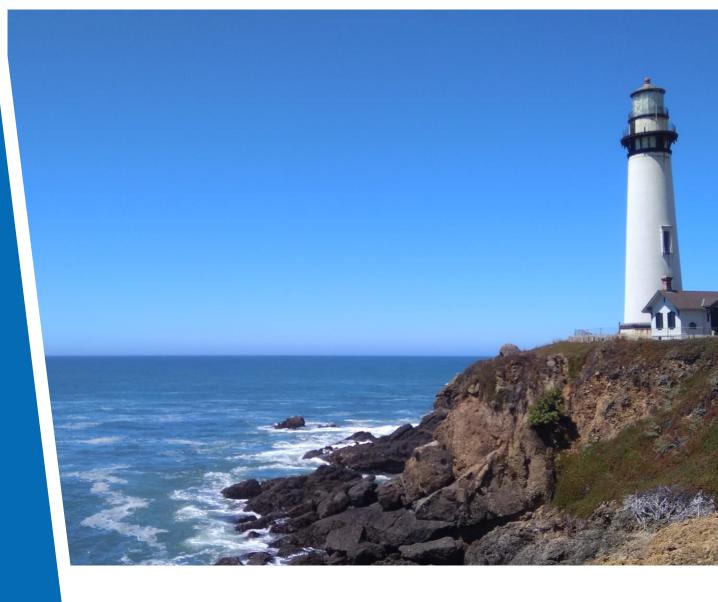
Hospitalizations and
Emergency Department
Visits for Self-Harm
Among
San Mateo County
Residents

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About the Presentation...

- Presenting data on Hospitalizations and visits to Emergency Departments (EDs)
- Using OSHPD/HCAI Claims Data
- Self-harm definition based on CSTE Injury definition
 - Create Injury Dataset
 - Code based on ICD-10 codes
- Data are for visits, not individuals
- Rates use denominators from the 5-year American Community Survey
 - Rates are per 100,000 population

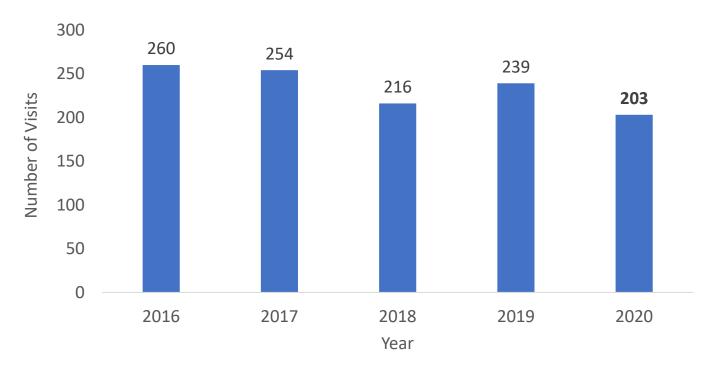


Data on Hospitalizations



Self-Harm Hospitalizations for 2016-2020

There were 1,172 self-harm hospitalizations during 2016-2020. The number of hospitalizations remain above 200 for the county each year, with the lowest number of visits in 2020.





Self-Harm Hospitalizations by Month

Visits per month for 2016-2020 were between 9 and 31. During 2020, there were 9 visits in January with a high in May, decreased in June and increased again before declining in October.

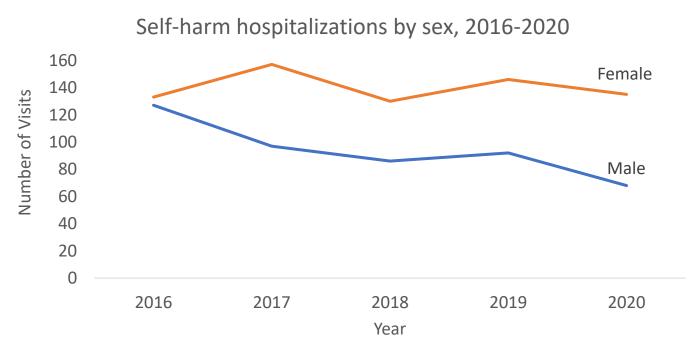
Month	2016	2017	2018	2019	2020
January	21	21	16	26	9
February	12	14	15	15	13
March	28	31	17	18	13
April	26	22	27	15	18
May	24	25	26	15	26
June	21	17	20	29	16
July	24	14	19	16	17
August	26	25	13	18	19
September	21	31	10	24	26
October	17	18	27	23	15
November	20	20	13	28	18
December	20	16	13	12	13
Total	260	254	216	239	203





Self-Harm Hospitalizations by Sex

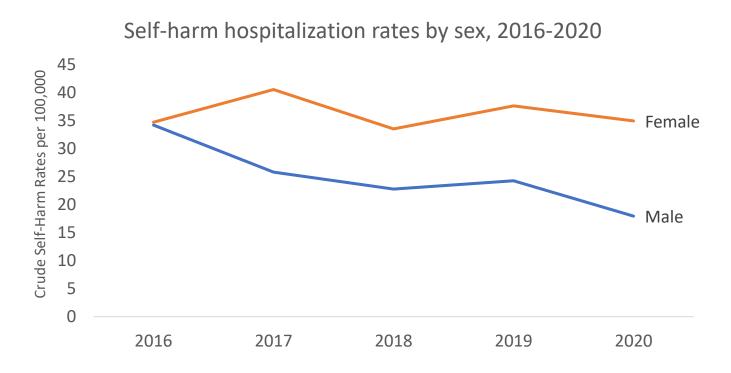
60% of self-harm visits for 2016-2020 period were among women. Hospitalizations for females were higher than males (with female counts doubling that of males since 2017)





Self-Harm Hospitalizations – Sex

Hospitalization rates were higher for females than males – doubled from 2017 to 2020.





Self-Harm Hospitalizations - Age

Visits overall were highest among 25-44 year-olds. During 2020, 25-44 year-olds had the highest number of hospitalizations, followed by age group 17 years and younger.

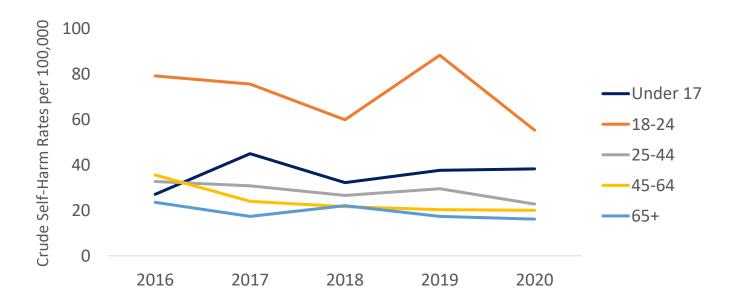
Age	2016	2017	2018	2019	2020	Total
						100
Under 17	44	73	52	60	60	289
18-24	45	43	34	50	31	203
25-44	71	68	59	66	51	315
45-64	74	50	45	42	41	252
65+	26	20	26	21	20	113
Total	260	254	216	239	203	1172



Self-Harm Hospitalizations by Age

Hospitalization rates were highest among 18-24 year-olds, followed by age group 17 years and younger, with 65+ showing lower rates of self-harm hospitalizations. While rates for most groups decline in 2018, there was a slight increase for those 65+.







Self-Harm Hospitalizations by Race/Ethnicity

Self-harm hospitalizations where higher in White residents during 2016-2020.

Race/Ethnicity	2016	2017	2018	2019	2020	Total
Asian and Pacific Islanders	21	40	37	33	41	172
Asian	-	-	-	29	34	63
Pacific Islanders	-	-	-	4	7	11
Black/African American	4	5	3	6	2	20
Latinx	89	61	42	53	42	287
White	118	118	110	115	93	554
Other	28	30	24	32	25	139
Total	260	254	216	239	203	1172

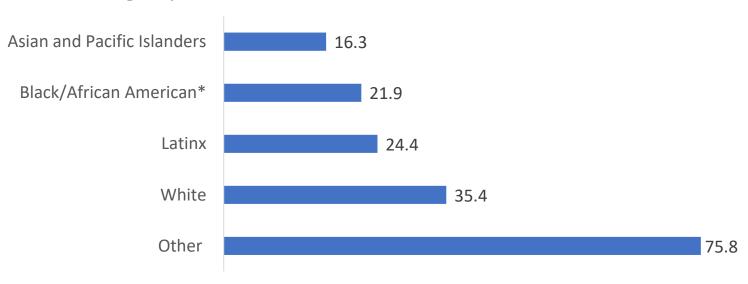
Note: Before 2019, OSHPD/HCAI did not disaggregate between Asian and Pacific Islanders



Self-Harm Hospitalizations by Race/Ethnicity

3-year (2018 to 2020) self-harm hospitalization rates were highest among White and Other Racial Group population.

Rates of self-harm hospitalization highest among whites and other racial groups



^{*}Rate may be unstable due to small numbers

Asian and Pacific Islander groups are combined here. Other race include American Indian/Alaskan Native, Multiracial, Other Race and Unknown Race. Multiracial was only collected started 2018



Self-Harm Hospitalizations by Region

North County had the largest number of self-harm hospitalizations during 2016 to 2020 (462), followed by Mid-County (414). Zip codes 94080 and 94403 had the highest hospitalizations during the five-year period (data not shown).

Region	2016	2017	2018	2019	2020	Total
Coastside	15	12	8	15	3	53
Coastsiae						33
Mid-County	92	101	72	77	72	414
iviid County	<i>32</i>	101	7 2	,,	12	717
North County	94	102	84	99	83	462
,						
South County	59	39	52	48	45	243
Total	260	254	216	239	203	1172



Self-Harm Hospitalizations by Language

Patients preferred language was overwhelmingly English.

Language	2016	2017	2018	2019	2020	Total
English	242	240	204	224	190	1,100
Spanish	12	11	7	11	4	45
	_		_	_		
Other/Unknown Language	6	3	5	4	9	27
Total	260	254	216	239	203	1,172

Other Languages include Chinese (Mandarin, Cantonese) and Filipino/Tagalog



Self-Harm Hospitalizations by Type of Health Insurance

Overall, hospitalizations paid by private insurance made up 49% of hospitalizations, while hospitalizations paid by public insurance made up 45%. Hospitalizations paid by public insurance was higher in 2016 and 2017, but starting in 2018, hospitalizations paid by private insurance became the leading insurance type.

Insurance	2016	2017	2018	2019	2020	Total
Private	117 (45%)	112 (44%)	112 (52%)	126 (53%)	113 (56%)	580 (49%)
Public	136 (52%)	123 (48%)	84 (39%)	94 (39%)	86 (42%)	523 (45%)
Other	7 (3%)	19 (7%)	20 (9%)	19 (8%)	4 (2%)	69 (6%)
Total	260 (100%)	254 (100%)	216 (100%)	239 (100%)	203 (100%)	1172 (100%)

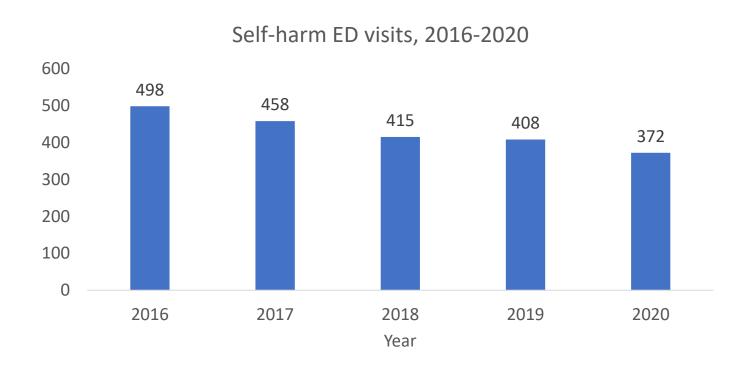


Data on Emergency Department (ED) Visits



Self-Harm ED Visits for 2016-2020

There were **2,151 self-harm ED visits during 2016-2020.** Counts for each year has been steadily declining but a marked drop in 2020.



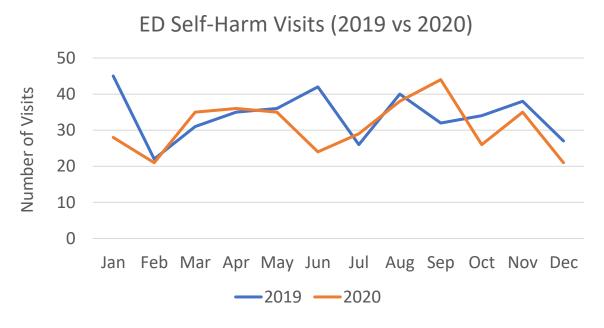
Methodology has changed to count additional ED visits that were previously only counted in hospitalization dataset.



Self-Harm ED Visits by Month

ED visits ranged from 18 to 52 during 2016 to 2020. During 2020, there were a series of lows and highs. February had the lowest number of visits, while September had the highest, with 44 visits in 2020.

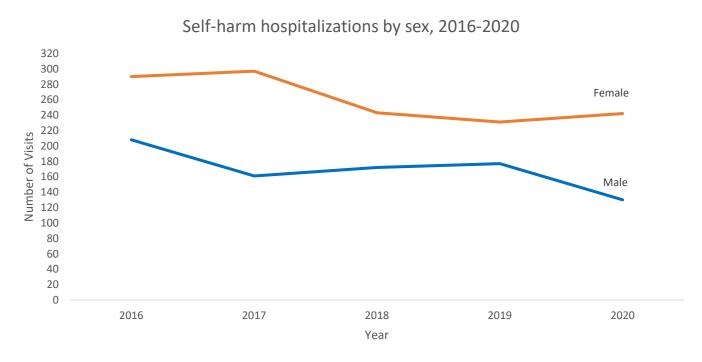
Month	2016	2017	2018	2019	2020
January	52	39	41	45	28
February	32	43	22	22	21
March	46	54	39	31	35
April	49	40	35	35	36
May	44	47	41	36	35
June	34	26	47	42	24
July	45	31	28	26	29
August	40	31	31	40	38
September	34	45	18	32	44
October	44	33	44	34	26
November	35	36	27	38	35
December	43	33	42	27	21
Total	498	458	415	408	372





Self-Harm ED Visits by Sex

Similar to hospitalizations, ED visits for females were higher than males during 2016 to 2020. 65% of self-harm visits for 2020 were among women, almost doubling that of males.

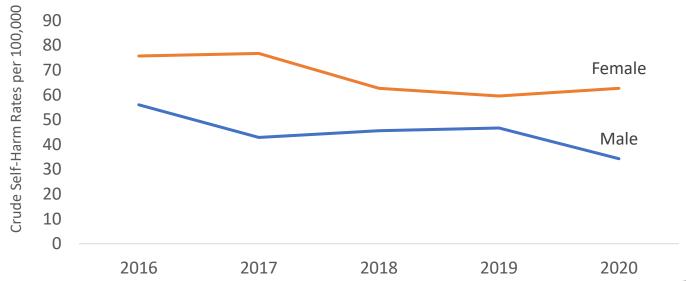




Self-Harm ED Visits by Sex

Similar to hospitalizations rates, the rate for ED visits for females were higher than rates for males during 2016 to 2020. Whereas rate for ED visits for males declined from 2019 to 2020, rates for female visits had a slight uptick.







Self-Harm ED Visits by Age

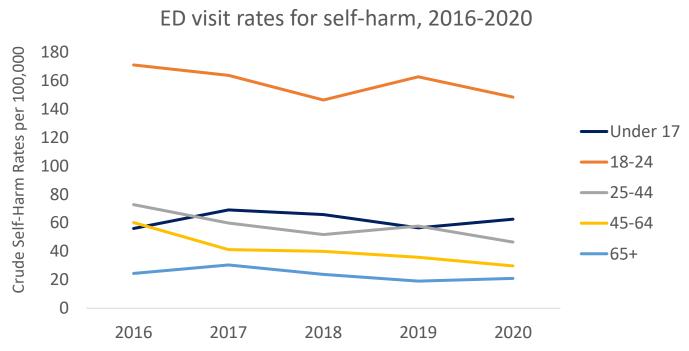
ED visits overall were highest among 25-44 year-olds for each year from 2016 to 2020, similar to that of hospitalizations.

Age	2016	2017	2018	2019	2020	Total
Under 17	91	112	106	90	98	497
18-24	97	93	83	92	83	448
25-44	158	132	115	129	104	638
45-64	125	86	83	74	61	429
65+	27	35	28	23	26	139
Total	498	458	415	408	372	2151



Self-Harm ED Visits by Age

ED visits rates were highest among 18-24 year-olds, similar to that of hospitalizations, doubling all other age groups for each year. Under 17 year-olds had a slight increase in 2020.





Self-Harm ED Visits by Race/Ethnicity

Self-harm ED visits where higher in White residents during 2016-2020.

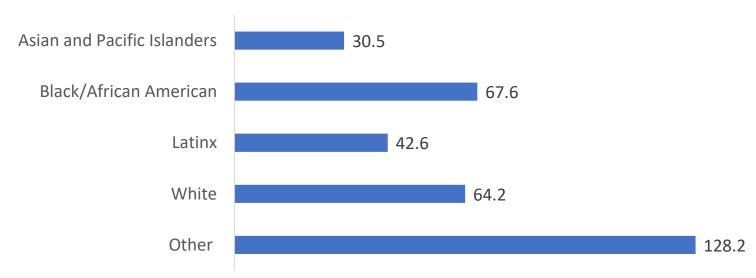
Race/Ethnicity	2016	2017	2018	2019	2020	Total
Asian and Pacific Islanders (PI)	61	73	72	66	70	342
Asian	34	35	39	56	56	220
Pacific Islanders	13	13	11	10	14	61
Unknown if Asian or PI	14	25	22	0	0	61
Black/African American	13	15	12	12	10	62
Latinx	66	41	28	111	100	346
White	280	264	233	179	165	1,121
Other	78	65	70	40	27	280
Total	498	458	415	408	372	2151



Self-Harm ED Visits by Race/Ethnicity

3-year (2018 to 2020) self-harm ED visit rates were highest among White and Other Racial Group population.

Rates of self-harm ED visits highest among Other Race Groups and White



Asian and Pacific Islander groups are combined here. Other race include American Indian/Alaskan Native, Multiracial, Other Race and Unknown Race. Multiracial was only collected started 2018



Self-Harm ED Visits by Region

North County had the largest number of ED visits during the five-year period. Zip code 94080 had 190 ED visits, followed by 94403 with 170 from 2016-2020. (Zip code data not shown).

	2045	2247	2040	2010	2020	
Region	2016	2017	2018	2019	2020	Total
Coastside	26	21	23	20	11	101
Mid-County	171	162	137	133	118	721
North County	182	177	143	153	154	809
,						
South County	117	97	112	101	89	516
,						
Other	2	1	0	1	0	4
Total	498	458	415	408	372	2151



Self-Harm ED Visits by Language

Patients preferred language was overwhelmingly English, followed by Spanish.

Language	2016	2017	2018	2019	2020	Total
English	456	408	378	363	336	1,941
Spanish	32	47	28	39	23	169
Other/Unknown Language	10	3	9	6	13	41
Total	498	458	415	408	372	2,151

Other Languages include Chinese (Mandarin, Cantonese) and Filipino/Tagalog



Self-Harm ED visits by Type of Health Insurance

Like hospitalizations, visits paid by private insurance consistently made up the majority of ED visits, followed by visits paid by public insurance. Similarly, visits paid by public insurance was higher up until 2017, but starting in 2018, visits paid private insurance was higher.

Insurance	2016	2017	2018	2019	2020	Total
Private	205 (41%)	199 (43%)	211 (51%)	192 (47%)	190 (51%)	997 (46%)
Public	237 (48%)	218 (48%)	173 (42%)	163 (40%)	155 (42%)	946 (44%)
Other	56 (11.24%)	41 (8.95%)	31 (7.47%)	53 (12.99%)	27 (7.26%)	208 (9.67%)
Total	498 (100%)	458 (100%)	415 (100%)	408 (100%)	372 (100%)	2151 (100%)



Summary

- Females made up more of ED visits and hospitalizations.
- 18-24 year-olds had the highest rate across the 5-year period, though in 2020 the numbers decline for both ED visits and hospitalizations.
- White, non-Hispanic made up the majority of ED visits and hospitalizations.
- Private insurance made up more of ED visits and hospitalizations.

Next steps

- Include 2021 data when available
- Looking at manner of self-harm
- Deeper dive into demographic groups (ex. younger population)
- Other interests by you!



QUESTIONS?

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