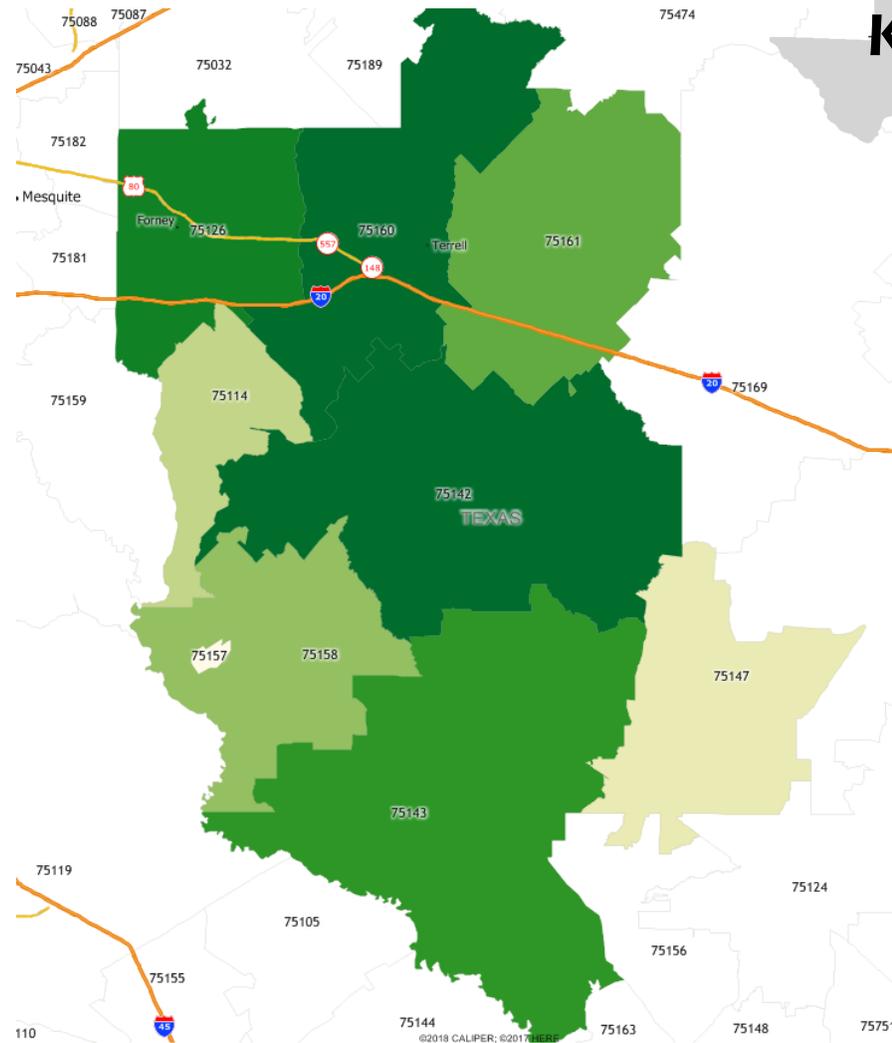
Top number of Visits/Patients per Zip Codes

Rank	Zip Code	Visits*	%	Rank	Zip Code	Patients**	%
1	75142	1881	20.86%	1	75160	1210	0.209379
2	75160	1868	20.71%	2	75142	1205	0.208514
3	XXXXX***	1635	18.13%	3	XXXXX***	1204	0.208341
4	75143	1043	11.56%	4	75126	749	0.129607
5	75126	1012	11.22%	5	75143	671	0.11611
6	75161	476	5.28%	6	75161	323	0.055892
7	75158	408	4.52%	7	75158	272	0.047067
8	75114	319	3.54%	8	75114	231	0.039972
9	75147	316	3.50%	9	75147	214	0.037031
10	75157	41	0.45%	10	75157	27	0.004672

*A patient may have many visits **All of a patient's visit in 2017 is counted as one ***XXXXX - Undisclosed

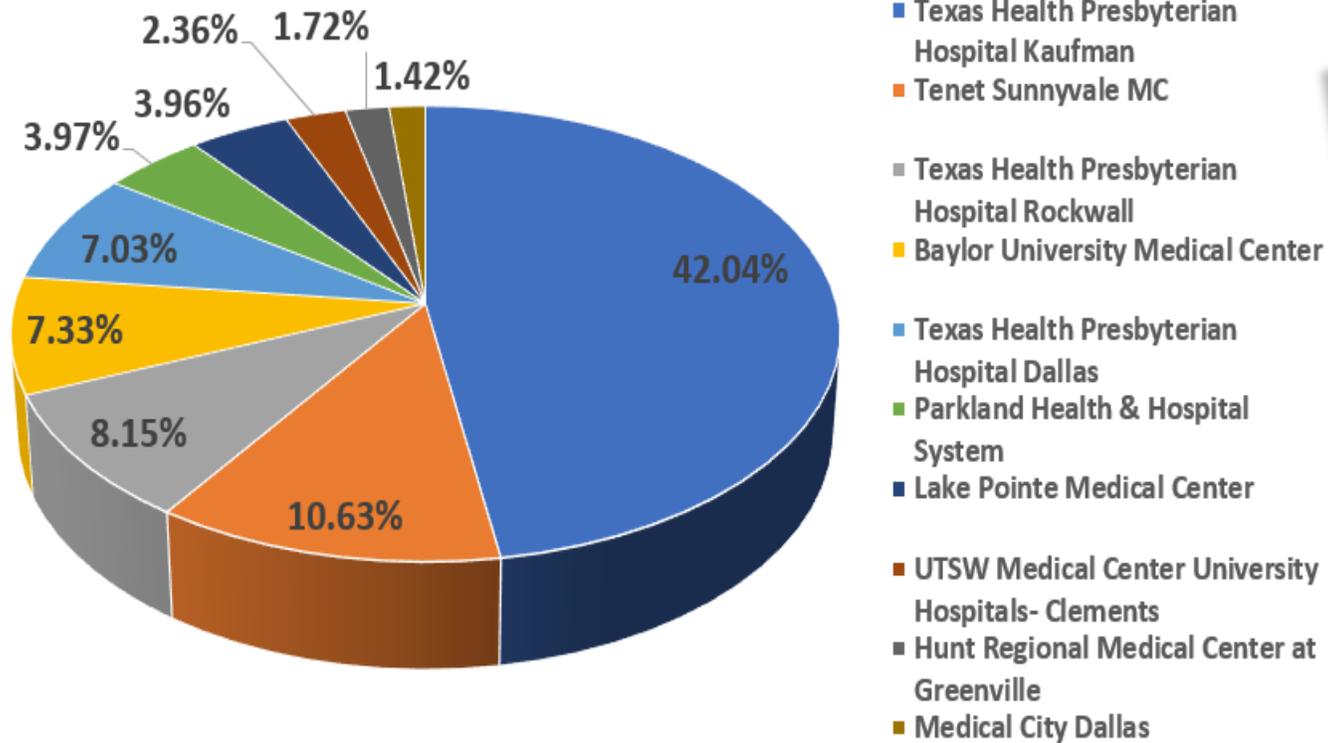
Top Zip Codes

The darker the shade of green, the higher the number of residents' hospital visits.



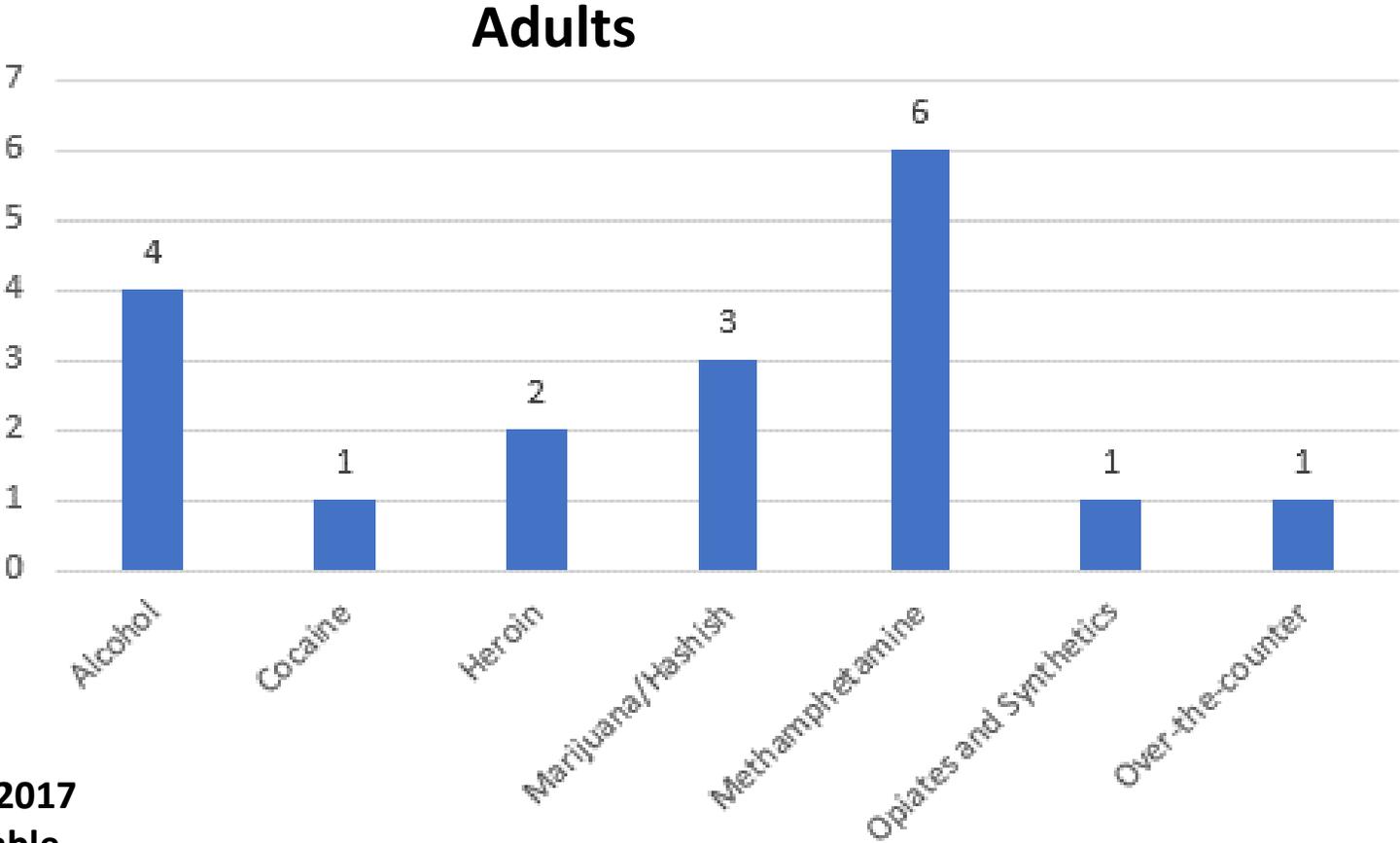
Patient Migration*

Top % of hospitals where patients seek care



*Patients seeking care outside their residential county.

Outreach, Screening, Assessment and Referral Center Data: Kaufman County*



*OSAR data is for SFY 2017
No youth data available

Texas Poison Control Center Data 2017: Kaufman County

Exposure Counts: 657
Exposure per 1,000: 4.92

Top-3 exposure sites

Own residence: 432
 Schools: 6
 Workplace: 5

Age distribution

<=5 years	354
6-12 years	38
13-19 years	69
20's	40
30's	42
40's	28
50's	28
60's	20
70's	15
80's	3
>=90	1
Unknown age	19

Substance Category	
Analgesics	66
Sedative/Hypnotics/Antipsychotics	48
Pesticides	35
Antihistamines	58
Cold and Cough Preparations	14
Antidepressants	39
Topical Preparations	18
Cardiovascular Drugs	28
Antimicrobials	11
Vitamins	12
Alcohols	20
Gastrointestinal Preparations	20
Hormones and Hormone Antagonists	18
Stimulants and Street Drugs	26
Anticonvulsants	15
Dietary Supplements/Herbals/Homeopathic	10
Asthma Therapies	15
Electrolytes and Minerals	9
Muscle Relaxants	10



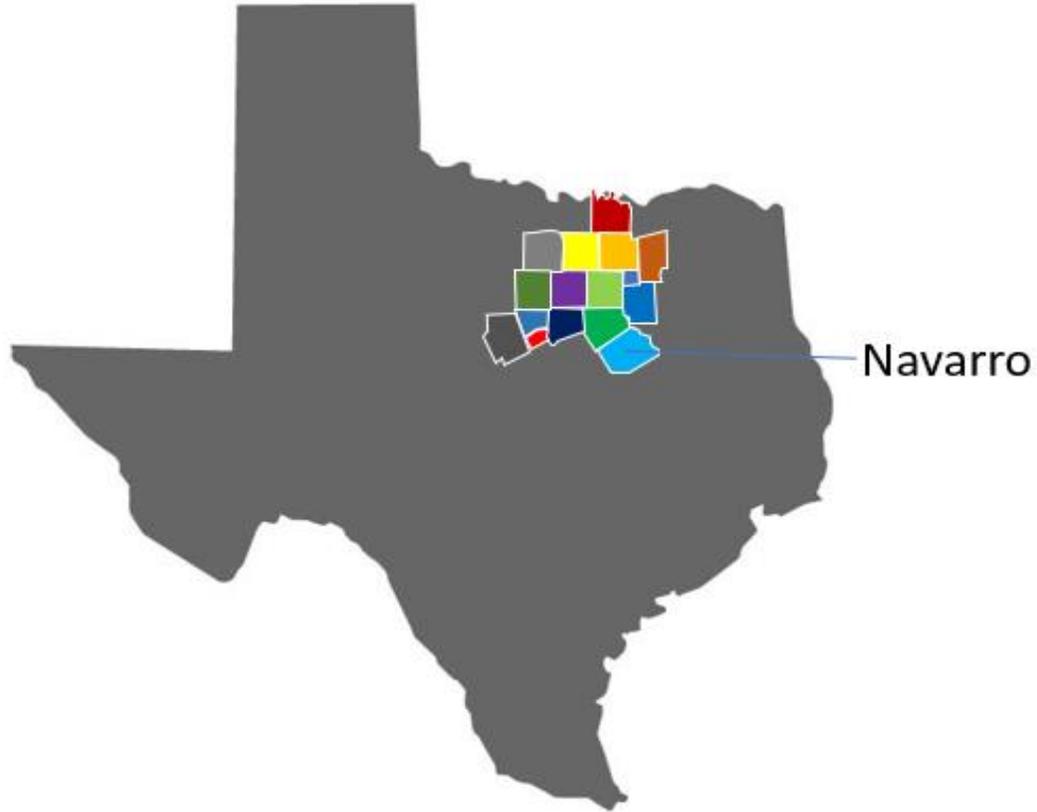
Key findings from Kaufman County

- Total cases (patient visits with substance misuse) reported in 2017: 9,019
- 80% were outpatient visits
- 88% were discharged to home and 9% transferred to another facility/provider
- 41% were insured and 30% uninsured
- 97% Non Hispanic/Latino; 75% Whites, 13% Blacks and 11% Others
- 89% were from the age group 26-60 years
- After nicotine, the top substances abused were alcohol, cannabis, and opiates
- OSAR data suggests the top substances abused by adults were marijuana, methamphetamine, opiates and alcohol.



Substance Misuse Community Needs Assessment

Navarro County



Total Population: 49,267

Area: 1009.6 Sq. Mile

Patients with the highest number of visits

Patient	Number of Emergency Department Visits	Total Charge Filed/Patient
1	54	\$75,048
2	39	\$260,790
3	17	\$184,901
4	13	\$121,190
5	9	\$54,085
6	9	\$149,169
7	8	\$272,057
8	7	\$221,285
9	7	\$101,900
10	6	\$141,816
Total	169	\$1,582,241

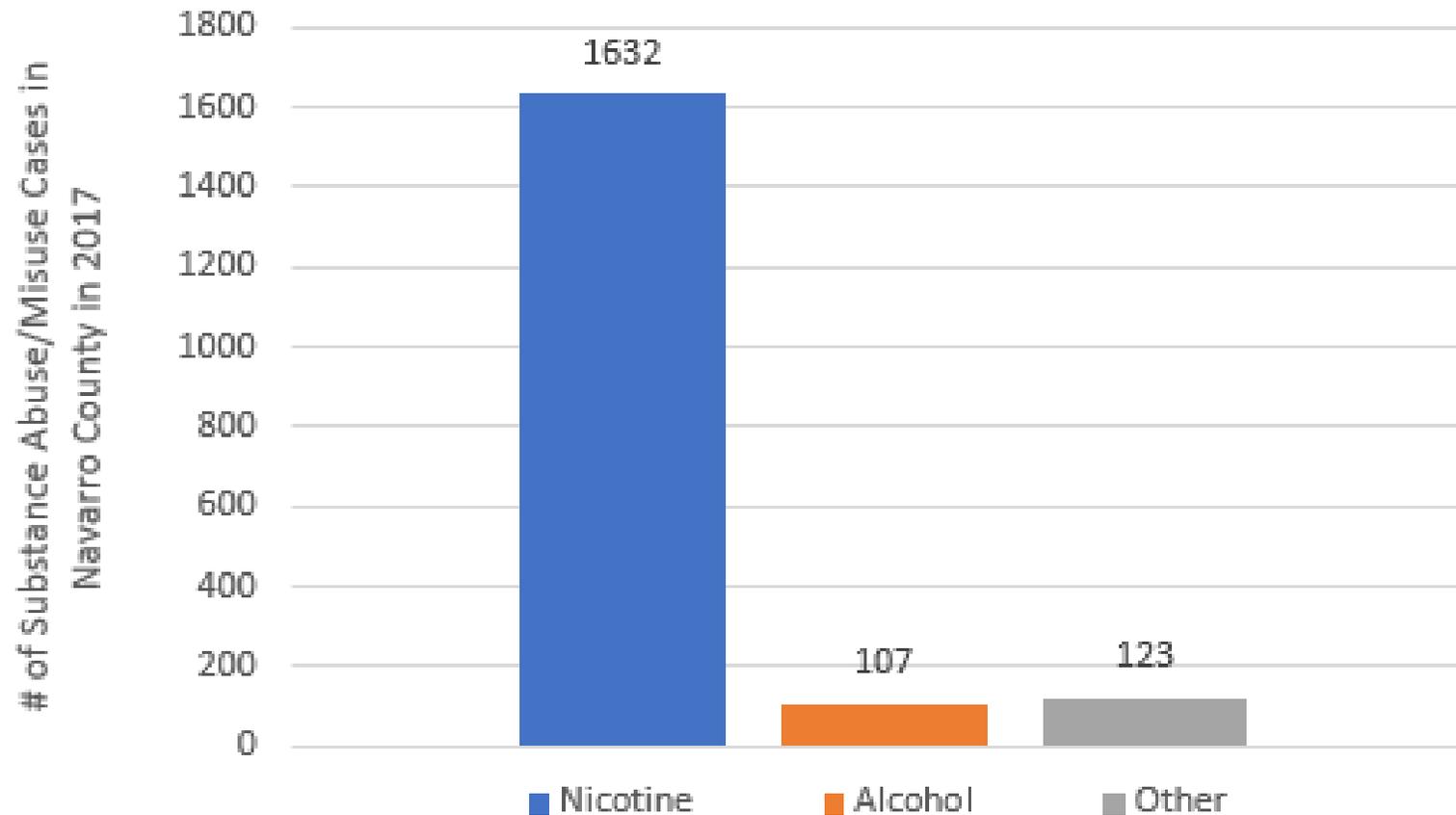
Characteristics of Patients with Substance Misuse issues in Navarro County 2017

Total cases (N)				1,846	
Charges (Dollars; Average charges filed per visit)				\$21,515	
Admission Type (N,%)					
	Outpatients			1,406	76.16%
	Inpatients			440	23.84%
Discharge Status (N,%)					
	Discharged to Home			1,575	85.32%
	Transferred			175	9.48%
	Left Against Medical Advice			37	2.00%
	Still Patient or Expected to Return			31	1.68%
	Unknown			1	0.05%
	Expired			17	0.92%
	Hospice - home			6	0.33%
	Hospice – medical facility			3	0.16%
	Admitted as an Inpatient			1	0.05%
Medical Insurance (N, %)					
	Insured			664	35.97%
	Medicare			396	21.45%
	Medicaid			162	8.78%
	Uninsured			624	33.80%

Characteristics of Patients with Substance Misuse issues in Navarro County 2017

Gender (N, %)			
	Females	745	40.36%
	Males	721	39.06%
	X	379	20.53%
Race (N, %)			
	White	1,004	54.39%
	Black	371	20.10%
	Other	461	24.97%
Ethnicity (N,%)			
	Hispanic or Latino	175	9.48%
	Not Hispanic or Latino	1,660	89.92%
Age Groups			
	</=12	1	0.05%
	13-18	32	1.73%
	19-25	131	7.10%
	26-40	504	27.30%
	41-60	766	41.50%
	>60	407	22.05%

Substance Misuse in Navarro County 2017

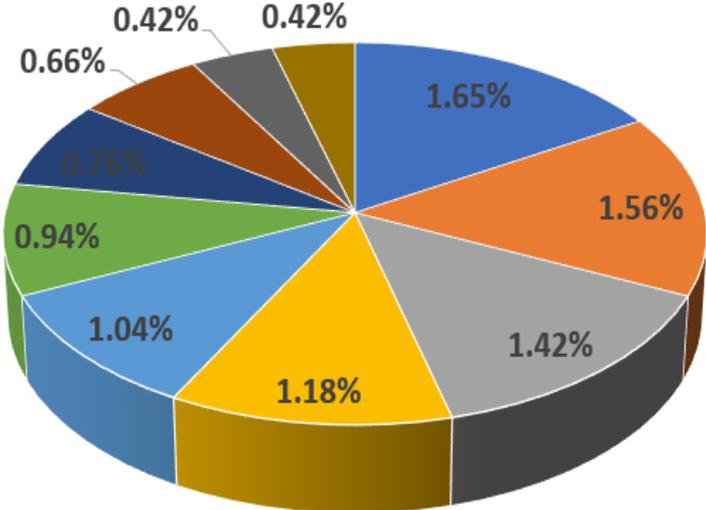


Top-10 Substance Misuses in Navarro County 2017

Substance Per ICD-10 Code Description	Count	%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	938	44.27%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	618	29.16%
ALCOHOL ABUSE, UNCOMPLICATED	70	3.30%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	45	2.12%
ALCOHOL DEPENDENCE, UNCOMPLICATED	37	1.75%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	35	1.65%
CANNABIS ABUSE, UNCOMPLICATED	33	1.56%
NICOTINE DEPENDENCE CHEWING TOBACCO UNCOMP	31	1.46%
COCAINE ABUSE, UNCOMPLICATED	30	1.42%
OTHER STIMULANT ABUSE, UNCOMPLICATED	25	1.18%

Top-10 Non-Nicotine/Alcohol Substance Misuses in Navarro County 2017

% of non Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Description

- CANNABIS USE, UNSPECIFIED, UNCOMPLICATED
- CANNABIS ABUSE, UNCOMPLICATED
- COCAINE ABUSE, UNCOMPLICATED
- OTHER STIMULANT ABUSE, UNCOMPLICATED
- OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED
- OPIOID DEPENDENCE WITH WITHDRAWAL
- OPIOID DEPENDENCE, UNCOMPLICATED
- OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED
- OPIOID USE, UNSPECIFIED, UNCOMPLICATED
- CANNABIS DEPENDENCE, UNCOMPLICATED

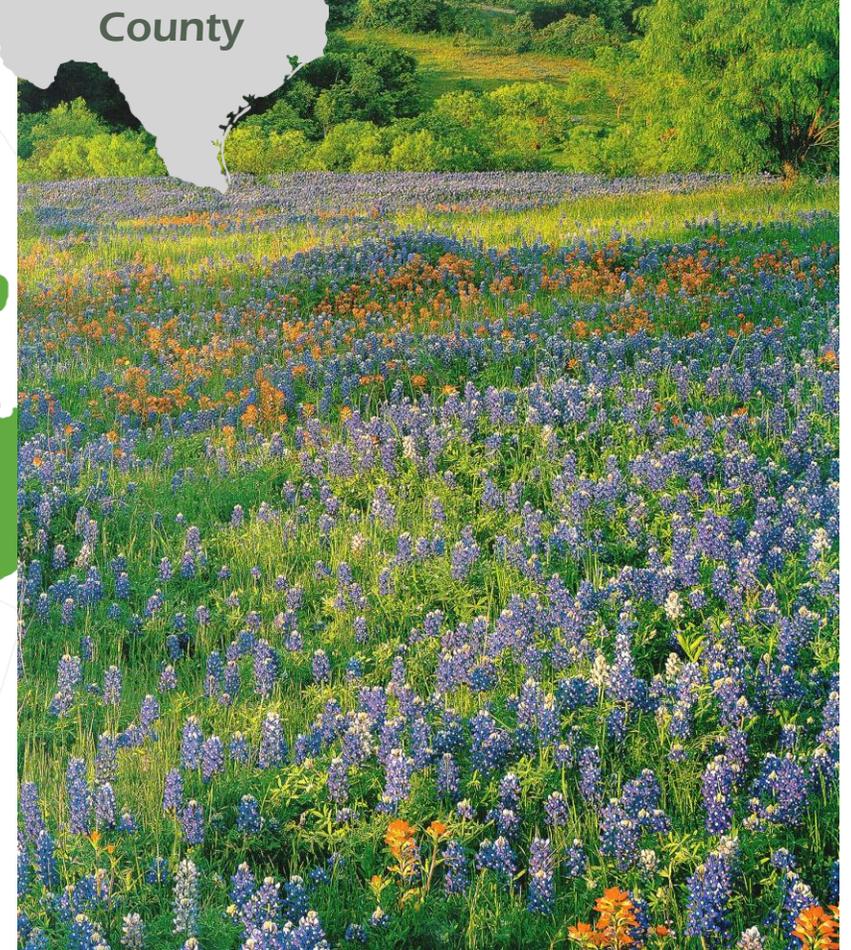
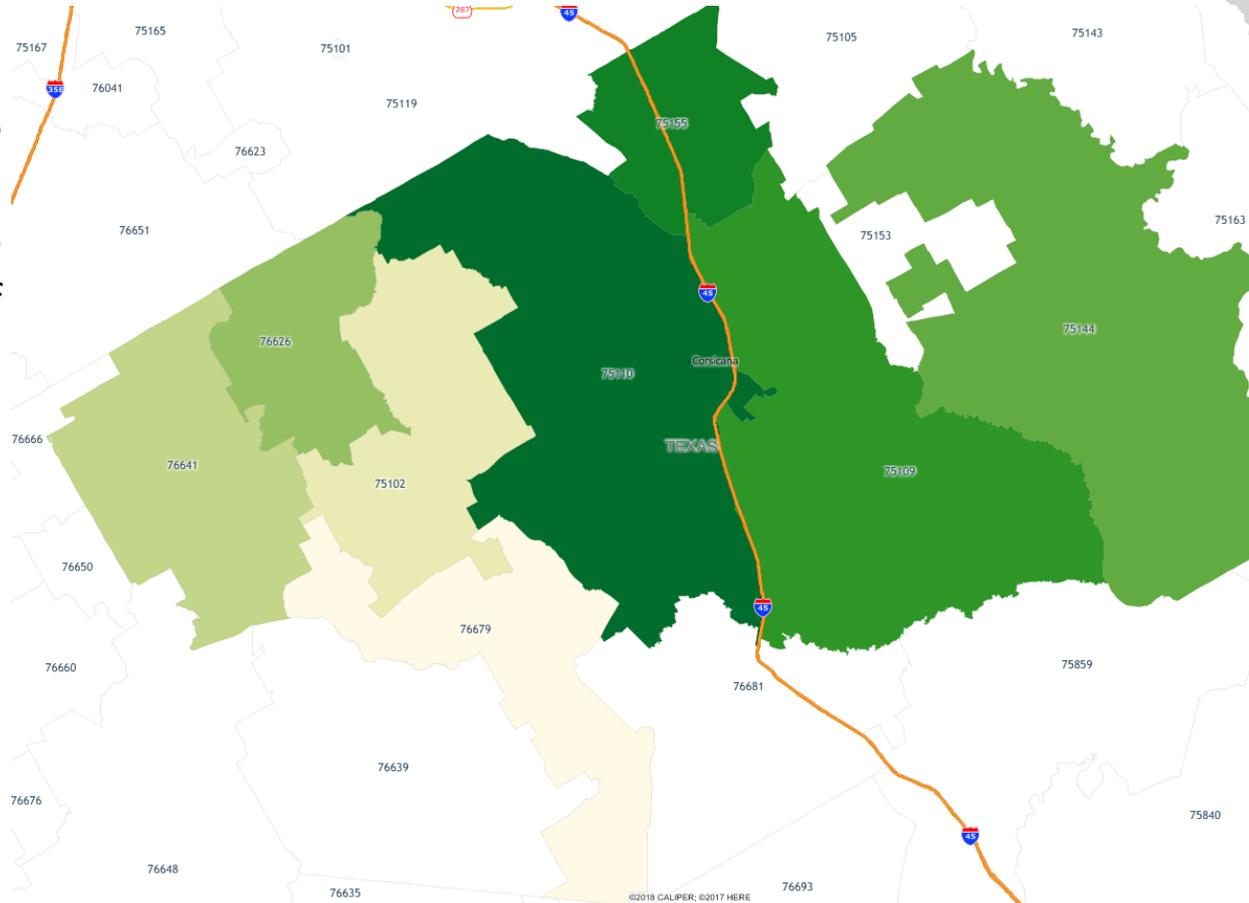
Top number of Visits/Patients per Zip Codes

Rank	Zip Codes	Visits*	%	Rank	Zip codes	Patients**	%
1	75110	730	39.54%	1	75110	521	40.99%
2	XXXXX***	379	20.53%	2	XXXXX***	287	22.58%
3	75155	219	11.86%	3	75155	144	11.33%
4	75109	111	6.01%	4	75109	85	6.69%
5	76626	95	5.15%	5	76626	66	5.19%
6	75144	68	3.68%	6	75144	54	4.25%
7	76641	64	3.47%	7	76641	42	3.30%
8	766XX	38	2.06%	8	766XX	35	2.75%
9	76639	27	1.46%	9	76639	20	1.57%
10	75153	22	1.19%	10	75102	18	1.42%

*A patient may have many visits **All of a patient's visit in 2017 is counted as one ***XXXXX - Undisclosed

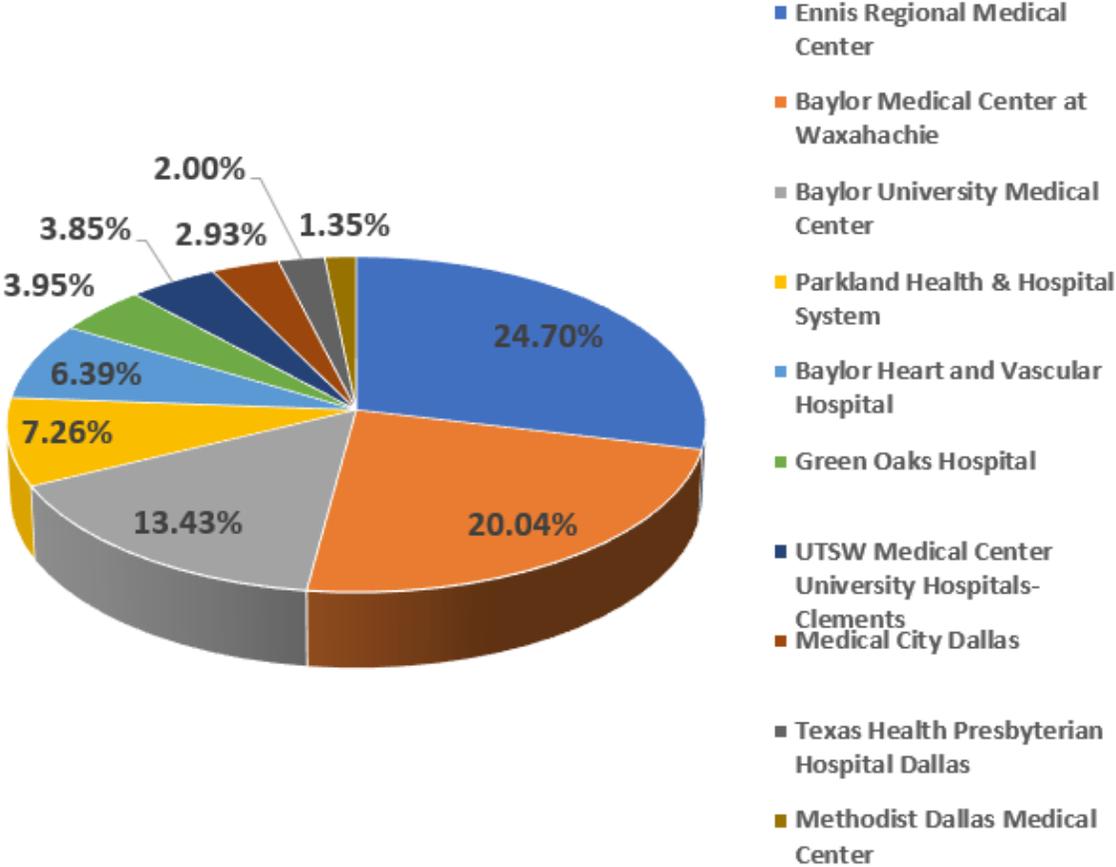
Top Zip Codes

The darker the shade of green, the higher the number of residents' hospital visits.



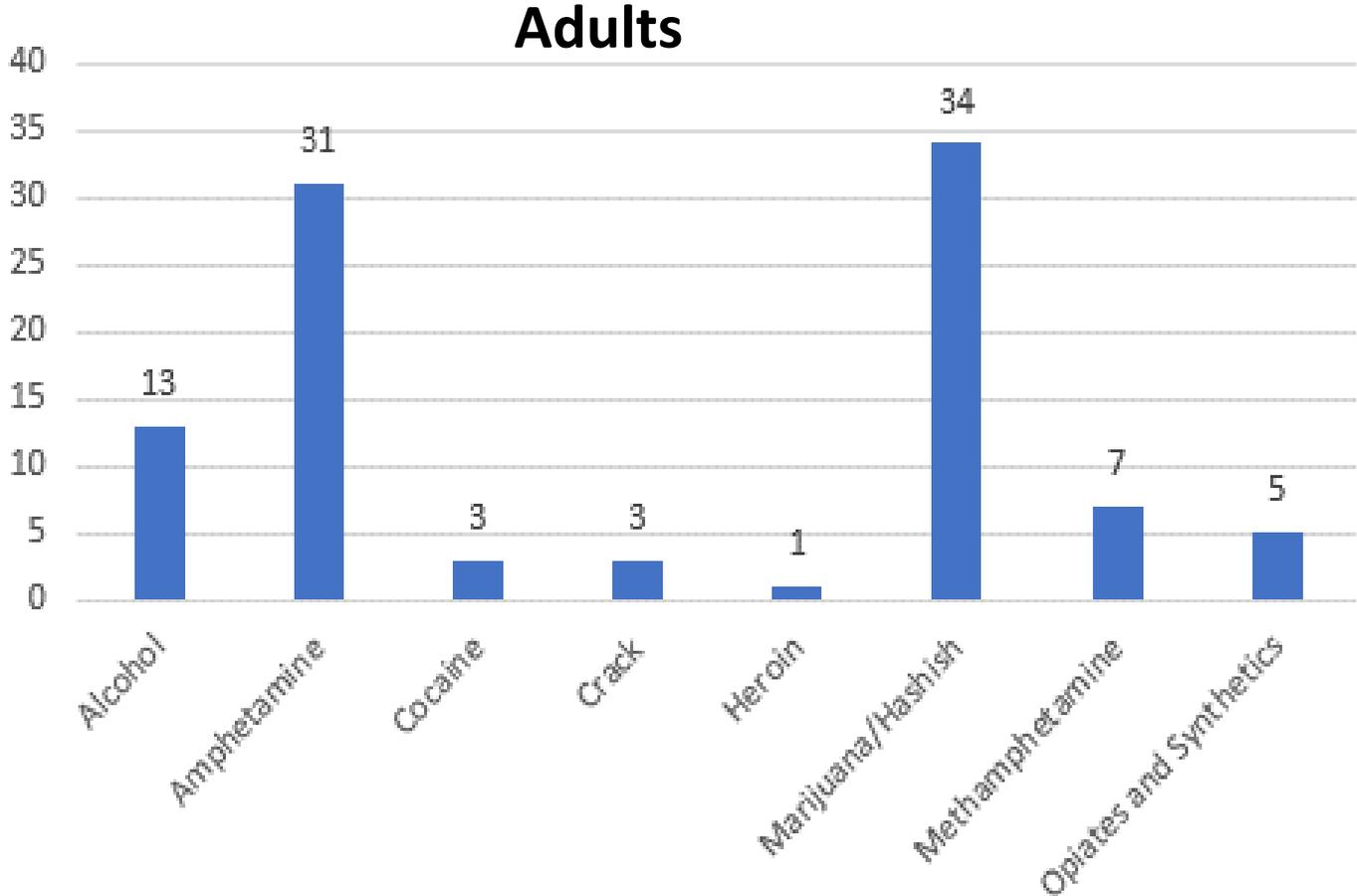
Patient Migration*

Top % of hospitals where patients seek care



*Patients seeking care outside their residential county

Outreach, Screening, Assessment and Referral Center Data: Navarro County*



*OSAR data is for SFY 2017
No youth data available

Texas Poison Control Center Data 2017: Navarro County

Exposure Counts: 304

Exposure per 1,000: 5.73

Top-3 exposure sites

Own residence: 195

Schools: 2

Workplace: 1

Age distribution

<=5 years	157
6-12 years	21
13-19 years	31
20's	19
30's	13
40's	14
50's	24
60's	12
70's	7
80's	2
Unknown age	4

Substance Category	
Analgesics	39
Sedative/Hypnotics/Antipsychotics	22
Pesticides	17
Antidepressants	14
Antihistamines	12
Cardiovascular Drugs	19
Cold and Cough Preparations	9
Alcohols	3
Antimicrobials	8
Topical Preparations	7
Vitamins	8
Anticonvulsants	4
Gastrointestinal Preparations	8
Hormones and Hormone Antagonists	11
Stimulants and Street Drugs	9
Dietary Supplements/Herbals/Homeopathic	13



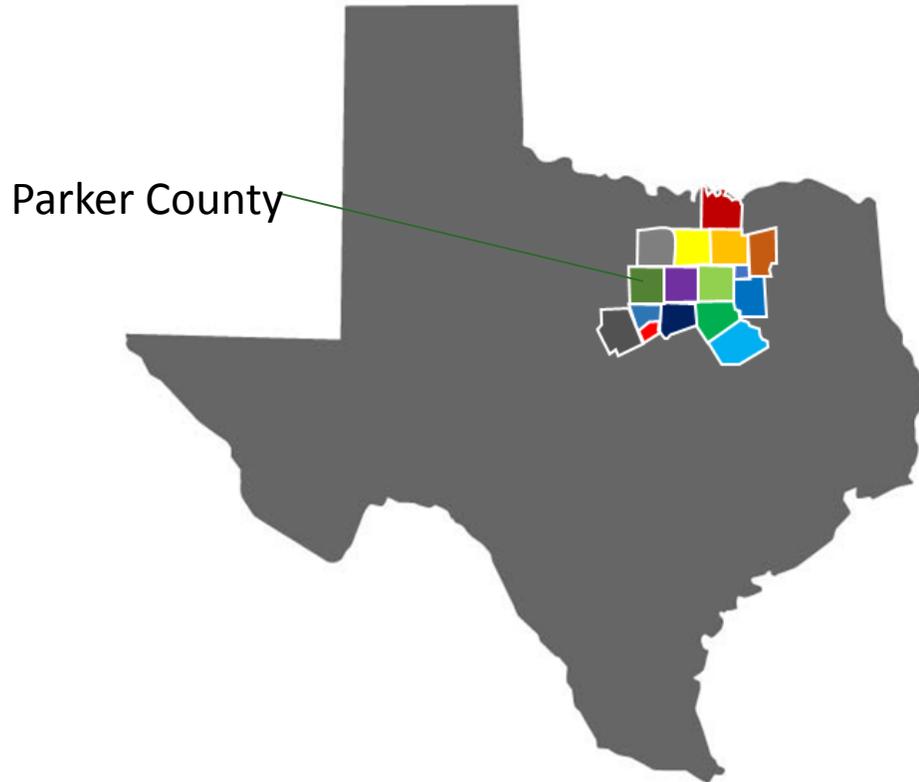
Key findings from Navarro County

- Total cases (patient visits with substance misuse) reported in 2017: 1,846
- 76% were outpatient visits
- 85% discharged to home and 9% transferred to another facility/provider
- 36% were insured patients and 34% were uninsured
- 90% Non Hispanic/Latino; 54% Whites, 20% Blacks and 25% Others
- 90% visits from the age group 26-60 years
- After nicotine, other top abused substances were alcohol, cannabis, cocaine, and opiates
- OSAR data suggests the top-5 abused substances in adults were marijuana, methamphetamine, amphetamine, opiates and alcohol



Substance Misuse Community Needs Assessment

Parker County



Total Population: 134,352
Area: 903.5 Sq. Mile

Patients with the Highest Number of Visits

Patient	Number of Emergency Department Visits	Total Charges Filed/Patient
1	34	\$1,644,496
2	32	\$272,905
3	32	\$339,909
4	24	\$44,414
5	21	\$39,834
6	17	\$74,493
7	17	\$121,343
8	16	\$98,186
9	15	\$50,344
10	15	\$48,800
Total	223	\$2,734,724

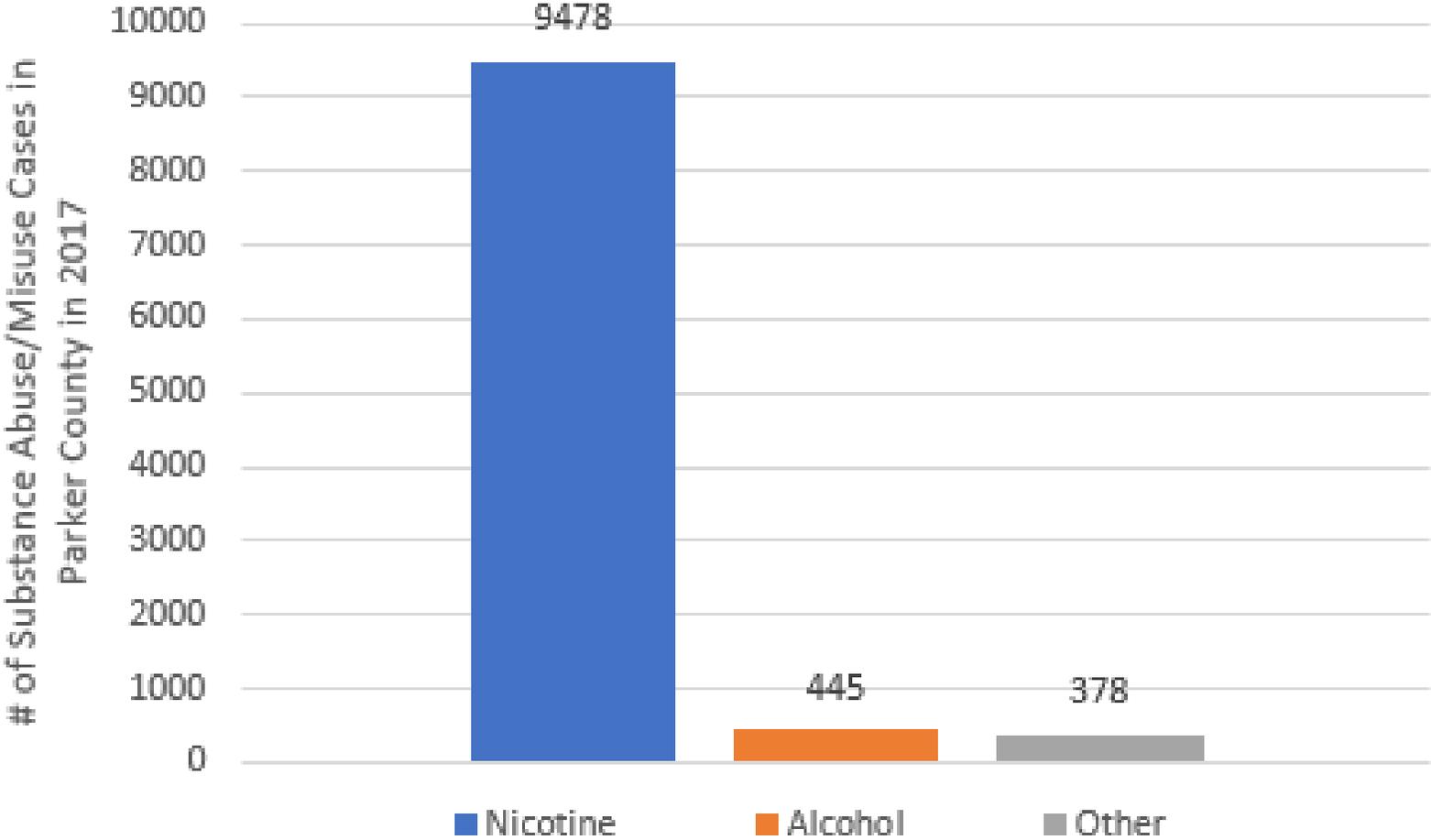
Characteristics of Patients with Substance Misuse issues in Parker County 2017

Total cases (N)					10,053	
Charges (Dollars; Average charges filed per visit)					\$14,911	
Admission Type (N,%)						
	Outpatients				8,426	83.82%
	Inpatients				1,627	16.18%
Discharge Status (N,%)						
	Discharged to Home				9,053	90.05%
	Transferred				712	7.08%
	Left Against Medical Advice				202	2.01%
	Still Patient or Expected to Return				8	0.08%
	Unknown				14	0.14%
	Expired				34	0.34%
	Hospice - home				13	0.13%
	Hospice – medical facility				15	0.15%
	Admitted as an Inpatient				2	0.02%
Medical Insurance (N, %)						
	Insured				3,846	38.26%
	Medicare				1,487	14.79%
	Medicaid				1,058	10.52%
	Uninsured				3,662	36.43%

Characteristics of Patients with Substance Misuse issues in Parker County 2017

Gender (N, %)					
	Females			4,775	47.50%
	Males			4,020	39.99%
	x			1,258	12.51%
Race (N, %)					
	White			9,337	92.88%
	Black			151	1.50%
	Other			488	4.85%
Ethnicity (N,%)					
	Hispanic or Latino			205	2.04%
	Not Hispanic or Latino			9,841	97.89%
Age Groups					
	< =12			2	0.02%
	13-18			198	1.97%
	19-25			1122	11.16%
	26-40			3301	32.84%
	41-60			3466	34.48%
	>60			1964	19.54%

Substance Abuse/Misuse in Parker County 2017

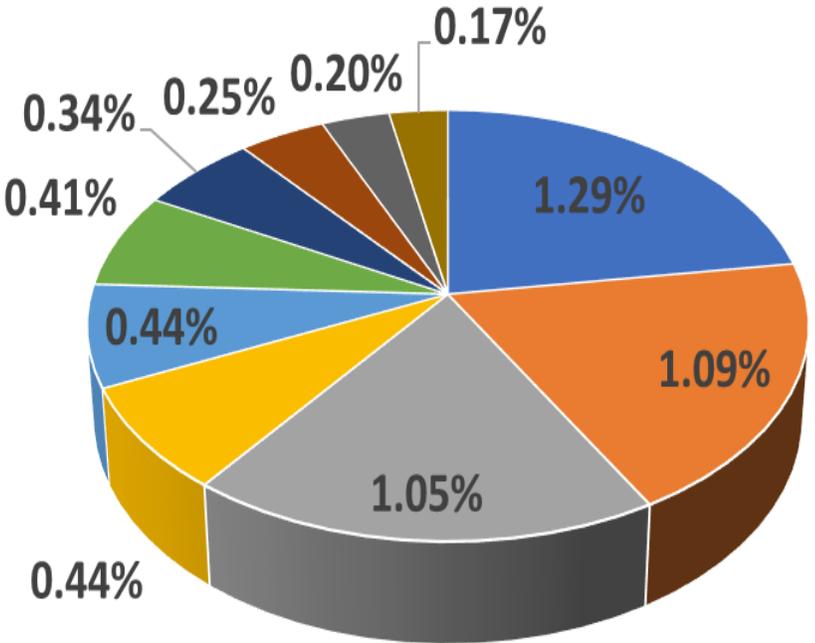


Top-10 Substance Misuses in Parker County 2017

Substance Per ICD-10 Code Description	Count	%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	7265	65.85%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	1481	13.42%
NICOTINE DEPENDENCE CHEWING TOBACCO UNCOMP	465	4.21%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	267	2.42%
ALCOHOL ABUSE, UNCOMPLICATED	236	2.14%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	142	1.29%
CANNABIS ABUSE, UNCOMPLICATED	120	1.09%
OTHER STIMULANT ABUSE, UNCOMPLICATED	116	1.05%
ALCOHOL DEPENDENCE, UNCOMPLICATED	108	0.98%
ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	101	0.92%

Top-10 Non-Nicotine/Alcohol Substance Misuses in Parker County 2017

% of non Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Description

- CANNABIS USE, UNSPECIFIED, UNCOMPLICATED
- CANNABIS ABUSE, UNCOMPLICATED
- OTHER STIMULANT ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE, UNCOMPLICATED
- OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED
- OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED
- OPIOID DEPENDENCE WITH WITHDRAWAL
- OPIOID ABUSE, UNCOMPLICATED
- COCAINE ABUSE, UNCOMPLICATED
- OPIOID USE, UNSPECIFIED, UNCOMPLICATED

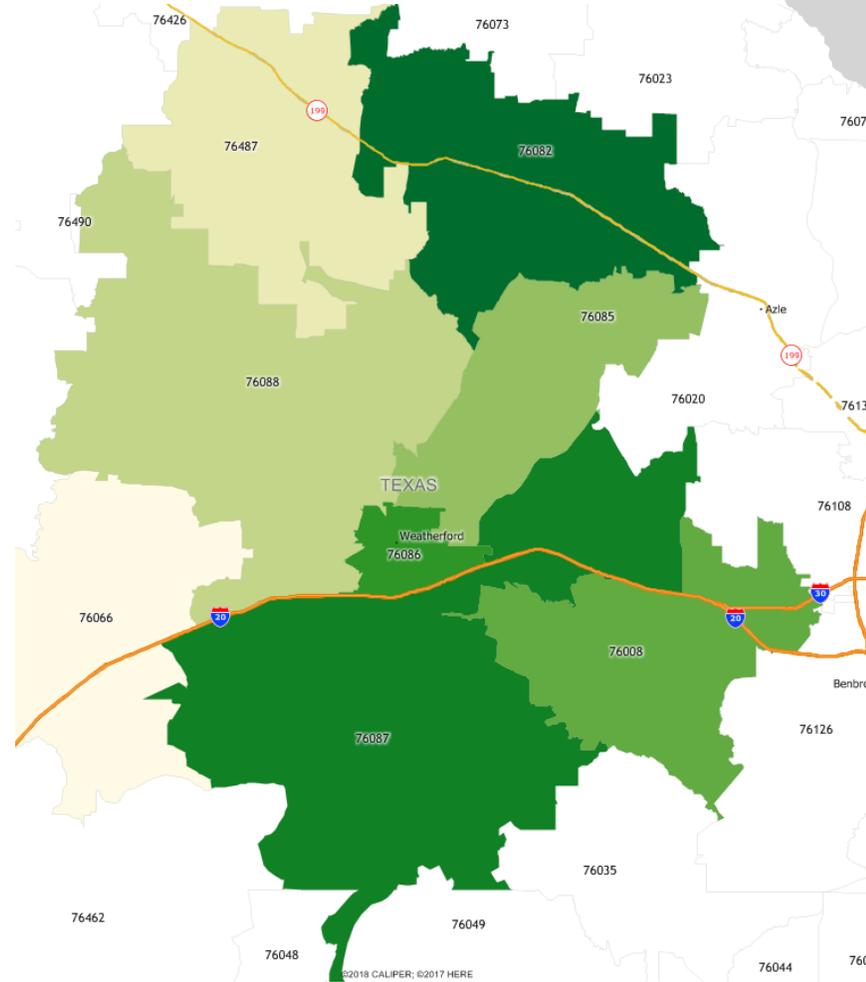
Top number of Visits/Patients per Zip Codes

Rank	Zip Code	Visits*	%	Rank	Zip Code	Patients**	%
1	76082	2889	28.74%	1	76082	1647	27.76%
2	76086	1665	16.56%	2	76087	1008	16.99%
3	76087	1576	15.68%	3	76086	994	16.75%
4	XXXXX***	1258	12.51%	4	XXXXX***	937	15.79%
5	76085	927	9.22%	5	76085	569	9.59%
6	76008	640	6.37%	6	76008	416	7.01%
7	76088	580	5.77%	7	76088	407	6.86%
8	76487	245	2.44%	8	76487	140	2.36%
9	76066	169	1.68%	9	76066	116	1.95%
10	76098	75	0.75%	10	76098	54	0.91%

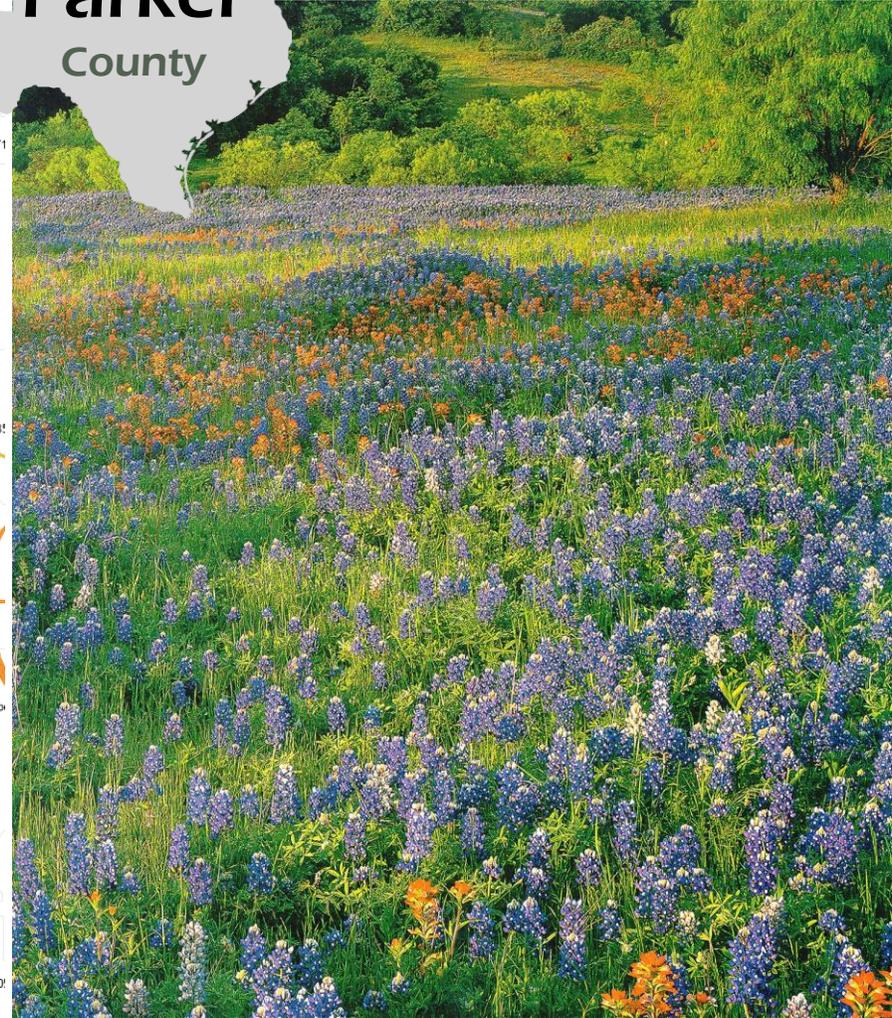
*A patient may have many visits **All of a patient's visit in 2017 is counted as one ***XXXXX - Undisclosed

Top Zip Codes

The darker the shade of green, the higher the number of residents' hospital visits.

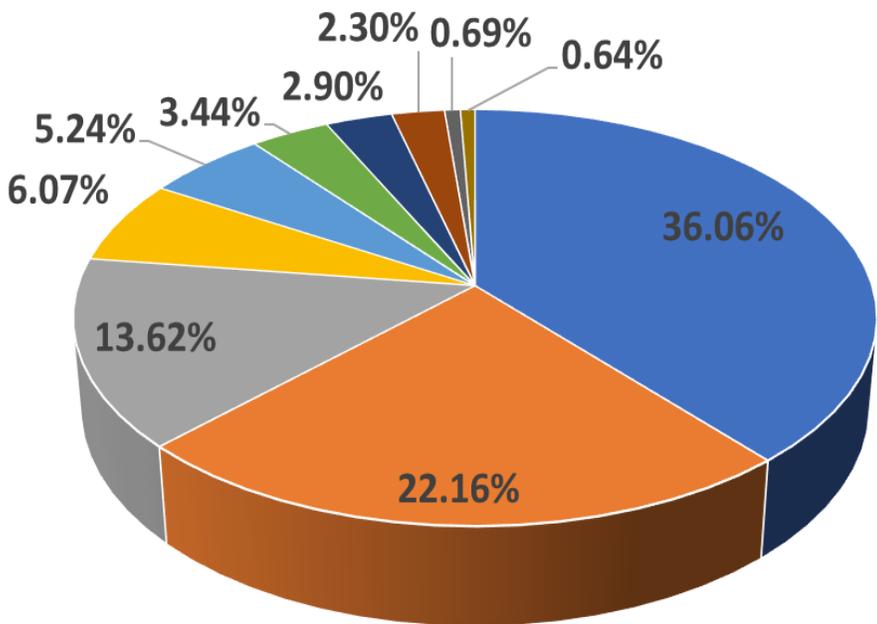


Parker
County



Patient Migration*

Top % of hospitals where patients seek care



- Texas Health Harris Methodist Hospital Fort Worth
- Texas Health Harris Methodist Hospital Azle
- Medical City Weatherford
- Wise Regional Health System
- JPS Health Network
- Baylor All Saints - Fort Worth
- Texas Health Harris Methodist Southwest
- Plaza Medical Center of Fort Worth
- Baylor Heart and Vascular Hospital of Fort Worth
- Texas Health Harris Methodist Hospital Alliance



*Patients seeking care outside their residential county.

Texas Poison Control Center Data 2017: Parker County

Exposure Counts: 764
Exposure per 1,000: 5.27

Top-3 exposure sites

Own residence: 519
 Schools: 11
 Workplace: 7

Age distribution

<=5 years	421
6-12 years	47
13-19 years	69
20's	40
30's	46
40's	38
50's	35
60's	26
70's	12
80's	5
>=90	4
Unknown age	21

Substance Category	
Analgesics	92
Antihistamines	53
Cold and Cough Preparations	20
Topical Preparations	16
Sedative/Hypnotics/Antipsychotics	43
Antidepressants	37
Vitamins	25
Cardiovascular Drugs	31
Alcohols	20
Antimicrobials	18
Gastrointestinal Preparations	21
Hormones and Hormone Antagonists	15
Stimulants and Street Drugs	14
Dietary Supplements/Herbals/Homeopathic	23



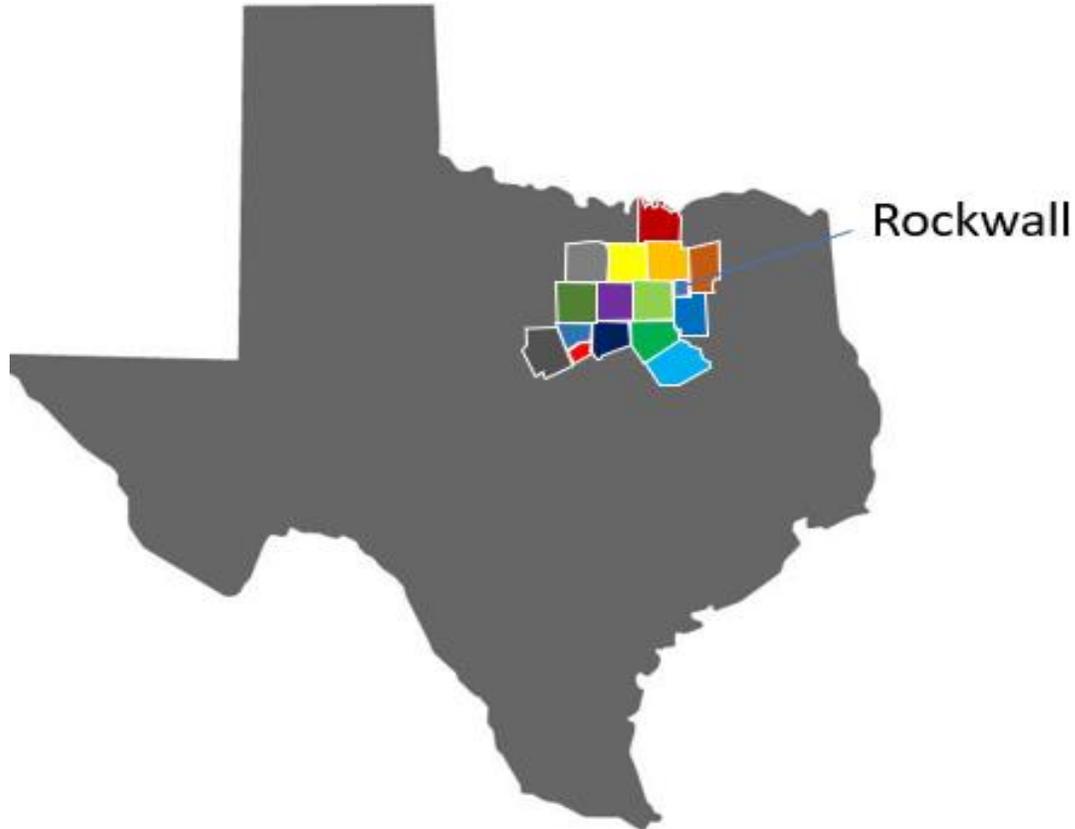
Key findings from Parker County

- Total cases (patient visits with substance misuse) reported in 2017: 10,053
- 84% were outpatient visits
- 90% were discharged to home and 7% transferred to another facility/provider
- 38% were insured patients and 36% uninsured
- 98% Non Hispanic/Latino; 93% Whites, 1.5% Blacks and 5% Others
- 87% visits from the age group 26-60 years
- After nicotine, the top abused substances were alcohol, cannabis, opiates and cocaine
- No OSAR data available



Substance Abuse/Misuse Community Needs Assessment

Rockwall County



Total Population: 95,495

Area: 127 Sq. Mile

Patients with the Highest Number of Visits

Patients	Number of Emergency Department Visits	Total Charges Filed/Patient
1	34	\$277,073
2	32	\$47,384
3	25	\$68,074
4	22	\$962,672
5	20	\$105,874
6	18	\$66,363
7	14	\$143,240
8	12	\$168,238
9	12	\$82,637
10	12	\$261,191
Total	201	\$2,182,746

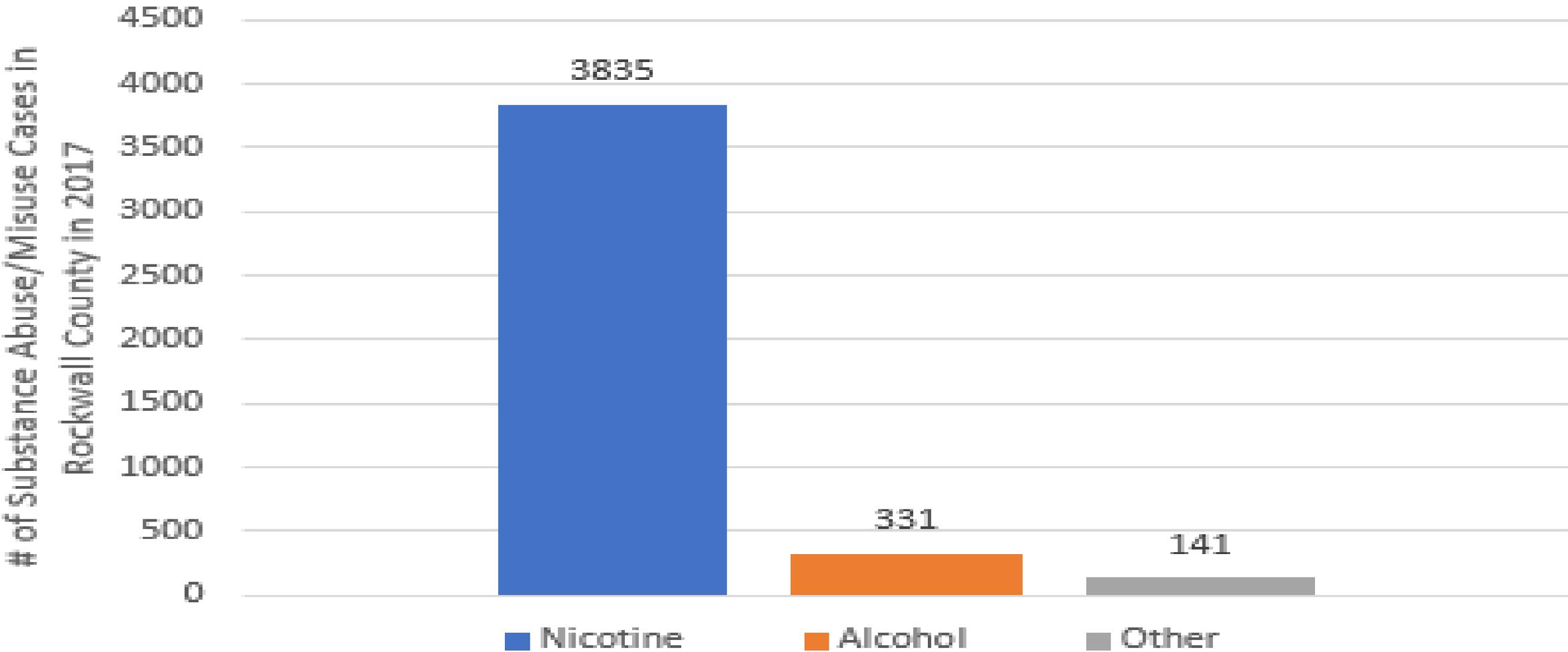
Characteristics of Patients with Substance Misuse issues in Rockwall County 2017

Total cases (N)			4,381	
Charges (Dollars; Average charges filed per visit)			\$17,787	
Admission Type (N,%)				
	Outpatients		3,471	79.23%
	Inpatients		912	20.82%
Discharge Status (N,%)				
	Discharged to Home		3,822	87.24%
	Transferred		410	9.36%
	Left Against Medical Advice		93	2.12%
	Still Patient or Expected to Return		6	0.14%
	Unknown		10	0.23%
	Expired		23	0.52%
	Hospice - home		5	0.11%
	Hospice – medical facility		11	0.25%
	Admitted as an Inpatient		1	0.02%
Medical Insurance (N, %)				
	Insured		2,261	51.61%
	Medicare		682	15.57%
	Medicaid		245	5.59%
	Uninsured		1,193	27.23%

Characteristics of Patients with Substance Misuse issues in Rockwall County 2017

Gender (N, %)					
	Females			1,738	39.67%
	Males			1,665	38.01%
	x			978	22.32%
Race (N, %)					
	White			1,721	39.28%
	Black			169	3.86%
	Other			2,475	56.49%
Ethnicity (N,%)					
	Hispanic or Latino			143	3.26%
	Not Hispanic or Latino			4,238	96.74%
Age Groups					
	< =12			2	0.05%
	13-18			115	2.62%
	19-25			490	11.18%
	26-40			1213	27.69%
	41-60			1677	38.28%
	>60			884	20.18%

Substance Abuse/Misuse in Rockwall County 2017

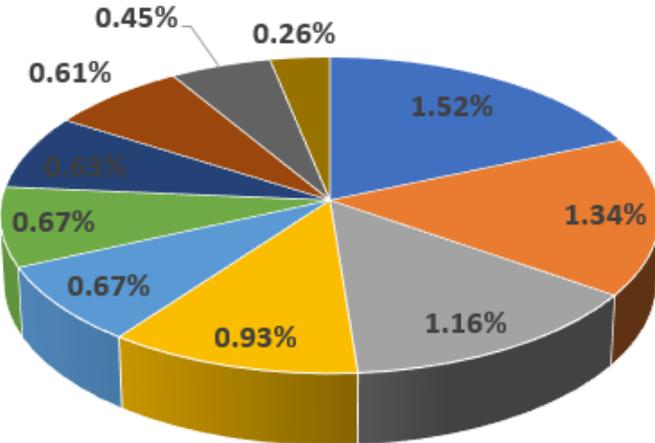


Top 10 Substance Abuse/Misuse in Rockwall County 2017

Substance Per ICD-10 Code Description	Count	%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	2484	50.45%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	978	19.86%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	194	3.94%
ALCOHOL ABUSE, UNCOMPLICATED	131	2.66%
ALCOHOL DEPENDENCE, UNCOMPLICATED	110	2.23%
NICOTINE DEPENDENCE, CIGARETTES, W OTH DISORDERS	94	1.91%
ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	90	1.83%
NICOTINE DEPENDENCE CHEWING TOBACCO UNCOMP	85	1.73%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	75	1.52%
CANNABIS ABUSE, UNCOMPLICATED	66	1.34%

Top-10 Non-Nicotine/Alcohol Substance Misuses in Rockwall County 2017

% of non Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Description

- CANNABIS USE, UNSPECIFIED, UNCOMPLICATED
- CANNABIS ABUSE, UNCOMPLICATED
- OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED
- OTHER STIMULANT ABUSE, UNCOMPLICATED
- COCAINE ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE, UNCOMPLICATED
- OPIOID ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE WITH WITHDRAWAL
- OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED

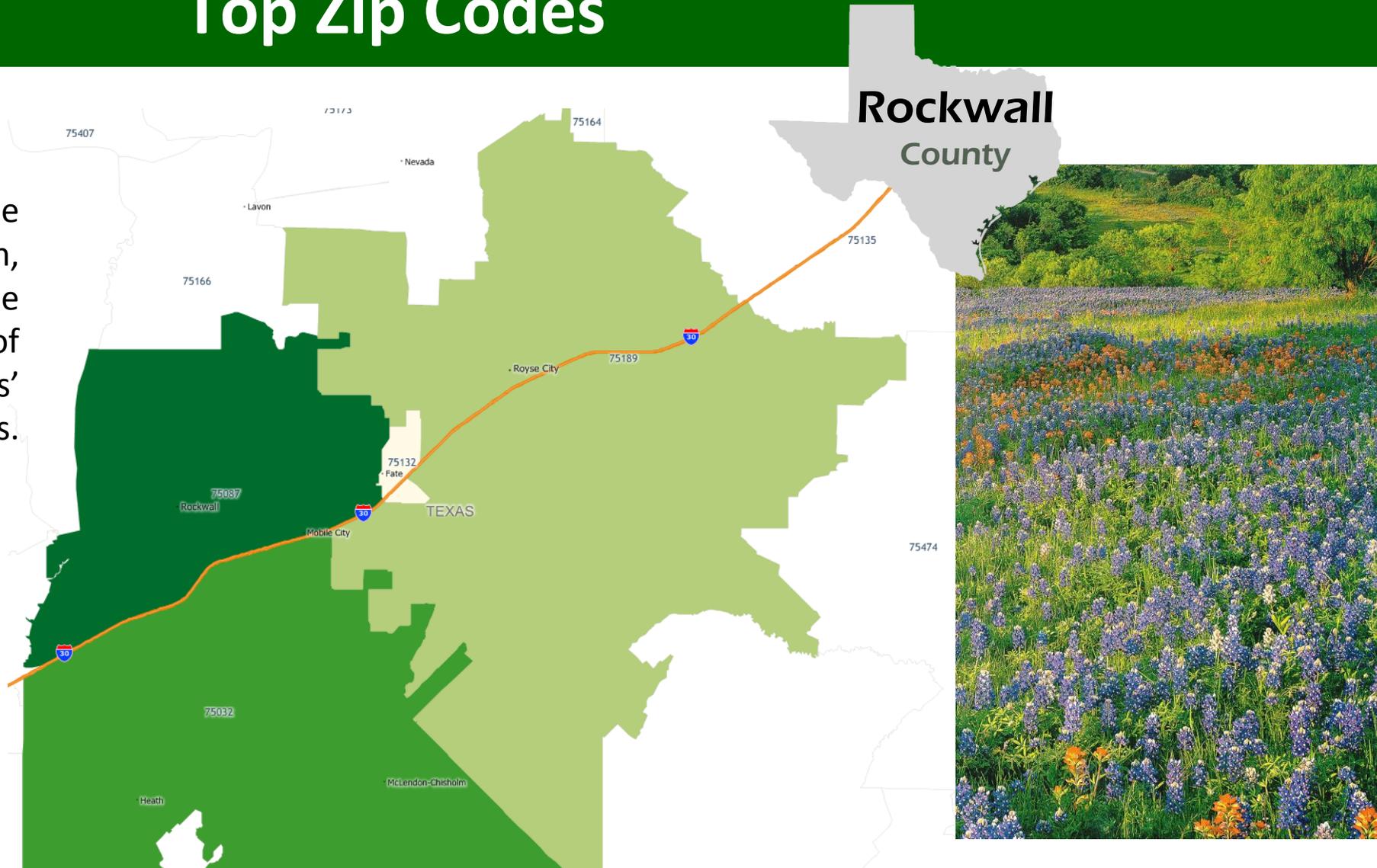
Top number of Visits/Patients per Zip Codes

Rank	Zip Code	Visits*	%	Rank	Zip Code	Patients**	%
1	75189	1277	29.15%	1	75189	806	29.65%
2	75032	1048	23.92%	2	75087	691	25.42%
3	75087	1038	23.69%	3	75032	681	25.06%
4	XXXXX***	978	22.32%	4	XXXXX***	679	24.98%
5	75132	28	0.64%	5	75132	15	0.55%
6	751XX	10	0.23%	6	751XX	8	0.29%
7	88888	2	0.05%	7	88888	2	0.07%

*A patient may have many visits **All of a patient's visit in 2017 is counted as one ***XXXXX - Undisclosed

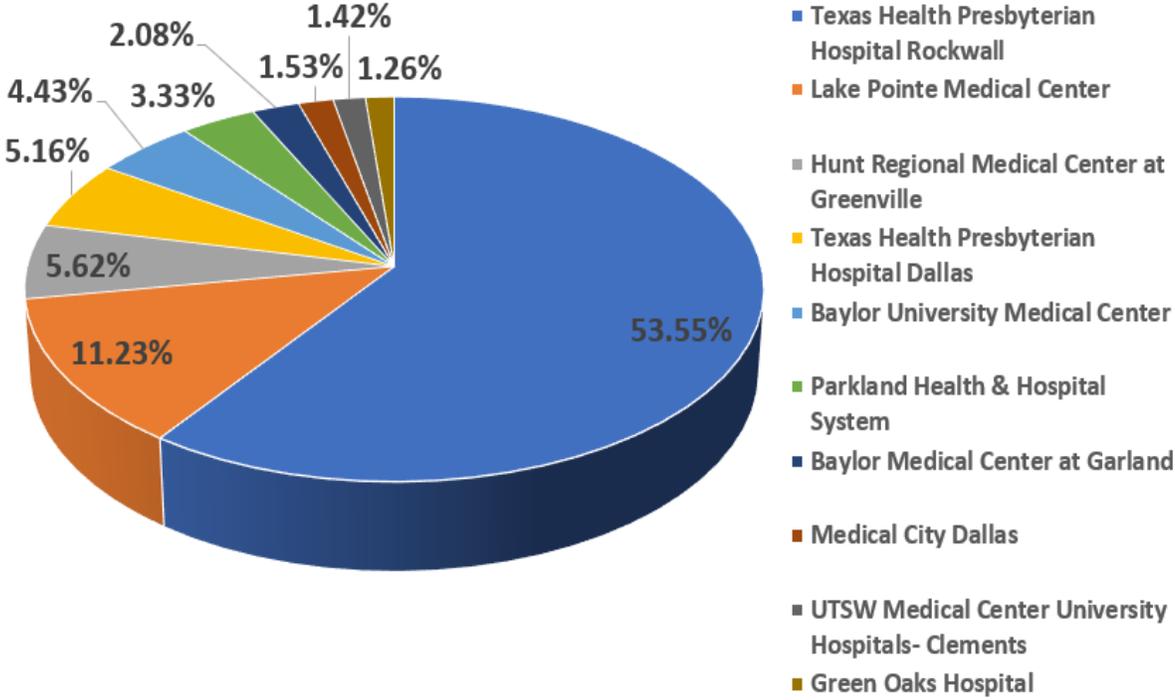
Top Zip Codes

The darker the shade of green, the higher the number of residents' hospital visits.



Patient Migration*

Top % of hospitals where patients seek care



*Patients seeking care outside their residential county.

Texas Poison Control Center Data 2017: Rockwall County

Exposure Counts: 650

Exposure per 1,000: 6.28

Top-3 exposure sites

Own residence: 378

Schools: 7

Workplace: 1

Age distribution

<=5 years	287
6-12 years	64
13-19 years	69
20's	46
30's	53
40's	41
50's	27
60's	26
70's	16
80's	11
>=90	3

Substance Category	
Analgesics	91
Antihistamines	50
Cold and Cough Preparations	33
Sedative/Hypnotics/Antipsychotics	60
Antidepressants	45
Vitamins	16
Cardiovascular Drugs	34
Antimicrobials	13
Alcohols	21
Gastrointestinal Preparations	4
Hormones and Hormone Antagonists	22
Stimulants and Street Drugs	29
Dietary Supplements/Herbals/Homeopathic	17
Asthma Therapies	5
Anticonvulsants	16
Electrolytes and Minerals	6
Muscle Relaxants	10
Miscellaneous Drugs	4
Eye/Ear/Nose/Throat Preparations	3
Essential Oils	5



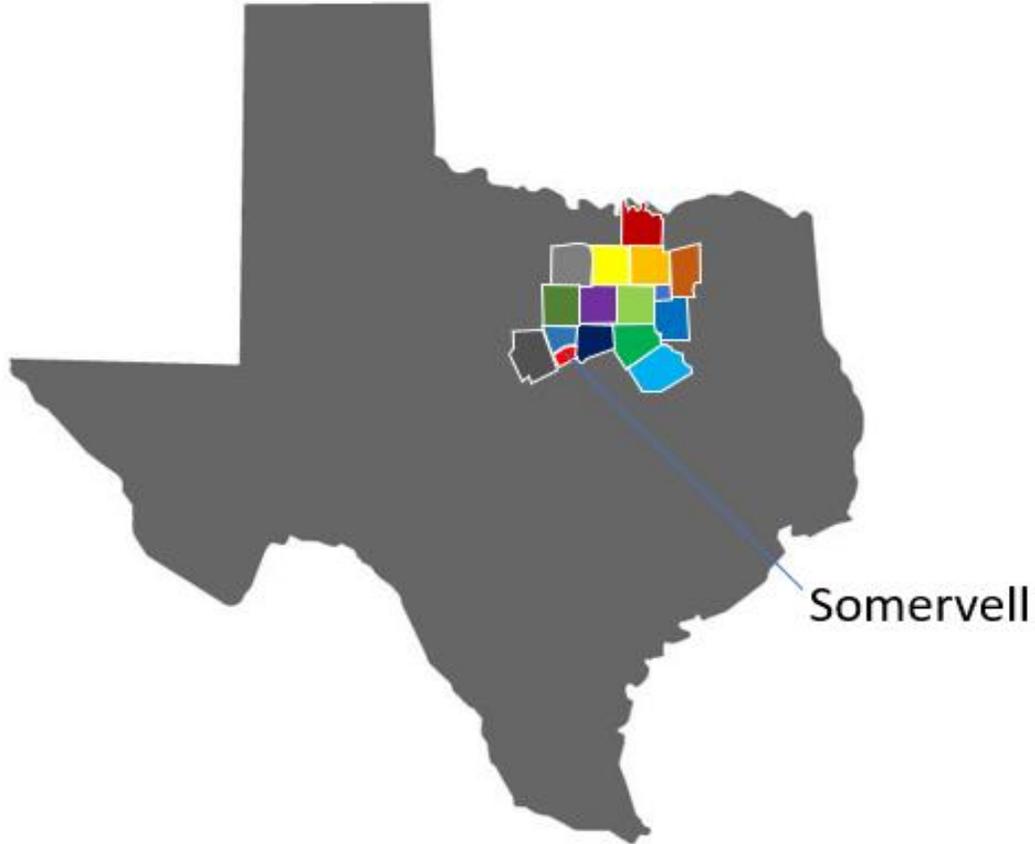
Key findings from Rockwall County

- Total cases (patient visits with substance misuse) reported in 2017: 4,381
- 79% were outpatient visits
- 87% were discharged to home and 9% transferred to another facility/provider
- 52% were insured patients and 27% uninsured
- 97% Non Hispanic/Latino; 39% Whites, 4% Blacks and 56% Others
- 86% visits from the age group 26-60 years
- After nicotine, the top abused substances were alcohol, cannabis, opiates and cocaine
- No OSAR data available



Substance Misuse Community Needs Assessment

Somervell County



Total Population: 9,063
Area: 186.5 Sq. Mile

Patients with the Highest Number of Visits

Patient	Number of Emergency Department Visits	Total Charges Filed/Patient
1	10	\$24,298
2	4	\$134,651
3	3	\$16,322
4	2	\$139,025
5	2	\$1,668
6	2	\$203,704
7	2	\$149,648
8	2	\$64,599
9	2	\$35,975
10	1	\$126,041
Total	30	\$895,931

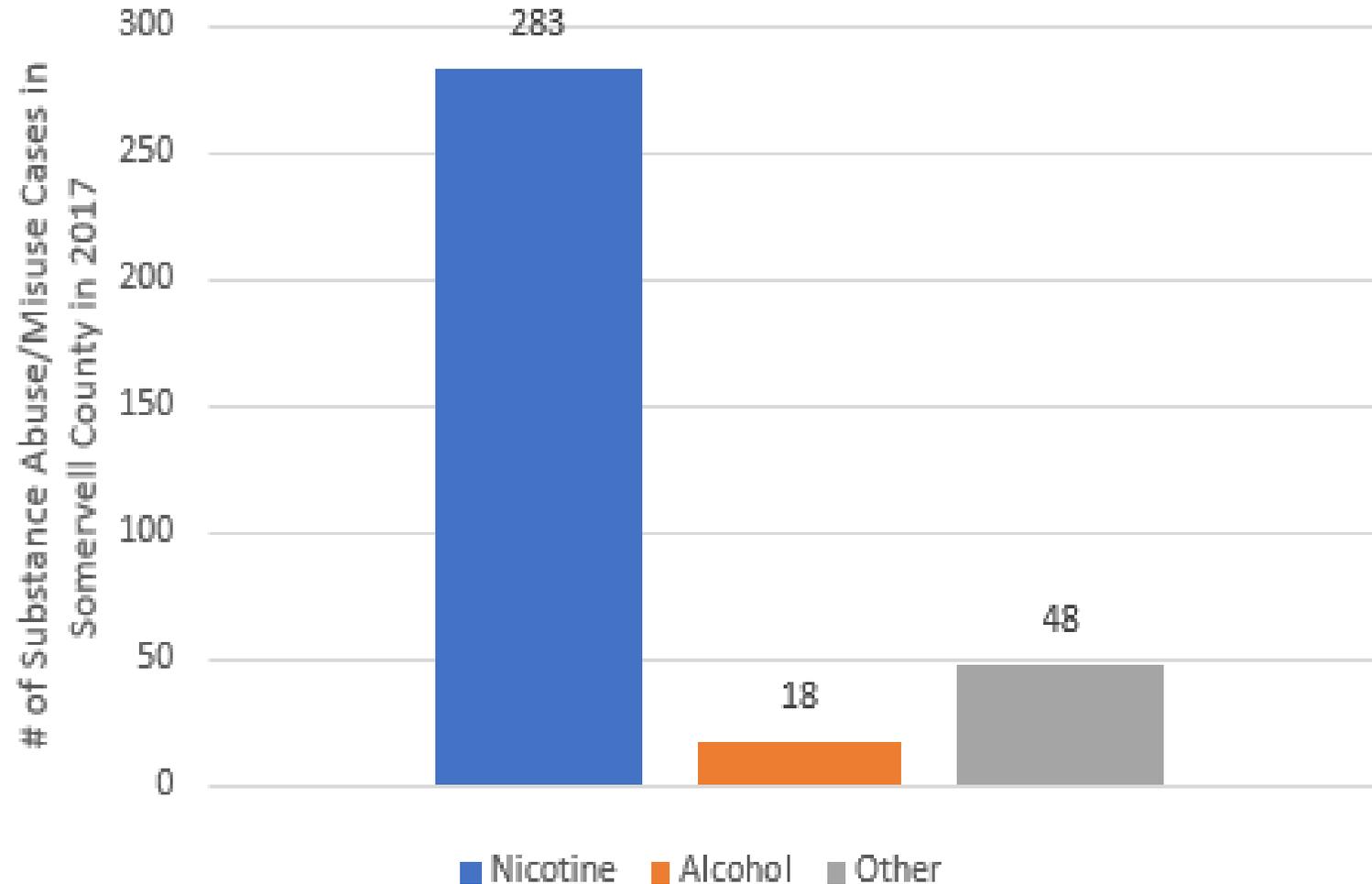
Characteristics of Patients with Substance Misuse issues in Somervell County 2017

Total cases (N)		68	
Charges (Dollars; Average charges filed per visit)		\$65,744	
Admission Type (N,%)			
	Outpatients	28	41.18%
	Inpatients	40	58.82%
Discharge Status (N,%)			
	Discharged to Home	42	61.76%
	Transferred	15	22.06%
	Left Against Medical Advice	5	7.35%
	Still Patient or Expected to Return	0	0.00%
	Unknown	0	0.00%
	Expired	1	1.47%
	Hospice - home	2	2.94%
	Hospice – medical facility	3	4.41%
	Admitted as an Inpatient	0	0.00%
Medical Insurance (N, %)			
	Insured	13	19.12%
	Medicare	41	60.29%
	Medicaid	2	2.94%
	Uninsured	12	17.65%

Characteristics of Patients with Substance Misuse issues in Somervell County 2017

Gender (N, %)				
	Females		21	30.88%
	Males		13	19.12%
	x		34	50.00%
Race (N, %)				
	White		59	86.76%
	Other		9	13.24%
Ethnicity (N,%)				
	Hispanic or Latino		2	2.94%
	Not Hispanic or Latino		66	97.06%
Age Groups				
	< =12		1	1.47%
	13-18		3	4.41%
	19-25		4	5.88%
	26-40		21	30.88%
	41-60		14	20.59%
	>60		25	36.76%

Substance Misuse in Somervell County 2017

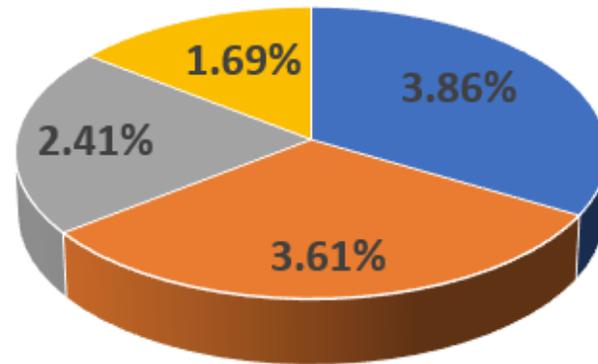


Top-10 Substance Misuses in Somervell County 2017

Substance Per ICD-10 Code Description	Count	%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	190	45.78%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	77	18.55%
CANNABIS ABUSE, UNCOMPLICATED	16	3.86%
OTHER STIMULANT ABUSE, UNCOMPLICATED	15	3.61%
ALCOHOL ABUSE, UNCOMPLICATED	11	2.65%
OPIOID DEPENDENCE, UNCOMPLICATED	10	2.41%
NICOTINE DEPENDENCE CHEWING TOBACCO UNCOMP	9	2.17%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	7	1.69%
ALCOHOL DEPENDENCE, UNCOMPLICATED	7	1.69%
SEDATIVE HYPNOTIC OR ANXIOLYTIC ABUSE UNCOMP	7	1.69%

Top Non-Nicotine/Alcohol Substance Misuses in Somervell County 2017

% of non Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Description

- CANNABIS ABUSE, UNCOMPLICATED
- OTHER STIMULANT ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE, UNCOMPLICATED
- SEDATIVE HYPNOTIC OR ANXIOLYTIC ABUSE UNCOMP

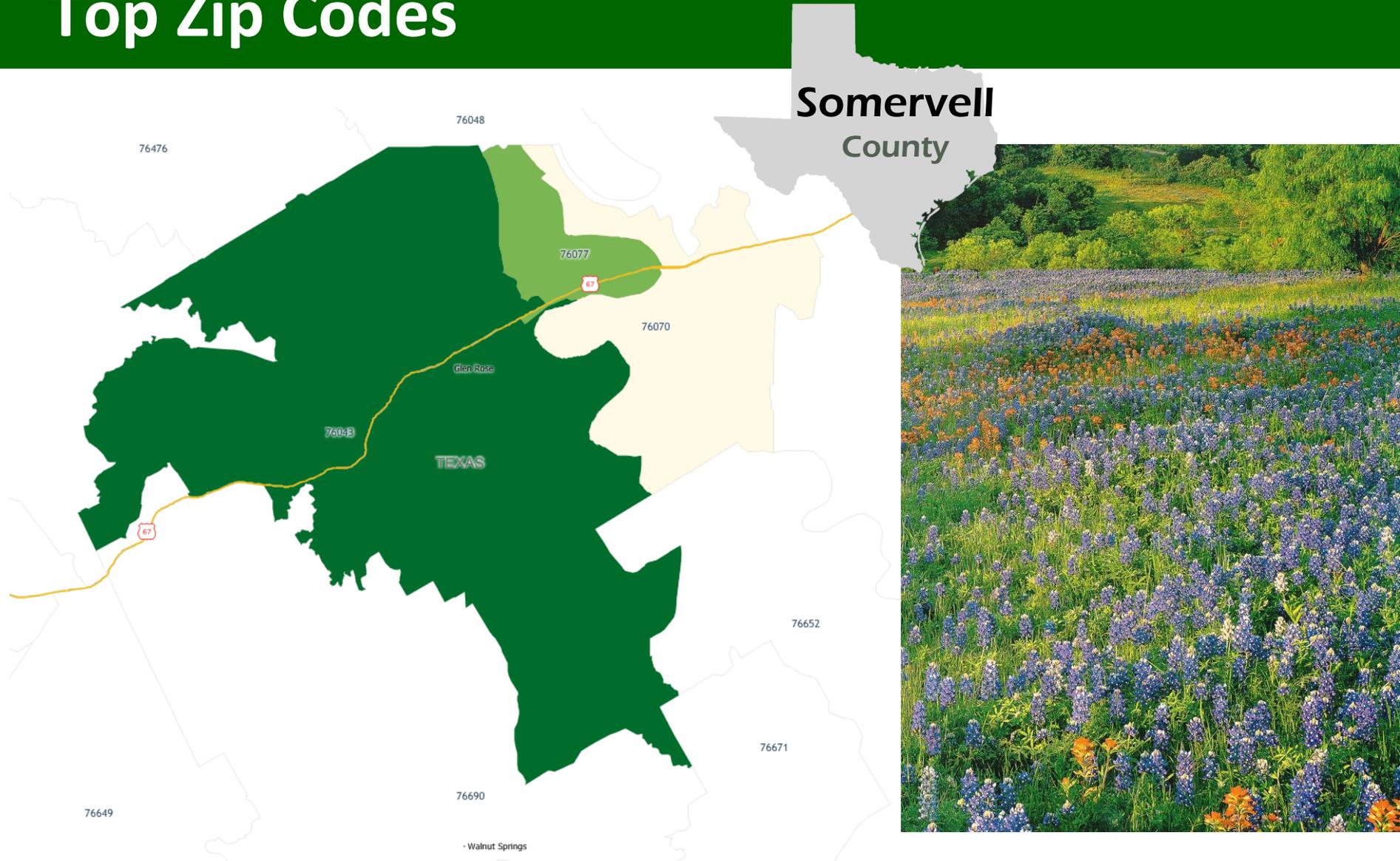
Top number of Visits/Patients per Zip Codes

Rank	Zip Code	Visits*	%	Rank	Zip Code	Patients**	%
1	76043	29	42.65%	1	76043	24	48.98%
2	XXXXX***	34	50.00%	2	XXXXX***	21	42.86%
3	760XX	5	7.35%	3	760XX	5	10.20%

*A patient may have many visits **All of a patient's visit in 2017 is counted as one ***XXXXX - Undisclosed

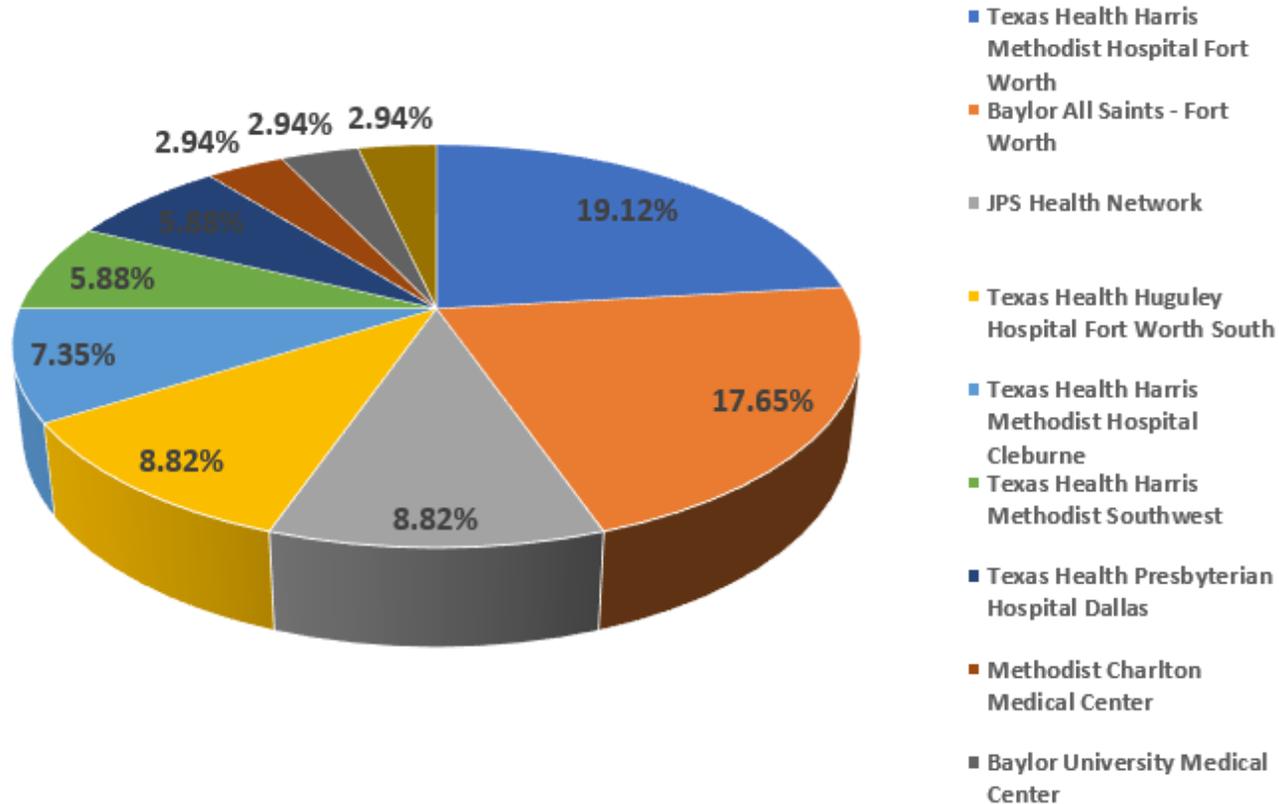
Top Zip Codes

The darker the shade of green, the higher the number of residents' hospital visits.



Patient Migration*

Top % of hospitals where patients seek care



*Patients seeking care outside their residential county.

Texas Poison Control Center Data 2017: Somervell County

Exposure Counts: 79

Exposure per 1,000: 8.03

Top Three Exposure sites

Own residence: 54

Schools: 0

Workplace: 1

Age distribution

<=5 years 41

6-12 years 5

13-19 years 8

20's 9

30's 2

40's 4

50's 5

60's 2

70's 1

Unknown age 2

Substance Category	
Analgesics	13
Cold and Cough Preparations	4
Foreign Bodies/Toys/Miscellaneous	1
Topical Preparations	3
Antidepressants	2
Antihistamines	6
Alcohols	3
Cardiovascular Drugs	6
Stimulants and Street Drugs	1
Muscle Relaxants	1
Fumes/Gases/Vapors	2
Dietary Supplements/Herbals/Homeopathic	1
Hormones and Hormone Antagonists	1
Gastrointestinal Preparations	2
Vitamins	2
Electrolytes and Minerals	2
Asthma Therapies	1



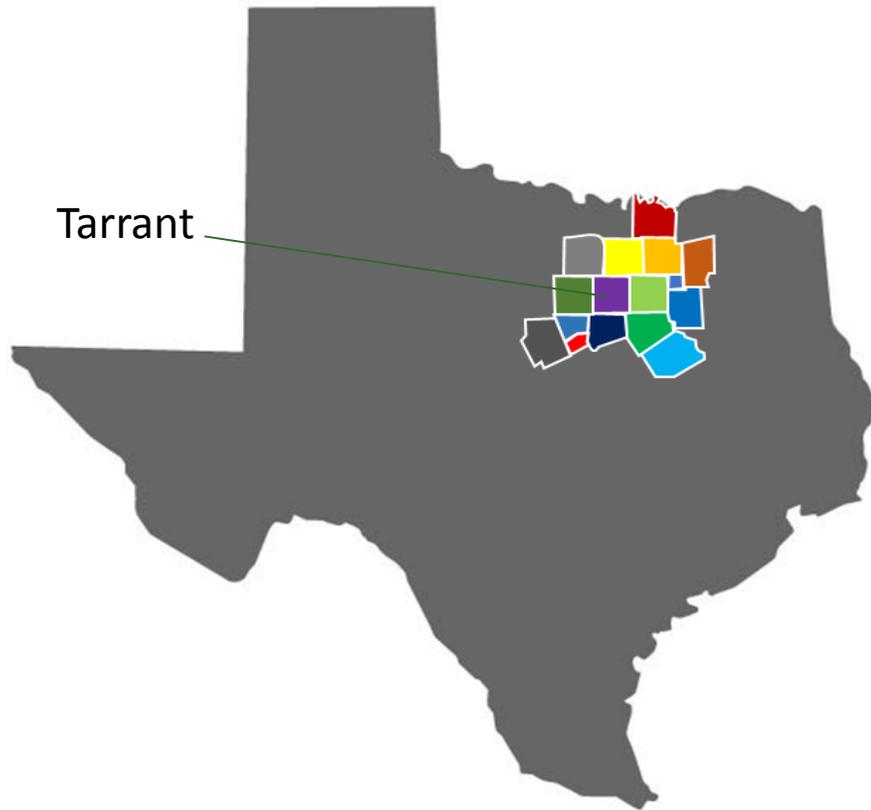
Key findings from Somervell County

- Total cases (patient visits with substance abuse) reported in 2017: 68
- 41% were outpatient visits
- 62% were discharged to home and 22% transferred to another facility/provider
- 19% were insured, 18% were uninsured and 60% Medicare patients
- 97% Non Hispanic/Latino; 87% Whites, and 13% Others
- 88% visits from the age group 26-60 years
- After nicotine, the top abused substances were alcohol, cannabis, opiates and Sedative Hypnotic
- No OSAR data available



Substance Misuse Community Needs Assessment

Tarrant County



Total Population: 1,995,921

Area: 863.6 Sq. Mile

Patients with the Highest Number of Visits

Patient	Number of Emergency Department Visits	Total Charges Filed/Patient
1	140	\$583,453
2	130	\$424,796
3	116	\$312,100
4	106	\$975,025
5	106	\$145,759
6	99	\$413,327
7	91	\$1,146,633
8	86	\$460,270
9	75	\$392,580
10	65	\$304,049
Total	1,014	\$5,157,992

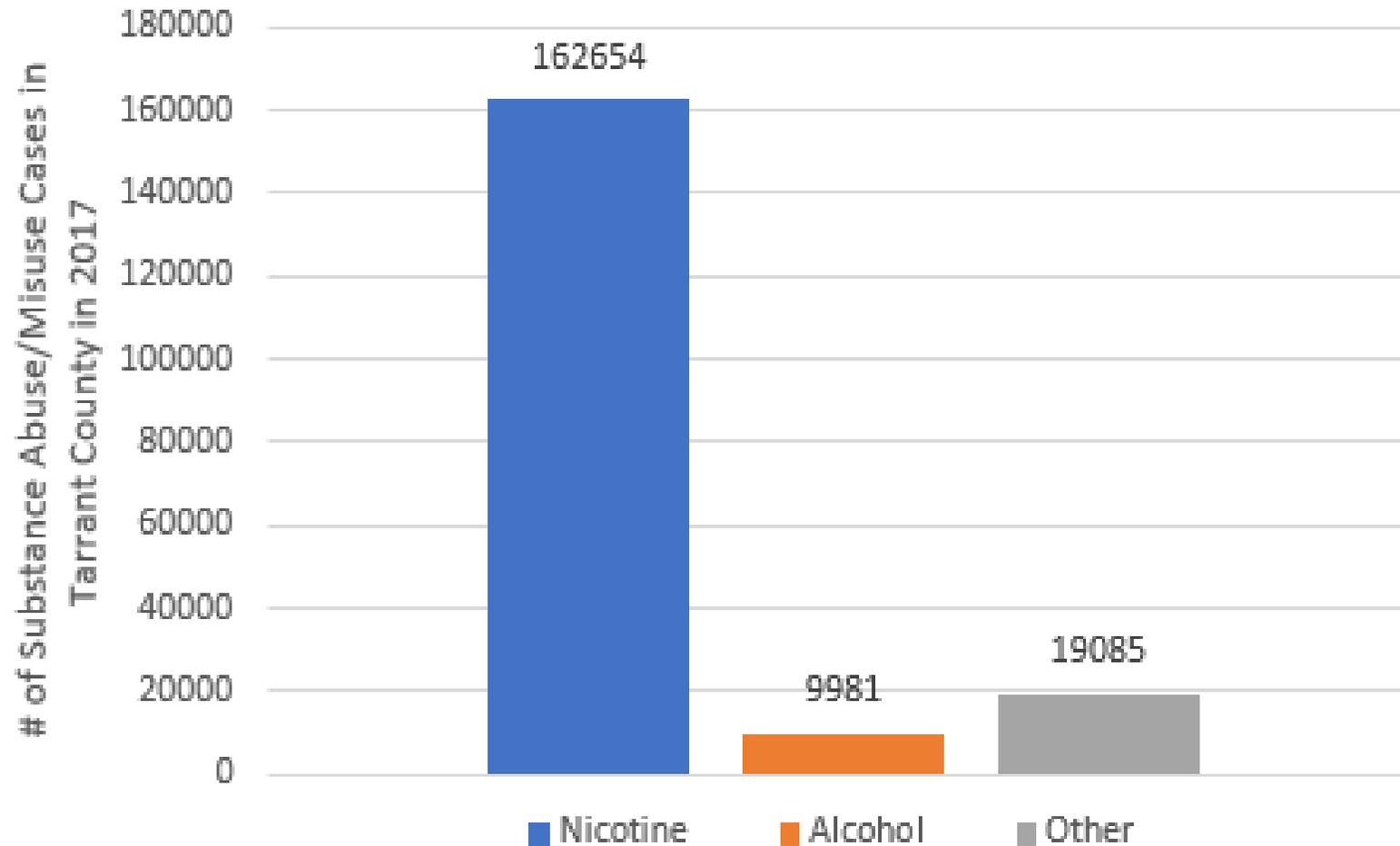
Characteristics of Patients with Substance Misuse issues in Tarrant County 2017

Total cases (N)		175,463	
Charges (Dollars; Average charges filed per visit)		\$12,524	
Admission Type (N,%)			
	Outpatients	146,613	83.56%
	Inpatients	28,852	16.44%
Discharge Status (N,%)			
	Discharged to Home	159,348	90.82%
	Transferred	9,914	5.65%
	Left Against Medical Advice	4,603	2.62%
	Still Patient or Expected to Return	153	0.09%
	Unknown	637	0.36%
	Expired	420	0.24%
	Hospice - home	144	0.08%
	Hospice – medical facility	149	0.08%
	Admitted as an Inpatient	104	0.06%
Medical Insurance (N, %)			
	Insured	56,839	32.39%
	Medicare	19,444	11.08%
	Medicaid	23,651	13.48%
	Uninsured	75,533	43.05%

Characteristics of Patients with Substance Misuse issues in Tarrant County 2017

Gender (N, %)				
	Females		71,802	40.92%
	Males		64,133	36.55%
	x		39,529	22.53%
Race (N, %)				
	White		105,744	60.27%
	Black		49,785	28.37%
	Other		17,154	9.78%
Ethnicity (N,%)				
	Hispanic or Latino		16,824	9.59%
	Not Hispanic or Latino		158,566	90.37%
Age Groups				
	< =12		64	0.04%
	13-18		3,125	1.78%
	19-25		20,741	11.82%
	26-40		60,523	34.49%
	41-60		65,536	37.35%
	>60		25,474	14.52%

Substance Misuse in Tarrant County 2017

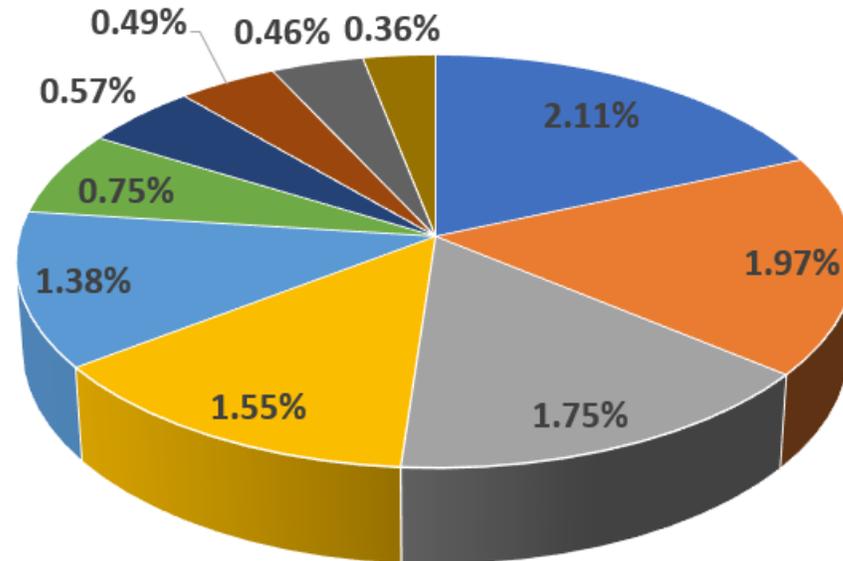


Top-10 Substance Misuses in Tarrant County 2017

Substance Per ICD-10 Code Description	Count	%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	105,444	48.39%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	52,903	24.28%
ALCOHOL ABUSE, UNCOMPLICATED	7,005	3.21%
CANNABIS ABUSE, UNCOMPLICATED	4,600	2.11%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	4,307	1.98%
OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED	4,283	1.97%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	3,808	1.75%
OTHER STIMULANT ABUSE, UNCOMPLICATED	3,377	1.55%
COCAINE ABUSE, UNCOMPLICATED	3,017	1.38%
ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	2,976	1.37%

Top Non-Nicotine/Alcohol Substance Misuses in Tarrant County 2017

% of non Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Description

- CANNABIS ABUSE, UNCOMPLICATED
- OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED
- CANNABIS USE, UNSPECIFIED, UNCOMPLICATED
- OTHER STIMULANT ABUSE, UNCOMPLICATED
- COCAINE ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE, UNCOMPLICATED
- OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED
- OPIOID ABUSE, UNCOMPLICATED
- COCAINE USE, UNSPECIFIED, UNCOMPLICATED
- OPIOID DEPENDENCE WITH WITHDRAWAL

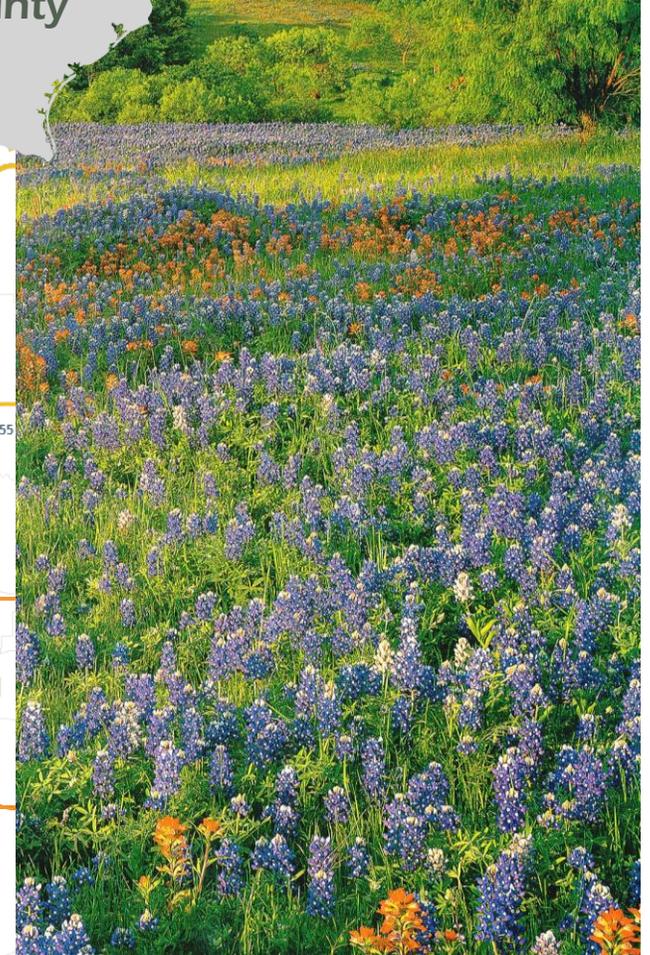
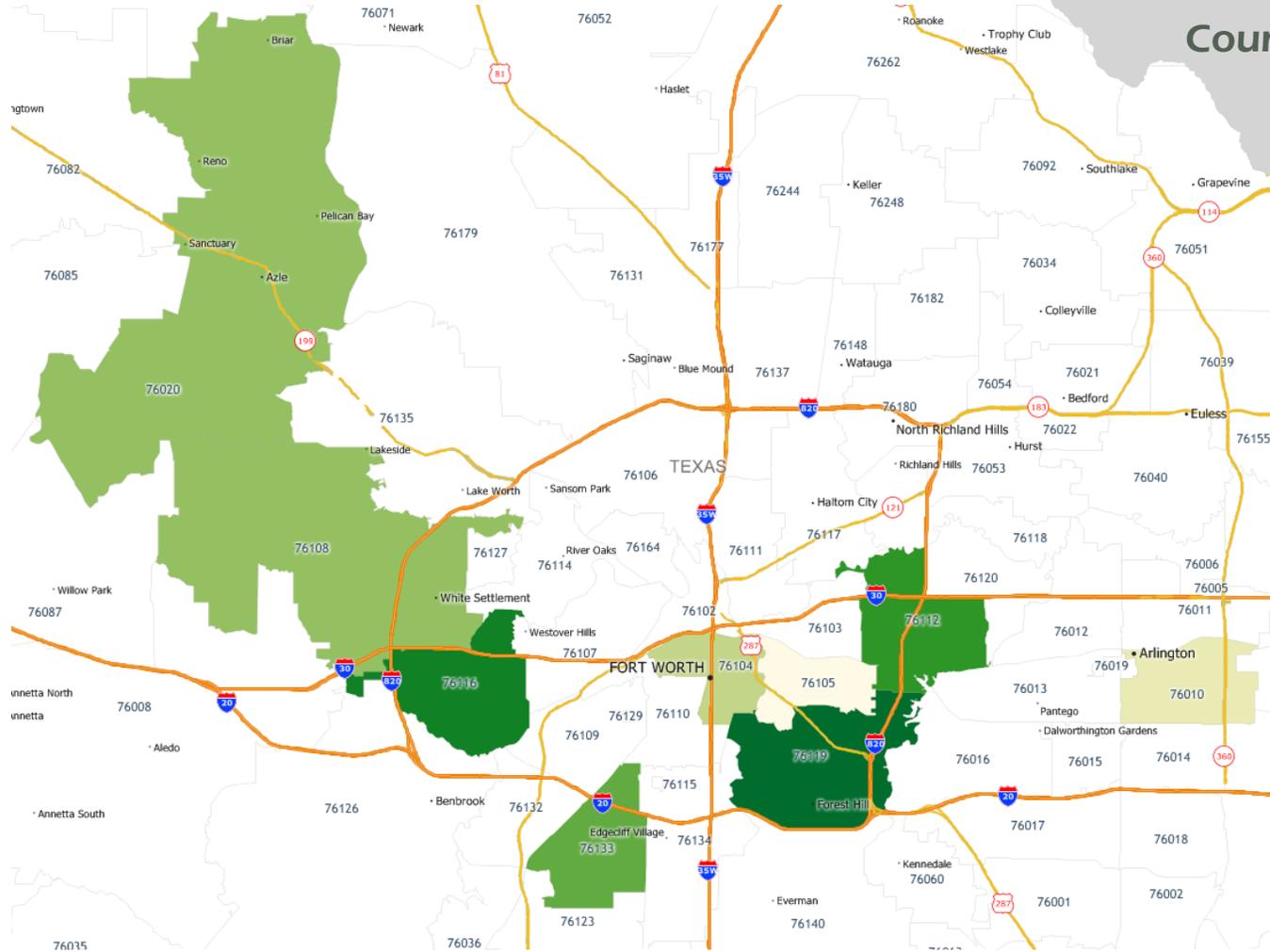
Top number of Visits/Patients per Zip Codes

Rank	Zip Code	Visits*	%	Rank	Zip Code	Patients**	%
1	XXXXX***	39561	22.55%	1	XXXXX***	24164	26.02%
2	76119	6419	3.66%	2	76119	3465	3.73%
3	76116	5968	3.40%	3	76112	3391	3.65%
4	76112	5837	3.33%	4	76116	3214	3.46%
5	76020	4771	2.72%	5	76010	2559	2.76%
6	76133	4727	2.69%	6	76020	2555	2.75%
7	76104	4312	2.46%	7	76133	2530	2.72%
8	76108	4134	2.36%	8	76108	2398	2.58%
9	76105	3992	2.28%	9	76104	2209	2.38%
10	76010	3988	2.27%	10	76179	2048	2.21%

*A patient may have many visits **All of a patient's visit in 2017 is counted as one ***XXXXX - Undisclosed

Top Zip Codes

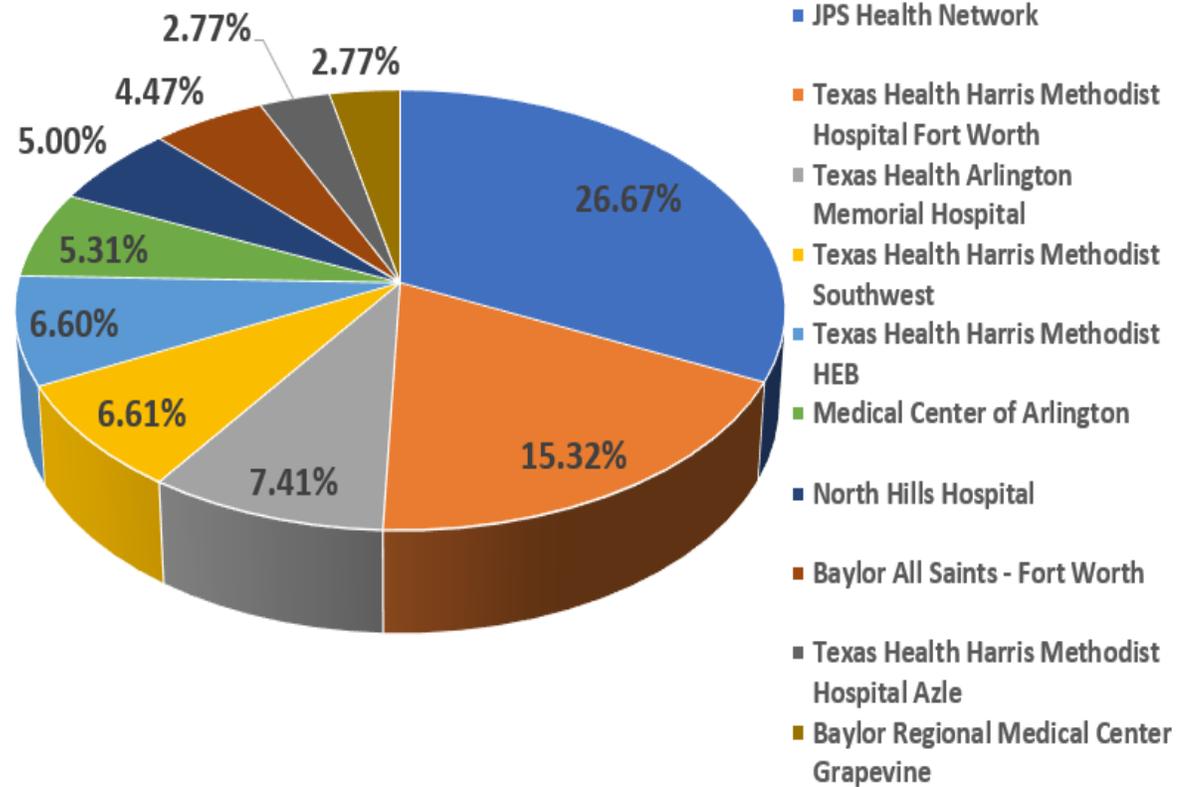
Tarrant County



The darker the shade of green, the higher the number of residents' hospital visits.

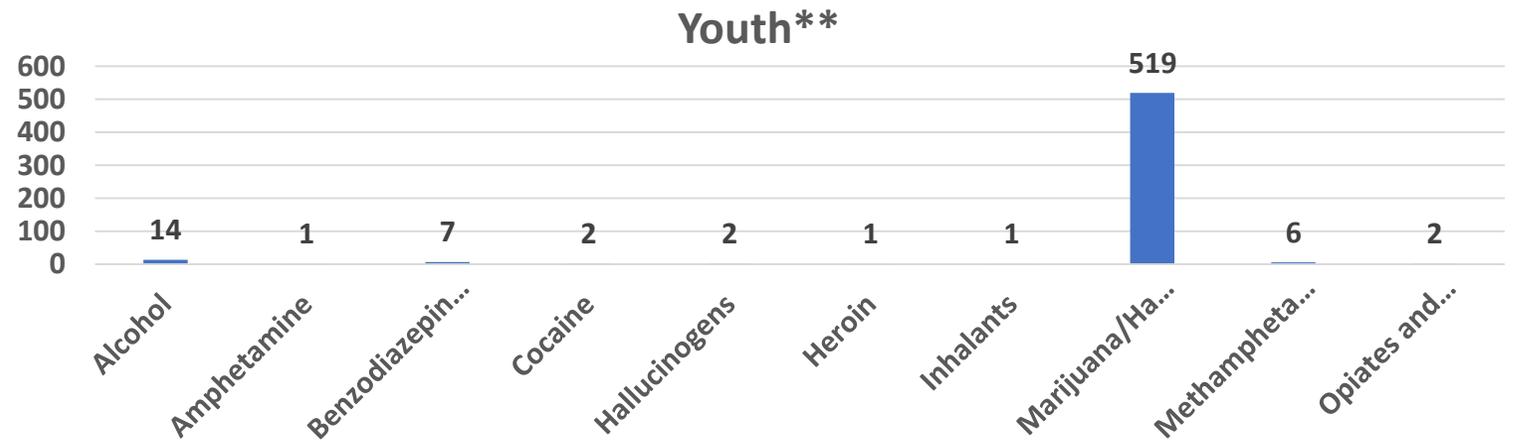
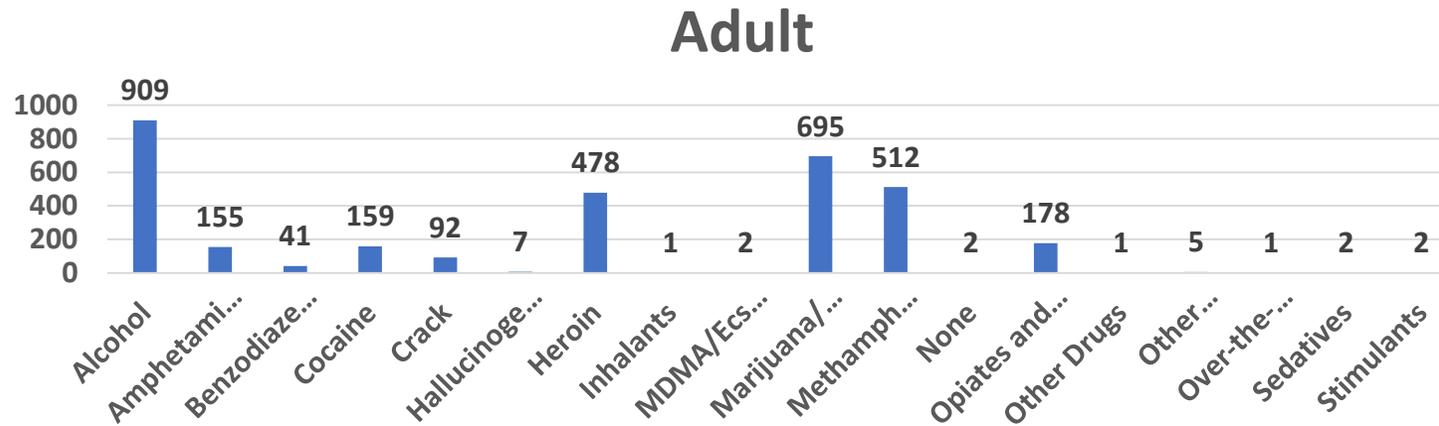
Patient Migration*

Top % of hospital visits by patients



*Patients seeking care outside their residential county.

Outreach, Screening, Assessment and Referral Center Data: Tarrant County*



*OSAR data is for SFY 2017

** age 13-17 years

Texas Poison Control Center Data 2017: Tarrant County

Exposure Counts: 10,516
Exposure per 1,000: 5.20

Top-3 exposure sites

Own residence: 6,728
 School: 149
 Workplace: 56

Age:

<5yrs	5,340
6-12yrs	741
13-19yrs	885
20s	802
30s	700
40s	505
50s	527
60s	352

Substance Category	
Analgesics	1,380
Antihistamines	680
Antidepressants	607
Sedative/Hypnotics/Antipsychotics	592
Cardiovascular Drugs	472
Topical Preparations	342
Cold and Cough Preparations	341
Antimicrobials	304
Vitamins	293
Alcohols	287
Anticonvulsants	280
Gastrointestinal Preparations	263
Stimulants and Street Drugs	249
Hormones and Hormone Antagonists	240
Electrolytes and Minerals	174
Muscle Relaxants	131
Hydrocarbons	129
Fumes/Gases/Vapors	88
Eye/Ear/Nose/Throat Preparations	81
Miscellaneous Drugs	73
Other/Unknown Nondrug Substances	66
Tobacco/Nicotine Products	65
Anticholinergic Drugs	33
Anticoagulants	33
Anesthetics	30
Narcotic Antagonists	2



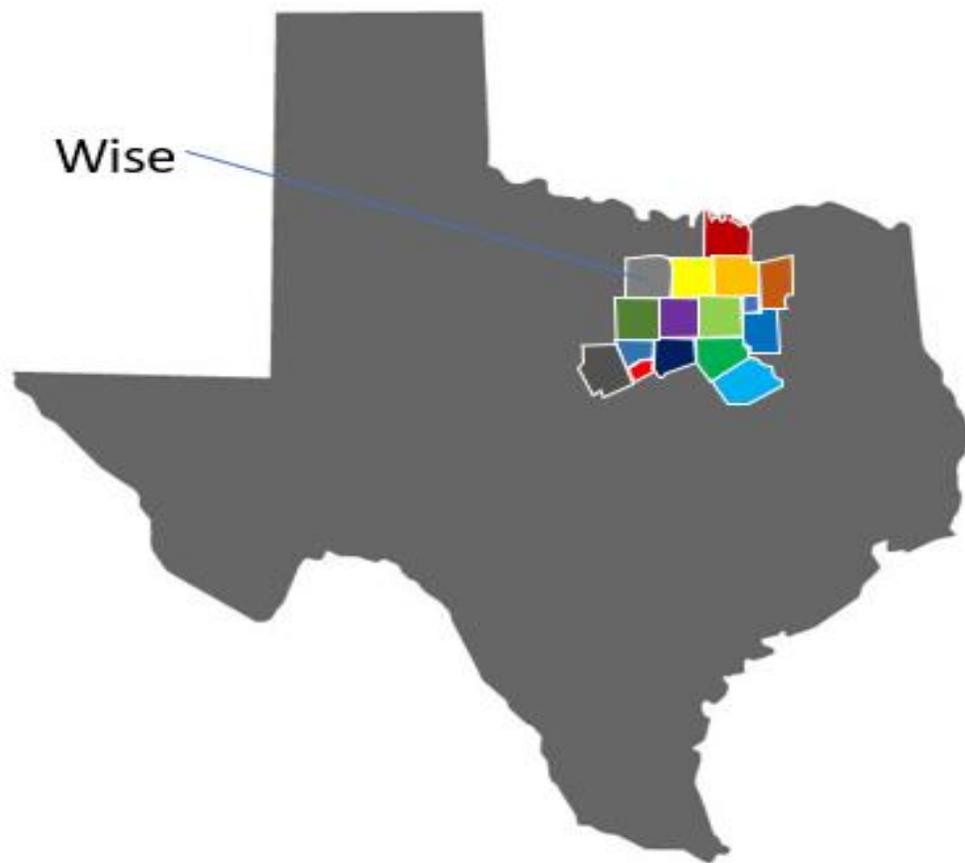
Key findings from Tarrant County

- Total cases (patient visits with substance misuse) reported in 2017: 175,463
- 84% were Outpatient visits
- 91% were discharged to home and 6% transferred to another facility/provider
- 32% were insured and 43% uninsured
- 90% Non Hispanic/Latino; 60% Whites, 28% Blacks and 10% Others
- 71% visits from the age group 26-60 years and 14% were >60 years
- After nicotine, the top abused substances were alcohol, cannabis, psychoactive & stimulants, cocaine and opioids
- OSAR data suggests the top abused substances by adults were alcohol, methamphetamine, cocaine, amphetamine, heroin, and opiates



Substance Misuse Community Needs Assessment

Wise County



Total Population: 64,937

Area: 904.4 Sq. Mile

Patients with the Higher Number of Visits

Patient	Number of Emergency Department Visits	Total Charges Filed/Patient
1	64	\$95,827
2	44	\$71,707
3	42	\$153,987
4	28	\$107,446
5	26	\$48,700
6	24	\$258,345
7	24	\$240,691
8	23	\$109,160
9	19	\$47,532
10	19	\$20,415
Total	313	\$1,153,810

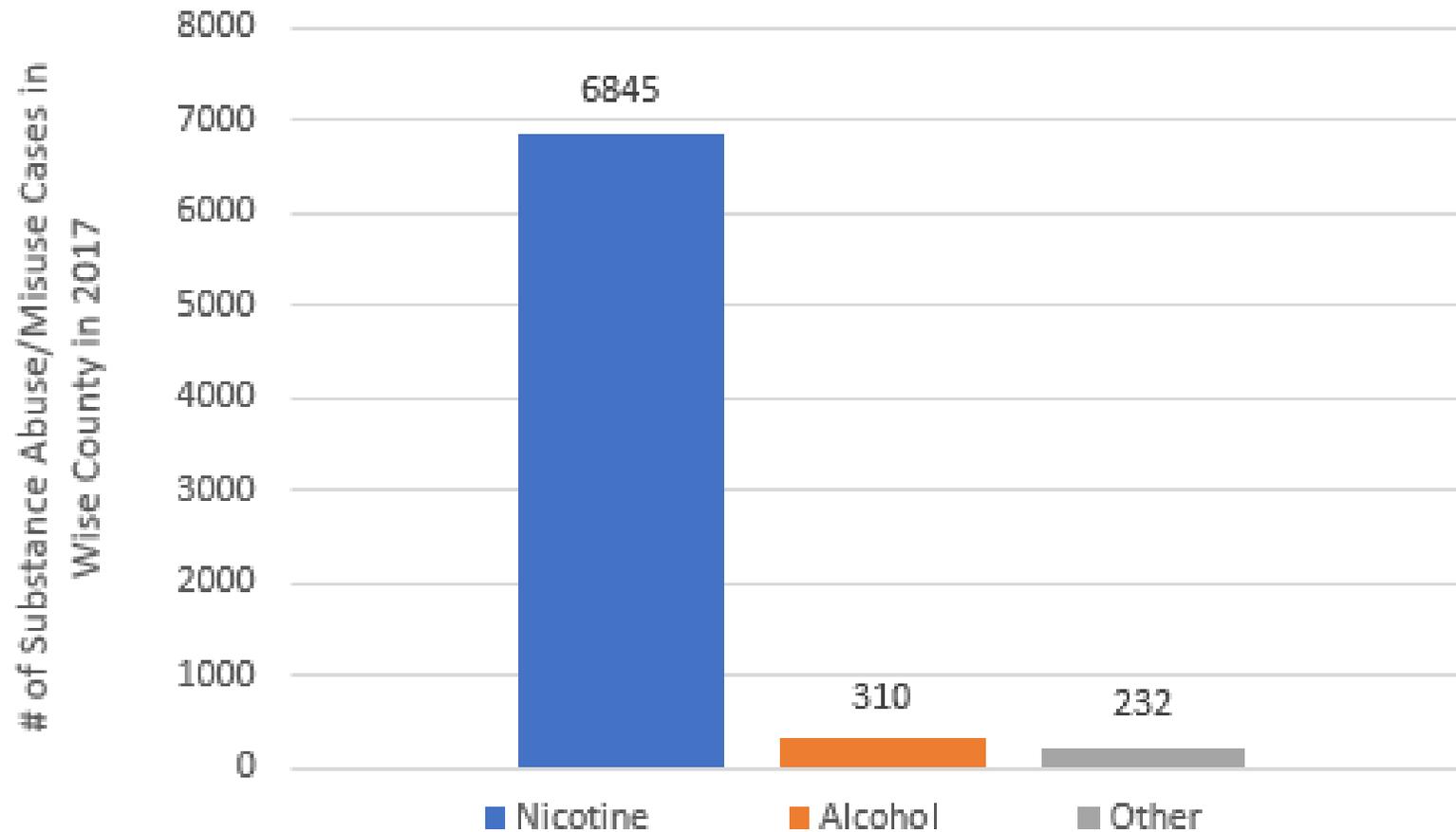
Characteristics of Patients with Substance Misuse issues in Wise County 2017

Total cases (N)			7,233	
Charges (Dollars; Average charges filed per visit)			\$15,735	
Admission Type (N,%)				
	Outpatients		5,899	81.56%
	Inpatients		1,336	18.47%
Discharge Status (N,%)				
	Discharged to Home		6,471	89.46%
	Transferred		534	7.38%
	Left Against Medical Advice		141	1.95%
	Still Patient or Expected to Return		3	0.04%
	Unknown		16	0.22%
	Expired		35	0.48%
	Hospice - home		15	0.21%
	Hospice – medical facility		18	0.25%
	Admitted as an Inpatient		1	0.01%
Medical Insurance (N, %)				
	Insured		4,286	59.26%
	Medicare		1,322	18.28%
	Medicaid		792	10.95%
	Uninsured		833	11.52%

Characteristics of Patients with Substance Misuse issues in Wise County 2017

Gender (N, %)				
	Females		3,219	44.50%
	Males		3,146	43.50%
	x		868	12.00%
Race (N, %)				
	White		6,175	85.37%
	Black		92	1.27%
	Other		957	13.23%
Ethnicity (N,%)				
	Hispanic or Latino		434	6.00%
	Not Hispanic or Latino		6,798	93.99%
Age Groups				
	< =12		2	0.03%
	13-18		169	2.34%
	19-25		721	9.97%
	26-40		2029	28.05%
	41-60		2674	36.97%
	>60		1638	22.65%

Substance Misuse in Wise County 2017

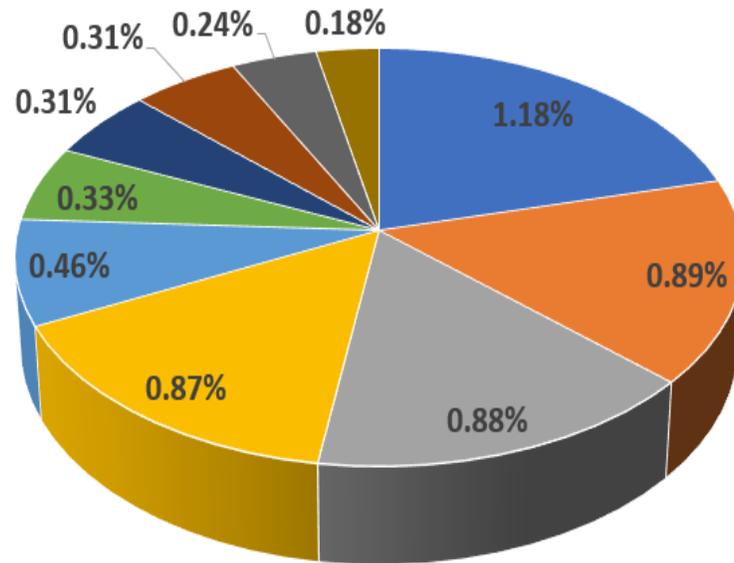


Top-10 Substance Misuses in Wise County 2017

Substance Per IC-10 Code Description	Count	%
NICOTINE DEPENDENCE, CIGARETTES, UNCOMPLICATED	5080	64.67%
NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	1294	16.47%
NICOTINE DEPENDENCE CHEWING TOBACCO UNCOMP	240	3.06%
NICOTINE DEPENDENCE OTHER TOBACCO PRODUCT UNCOMP	231	2.94%
ALCOHOL ABUSE, UNCOMPLICATED	140	1.78%
OTHER STIMULANT ABUSE, UNCOMPLICATED	93	1.18%
ALCOHOL DEPENDENCE, UNCOMPLICATED	88	1.12%
ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	82	1.04%
OPIOID DEPENDENCE, UNCOMPLICATED	70	0.89%
CANNABIS USE, UNSPECIFIED, UNCOMPLICATED	69	0.88%

Top Non-Nicotine/Alcohol Substance Misuses in Wise County 2017

% of non Nicotine/Alcohol Substance Misuse



Substance Per ICD-10 Code Description

- OTHER STIMULANT ABUSE, UNCOMPLICATED
- OPIOID DEPENDENCE, UNCOMPLICATED
- CANNABIS USE, UNSPECIFIED, UNCOMPLICATED
- CANNABIS ABUSE, UNCOMPLICATED
- OTHER PSYCHOACTIVE SUBSTANCE ABUSE UNCOMPLICATED
- CANNABIS DEPENDENCE, UNCOMPLICATED
- OTHER STIMULANT USE, UNSPECIFIED, UNCOMPLICATED
- OTHER STIMULANT DEPENDENCE, UNCOMPLICATED
- OPIOID ABUSE, UNCOMPLICATED
- SEDATIVE HYPNOTIC OR ANXIOLYTIC DEPEND UNCOMP

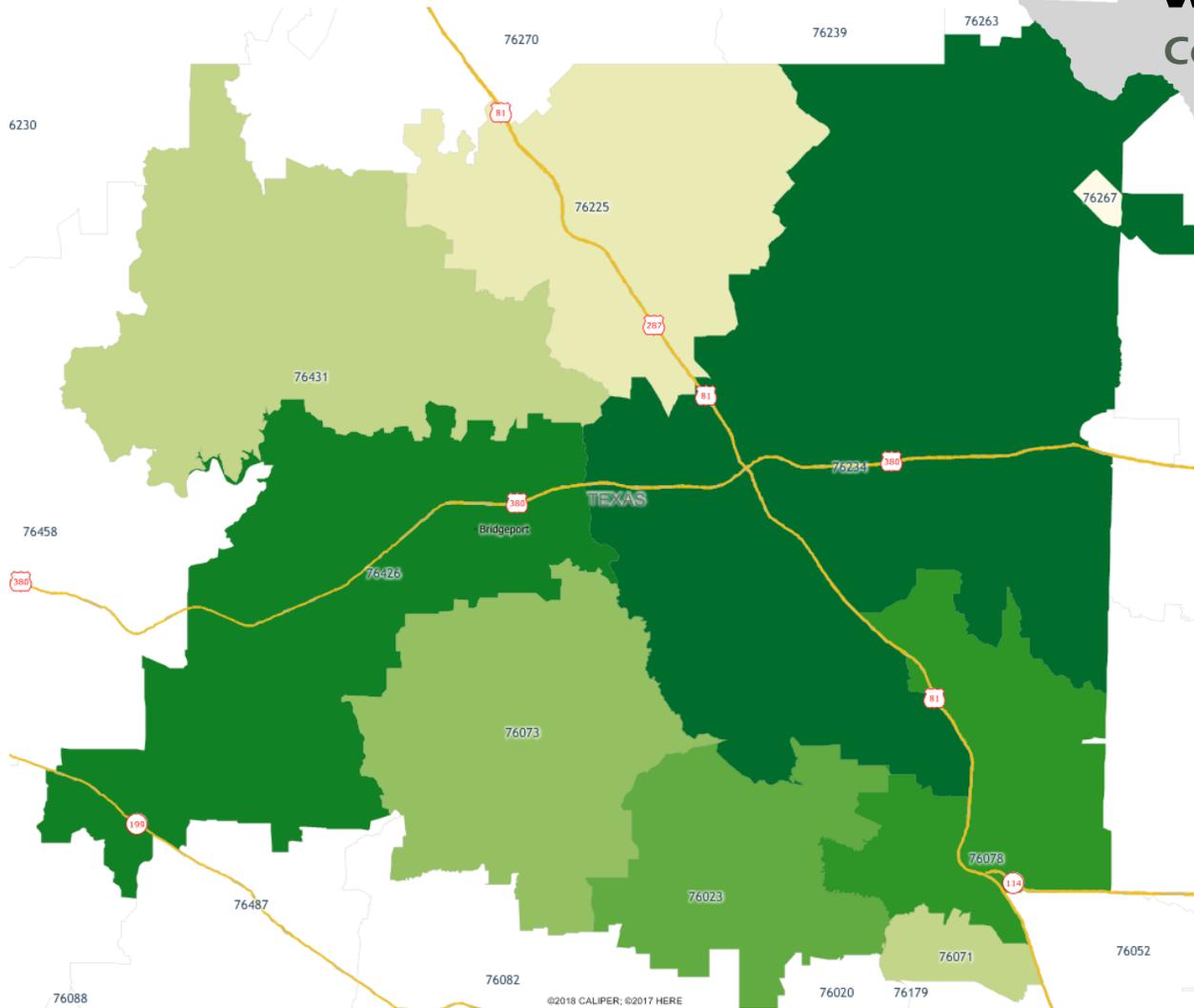
Top number of Visits/Patients per Zip Codes

Rank	Zip Code	Visits*	%	Rank	Zip Code	Patients**	%
1	76234	1494	20.66%	1	76234	882	21.32%
2	76426	1248	17.25%	2	76426	696	16.83%
3	76023	918	12.69%	3	XXXXX***	661	15.98%
4	76078	884	12.22%	4	76023	535	12.94%
5	XXXXX***	880	12.17%	5	76078	530	12.81%
6	76073	504	6.97%	6	76073	340	8.22%
7	76431	492	6.80%	7	76431	287	6.94%
8	76071	446	6.17%	8	76071	265	6.41%
9	76225	334	4.62%	9	76225	203	4.91%
10	76267	15	0.21%	10	762XX	9	0.22%

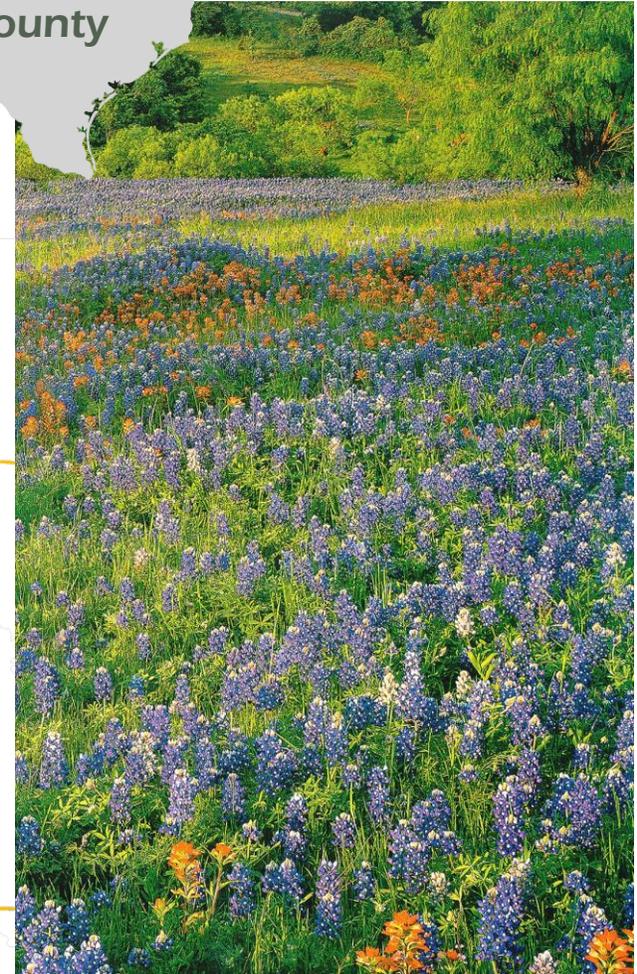
*A patient may have many visits **All of a patient's visit in 2017 is counted as one ***XXXXX - Undisclosed

Top Zip Codes

The darker the shade of green, the higher the number of residents' hospital visits.

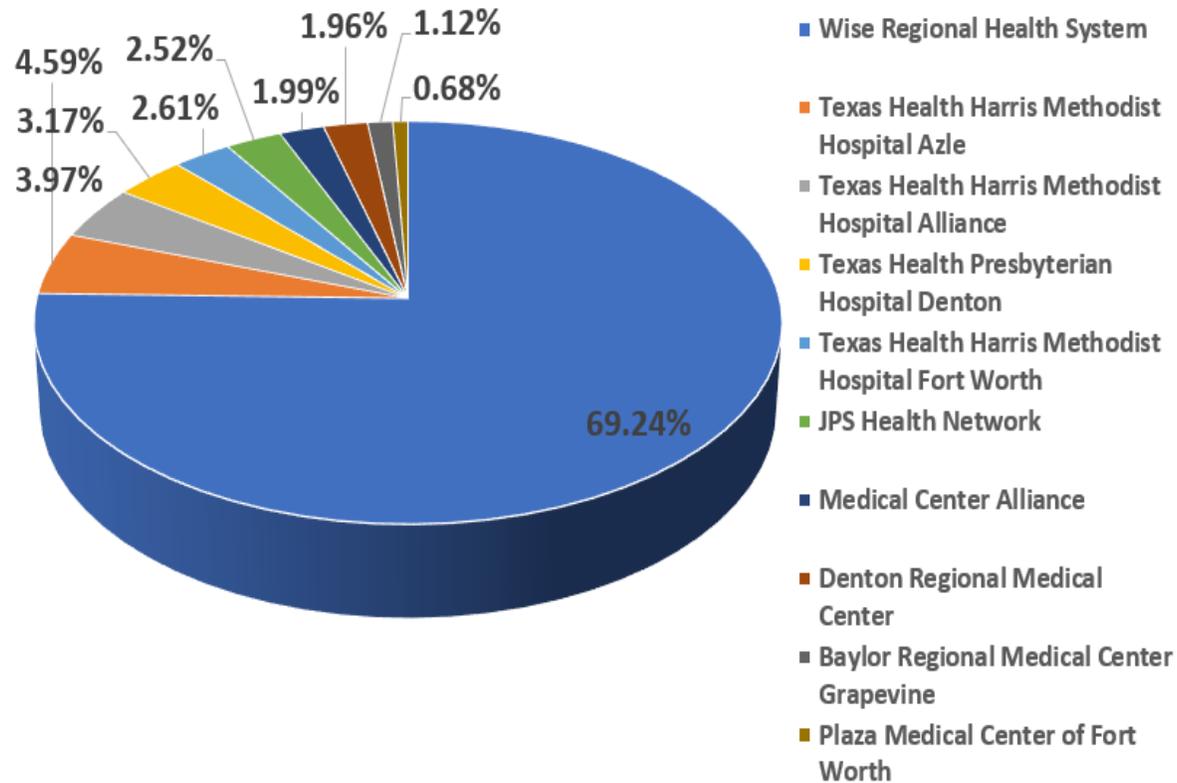


Wise
County



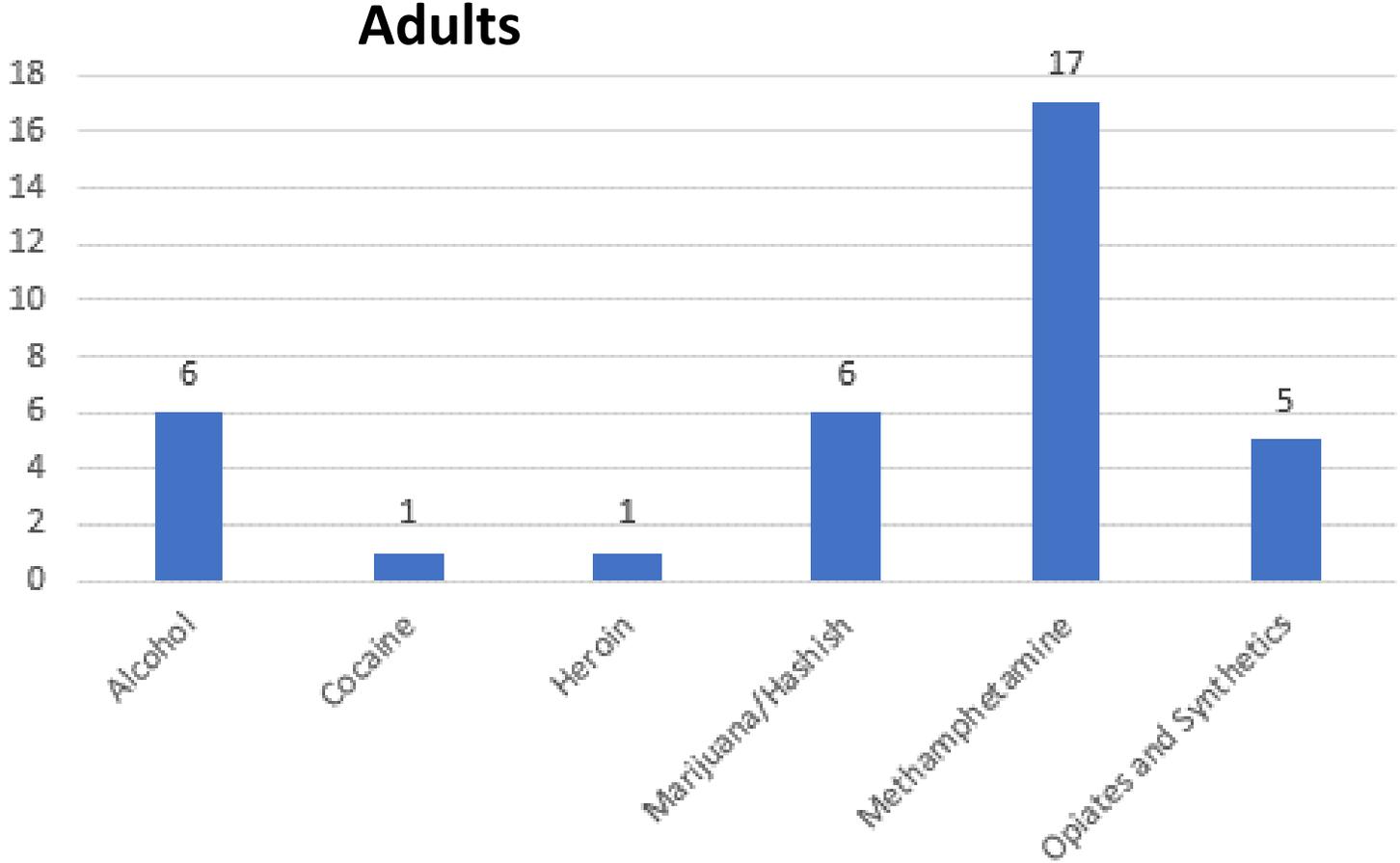
Patient Migration*

Top % of hospitals where patients seek care



*Patients seeking care outside their residential county.

Outreach, Screening, Assessment and Referral Center Data: Wise County*



Texas Poison Control Center Data 2017: Wise County

Exposure Counts: 458
Exposure per 1,000: 6.59

Top-3 exposure sites

Own residence: 303
 Schools: 1
 Workplace: 3

Age distribution

<=5 years	244
6-12 years	32
13-19 years	31
20's	31
30's	25
40's	20
50's	27
60's	15
70's	14
80's	7
Unknown age	12

Substance Category	
Analgesics	70
Cold and Cough Preparations	15
Topical Preparations	11
Antihistamines	32
Sedative/Hypnotics/Antipsychotics	29
Antidepressants	17
Cardiovascular Drugs	19
Antimicrobials	15
Gastrointestinal Preparations	11
Vitamins	11
Alcohols	7
Dietary Supplements/Herbals/Homeopathic	17
Hormones and Hormone Antagonists	7
Anticonvulsants	10
Stimulants and Street Drugs	7
Asthma Therapies	5
Muscle Relaxants	8
Fumes/Gases/Vapors	3
Essential Oils	4
Miscellaneous Drugs	5
Eye/Ear/Nose/Throat Preparations	4



Key findings from Wise County

- Total cases (patient visits with substance misuse) reported in 2017: 7,233
- 82% were outpatient visits
- 89% were discharged to home and 7% transferred to another facility/provider
- 59% were insured, 12% uninsured and 18% Medicare patients
- 94% Non Hispanic/Latino; 85% Whites, and 13% Others
- 88% visits from the age group 26-60 years
- After nicotine, the top abused substances were alcohol, cannabis, opiates and Sedative Hypnotic
- OSAR data for adults suggest the top abused substances are alcohol, methamphetamine, marijuana, cocaine and opiates



Common characteristics of patients with substance misuse issues in 16 North Texas counties in 2017

- 60-70% were from the age group of 26-60 years and 15-20% were > 60 years
- Insured patients ranged from 26% in Dallas County to 45% in Collin County
- Uninsured patients ranged from 35% in Collin and Hunt Counties, 43% in Tarrant County and 48% in Dallas County
- Visits by Non-Hispanic/Latino were 83% in Dallas County up to 99% in Hunt County
- Visits by Caucasians averaged 70% - 90% in North Texas. It was 47% in Dallas County and 60% in Tarrant County
- There were no differences observed based on gender
- Substances misused differed according to age with marijuana and alcohol popular with youth; nicotine, alcohol, methamphetamine, cocaine, heroin and opiates with adults



Substance Misuse disorder utilization based on Aetna data (2017)

North Texas County	Visits
COLLIN	2,168
DALLAS	12,495
DENTON	2,623
ELLIS	322
ERATH	376
GRAYSON	275
HOOD	6
HUNT	60
JOHNSON	1,673
KAUFMAN	1,217
NAVARRO	9
PARKER	15
ROCKWALL	34
SOMERVELL	1
TARRANT	5,314
WISE	60
Grand Total	26,648

Top-10 diagnosis	Diagnosis Description	Visits
F11.20	OPIOID DEPENDENCE, UNCOMPLICATED	12,094
F15.20	OTHER STIMULANT DEPENDENCE, UNCOMPLICATED	2,764
F12.20	CANNABIS DEPENDENCE, UNCOMPLICATED	2,499
F13.20	SEDATIVE, HYPNOTIC OR ANXIOLYTIC DEPENDENCE, UNCOMPLICATED	1,929
F14.20	COCAINE DEPENDENCE, UNCOMPLICATED	1,329
F12.10	CANNABIS ABUSE, UNCOMPLICATED	891
F17.200	NICOTINE DEPENDENCE, UNSPECIFIED, UNCOMPLICATED	657
F11.21	OPIOID DEPENDENCE, IN REMISSION	596
F11.23	OPIOID DEPENDENCE WITH WITHDRAWAL	588
F11.10	OPIOID ABUSE, UNCOMPLICATED	499

Substance Misuse disorder utilization based on Aetna data (2017)

SUD	COUNTY	Counts
Cannabis disorders	COLLIN	447
	DALLAS	1611
	DENTON	335
	JOHNSON	368
	KAUFMAN	36
	TARRANT	792
Cocaine disorders	COLLIN	246
	DALLAS	629
	DENTON	225
	KAUFMAN	36
	TARRANT	322
Hallucinogen disorders	DALLAS	55
	TARRANT	25
	None	None
Nicotine dependence	COLLIN	97
	DALLAS	439
	DENTON	74
	JOHNSON	160
	TARRANT	373
	WISE	45

SUD	COUNTY	Counts
Opioid disorders	COLLIN	798
	DALLAS	7393
	DENTON	1400
	ELLIS	264
	ERATH	160
	GRAYSON	193
	JOHNSON	760
	KAUFMAN	634
	TARRANT	2787
	None	None
Other stimulant disorders	COLLIN	328
	DALLAS	1599
	DENTON	460
	JOHNSON	271
	KAUFMAN	143
	TARRANT	528
Sedative, hypnotic or anxiolytic disorders	COLLIN	244
	DALLAS	766
	DENTON	101
	ERATH	158
	JOHNSON	75
	KAUFMAN	356
	TARRANT	487

Suggested Strategies

- **Understanding the characteristics of individuals with substance misuse issues**
- **Identifying specific substance misuse disparities within county zip codes**
- **Developing local partnerships to address issues related to the most common misused substances**
- **Promoting education and raising awareness for prevention and support services**
- **Establishing partnerships among counties to address common challenges**
- **Discuss social determinants of health, healthcare access, resource shortages, emerging substances within the counties**
- **Collaborating on joint funding and policy efforts**



Thank you!



**Working
together, we
can make a
difference!**

Citation and Copyright

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