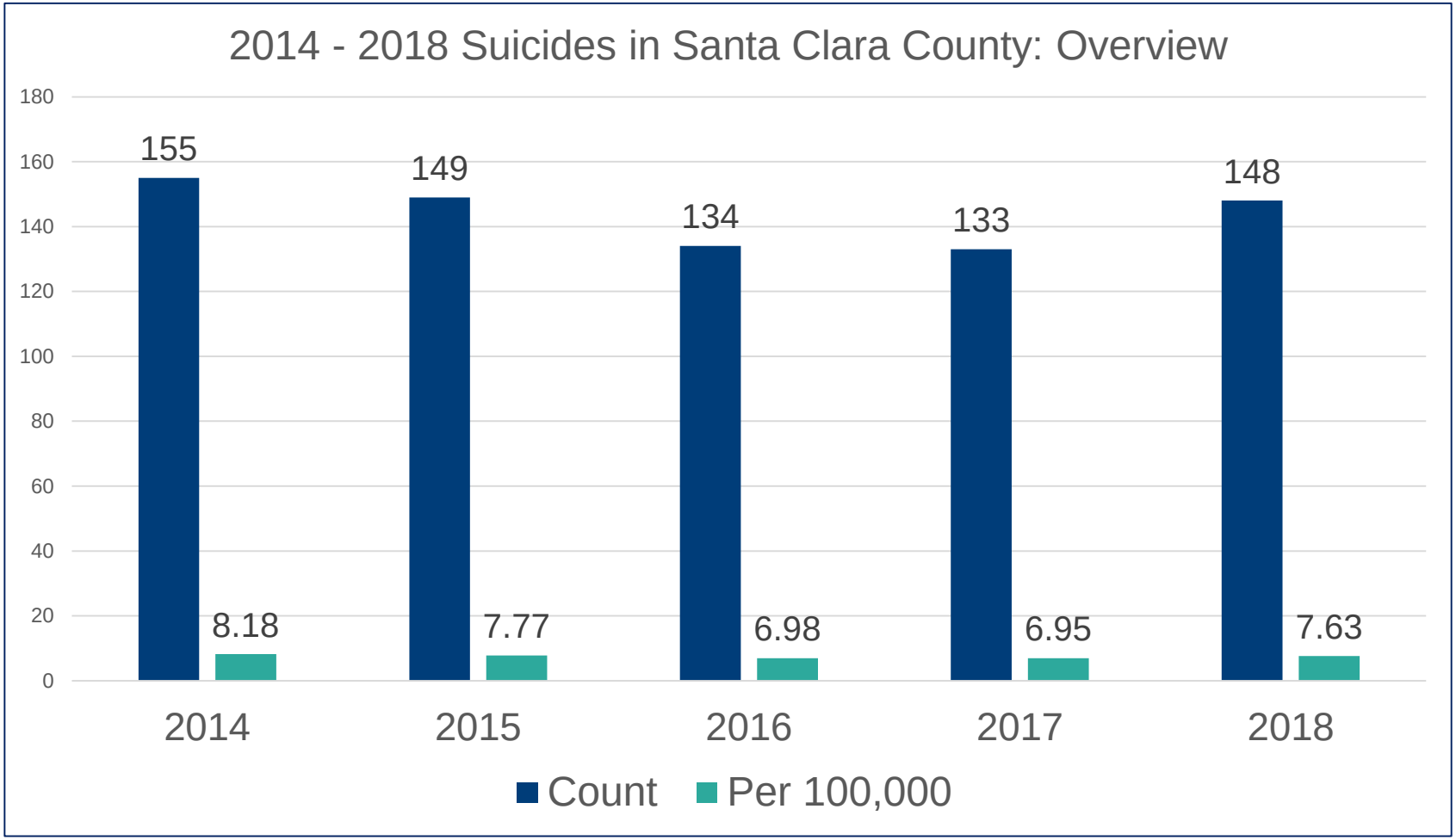
SANTA CLARA COUNTY
Behavioral Health Services

Suicide Prevention Oversight Committee
2018 Medical Examiner Data Analysis

Overall Suicide Rates



Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates
Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates
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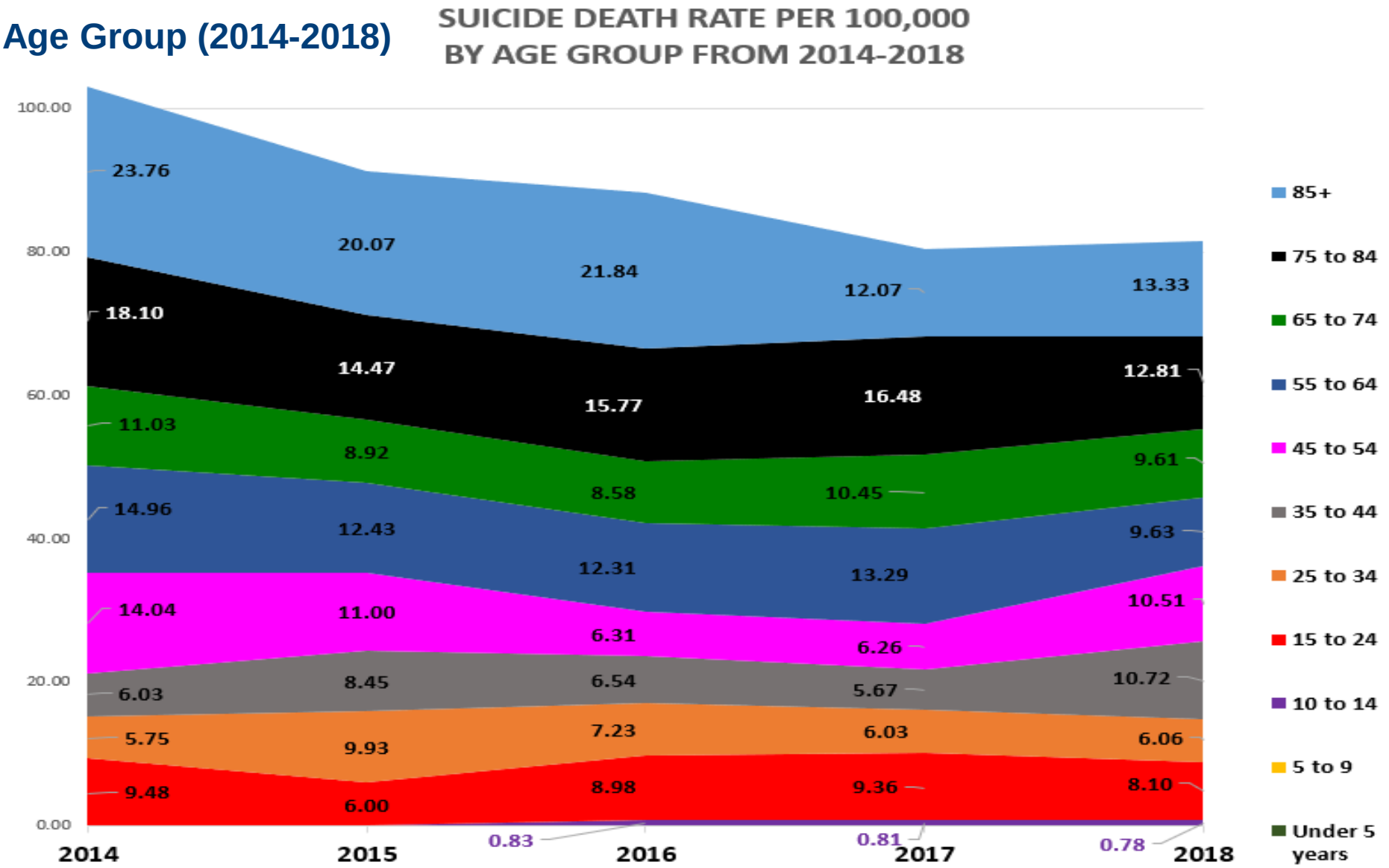
Source: U.S. Census Bureau, 2009-2013 5-Year American Community Survey

SANTA CLARA COUNTY
Behavioral Health Services

Analysis by Demographics

Age Group (2014-2018)



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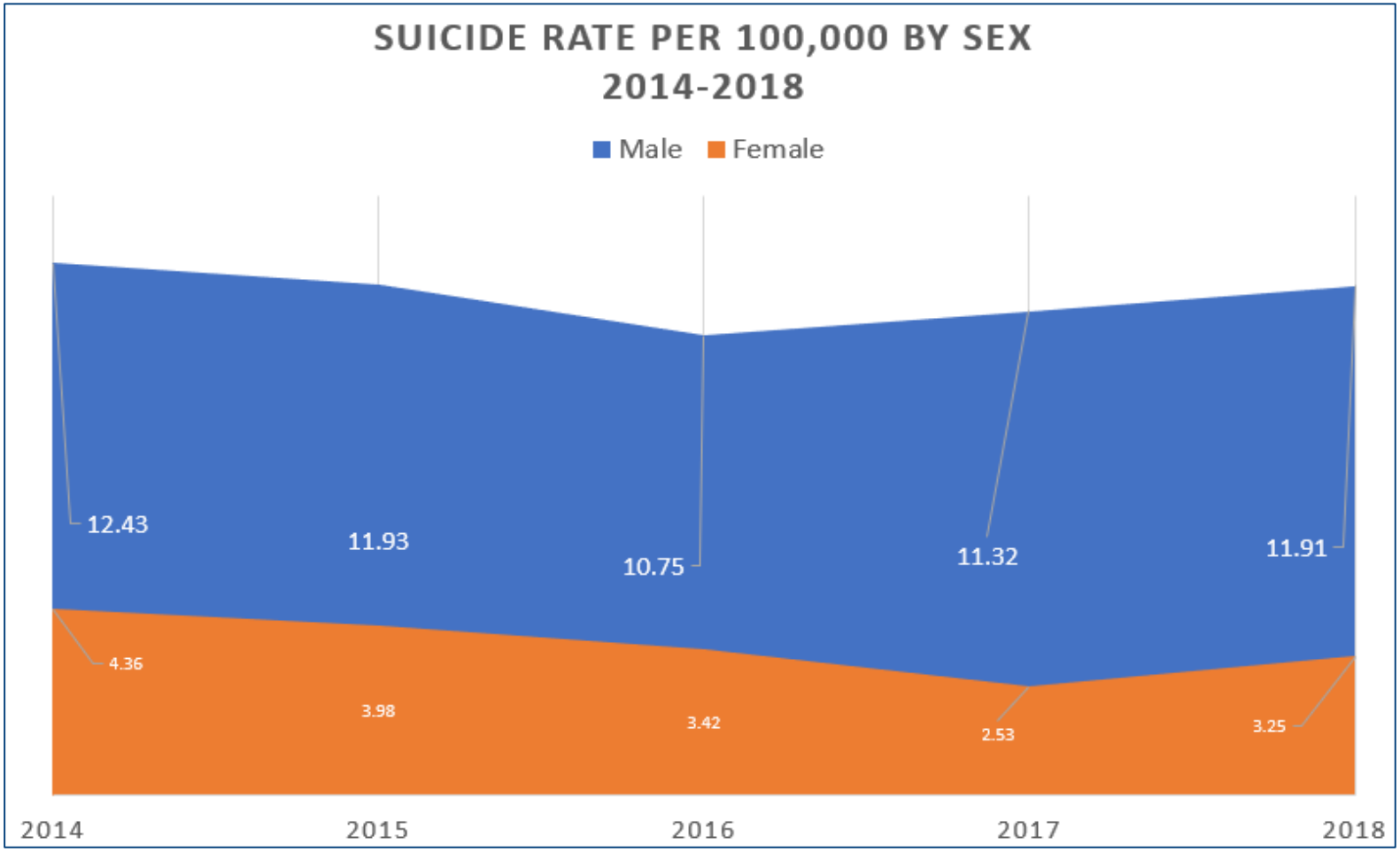
SANTA CLARA COUNTY
Behavioral Health Services

Sex at Birth (2014-2018)

Sex	Frequency	Population Total	Per 100,000
Male	117	982,419	11.91
Female	31	955,151	3.25

2018 Sample



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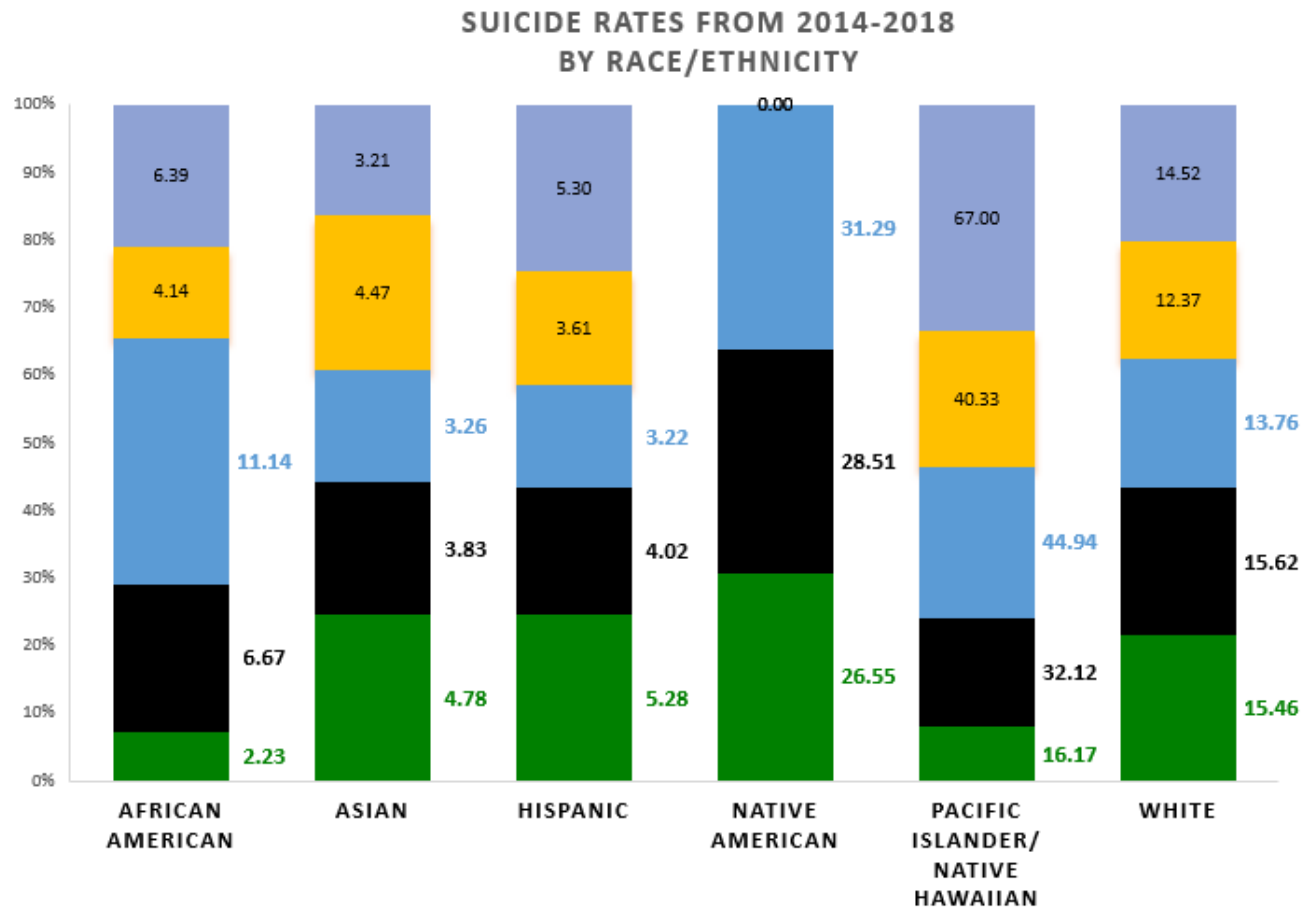
SANTA CLARA COUNTY
Behavioral Health Services

Race/Ethnicity (2014-2018)



*Decedents who were categorized as "Unknown" and "Other/Multiple Races" are not included in this graph, as the count for the past 5 years was too low.

Total:	14	127	106	3	13	445

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates
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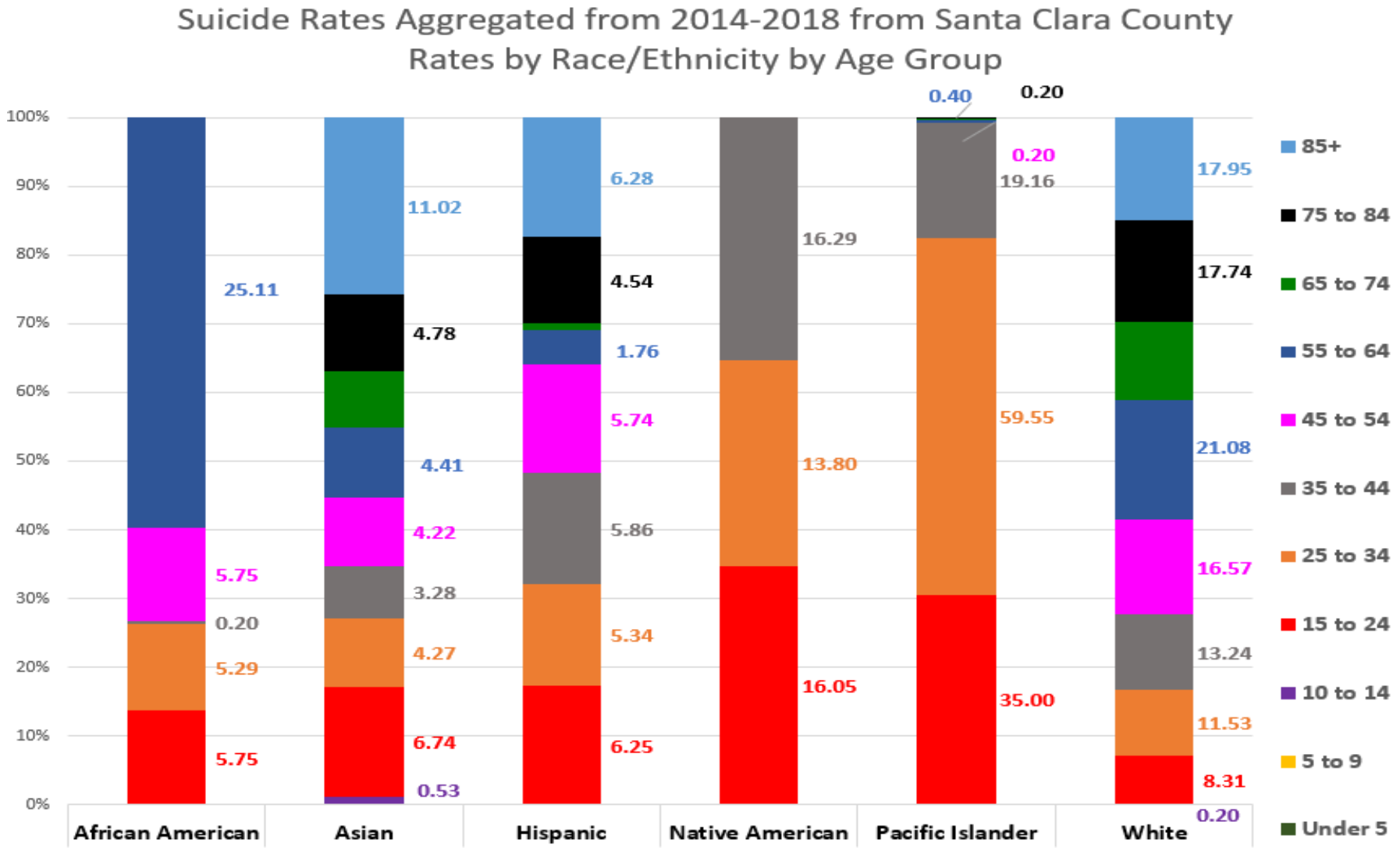
Race/Ethnicity by Age Group (2014-2018)



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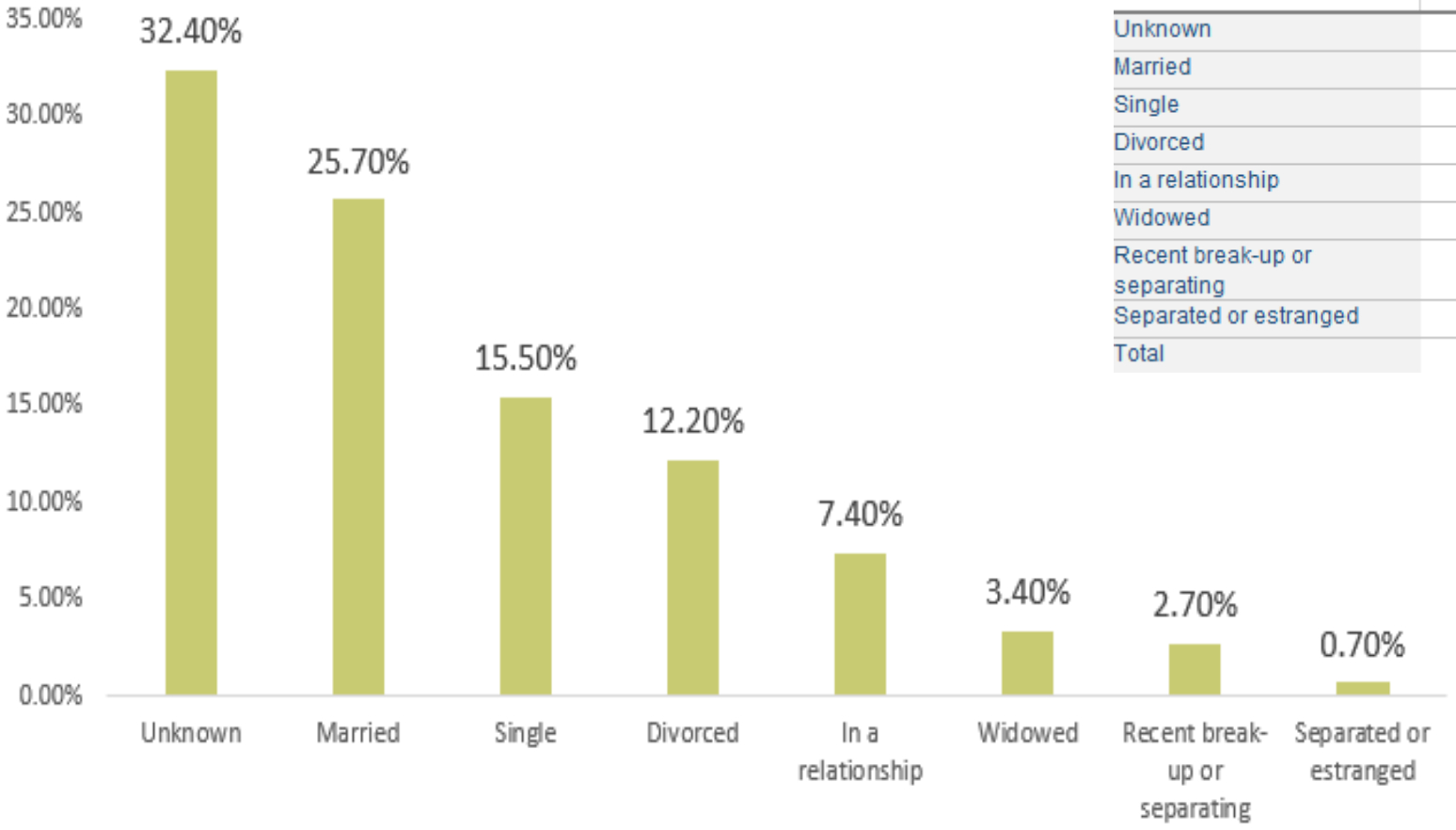
SANTA CLARA COUNTY
Behavioral Health Services

Marital Status (2018 data)

Marital status of decedents are listed. It should be noted that the actual personal status and quality of the relationships are not fully known, as data was gathered by the coroner through collateral information.



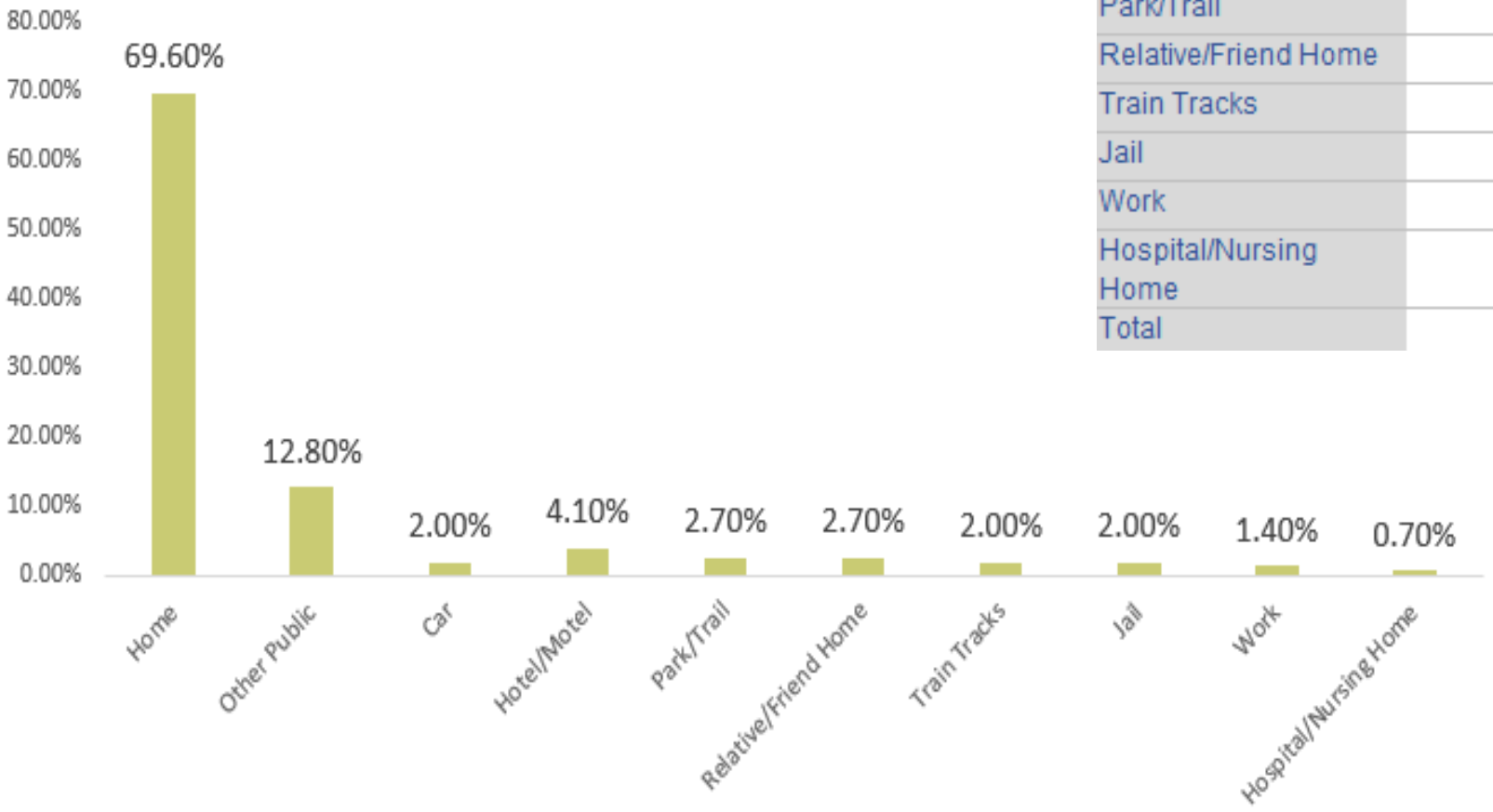
Marital Status	Frequency
Unknown	48
Married	38
Single	23
Divorced	18
In a relationship	11
Widowed	5
Recent break-up or separating	4
Separated or estranged	1
Total	148

Analysis by Characteristics of the Suicide Death

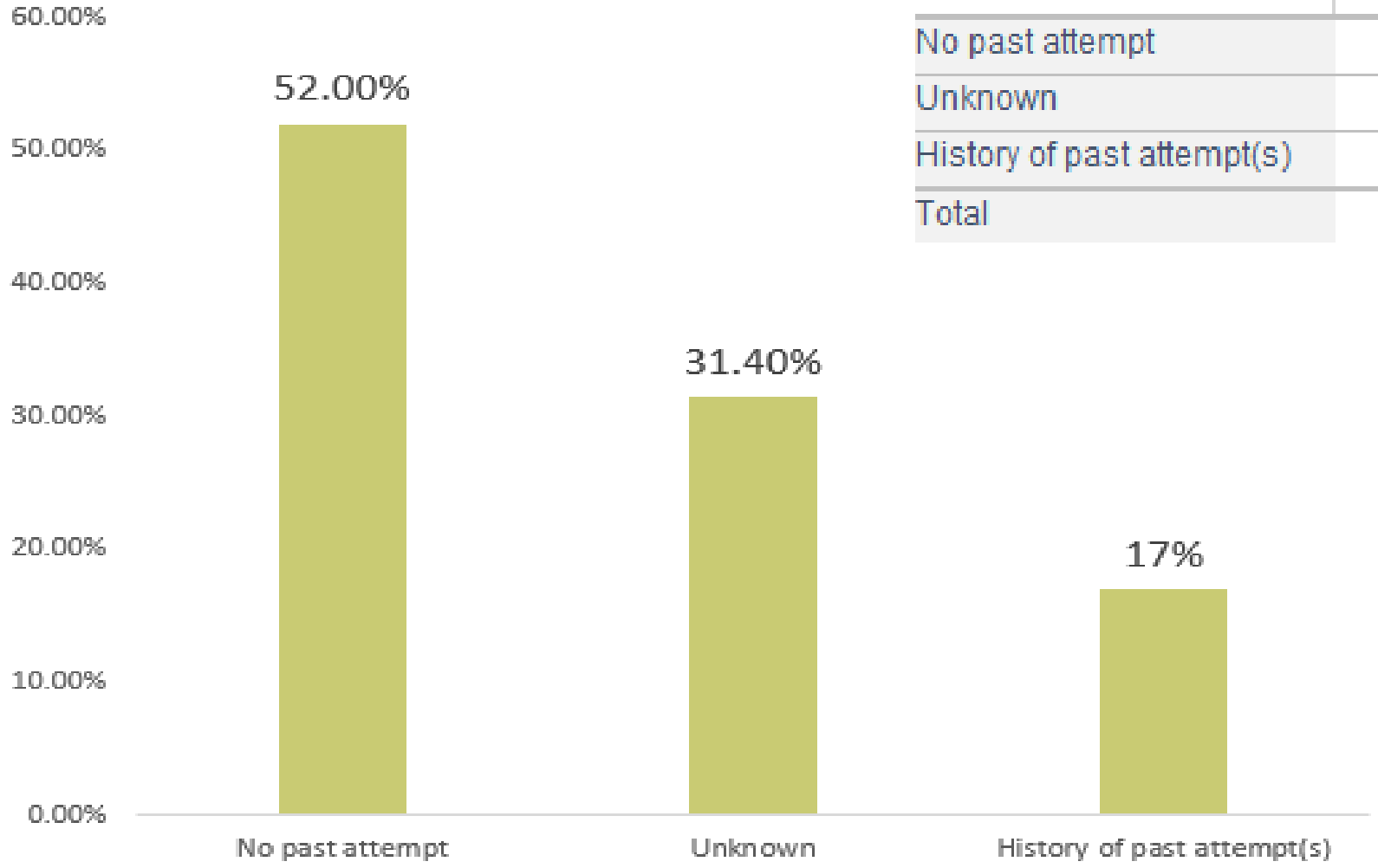
Suicide Location (2018 data)

The suicide location is the place in which the decedent had their fatal suicide attempt. While in most cases the suicide location is the same as the death location, in some cases, the death location does not correspond to the suicide location (e.g. dying at the hospital).

	Frequency
Home	103
Other Public	19
Car	3
Hotel/Motel	6
Park/Trail	4
Relative/Friend Home	4
Train Tracks	3
Jail	3
Work	2
Hospital/Nursing Home	1
Total	148



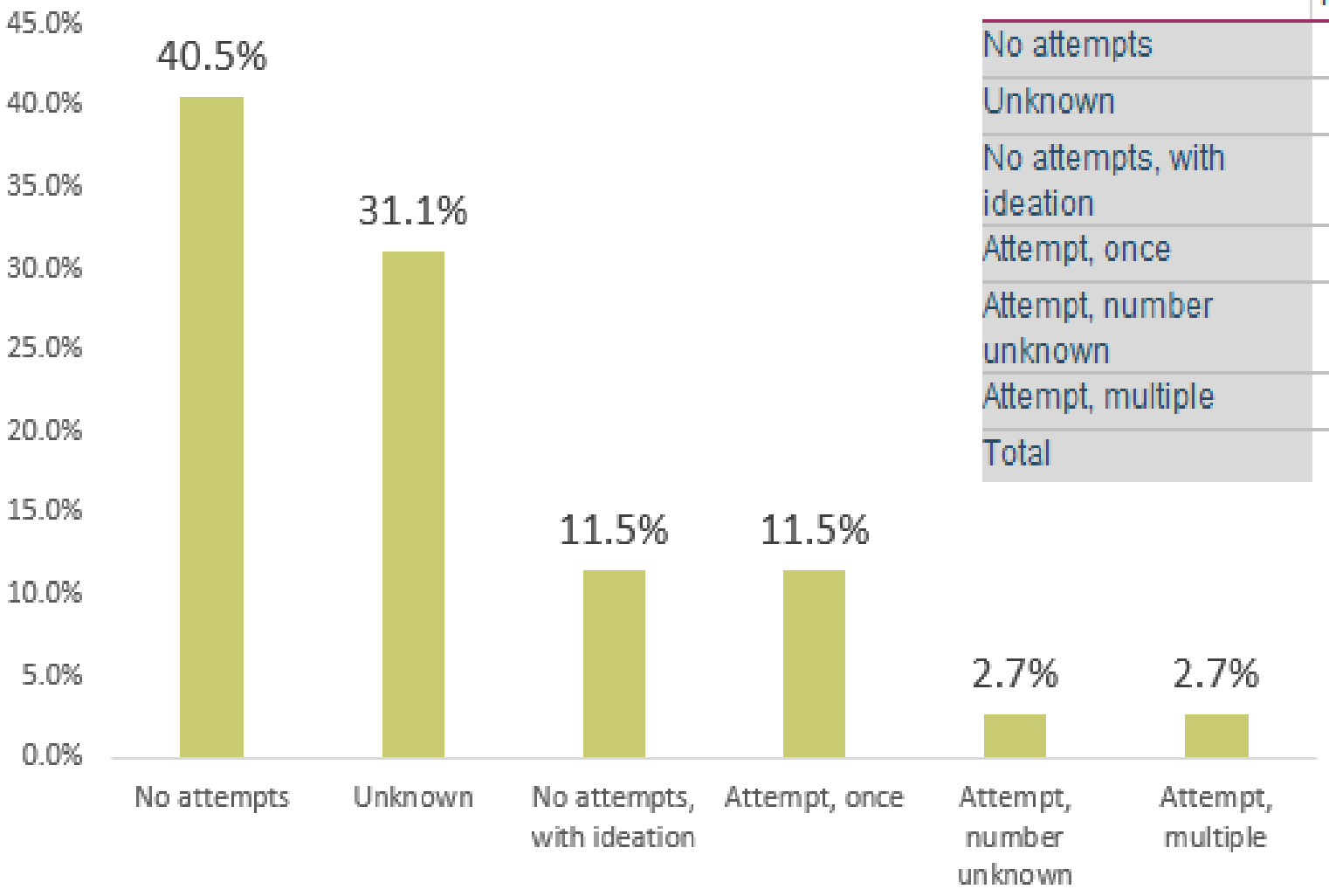
Past Suicide Attempts (2018 data) - Overview



	Frequency
No past attempt	77
Unknown	46
History of past attempt(s)	25
Total	148

SANTA CLARA COUNTY
Behavioral Health Services

Past Suicide Attempts (2018 data) - Breakdown of Past Attempts

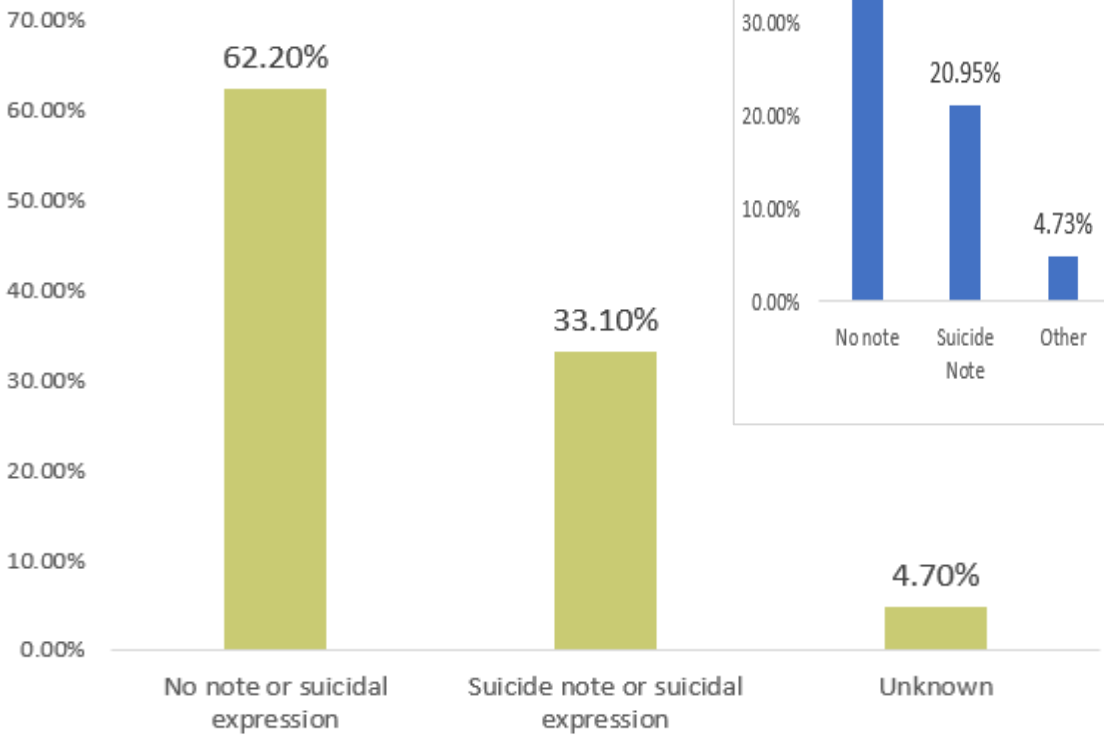


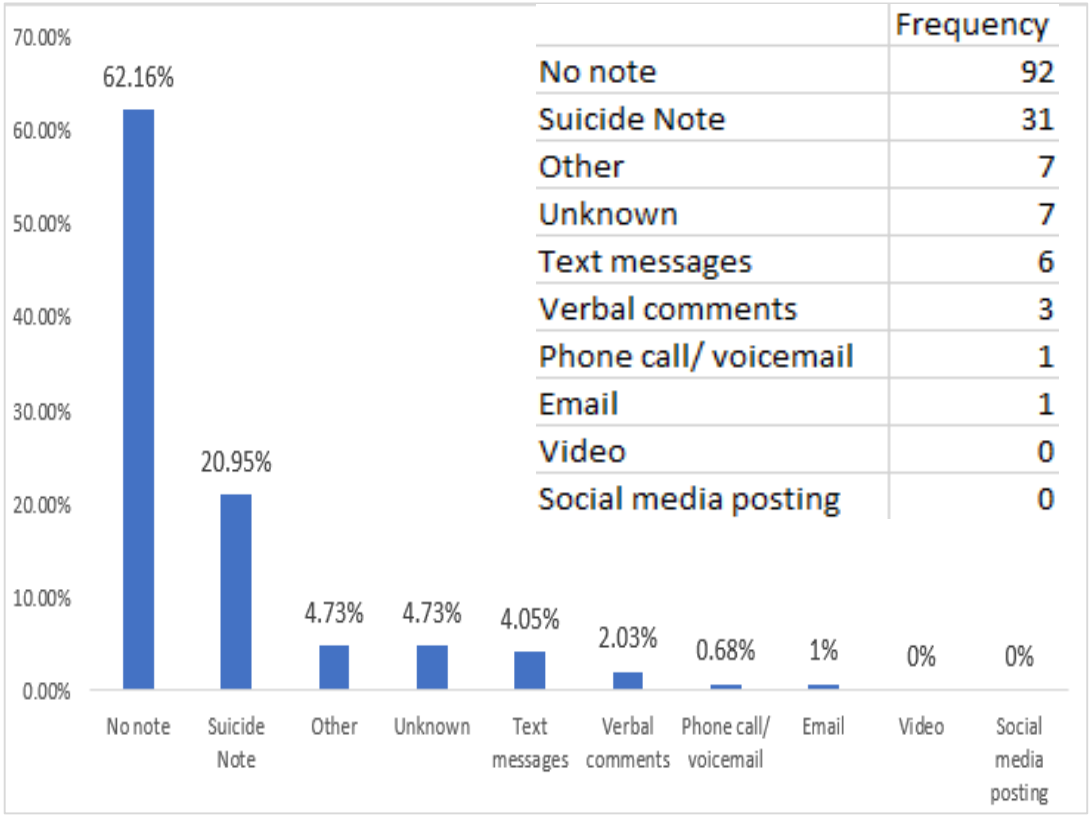
	Frequency
No attempts	60
Unknown	46
No attempts, with ideation	17
Attempt, once	17
Attempt, number unknown	4
Attempt, multiple	4
Total	148

SANTA CLARA COUNTY
Behavioral Health Services

Suicide Communication/Notes (2018 data)

Suicide Note Condensed	Frequency
No note or suicidal expression	92
Suicide note or suicidal expression	49
Unknown	7
Total	148





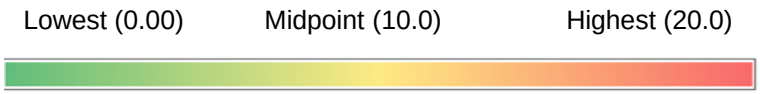
	Frequency
No note	92
Suicide Note	31
Other	7
Unknown	7
Text messages	6
Verbal comments	3
Phone call/ voicemail	1
Email	1
Video	0
Social media posting	0

SANTA CLARA COUNTY
Behavioral Health Services

Analysis by Suicide Decedents' City of Residence

City of Residence (2012-2015, 2018)

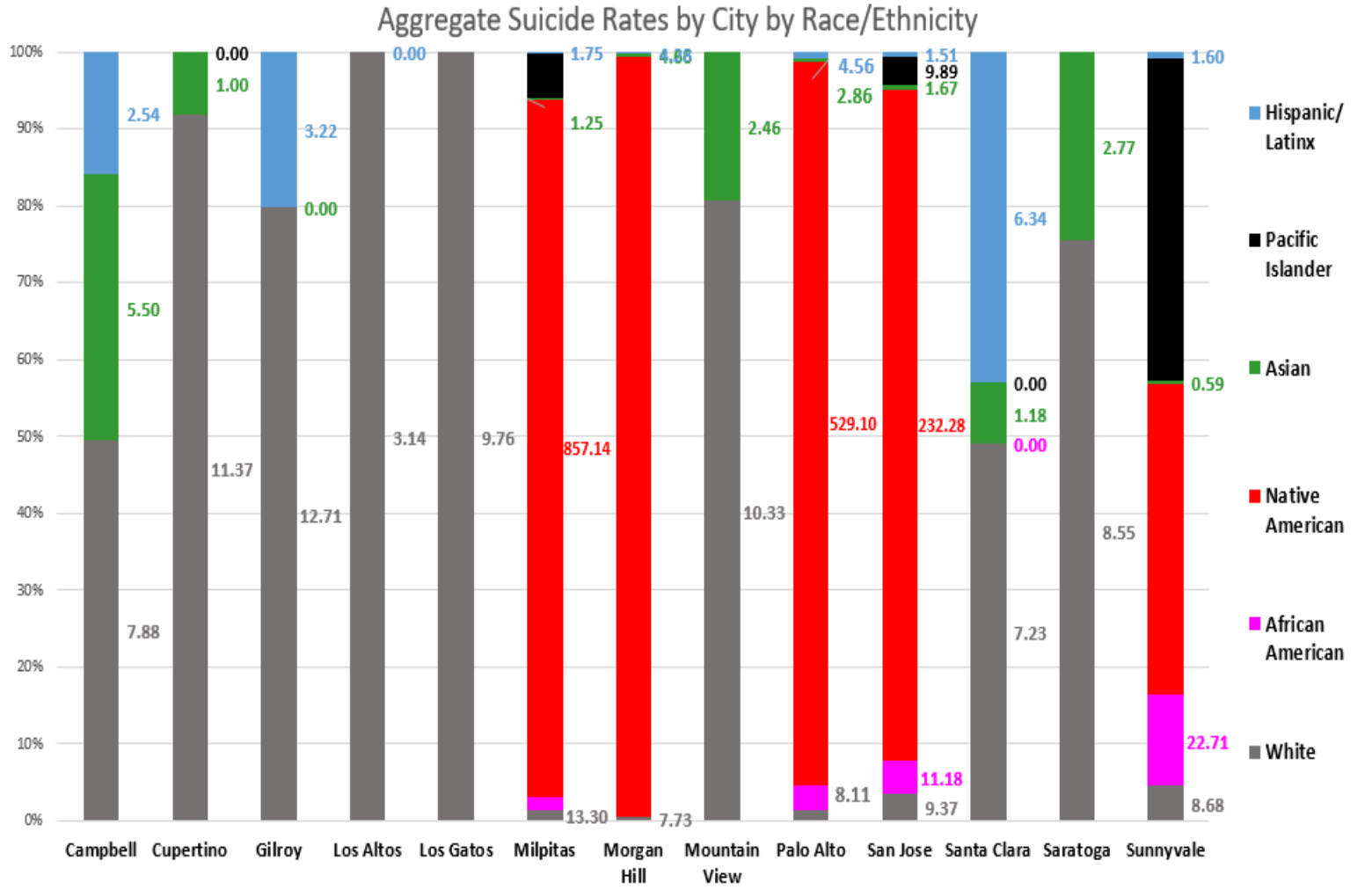
	Death Rate per 100,000				
	Year				
City	2012	2013	2014	2015	2018
Campbell	7.60	20.07	14.88	9.83	4.71
Cupertino	8.56	5.08	5.02	4.99	0.00
Gilroy	6.14	14.07	5.91	11.62	8.51
Los Altos	13.73	6.81	3.36	0.00	5.12
Los Gatos	10.16	13.42	13.26	16.45	6.52
Milpitas	2.99	8.86	8.65	5.59	7.46
Monte Sereno	0.00	0.00	0.00	0.00	0.00
Morgan Hill	13.15	10.30	5.02	14.68	13.29
Mountain View	4.03	6.62	14.33	3.85	8.40
Palo Alto	12.40	13.80	9.09	15.04	7.50
San Jose	6.18	6.71	7.40	6.59	7.86
Santa Clara	10.32	5.94	11.71	6.59	4.63
Saratoga	9.98	6.59	6.53	6.49	13.07
Sunnyvale	12.05	9.07	6.85	6.75	7.18



Data for years 2016 and 2017 had various City of Residence labeled as “unknown” and therefore could not be reported on the heath map.

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates
Source: U.S. Census Bureau, 2011-2015 American Community Survey 5-Year Estimates
Source: U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates
Source: U.S. Census Bureau, 2009-2013 5-Year American Community Survey
Source: U.S. Census Bureau, 2008-2012 American Community Survey

City of Residence by Race/Ethnicity (2014-2018)



Data for years 2016 and 2017 had various City of Residence labeled as "unknown" and had to be reported as zero in the aggregate counts. Therefore, making it look like suicide rates decreased for each city by race/ethnicity.

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates
Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates
Source: U.S. Census Bureau, 2012-2016 American Community Survey 5-Year Estimates
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SANTA CLARA COUNTY
Behavioral Health Services

City of Residence by Age Group (1)

		10 to 14	15 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 to 74	75 to 84	85+
Campbell										
	2012	0.00	0.00	0.00	32.15	0.00	24.84	0.00	0.00	0.00
	2013	0.00	62.85	0.00	0.00	15.30	48.34	0.00	65.49	128.70
	2014	0.00	41.60	13.92	0.00	31.14	0.00	48.03	0.00	0.00
	2015	0.00	0.00	0.00	14.96	16.06	39.80	0.00	0.00	0.00
	2018	0.00	0.00	14.13	0.00	0.00	0.00	0.00	0.00	111.11
Cupertino										
	2012	0.00	0.00	0.00	0.00	9.54	16.54	27.08	84.50	0.00
	2013	0.00	0.00	0.00	9.30	0.00	16.53	26.55	0.00	0.00
	2014	0.00	0.00	0.00	0.00	9.43	31.93	0.00	0.00	0.00
	2015	0.00	16.64	0.00	0.00	18.75	0.00	0.00	0.00	0.00
	2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gilroy										
	2012	0.00	0.00	14.70	0.00	15.14	20.70	0.00	0.00	0.00
	2013	0.00	28.40	14.38	13.80	0.00	40.11	39.03	0.00	0.00
	2014	0.00	0.00	0.00	0.00	14.31	37.54	0.00	0.00	0.00
	2015	0.00	12.88	0.00	26.13	43.72	0.00	0.00	0.00	0.00
	2018	0.00	0.00	0.00	12.48	13.02	17.23	28.30	54.41	0.00
Los Altos										
	2012	0.00	46.77	0.00	24.02	18.76	24.24	0.00	0.00	0.00
	2013	0.00	0.00	0.00	0.00	18.67	0.00	34.97	0.00	0.00
	2014	0.00	0.00	0.00	24.79	0.00	0.00	0.00	0.00	0.00
	2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2018	0.00	0.00	0.00	0.00	19.55	0.00	0.00	0.00	95.15
Los Gatos										
	2012	0.00	43.61	0.00	0.00	20.57	27.40	0.00	0.00	0.00
	2013	0.00	0.00	38.27	0.00	0.00	0.00	34.07	48.95	133.51
	2014	0.00	0.00	0.00	0.00	0.00	0.00	33.04	93.72	136.43
	2015	0.00	0.00	0.00	24.71	36.90	22.11	0.00	49.75	0.00
	2018	0.00	36.63	0.00	0.00	17.97	0.00	0.00	0.00	0.00

Chart Area

Lowest to Highest

* These heat maps only show patterns of change of suicide rates of each city, independent of the other cities. The minimum and maximum values of each set of city data are different.

*Data for years 2016 and 2017 had various City of Residence labeled as “unknown” and therefore could not be reported on the heath map.

First decedent younger than 15 years old from 2012-2018 reported in 2018.

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates
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City of Residence by Age Group (2)

		10 to 14	15 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 to 74	75 to 84	85+
Milpitas										
	2012	0.00	12.76	0.00	0.00	0.00	13.45	0.00	0.00	0.00
	2013	0.00	12.22	9.42	0.00	19.20	12.58	0.00	45.72	0.00
	2014	0.00	12.77	0.00	0.00	9.46	11.82	46.01	41.77	0.00
	2015	0.00	0.00	8.67	8.89	9.04	0.00	21.71	0.00	0.00
	2018	0.00	13.70	13.50	0.00	0.00	10.20	37.80	0.00	0.00
Monte Sereno										
	2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Morgan Hill										
	2012	0.00	0.00	23.54	17.15	31.13	0.00	0.00	0.00	0.00
	2013	0.00	0.00	22.77	0.00	15.30	0.00	0.00	91.24	232.56
	2014	0.00	0.00	0.00	0.00	15.43	21.37	0.00	0.00	0.00
	2015	0.00	17.91	22.90	16.67	15.61	38.50	0.00	0.00	0.00
	2018	0.00	19.11	0.00	0.00	46.77	0.00	28.02	71.79	0.00
Mountain View										
	2012	0.00	13.31	0.00	0.00	9.99	0.00	0.00	0.00	79.68
	2013	0.00	0.00	0.00	7.45	10.00	12.89	45.34	0.00	0.00
	2014	0.00	13.49	6.38	7.48	9.37	52.23	21.31	0.00	162.60
	2015	0.00	0.00	6.02	7.91	9.13	0.00	0.00	0.00	0.00
	2018	0.00	13.61	5.31	6.90	18.93	13.49	0.00	0.00	58.00
Palo Alto										
	2012	0.00	16.52	0.00	10.96	10.01	39.38	0.00	29.24	49.38
	2013	0.00	31.78	0.00	11.20	19.72	12.76	17.80	59.61	0.00
	2014	0.00	60.60	0.00	0.00	0.00	0.00	17.41	0.00	48.19
	2015	0.00	43.04	12.09	0.00	9.87	40.03	34.24	0.00	0.00
	2018	0.00	0.00	0.00	21.96	0.00	22.63	0.00	0.00	46.77

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City of Residence by Age Group (3)

		10 to 14	15 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 to 74	75 to 84	85+
San Jose										
	2012	0.00	5.49	5.42	8.02	7.34	9.29	14.75	12.77	8.11
	2013	0.00	7.79	8.77	7.95	8.65	10.85	1.75	12.44	15.35
	2014	0.00	7.76	5.34	5.24	15.52	12.32	8.22	17.95	7.46
	2015	0.00	3.10	11.11	5.26	8.37	10.89	9.39	11.51	21.70
	2018	1.51	8.53	8.04	11.70	8.47	9.89	7.78	17.52	5.90
Santa Clara										
	2012	0.00	6.39	14.03	19.58	13.43	9.83	0.00	0.00	0.00
	2013	0.00	0.00	4.70	0.00	6.57	38.52	17.98	0.00	0.00
	2014	0.00	6.08	13.49	19.97	13.18	18.73	16.38	0.00	54.61
	2015	0.00	6.10	0.00	9.85	6.63	17.84	0.00	27.31	51.65
	2018	0.00	5.56	0.00	21.89	6.92	0.00	0.00	0.00	0.00
Saratoga										
	2012	0.00	0.00	0.00	0.00	33.20	0.00	33.56	0.00	0.00
	2013	0.00	0.00	0.00	0.00	0.00	21.30	32.48	0.00	0.00
	2014	0.00	0.00	0.00	0.00	0.00	42.19	0.00	0.00	0.00
	2015	0.00	0.00	0.00	0.00	0.00	21.23	0.00	45.52	0.00
	2018	0.00	0.00	0.00	29.64	17.03	19.42	31.32	0.00	0.00
Sunnyvale										
	2012	0.00	28.39	3.50	8.74	14.97	30.13	11.93	40.59	0.00
	2013	0.00	0.00	10.24	4.46	15.24	21.43	11.68	18.99	43.67
	2014	0.00	0.00	3.38	12.91	15.32	0.00	11.61	18.74	41.93
	2015	0.00	14.58	0.00	4.14	5.16	13.64	11.01	36.00	42.50
	2018	0.00	8.54	5.36	4.51	15.44	5.85	21.35	17.19	0.00

Lowest to Highest

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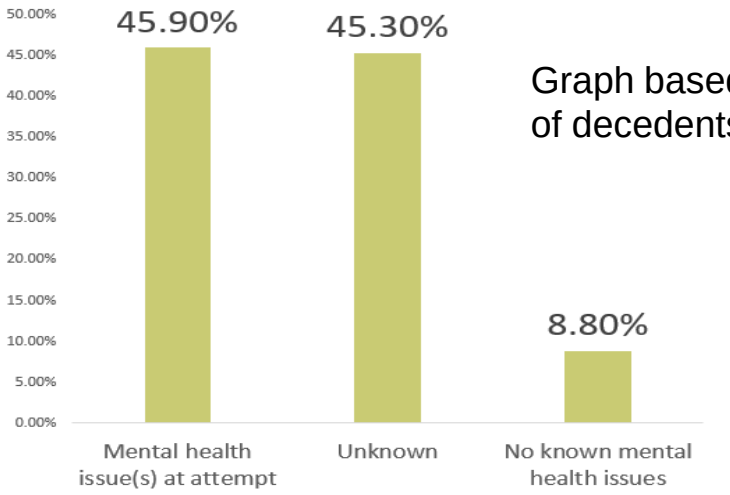
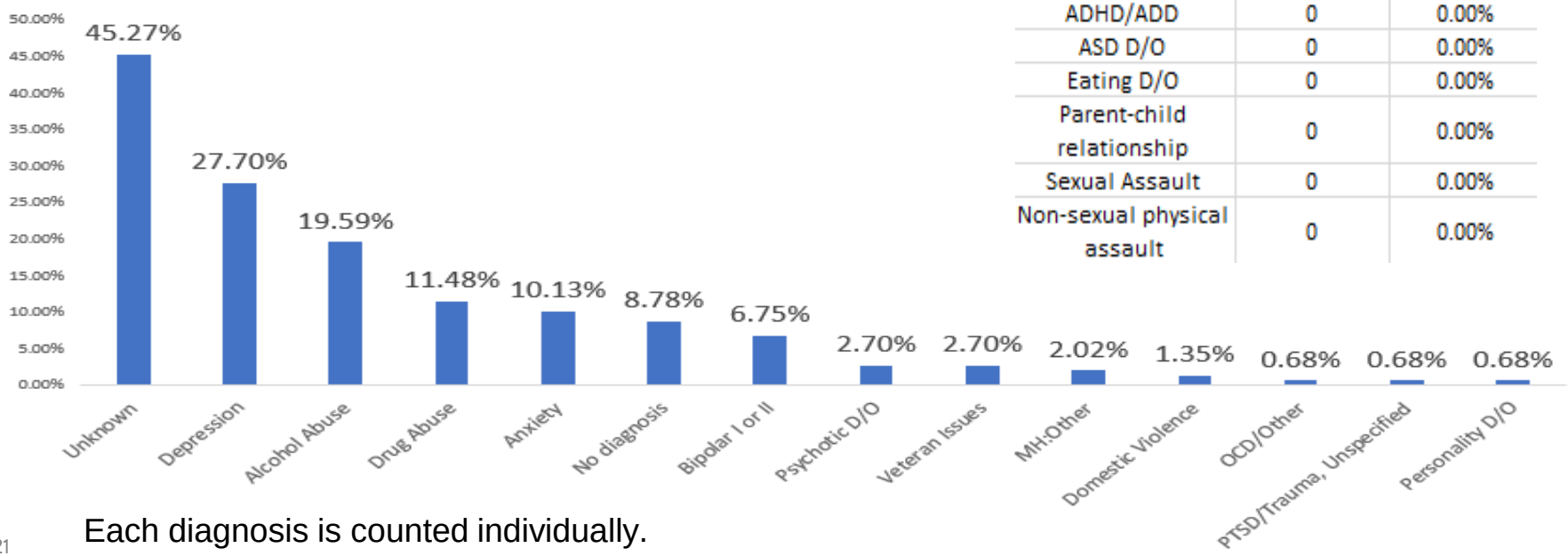
Analysis by Health Status & Treatment

Mental Health Issues (2018 data)



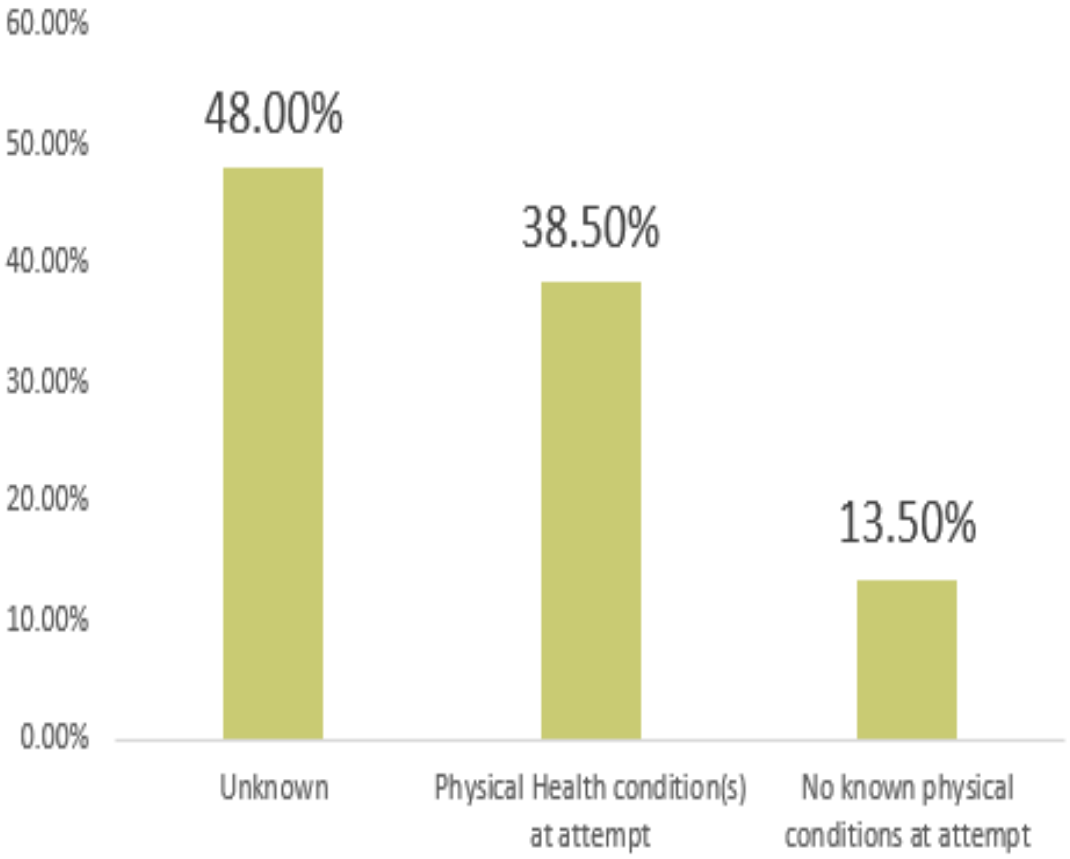
Graph based on total number of decedents.

	Frequency	Percentage
Unknown	67	45.27%
Depression	41	27.70%
Alcohol Abuse	29	19.59%
Drug Abuse	17	11.48%
Anxiety	15	10.13%
No diagnosis	13	8.78%
Bipolar I or II	10	6.75%
Psychotic D/O	4	2.70%
Veteran Issues	4	2.70%
MH:Other	3	2.02%
Domestic Violence	2	1.35%
OCD/Other	1	0.68%
PTSD/Trauma, Unspecified	1	0.68%
Personality D/O	1	0.68%
ADHD/ADD	0	0.00%
ASD D/O	0	0.00%
Eating D/O	0	0.00%
Parent-child relationship	0	0.00%
Sexual Assault	0	0.00%
Non-sexual physical assault	0	0.00%



Each diagnosis is counted individually.

Physical Health Issues (2018 data)



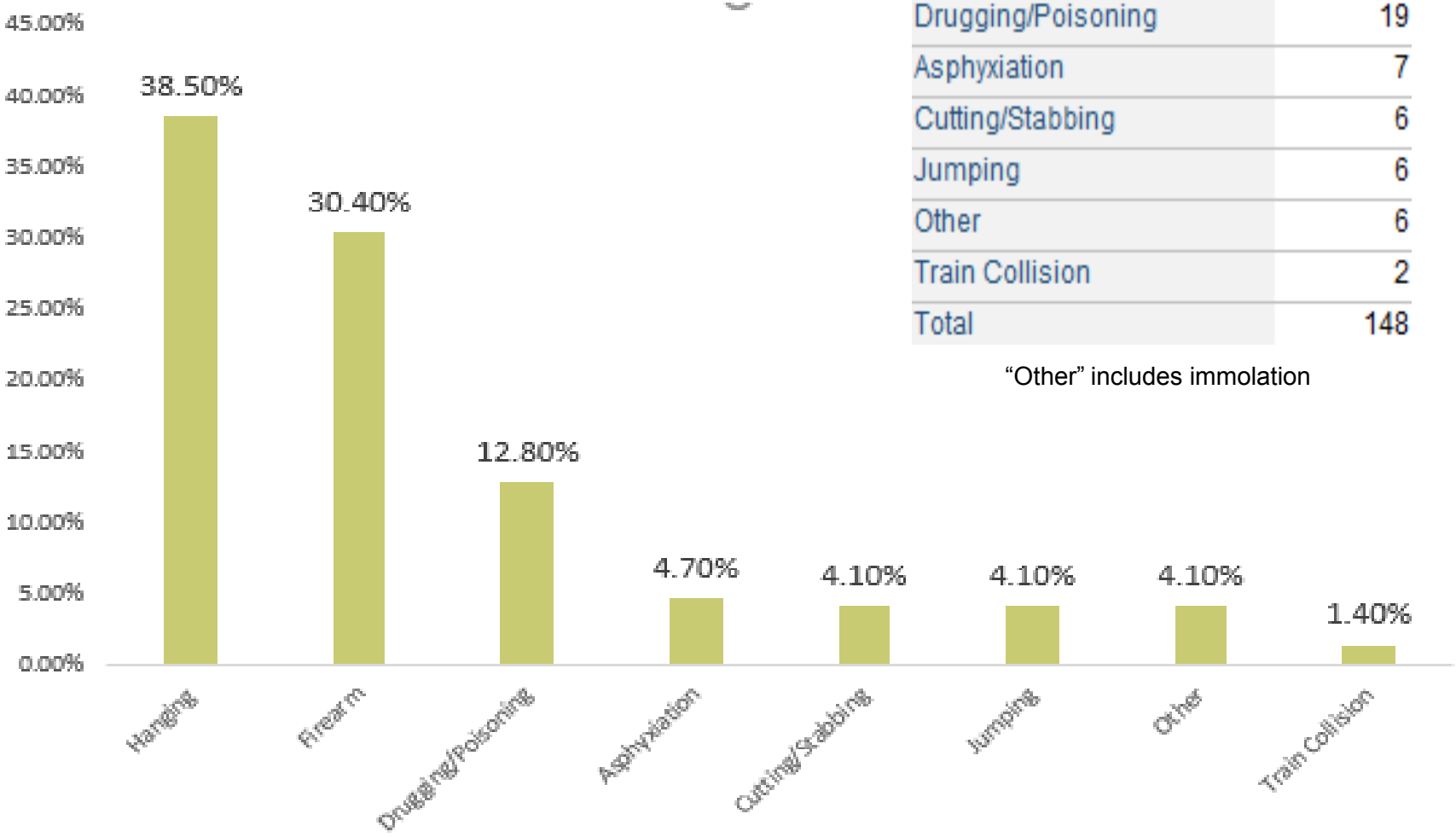
	Frequency	Percentage
Unknown/Unreported	71	47.97
No Known Condition	20	13.51
Hypertension/Other	19	12.84
Pain/Osteoporosis/Arthritis/Gout/other	18	12.16
Other physical health issue	17	11.48
Heart condition/other, Heart/Liver/Lung disease, Asthma, COPD	13	8.78
Diabetes	10	6.76
Cancer, Terminal Illness, HIV/AIDS, Tumor, Coma/vegetative state/life support/other	9	6.08
Cholesterol/Hyperlipidemia/Other	7	4.73
Sleep related issues/apnea/other	7	4.73
Stroke/seizures, Parkinsons/tremors/other	4	2.70
Nerves/spine/brain disease, Hepatitis C/Other Hepatitis, Anemic	4	2.70
GERD/IBS/Gastric issues/Urinary tract issues/incontinence	3	2.03
Skin issues/ulcers/rash/other	1	0.68
STIs	1	0.68
Alzheimers/delirium/edelusions	1	0.68
Hearing loss	0	0.00

Analysis by Suicide Method

Method (2018 data)

	Frequency
Hanging	57
Firearm	45
Drugging/Poisoning	19
Asphyxiation	7
Cutting/Stabbing	6
Jumping	6
Other	6
Train Collision	2
Total	148

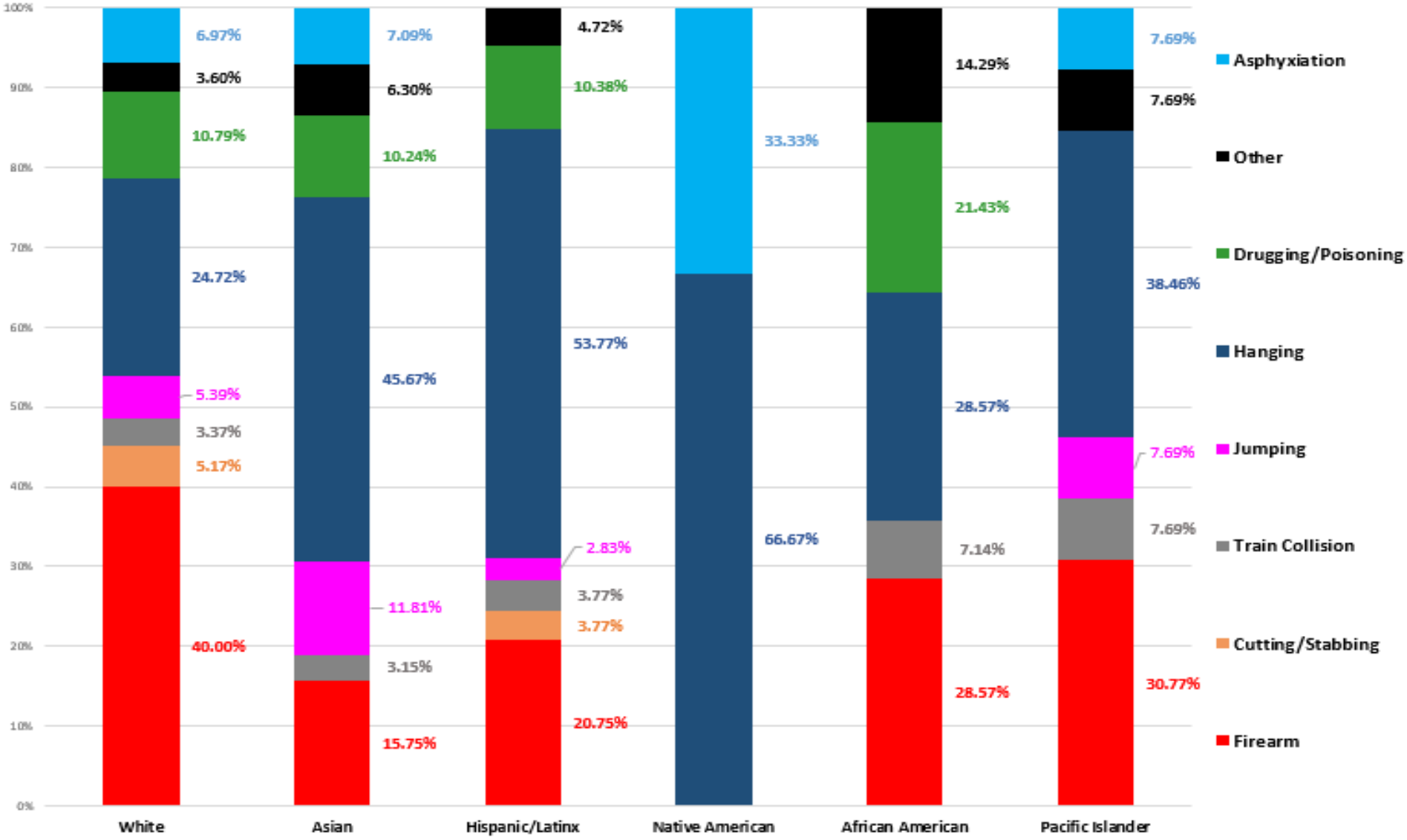
"Other" includes immolation



SANTA CLARA COUNTY
Behavioral Health Services

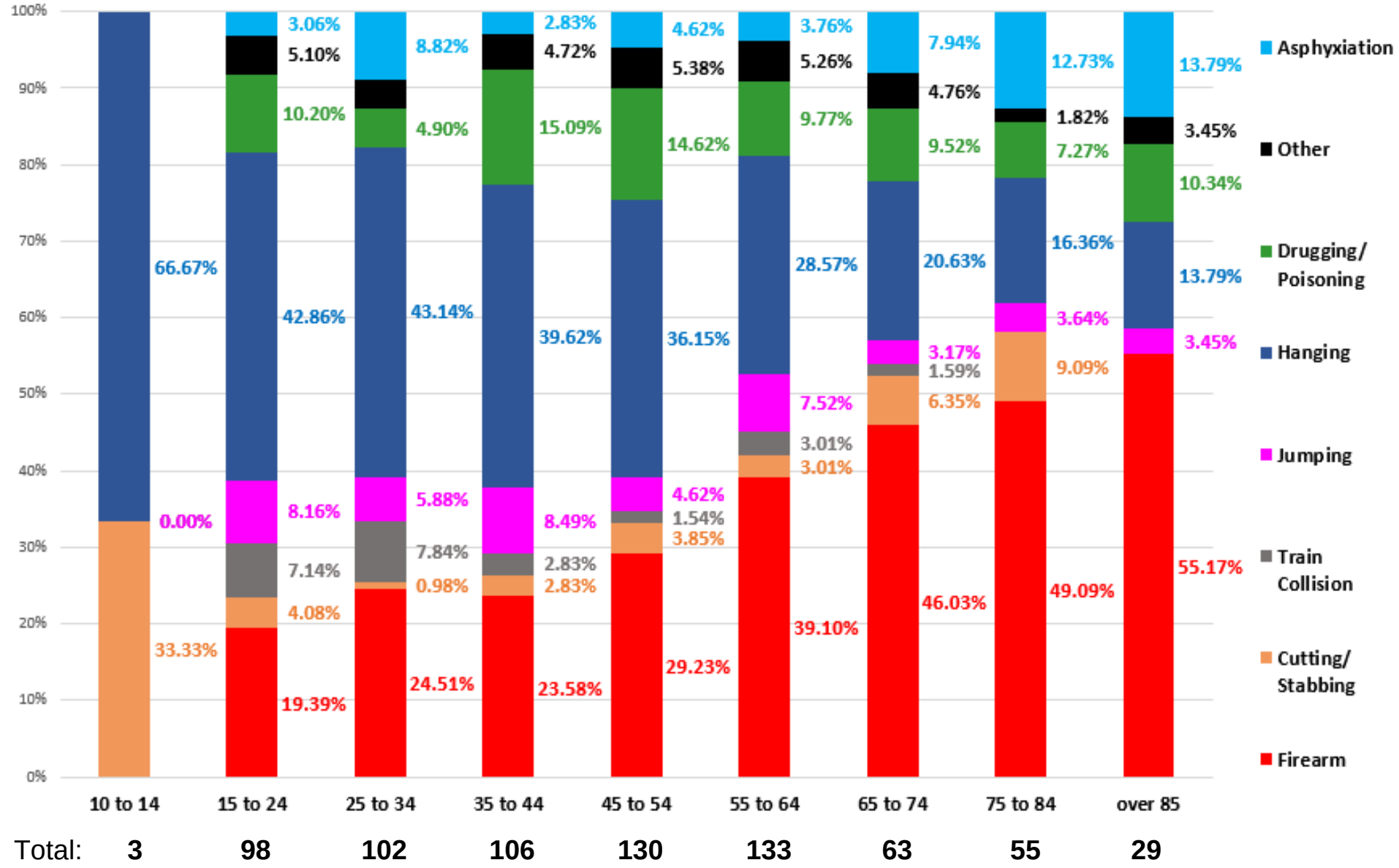
Method by Race/Ethnicity (5-Year Aggregate)

Percentages derived from total of each racial/ethnic group.



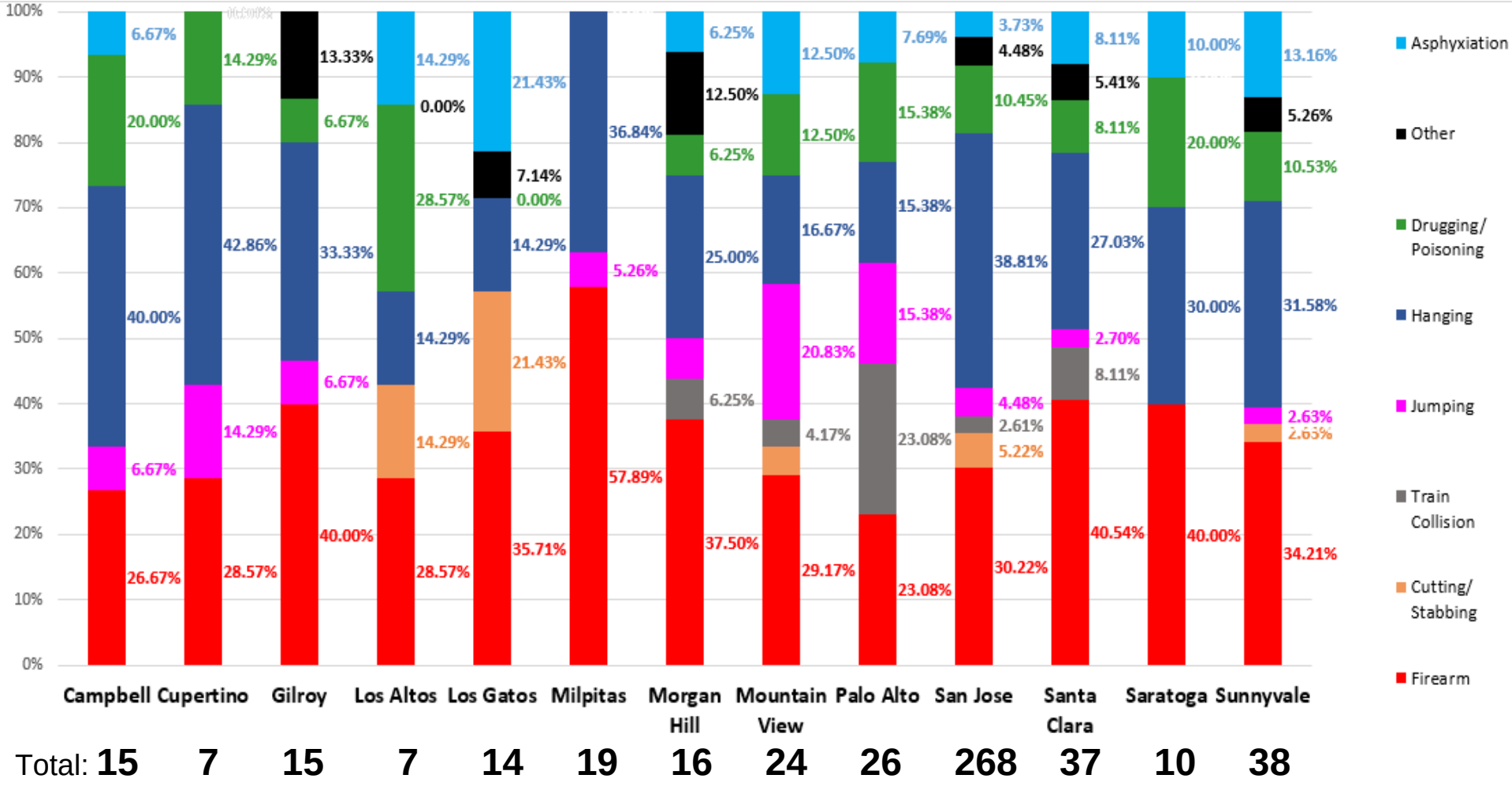
Total:	445	127	106	3	14	13

Method by Age Group (5-year Aggregate)



Total:	3	98	102	106	130	133	63	55	29

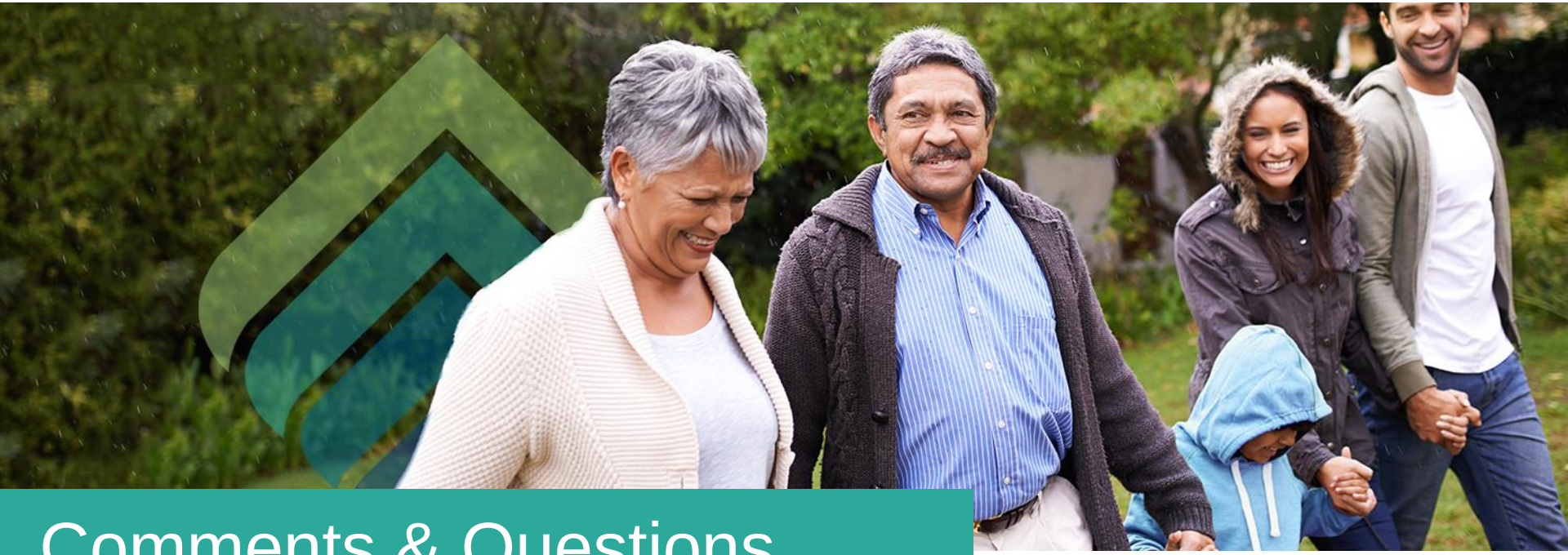
City of Residence by Method (5-Year Aggregate*)



Total percentage derived from city group totals.

*Year 2017 data is missing and therefore percentage rates are lowered than actuality.

SANTA CLARA COUNTY
Behavioral Health Services



Comments & Questions

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