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California Department of
State Hospitals

VIOLENCE REPORT

DSH HOSPITAL VIOLENCE 2010 - 2018



DATA ANALYSIS

**SAFETY
TREATMENT
RESPONSIBILITY**

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COMMONLY USED ABBREVIATIONS AND ACRONYMS

For a full list, as well as a listing of the relevant statues for each legal commitment, please see the glossary at the end of this report.

ABBREVIATION	DESCRIPTION
A2	Patient physical assault committed by another patient. Formally defined in the special order as “Aggressive Act to Another Patient - Physical: Hitting, pushing, kicking or similar acts directed against another individual to cause potential or actual injury.” This does not include verbal assault, which is coded as “A1.”
A4	Staff physical assault committed by a patient. Formally defined in the special order as “Aggressive Act to Staff - Physical: Hitting, pushing, kicking, or similar acts directed against a staff person that could cause potential or actual injury.” This does not include verbal assault, which is coded as “A3.”
A2+A4 Combined	Combined Patient physical (A2) and Staff physical (A4) assaults.
A8	Sexual assault on staff committed by a patient – Any physical sexual contact by a patient towards or involving a staff person.
DSH	Department of State Hospitals
DJJ	Department of Juvenile Justice
IST	Incompetent to Stand Trial (PCI370)
LPS	Lanternman-Petris-Short
OMD	Offender with a Mental health Disorder
MDSO	Mentally Disordered Sex Offender
NGRI	Not Guilty by Reason of Insanity
PC2684	Mentally Ill Prisoner (PC2684)
SVP	Sexually Violent Predator

SECTION I: EXECUTIVE SUMMARY

During 2018, the Department of State Hospital's (DSH) five freestanding hospitals experienced another increase in patients admitted to and treated, again due in large part by the increase in IST admissions. Overall, the total number of patients treated at any point in time during calendar 2018 totaled 10,758; this represents a 2.5% increase over the number of patients treated in 2017, and a 23.2% increase in patients treated in a year since 2012.

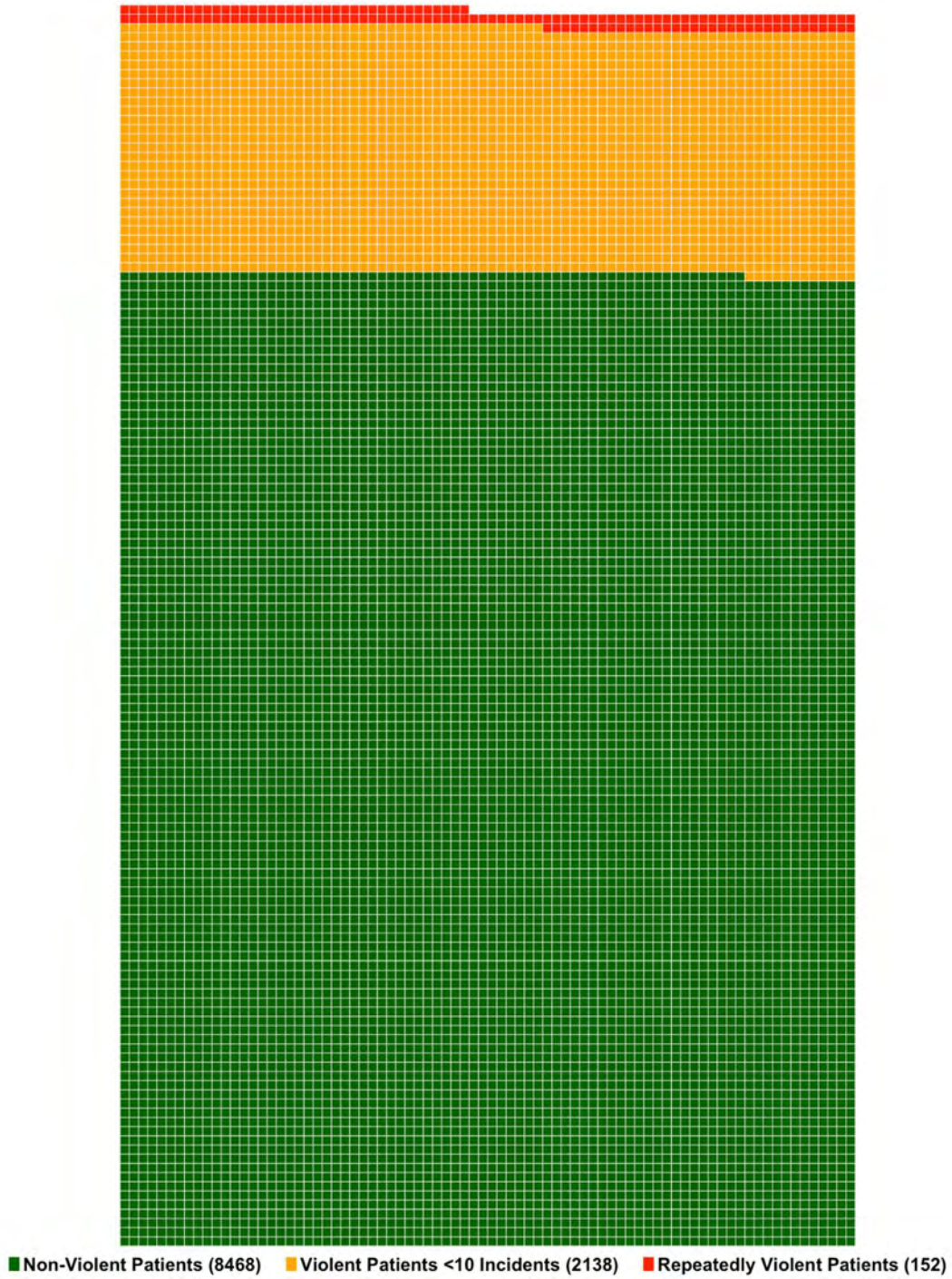
As with previous years, most patients treated in 2018 were not violent during this period (shown in green in Figure I.1, about 78.7% of all patients treated). Of the remaining patients treated, about 21.3%, committed an act of physical violence in 2018 while hospitalized, either against another patient or a staff member. Of the violent patients, a very small number had 10 or more violent acts during 2018 (designated as "repeatedly violent patients"). While numbering only 152 patients total during, these repeatedly violent patients were responsible for 39.4% of all the assaults on both patients and staff assaults during 2018.

In [Section II.1](#), this report presents the violence totals and then integrates these totals with the patient census data to provide information about violence using standardized units of violence rates per 1000 patient days.

The remainder of this summary will provide an overview of DSH violence data and presents information on current patient violence trends, while also comparing this information with previous data. The body of this report will present aggregate information on patient aggressors and victims as well as examine the severity of assault injuries for the patients. This report also begins to examine the influence of admission rates on violence. Additionally, this report will look more in-depth at the repeatedly violent patients and their disproportionate number of violent incidents, detailed in [Section VII](#) of this report. The report then presents data on the monthly rates of

- ▶▶ *In 2018, DSH treated 2.5% more patients than the previous year.*
- ▶▶ *Since 2012, DSH has seen a 23.2% increase in the unique number of patients treated.*
- ▶▶ *In 2018, the rate of patient on patient assault decreased 0.9% from the year prior.*
- ▶▶ *In 2018, the overall rate of patient on staff assault decreased 4.9%*
- ▶▶ *1.4% of patients were responsible for 39.4% of all aggressive acts in 2018.*
- ▶▶ *There continues to be a decrease in the number of violent patient incidents that result in the need for outside hospitalization.*

Figure I.1
2018 DSH Patients and Aggressors, 1 Square = 1 Patient



- ▶▶ *21.3% of the 10,758 patients treated during 2018 committed at least one violent act during their stay in DSH.*
- ▶▶ *A total of 152 patients had 10 or more acts of aggression in 2018.*
- ▶▶ *Most violent incidents occur within 120 days of a patient's admission.*
- ▶▶ *New admissions have their first violent act very soon after admission; most occur within 35 days of admission*

violence, looking at monthly rates by patient commitment, hospital, and then (in the appendices) by hospital and patient legal commitment.

Analysis of the 2018 data shows that compared to the previous year:

- There was a 2.5% increase in the unique number of patients treated, and a 0.8% increase in population measured in total patient days;
- DSH wide, the rate of patient on patient assaults decreased by 0.9% and the overall rate of patient on staff assault decreased by 4.9%. Using the data available which classified staff assaults into “Contact Made” and “Contact Attempted” but not made, both categories saw decreases. Staff assaults where physical contact was made decreased by 3.9%, and assaults where contact was attempted (but not made) decreased 6.2%, see [Section II.B](#) and [Section II.C](#) for further data and details;
- Changes in violence rates were not uniform, however, and some variation was noted across legal classes and hospitals (see [Sections IV](#) and [Section VIII](#) as well as the [Appendices](#) for further details;
- With the increase in population, the percentage of individual (unique) patients committing aggressive acts was slightly lower at 21.3% in 2018, compared to 22.9% in 2017 (2290 patients of the 10,758 treated committed a violent act in 2018, while 2400 patients of the 10,499 treated committed a violent act during 2017, for further information see [Section V](#));
- There were continued reductions in the more serious levels of patient victim injuries from assault from last year's rates, (see [Section VI](#));
- There was an increase by one patient (to 152, up from 151) in the number of repeatedly violent patients who committed 10 or more assaults in 2018. However due to the increase in population the percentage of these patients remained constant at 1.4% of the population; (see [Section VII](#));
- For newly admitted patients, the first violent act typically occurred soon after admission to the hospital (median time to first violent act was 35 days, and median time for all violent acts was 171 days). This means it is important to consider the rate of new admissions to the hospitals and examine the impact

of increased admissions on all violence types at the hospitals. See [Section III](#) for further discussion of the influence of admission rates on violence;

- Patients who are violent in DSH are hospitalized longer, specifically, the median length of stay for a violent patient is almost five times longer than the length of stay for a non-violent patient. These longer periods of hospitalization for the most violent patients has the consequence of increasing the percentage of violent patients (see [Section III.C](#))

At the end of this report, supplementary data tables to provide additional detailed information for each hospital are presented in the [Appendices](#), a [Glossary](#) of terms used in this report, and some further notes on some of the [methodologies](#) used in analyzing the data..

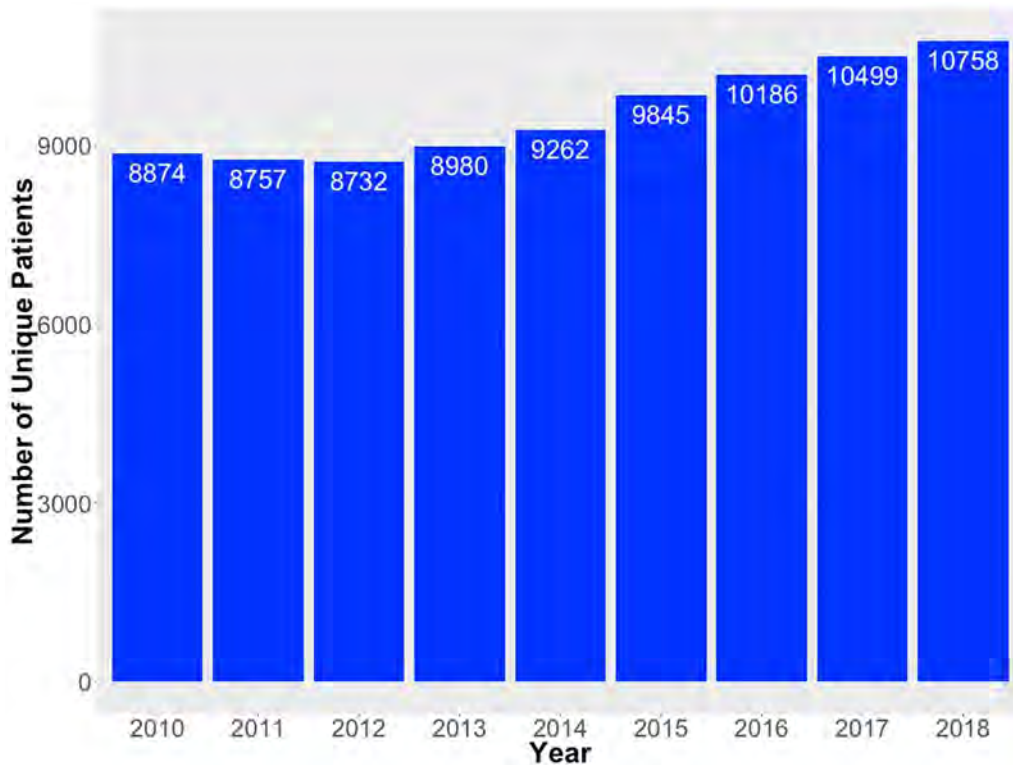
SECTION II: OVERVIEW OF VIOLENCE DATA

A. Summary of Yearly Population Increases at DSH

Because the DSH population directly impacts the computation of violence rates, this information is foundational to calculating and understanding violence rates presented in this report. Thus, it is presented first in this section.

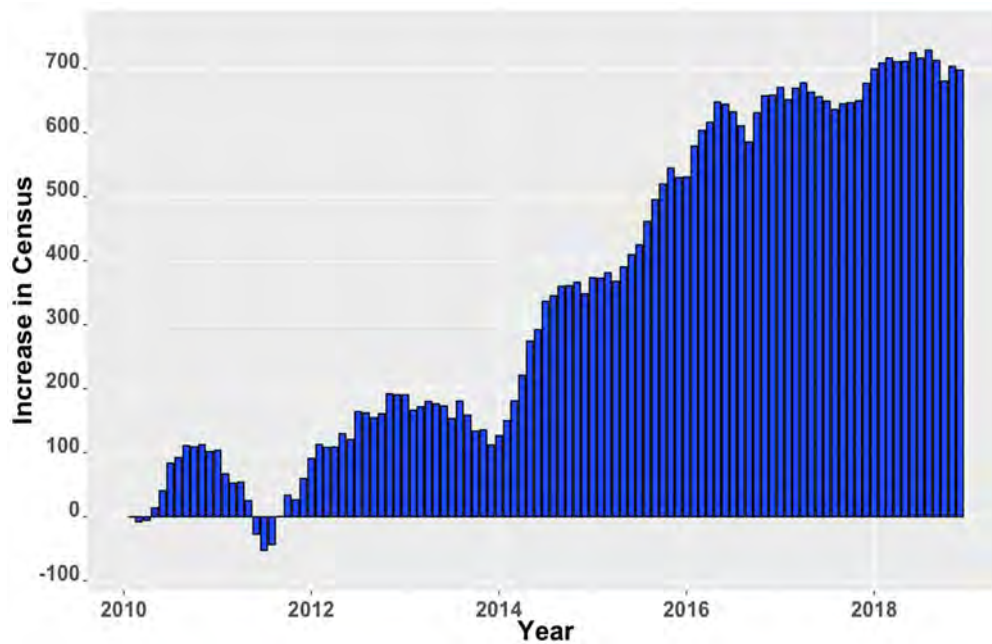
As shown in the figure below, the total number of patients treated during the year in DSH hospitals has been steadily increasing over time.

Figure II.1
DSH Hospitals Total Patients Treated, by Year



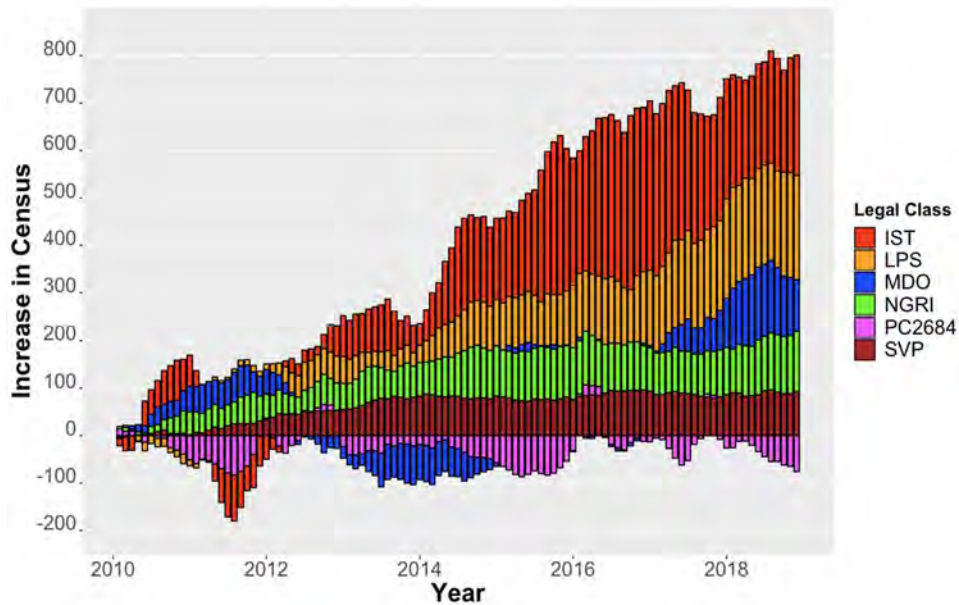
Similarly, the total number of patients residing in the hospital at any one time (tracked as the DSH “Average Daily Census”) has also been increasing over time. The below graph shows the increase in Average Daily Census (ADC) at all five DSH hospitals, using the census on January 1st, 2010 as the baseline.

Figure II.2
Change in Hospital Average Daily Census



It is important to note that the changes in population have not been uniform across all the legal classes. The greatest population increases have been in the Incompetent to Stand Trial (IST) and Lanternman-Petris-Short (LPS) patient classes (see the glossary for a full description of these and all other legal classes). These two groups of patients are known to have some of the highest rates of assault, when compared to other patient groups (this will be discussed later in this report).

Figure II.3
Net Change in Census by Legal Class



When analyzing violence over time, this underlying change in population means that using accurate comparisons across years will not be possible using yearly violence counts or totals. For this reason, this report will emphasize reporting violence using rates per 1,000 patient days. To better understand this concept (using a purely hypothetical example), one can easily understand that having 1,000 patient on patient assaults when the population totals 1,000 patients is not equivalent to having 1,000 patient on patient assaults when the population is 2,000. Although the violence counts in our hypothetical example are equal (both 1000), the underlying population totals are different. Stated simply, the number of assaults does not take into account the change in the patient population.

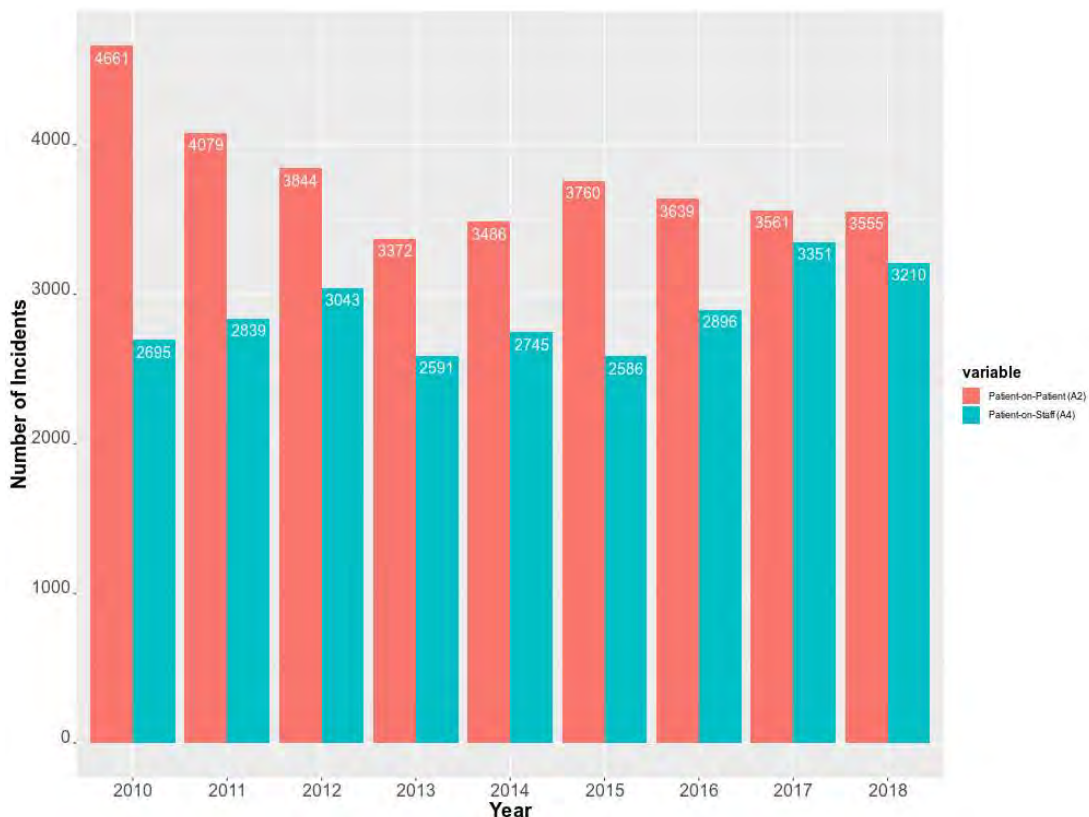
Patient on patient assaults are formally defined in DSH as “Aggressive Act to Another Patient - Physical: Hitting, pushing, kicking or similar acts directed against another individual to cause potential or actual injury,” and DSH staff use the code “A2” to report such an assault, hence the use of the abbreviation in this report (an analogous definition is used for patient on staff assault, which is coded by staff as “A4.”)

B. Yearly Rates of Patient and Staff Assaults

- ▶▶ In 2018, the rate of patient on patient assault decreased 0.9% from the year prior.
- ▶▶ In 2018, the overall rate of patient on staff assault decreased 4.9% from the year prior. The rate of staff assault where contact was made decreased 3.9% while the rate where contact was attempted decreased 6.2%.

As seen in the figure below of counts, the number of patient assaults on other patients (A2 patient on patient assaults) decreased in 2018, and the number of patient assaults against staff decreased (A4 patient on staff assaults). (Note: data for 2010 understate that year’s true total, as one hospital did not begin tracking and reporting until February 2010; these numbers omit the January 2010 for that one hospital).

Figure II.4
DSH Wide Count of Incidents, by Year



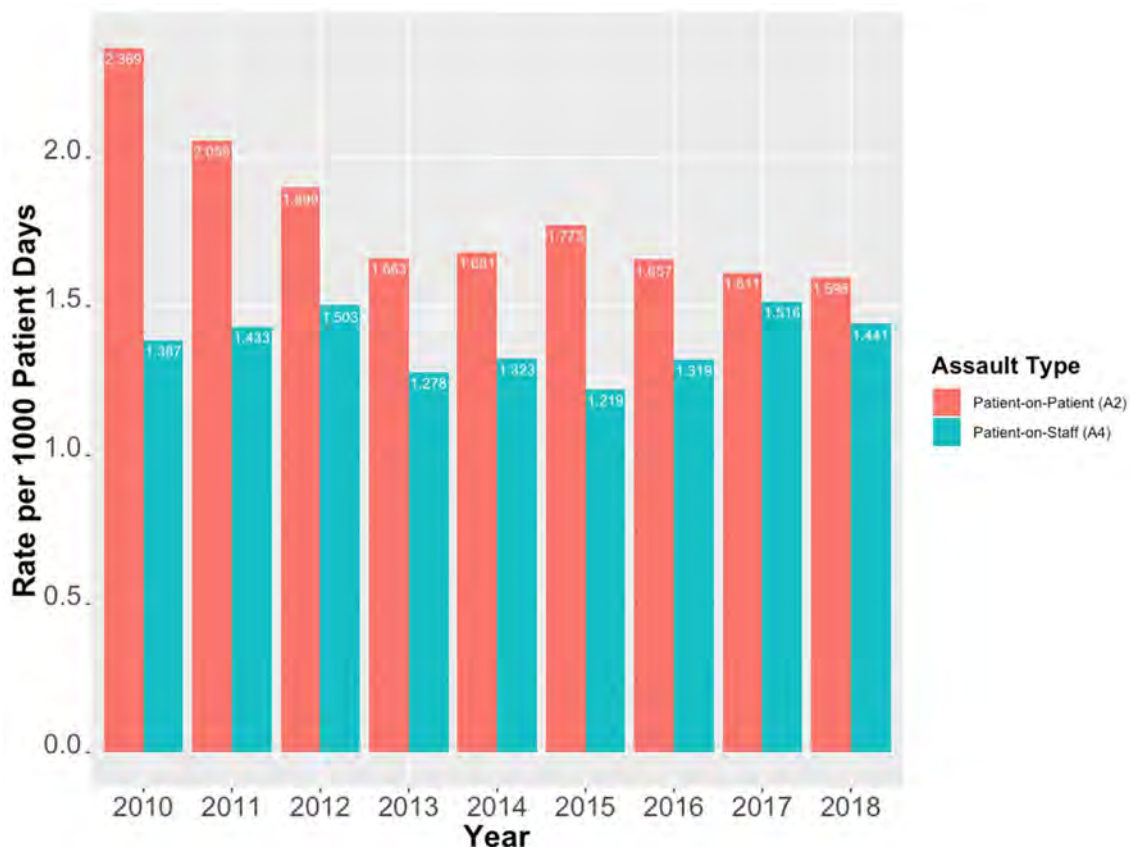
Note: Figure II.4 shows counts (not rates) of aggressive incidents against both patients (A2) and against staff (A4). These data include January 2010 data, see the paragraph above for a detailed explanation.

Since these totals do not take into account the increase in patient census, simple totals of violence per month or per year should not be used for analysis. The better measure of violence would be a rate measure.

Definitive conclusions about increases or decreases in violence can only reliably be drawn by analysis of the rate of violent incidents. Historically, DSH violence was reported in terms of “Monthly Totals,” which is a measurement that fluctuates depending on the days of the month. Additionally, monthly totals do not account for changes in patient census, which also impacts the amount of violent incidents in a month. A rate measure, such as number of assaults per 1000 patient days, offers a more precise way of measuring violence, to better inform leadership and strategies to reduce violence.

For these reasons this report will focus on “Violence Rates” and give this rate as a number per 1000 patient days. This number is easily interpreted and enables more accurate comparisons across time.

Figure II.5
DSH-Wide Rate of Assaultive Incidents, by Year



Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. This resulted in an increase in the rates A4 assaults between 2015 and 2016. See [Section II.I.B](#) for further details.

There are obvious similarities between the figures showing the barplots of violence counts and violence rates. As discussed previously, however, while monthly or yearly “Totals” are a simple and convenient measure, counts and totals are potentially very misleading as only the rate of patient violence takes into account both the impact of changes in the patient census and fluctuating days in the month on violence totals.

C. Staff Assault: Drill Down into “Contact Made” and “Contact Attempted”

In February 2015, all DSH hospital Standards & Compliance Directors attended a department wide data standardization meeting. The purpose of this meeting was to ensure uniform data definitions and collection procedures. After a hospital-by-hospital review of definitions and data collection procedures, it was discovered that DSH-Atascadero was defining patient on staff violence (A4) differently than the other four hospitals. DSH-Atascadero was only coding an event as an A4 incident when a patient made physical contact with a staff member, whereas the other four hospitals were coding an event as an A4 incident when physical contact with a staff member was made **or** when physical contact was **attempted** by the patient but not actually made.

During that same meeting, the Standards & Compliance Directors voted to move forward with a uniform definition of patient on staff violence; this uniform definition included incidents both when physical contact was made **or** when contact was **attempted** but not actually made.

In order to move forward with this definition, but still capture the data in a manner that DSH-Atascadero had used previously, it was also decided to incorporate a change in data collection procedures, so that patient on staff violence would be further categorized into acts in which contact was made and acts in which contact was attempted, but not actually made.

The effective date for these changes to A4 definitions and data collection procedures was January 1, 2016.

The reader should note that 2016 data contained within figures in this report utilized the revised definition described in this section. As a result, the 2016 data from DSH-Atascadero often shows an increase in the rates of patient on staff violence.

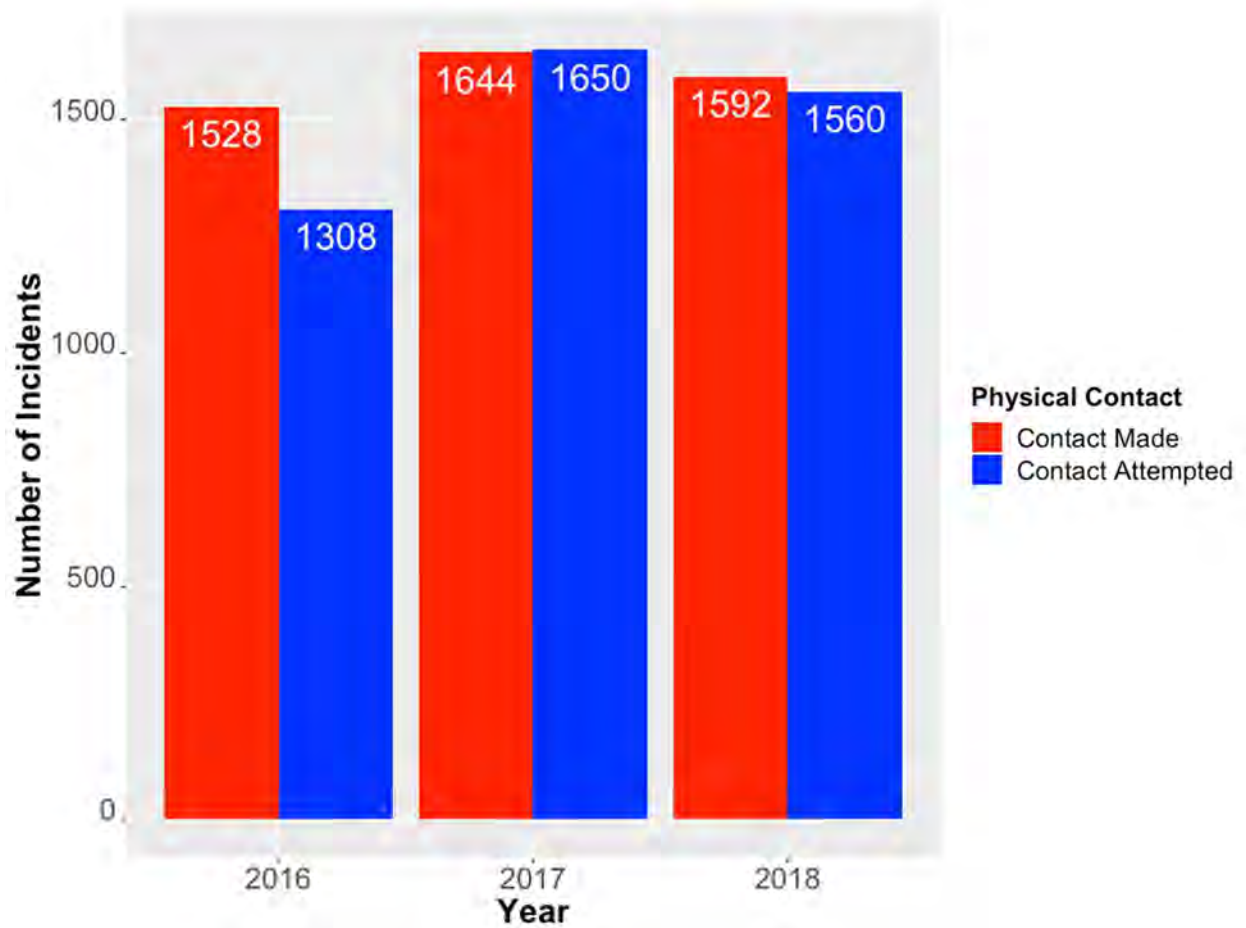
Furthermore, this change in coding now allows DSH to distinguish between violent incidents where a patient actually physically hit a staff or not. The counts and rates for this information on staff assaults starting with 2016 is presented in the next two figures.

Additionally, at this same meeting, a new category of staff assault was added, “A8 – Sexual Assault Against Staff.” Because this is coded exactly the same as A4 Physical Assault Against Staff, in regards to contact made/contact attempted, and because the overall numbers are very low (48 in 2016, 61 in 2017 and 63 in 2018, or about 1.8% of the overall A4 Staff Assault total in those years) these were combined with the A4 Staff Assault incidents and reported as part of that category).

The violence totals by patients against other patients or against staff also do not include reported incidents of physical assault to family or other visitors that occur in DSH facilities. In 2017, 9 such incidents were reported and in 2018, 12 such incidents were reported.

Again, all data presented in this report is reported physical violence, where contact was either made or attempted. No incidents of verbal threats or abuse were reported.

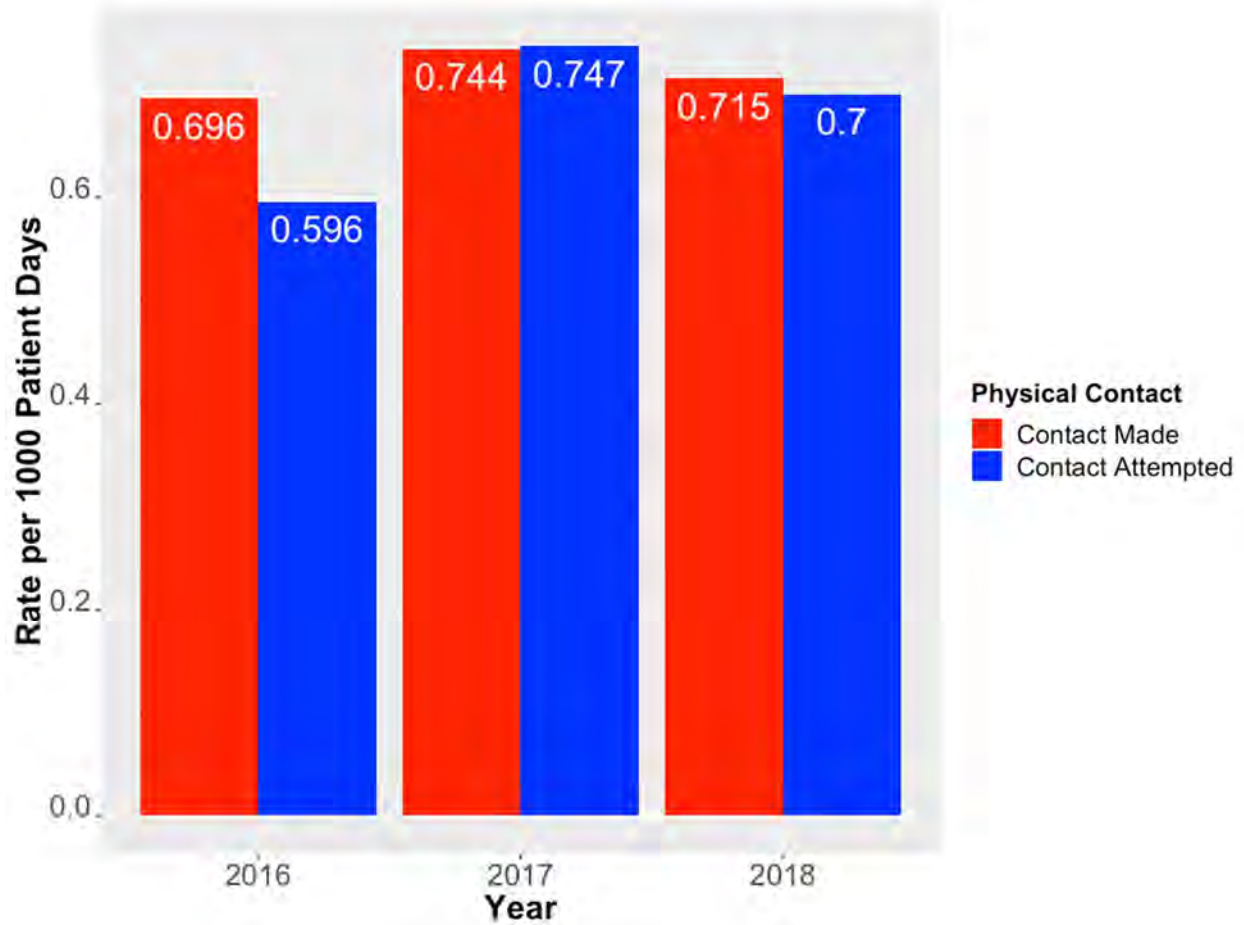
Figure II.6
DSH-Wide Count of Staff Assaults – Contact Made and Contact Attempted



Note: Rates may not add up consistently due to rounding. Also, if the staff assault write-up carried no information in the "Physical Contact" field, these incidents could not be included in the analysis and breakdown of this Physical Contact – Made or Attempted.

Again, because counts are not an adequate method for tracking violence and comparing over time, the rates per 1000 patient days are presented in the next figure.

Figure II.7
DSH Wide Rate of Contact Made and Contact Attempted for Staff Assaults



Note: Rates may not add up consistently due to rounding.

Table II.1
DSH – All Hospitals Staff Assaults – Physical Contact Made / Contact Attempted

Year	Physical Contact	Count	Total Patient Days	Rate	% Change
2016	Contact Made	1528	2196145	0.696	NA
2016	Contact Attempted	1308	2196145	0.596	NA
2017	Contact Made	1644	2210161	0.744	6.9
2017	Contact Attempted	1650	2210161	0.747	25.3
2018	Contact Made	1592	2227120	0.715	-3.9
2018	Contact Attempted	1560	2227120	0.700	-6.2

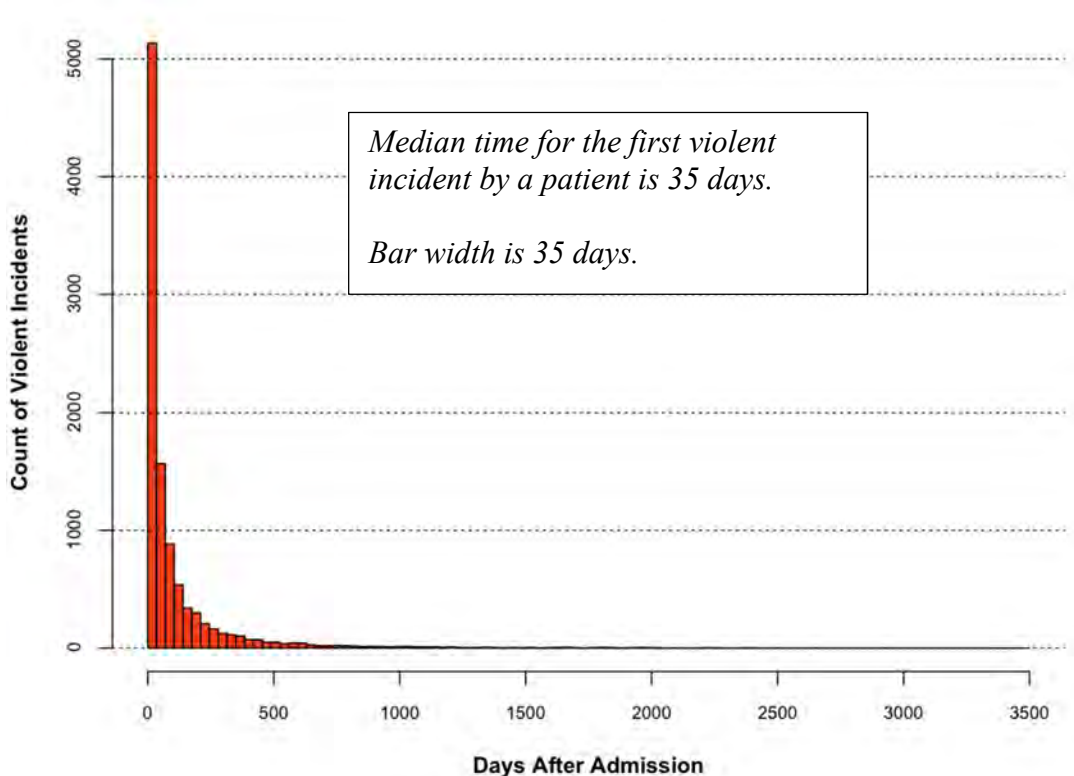
As seen in the table and graph above, both categories of staff assaults decreased, with the largest decrease (6.2%) seen in the category of “Physical Contact Attempted.”

SECTION III. SPECIAL TOPICS IN VIOLENCE AT STATE HOSPITALS

A. Admission to a State Hospital is a Time of Increased Risk for Violence

Admission to a new hospital is a known risk period for seriously mentally ill forensic patients referred to DSH by the court system or the prisons. Research has shown this to be a period of higher stress as a patient acclimates to new surroundings and new social circumstances, different rules, etc. Especially for patients who are not stabilized on treatment medications (such as many new IST patients), this means that they may be more likely to exhibit violent behavior soon after admission.

Figure III.1
DSH New Admissions 2010-2018: When Violent Acts Occur –
Days to First Violent Act After Admission

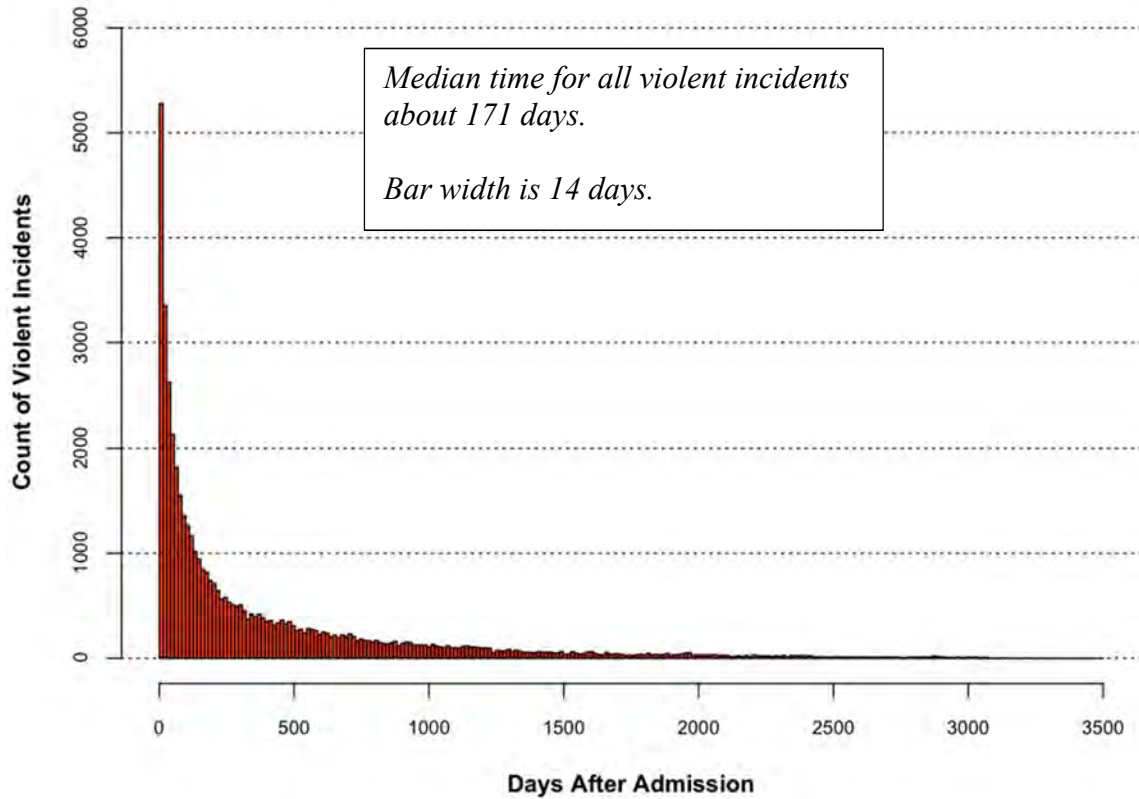


Note: the bars in this figure are 35 days wide, so the first bar shows the total number of violent acts during days 1-35, the second bar shows the total number of violent acts during days 36-70, etc.

The figure above shows when the first violent act by new admits (since 2010) occur. It is clear that the first violent act occurs soon after admission (median time after admission to first violent act is 35 days). In fact, when all violent acts are reviewed (and not just the first act) most violent acts by newly admitted patients occur soon after admission (median time after admission for all

violent acts for new admits is 171 days). This leaves very little margin for treatment teams to assess, plan and initiate treatments to reduce violence risk.

Figure III.2
DSH New Admissions 2010-2018: When Violent Acts Occur –
All Violent Acts - Days After Admission



Note: the bars in this figure are 14 days wide, so the first bar shows the total number of violent acts during days 1-14, the second bar shows the total number of violent acts during days 15 - 28, etc.

As can be seen by this figure, the time immediately after admission is a critical time for each patient and the staff treating them. In terms of violence, this is the time the patient is most at risk of committing a violent act. Similarly, this is also the time that other patients and staff are most at risk for getting assaulted by a patient. At the same time, this is also when DSH clinicians must start actively treating these patients, often with limited background and historical information that could be useful in reducing mental illness symptoms and violence in these patients.

B. Violent Patients Typically Have Repeated Episodes of Violence

As was mentioned briefly in the Executive Summary (and will be detailed later in this report), most patients are not violent during the course of their hospitalization. However, patients who are violent while hospitalized often have multiple episodes of violence during their hospitalization.

Examining the data on patients with violent incidents, Table II.1 shows that during the most recent full calendar year (2018), while most patients treated were not violent, once a patient had one violent incident, there was a very high likelihood that that patient would continue to have subsequent violent incidents. This relationship has been shown to be statistically significant, and predictive of future violence.

Table II.1
Percentage of Patients with a Certain Number of Violent Acts Having a Subsequent Violent Act

VIOLENT ACTS	PATIENTS	% COMMITTING ANOTHER ACT
0	8470	-
1 or more	2288	-
2 or more	1205	1205 / 2288 = 52.7%
3 or more	766	766 / 1205 = 63.6%
4 or more	538	538 / 766 = 70.2%
5 or more	386	386 / 538 = 71.7%
6 or more	305	305 / 386 = 79.0%
7 or more	242	242 / 305 = 79.3%
8 or more	207	207 / 242 = 85.5%
9 or more	176	176 / 207 = 85.0%
10 or more	152	152/176 = 86.4%

C. Violent Patients Have a Longer Length of Stay

Many patients in DSH are rapidly treated and discharged back to their community/referral source. However, when a patient is violent in DSH, they are typically hospitalized longer.

During 2010-2018, for patients admitted and discharged during this time period, the median length of days hospitalized for a patient who exhibited violence while in a DSH hospital was substantially longer than the length of stay for a non-violent patient. In fact, the median length of hospitalization for a patient with 10 or more violent acts was almost five times that of a patient with no violent acts (see Table III.2, below). This is even true for patients with shorter hospitalizations, such as the ISTs.

**Table III.2
 Median Length of Hospitalization (In Days) for Patients in 2018, All Legal Classes**

NUMBER OF VIOLENT ACTS	MEDIAN HOSPITALIZATION (DAYS)
None	112
One	141
Two	168
Three or Four	205
Five to Nine	314
Ten or More	554

These longer periods of hospitalization for the most violent patients has the consequence of increasing the percentage of violent patients (see the next section, [Section III.D](#))

D. Increased Length of Hospitalization for More Violent Patients Results in Higher Percentage of These Dangerous Patients Residing in the Hospitals

Because of both a) the more rapid admission and discharge of patients who are not violent in DSH hospitals and b) the increased length of stay/hospitalization for patients who are violent in DSH, the overall percentage of patients residing in hospital who committed one or more violent acts while hospitalized continues to increase over time.

As noted before, most patients who are admitted to DSH are not violent in the hospitals, despite the overwhelming majority of them being involuntarily hospitalized due to previous violent/dangerous behavior. However, if a patient treated in DSH is violent while in a DSH hospital, they are hospitalized longer. As can be seen in Figure III.3 (and in more detail on Figure III.4) the percentage of patients residing in DSH who were violent in a DSH hospital during their treatment stay has been increasing.

Figure III.3
DSH Hospitals 2013-2018 Daily Percentage of In-Hospital Assaultive Patients Residing in Hospitals

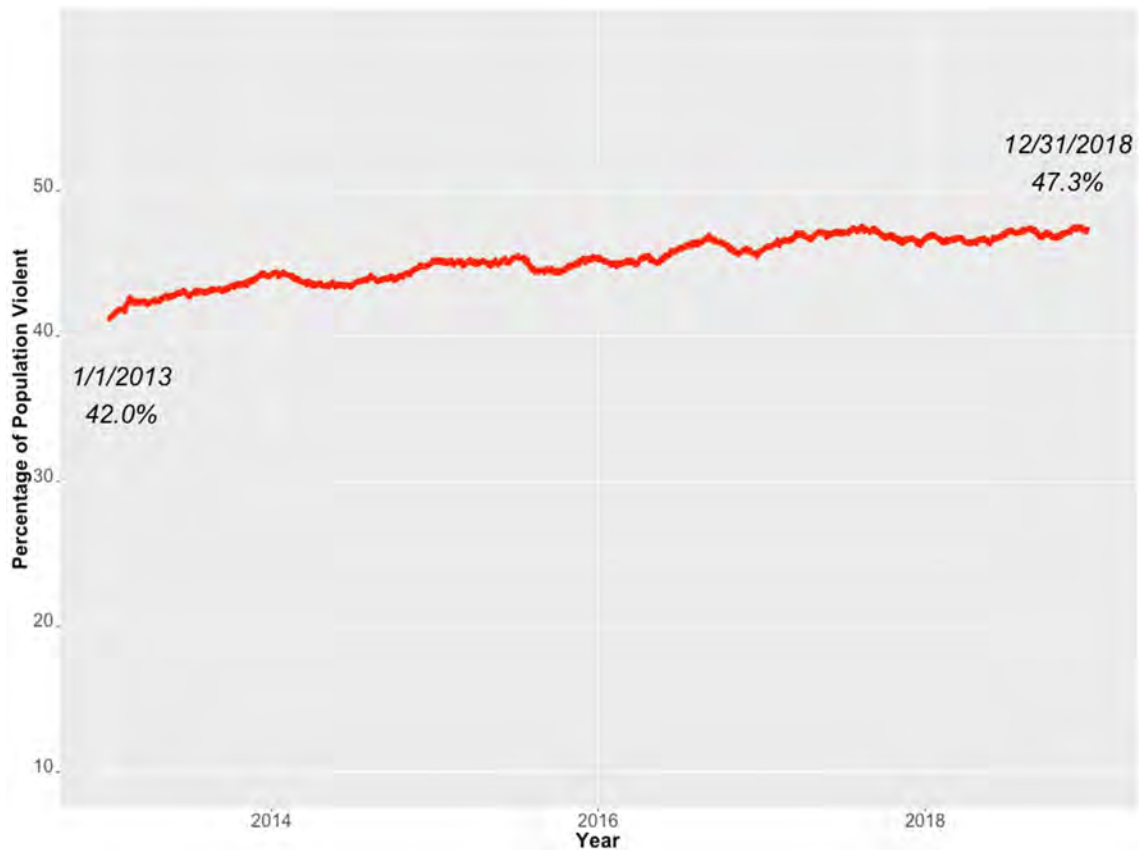
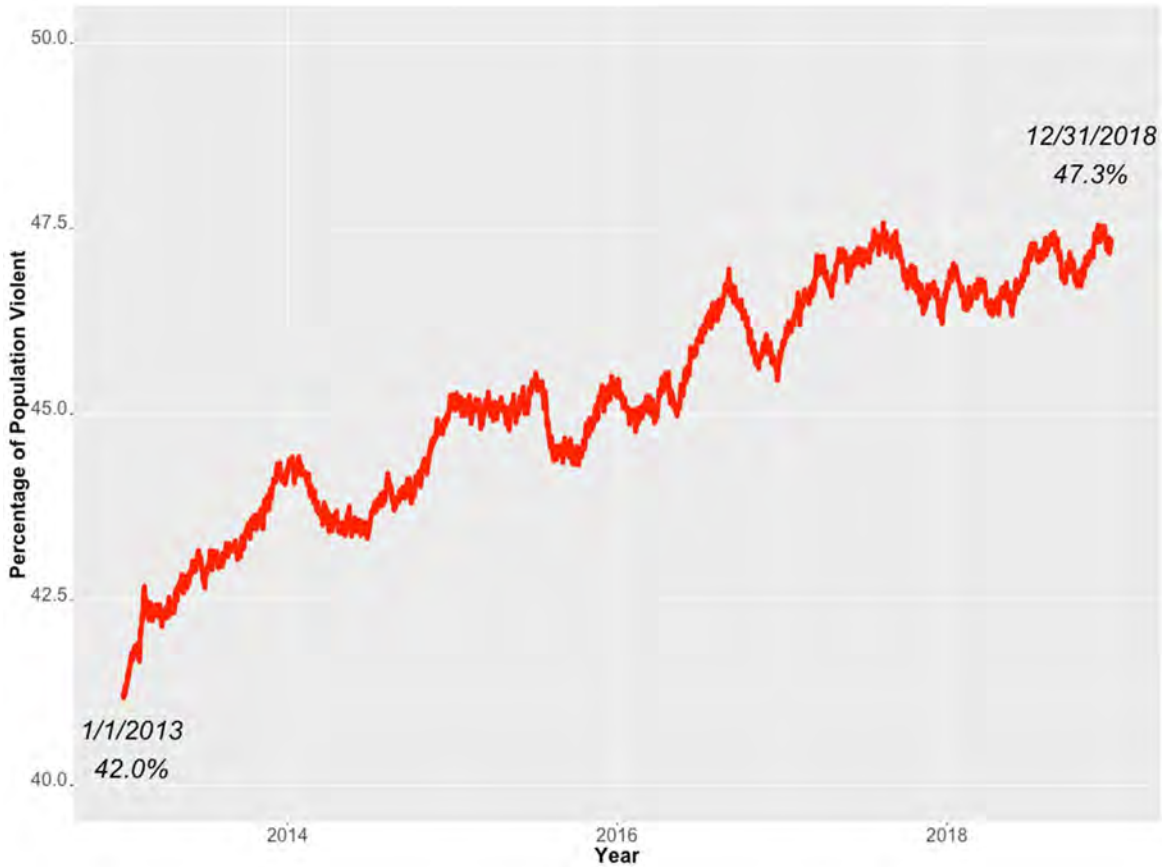


Figure III.4
DSH Hospitals 2013-2018 Daily Percentage of In-Hospital Assaultive Patients Residing in Hospitals

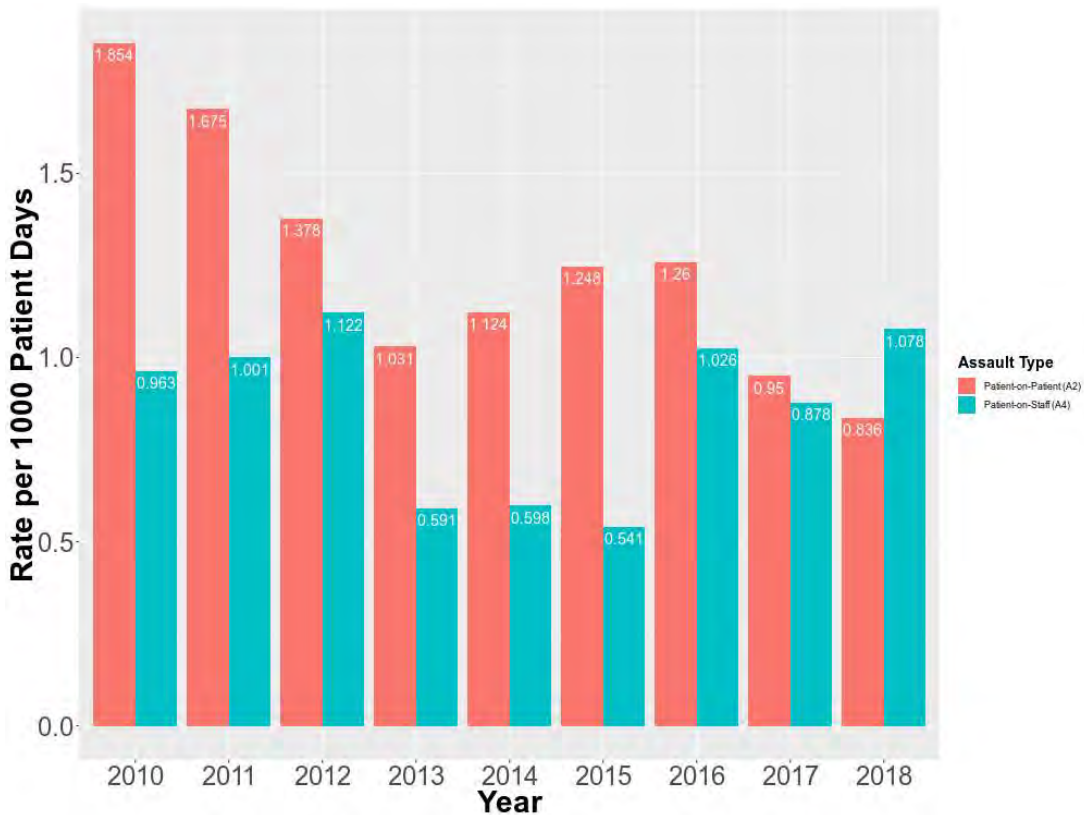


These factors are important to note. Because violent patients are more likely to be violent again while hospitalized, and the composition of patients in DSH hospitals is becoming increasingly violent, there are reasons to be concerned about the potential for increased risk and exposure to violence in DSH hospitals, for both patients and staff.

SECTION IV. HOSPITAL RATES OF VIOLENCE

A. DSH-Atascadero

Figure IV.1
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Atascadero



Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. See [Section II.1.C](#) for further details.

- ▶▶ While percentages vary across different legal classes, overall, in 2018 the number of patient on patient assaults decreased 13.0% from the 2017 (Table IV.A.1), while the number of patient on staff assaults increased by 21.5% from 2017 (see Table IV.A.2).
- ▶▶ Coupled with a population decrease (measured in “total patient days”) in 2018 of 1.1%, the rate of patient on patient assault decreased 12.0% from 2017 (see Table IV.A.1), while the rate of patient on staff assault increased 22.8% from 2017 (see Table IV.A.2).

The following tables provide a yearly summary of the year-over-year changes in the assault rates.

Table IV.A.1
DSH-Atascadero Yearly A2 Patient on Patient Assault Summary

YEAR	A2 PATIENT ON PATIENT ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	768	414309	1.854	NA
2011	684	408478	1.675	-9.7
2012	550	399192	1.378	-17.7
2013	396	384206	1.031	-25.2
2014	442	393302	1.124	9
2015	505	404796	1.248	11
2016	538	427041	1.26	1
2017	408	429536	0.95	-24.6
2018	355	424745	0.836	-12

Table IV.A.2
DSH-Atascadero Yearly A4 Patient on Staff Assault Summary

YEAR	A4 PATIENT ON STAFF ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	399	414309	0.963	NA
2011	409	408478	1.001	3.9
2012	448	399192	1.122	12.1
2013	227	384206	0.591	-47.3
2014	235	393302	0.598	1.2
2015	219	404796	0.541	-9.5
2016	438	427041	1.026	89.6
2017	377	429536	0.878	-14.4
2018	458	424745	1.078	22.8

Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities.

The following figure and table provide further information into the types of staff assaults (Physical Contact-Made and Physical Contact-Attempted), information that has routinely been collected on staff assaults since 2016.

Figure IV.A.2

Yearly Rates of Staff Assault, Contact Made or Attempted, per 1000 Patient Days, at DSH-Atascadero

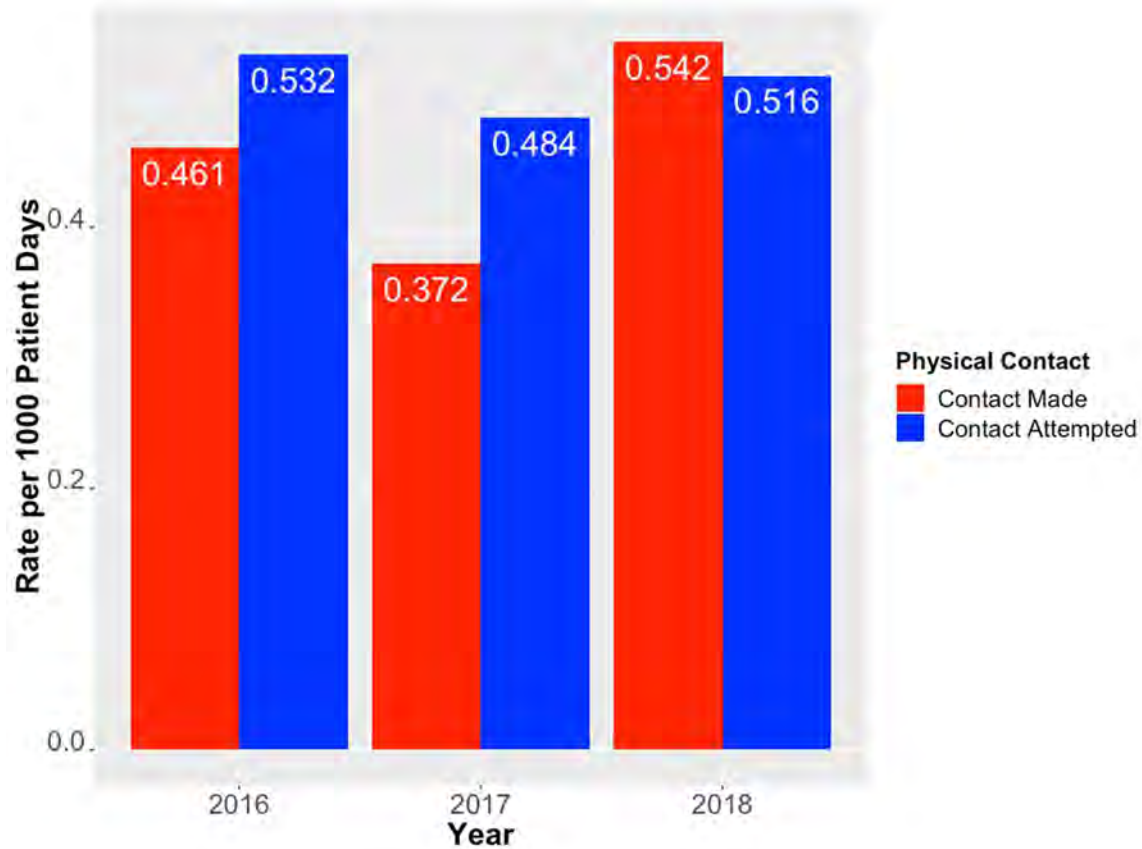


Table IV.A.3

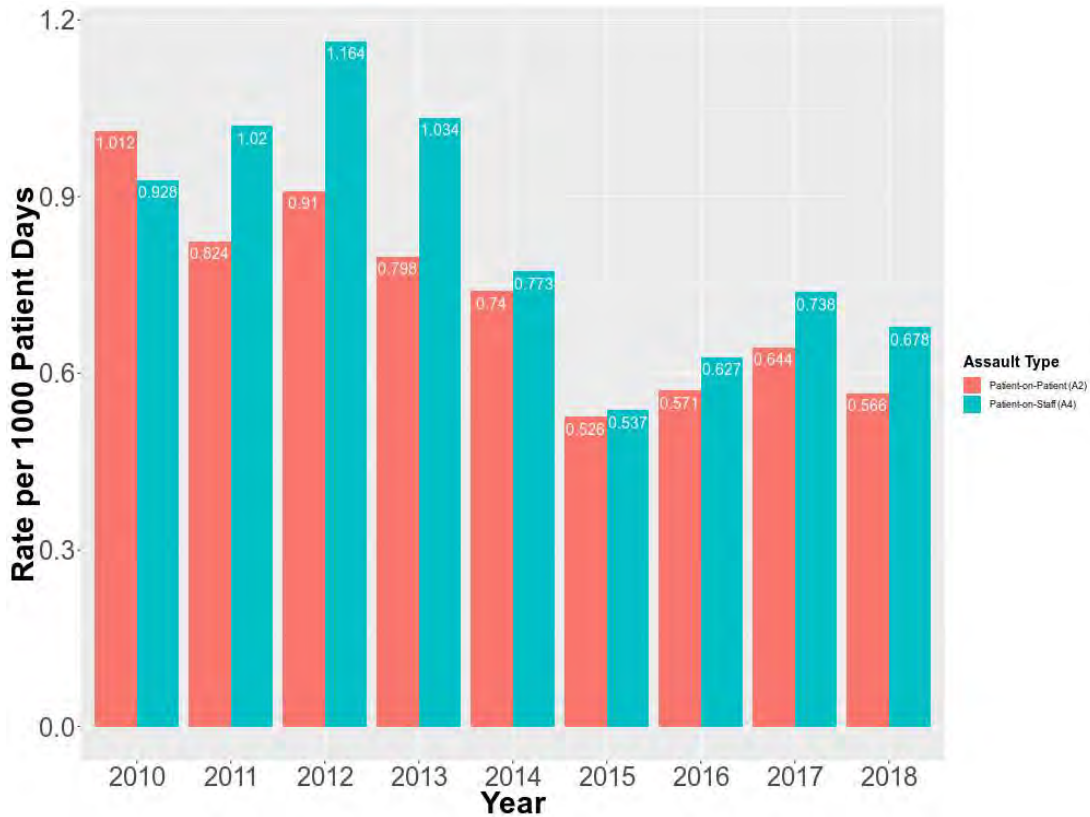
DSH – Atascadero Staff Assaults – Physical Contact Made and Contact Attempted

Year	Physical Contact	Count	Total Patient Days	Rate	% Change
2016	Contact Made	197	427041	0.461	NA
2016	Contact Attempted	227	427041	0.532	NA
2017	Contact Made	160	429536	0.372	-19.3
2017	Contact Attempted	208	429536	0.484	-8.9
2018	Contact Made	230	424745	0.542	45.4
2018	Contact Attempted	219	424745	0.516	6.5

As seen in the graph and table above, both categories of staff assault increased, with the largest increase (45.4%) seen in the category of “Physical Contact Made.”

B. DSH-Coalinga

Figure IV.B.1
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Coalinga



- ▶ While percentages vary across different legal classes, overall, in 2018 the number of patient on patient assaults decreased 9.3% from the 2017 total (see Table IV.B.1), while the number of patient on staff assaults decreased by 5.2% from 2017 (see Table IV.B.2).
- ▶ Coupled with a population increase (measured in “total patient days”) in 2018 of 3.2%, the rate of patient on patient assault decreased 12.1% from 2017 (see Table IV.B.1), while the rate of patient on staff assault decreased 8.1% from 2017 (see Table IV.B.2).

The following tables provide a yearly summary of the year-over-year changes in the assault rates.

Table IV.B.1
DSH-Coalinga Yearly A2 Patient on Patient Assault Summary

YEAR	A2 PATIENT ON PATIENT ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	352	347927	1.012	NA
2011	290	352043	0.824	-18.6
2012	344	378122	0.91	10.4
2013	317	397491	0.798	-12.3
2014	312	421876	0.74	-7.3
2015	233	443186	0.526	-28.9
2016	266	465622	0.571	8.6
2017	302	468994	0.644	12.8
2018	274	483820	0.566	-12.1

Table IV.B.2
DSH-Coalinga Yearly A4 Patient on Staff Assault Summary

YEAR	A4 PATIENT ON STAFF ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	323	347927	0.928	NA
2011	359	352043	1.02	9.9
2012	440	378122	1.164	14.1
2013	411	397491	1.034	-11.2
2014	326	421876	0.773	-25.2
2015	238	443186	0.537	-30.5
2016	292	465622	0.627	16.8
2017	346	468994	0.738	17.7
2018	328	483820	0.678	-8.1

The following chart and table provide further information into the types of staff assaults (Physical Contact-Made and Physical Contact-Attempted), information that has routinely been collected on staff assaults since 2016.

Figure IV.B.2

Yearly Rates of Staff Assault, Contact Made or Attempted, per 1000 Patient Days, at DSH-Coalinga

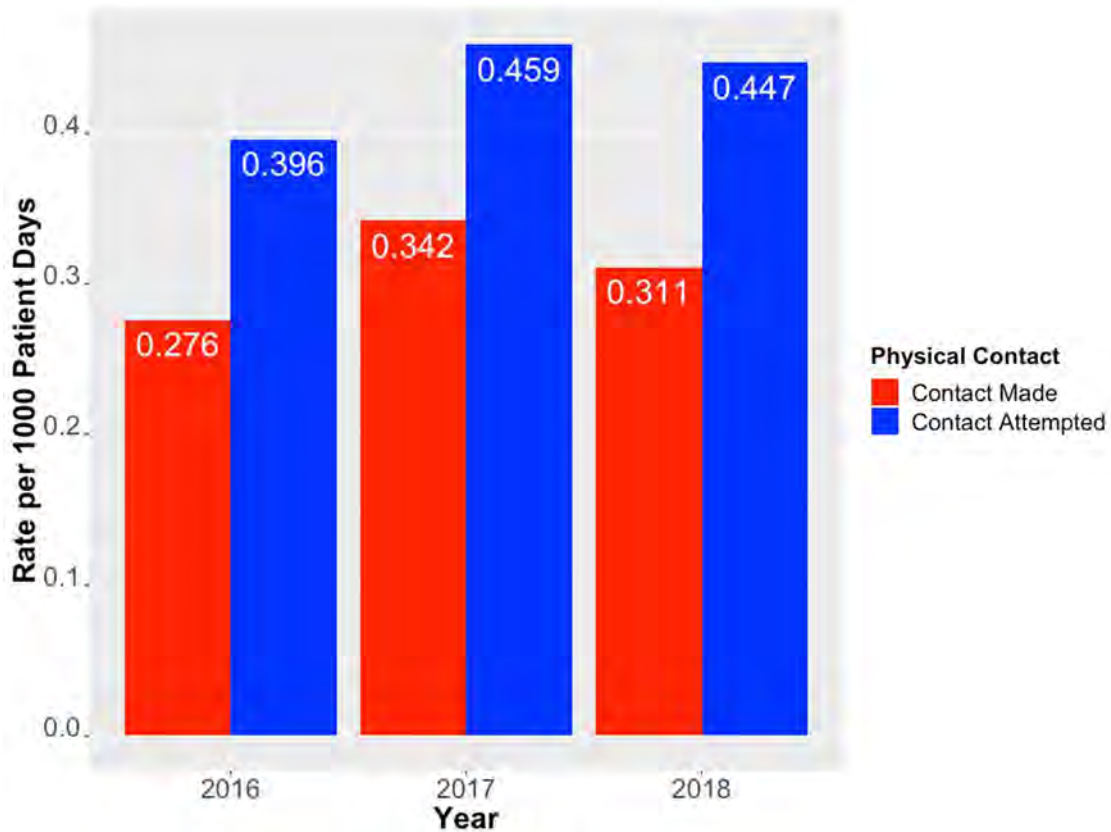


Table IV.B.3

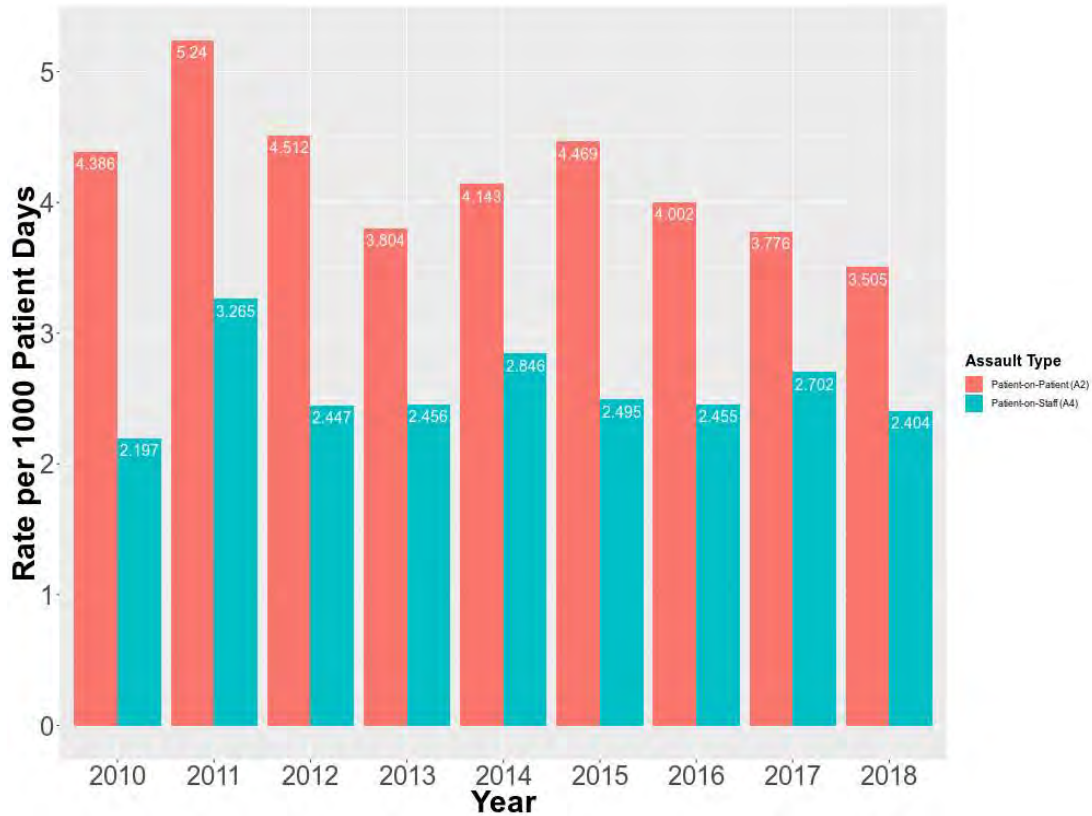
DSH – Coalinga Staff Assaults – Physical Contact Made and Contact Attempted

Year	Physical Contact	Count	Total Patient Days	Rate	% Change
2016	Contact Made	118	427041	0.276	NA
2016	Contact Attempted	169	427041	0.396	NA
2017	Contact Made	147	429536	0.342	23.9
2017	Contact Attempted	197	429536	0.459	15.9
2018	Contact Made	132	424745	0.311	-9.2
2018	Contact Attempted	190	424745	0.447	-2.5

As seen in the table and graph above, both categories of staff assaults decreased, with the largest decrease (9.2%) seen in the category of “Physical Contact Made.”

C. DSH-Metropolitan

Figure IV.C.1
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Metropolitan



- ▶▶ While percentages vary across different legal classes, overall, in 2018 the number of patient on patient assaults decreased 5.7% from the 2017 total (see Table IV.C.1), while the number of patient on staff assaults decreased by 9.6% from 2017 (see Table IV.C.2).
- ▶▶ Coupled with a population increase (measured in “total patient days”) in 2018 of 1.7%, the rate of patient on patient assault decreased 7.2% from 2017 (see Table IV.C.1), while the rate of patient on staff assault decreased 11.0% from 2017 (see Table IV.C.2).

The following tables provide a yearly summary of the year-over-year changes in the assault rates.

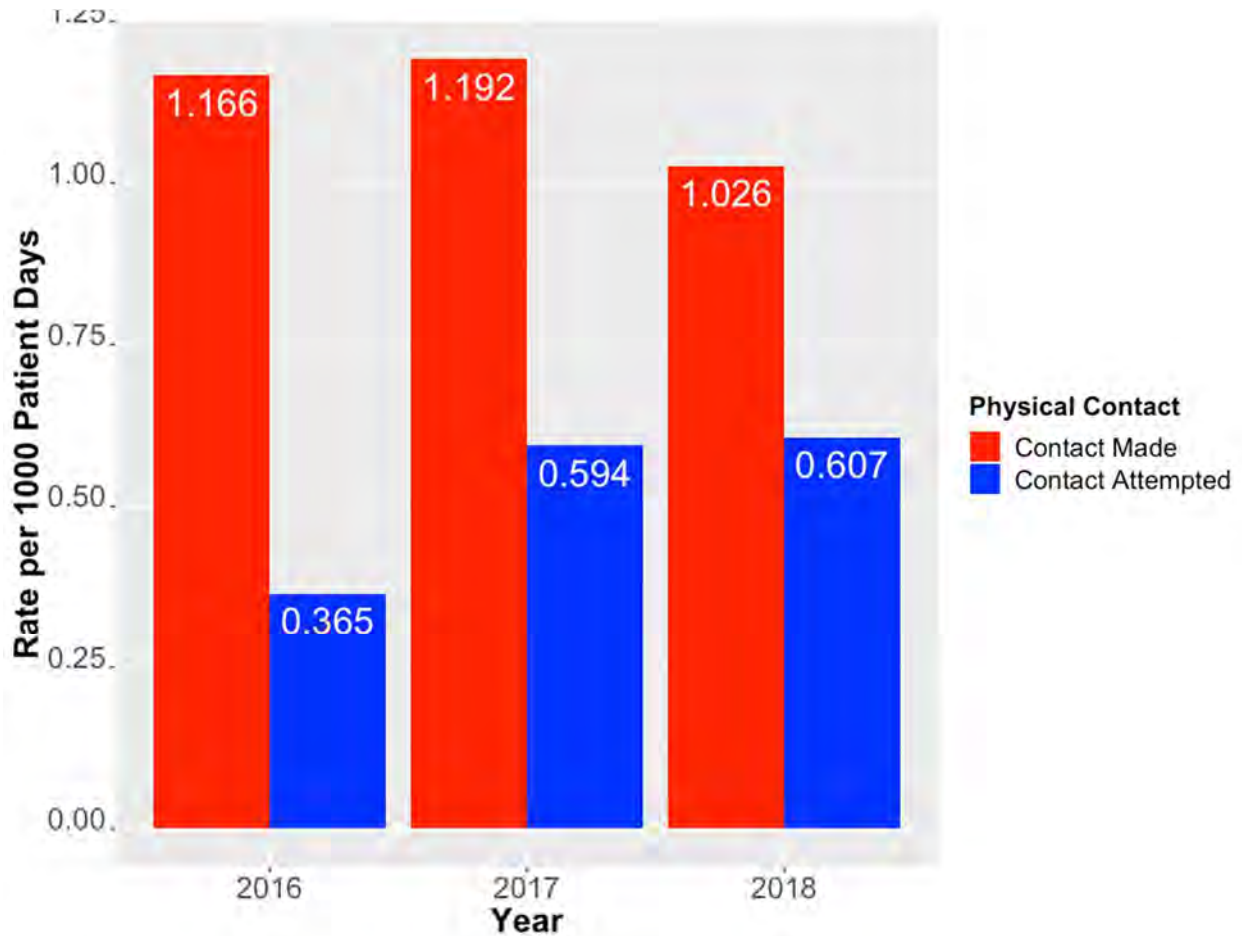
Table IV.C.1
DSH-Metropolitan Yearly A2 Patient on Patient Assault Summary

YEAR	A2 PATIENT ON PATIENT ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	1034	235766	4.386	NA
2011	1186	226342	5.24	19.5
2012	1060	234939	4.512	-13.9
2013	909	238968	3.804	-15.7
2014	1070	258248	4.143	8.9
2015	1193	266946	4.469	7.9
2016	1097	274139	4.002	-10.4
2017	1097	290523	3.776	-5.6
2018	1035	295325	3.505	-7.2

Table IV.C.2
DSH-Metropolitan Yearly A4 Patient on Staff Assault Summary

YEAR	A4 PATIENT ON STAFF ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	518	235766	2.197	NA
2011	739	226342	3.265	48.6
2012	575	234939	2.447	-25.1
2013	587	238968	2.456	0.4
2014	735	258248	2.846	15.9
2015	666	266946	2.495	-12.3
2016	673	274139	2.455	-1.6
2017	785	290523	2.702	10.1
2018	710	295325	2.404	-11

The following chart and table provide further information into the types of staff assaults (Physical Contact-Made and Physical Contact-Attempted), information that has routinely been collected on staff assaults since 2016.

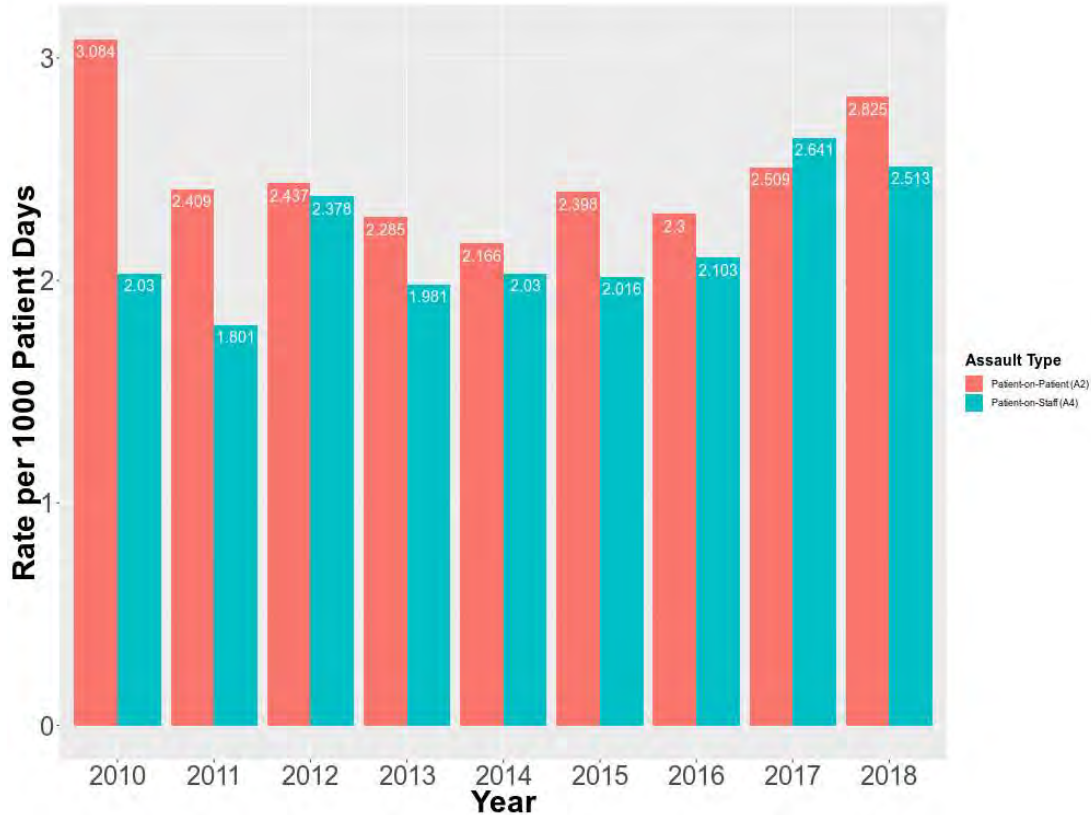
Figure IV.C.2**Yearly Rates of Staff Assault, Contact Made or Attempted, per 1000 Patient Days, at DSH-Metropolitan****Table IV.C.3****DSH – Metro Staff Assaults – Physical Contact Made and Contact Attempted**

Year	Physical Contact	Count	Total Patient Days	Rate	% Change
2016	Contact Made	498	427041	1.166	NA
2016	Contact Attempted	156	427041	0.365	NA
2017	Contact Made	512	429536	1.192	2.2
2017	Contact Attempted	255	429536	0.594	62.5
2018	Contact Made	436	424745	1.026	-13.9
2018	Contact Attempted	258	424745	0.607	2.3

As seen in the table and graph above, the category of “Physical Contact Attempted” increased 2.3% from the previous year, while the category of “Physical Contact Made” decreased 13.9%.

D. DSH-Napa

Figure IV.D.1
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Napa



- ▶ While percentages vary across different legal classes, overall, in 2018 the number of patient on patient assaults increased 14.8% from the 2017 total (see Table IV.D.1), while the number of patient on staff assaults decreased by 2.9% from 2017 (see Table IV.D.2).
- ▶ Coupled with a population increase (measured in “total patient days”) in 2018 of 1.9%, the rate of patient on patient assault increased 12.6% from 2017 (see Table IV.D.1), while the rate of patient on staff assault decreased 4.8% from 2017 (see Table IV.D.2).

The following tables provide a yearly summary of the year-over-year changes in the assault rates.

Table IV.D.1
DSH-Napa Yearly A2 Patient on Patient Assault Summary

YEAR	A2 PATIENT ON PATIENT ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	1317	427035	3.084	NA
2011	1037	430428	2.409	-21.9
2012	1075	441062	2.437	1.2
2013	999	437112	2.285	-6.2
2014	939	433562	2.166	-5.2
2015	1054	439490	2.398	10.7
2016	1052	457470	2.3	-4.1
2017	1145	456309	2.509	9.1
2018	1314	465118	2.825	12.6

Table IV.D.2
DSH-Napa Yearly A4 Patient on Staff Assault Summary

YEAR	A4 PATIENT ON STAFF ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	867	427035	2.03	NA
2011	775	430428	1.801	-11.3
2012	1049	441062	2.378	32
2013	866	437112	1.981	-16.7
2014	880	433562	2.03	2.5
2015	886	439490	2.016	-0.7
2016	962	457470	2.103	4.3
2017	1205	456309	2.641	25.6
2018	1169	465118	2.513	-4.8

The following chart and table provide further information into the types of staff assaults (Physical Contact-Made and Physical Contact-Attempted), information that has routinely been collected on staff assaults since 2016.

Figure IV.D.2
Yearly Rates of Staff Assault, Contact Made or Attempted, per 1000 Patient Days, at DSH-Napa

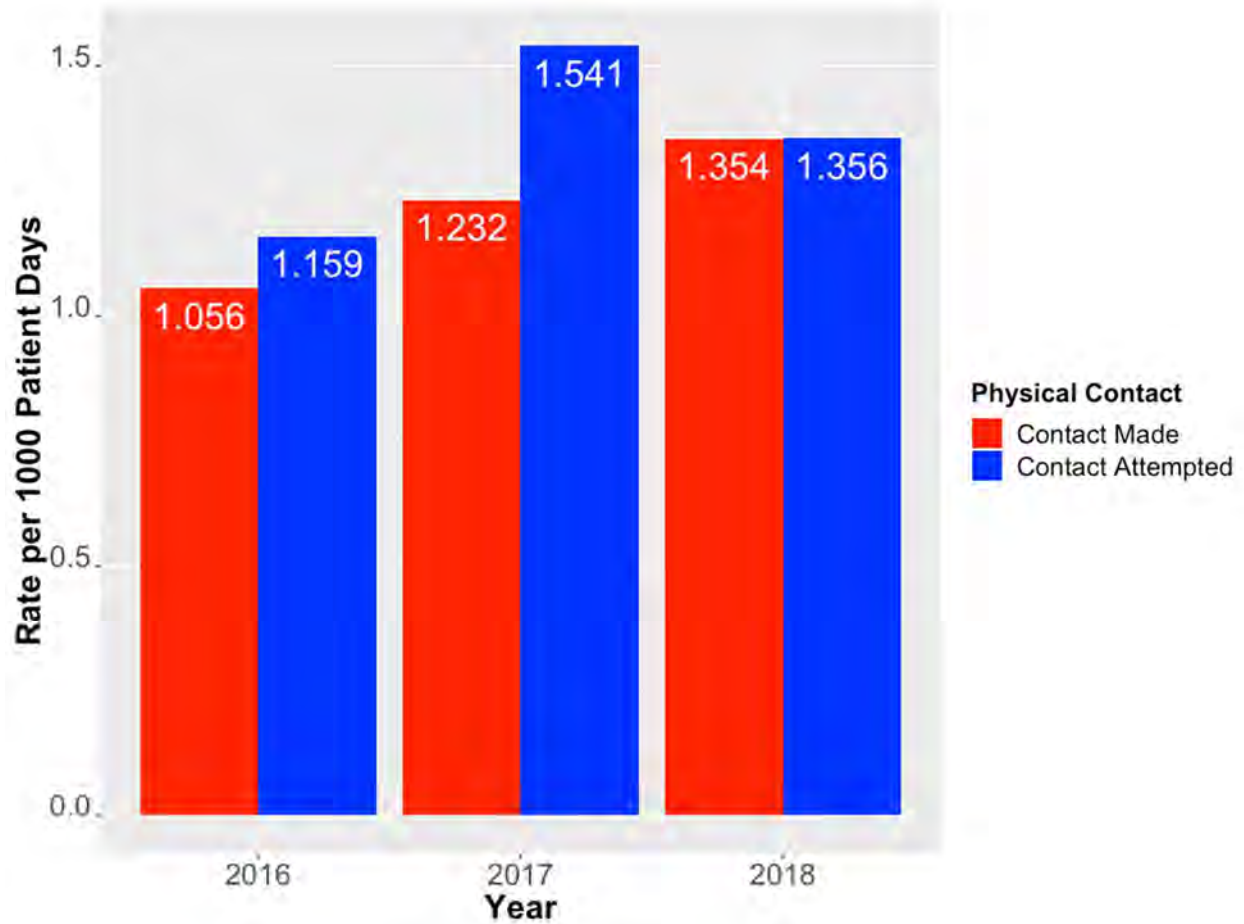


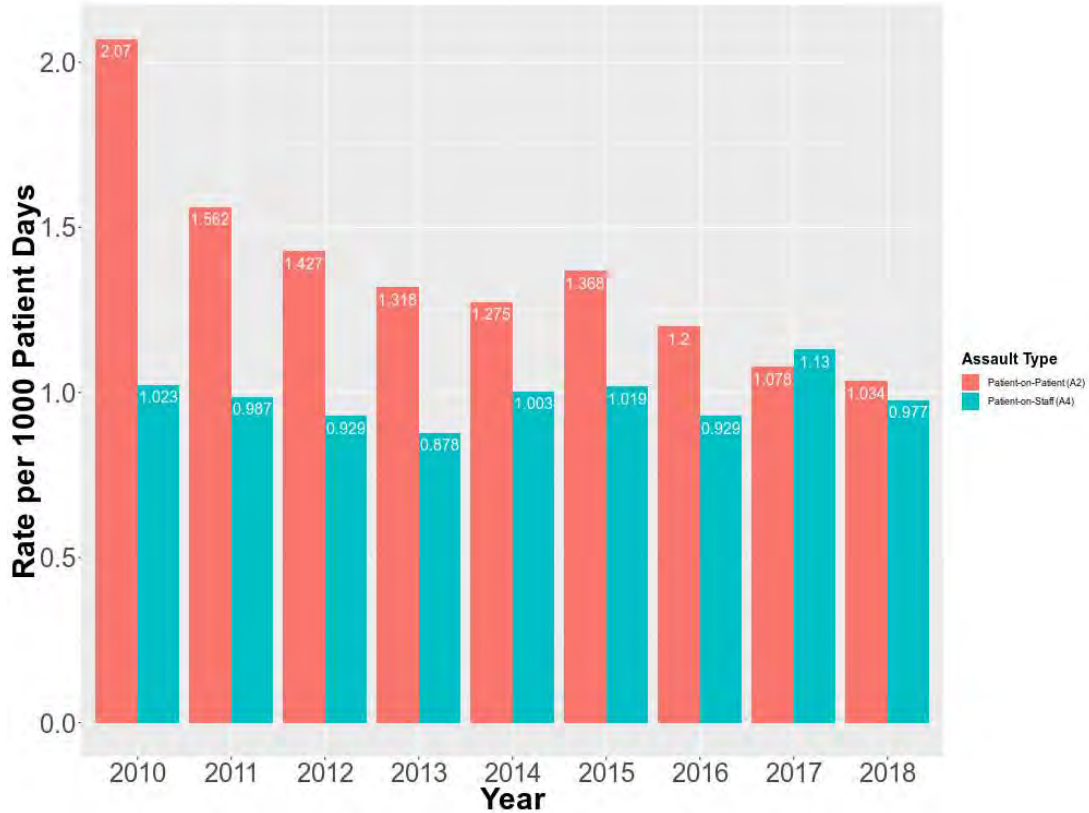
Table IV.D.3
DSH – Napa Staff Assaults – Physical Contact Made and Contact Attempted

Year	Physical Contact	Count	Total Patient Days	Rate	% Change
2016	Contact Made	451	427041	1.056	NA
2016	Contact Attempted	495	427041	1.159	NA
2017	Contact Made	529	429536	1.232	16.6
2017	Contact Attempted	662	429536	1.541	33
2018	Contact Made	575	424745	1.354	9.9
2018	Contact Attempted	576	424745	1.356	-12

As seen in the table and graph above, the category of “Physical Contact Made” increased by a rate of 9.9%, while the category of “Physical Contact Attempted” decreased by 12.0%. So while the overall rate of staff assaults decreased by 4.8%, the subcategory of assaults on staff where physical contact was made increased by 9.9%.

E. DSH-Patton

Figure IV.E.1
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Patton



- ▶ While percentages vary across different legal classes, overall, in 2018 the number of patient on patient assaults decreased 5.2% from the 2017 total (see Table IV.E.1), while the number of patient on staff assaults decreased by 14.6% from 2017 (see Table IV.E.2).
- ▶ Coupled with a population decrease (measured in “total patient days”) in 2018 of 1.2%, the rate of patient on patient assault decreased 4.1% from 2017 (see Table IV.E.1), while the rate of patient on staff assault decreased 13.5% from 2017 (see Table IV.E.2).

The following tables provide a yearly summary of the year-over-year changes in the assault rates.

Table IV.E.1
DSH-Patton Yearly A2 Patient on Patient Assault Summary

YEAR	A2 PATIENT ON PATIENT ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	1190	574958	2.07	NA
2011	882	564493	1.562	-24.5
2012	815	571324	1.427	-8.6
2013	751	569788	1.318	-7.6
2014	723	567247	1.275	-3.3
2015	775	566388	1.368	7.3
2016	686	571873	1.2	-12.3
2017	609	564799	1.078	-10.2
2018	577	558112	1.034	-4.1

Table IV.E.2
DSH-Patton Yearly A4 Patient on Staff Assault Summary

YEAR	A4 PATIENT ON STAFF ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	588	574958	1.023	NA
2011	557	564493	0.987	-3.5
2012	531	571324	0.929	-5.9
2013	500	569788	0.878	-5.5
2014	569	567247	1.003	14.2
2015	577	566388	1.019	1.6
2016	531	571873	0.929	-8.8
2017	638	564799	1.13	21.6
2018	545	558112	0.977	-13.5

The following chart and table provide further information into the types of staff assaults (Physical Contact-Made and Physical Contact-Attempted), information that has routinely been collected on staff assaults since 2016.

Figure IV.E.2
Yearly Rates of Staff Assault, Contact Made or Attempted, per 1000 Patient Days, at DSH-Patton

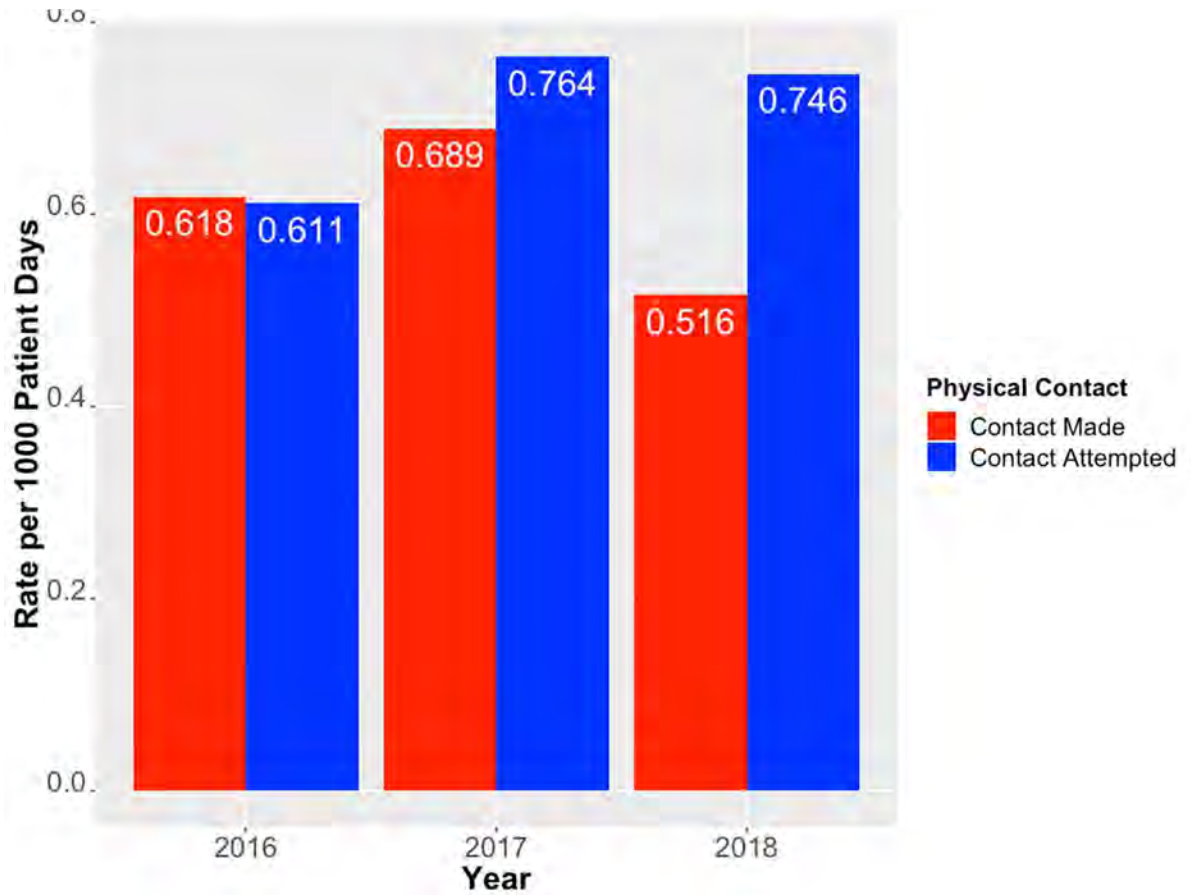


Table IV.E.3
DSH – Patton Staff Assaults – Physical Contact Made and Contact Attempted

Year	Physical Contact	Count	Total Patient Days	Rate	% Change
2016	Contact Made	264	427041	0.618	NA
2016	Contact Attempted	261	427041	0.611	NA
2017	Contact Made	296	429536	0.689	11.5
2017	Contact Attempted	328	429536	0.764	24.9
2018	Contact Made	219	424745	0.516	-25.2
2018	Contact Attempted	317	424745	0.746	-2.3

As seen in the table and graph above, both categories of staff assaults decreased, with the largest decrease (25.2%) seen in the category of “Physical Contact Made.”

SECTION V: NUMBER OF INDIVIDUAL (UNIQUE) PATIENT AGGRESSORS

A. Patients and Aggressors in 2010

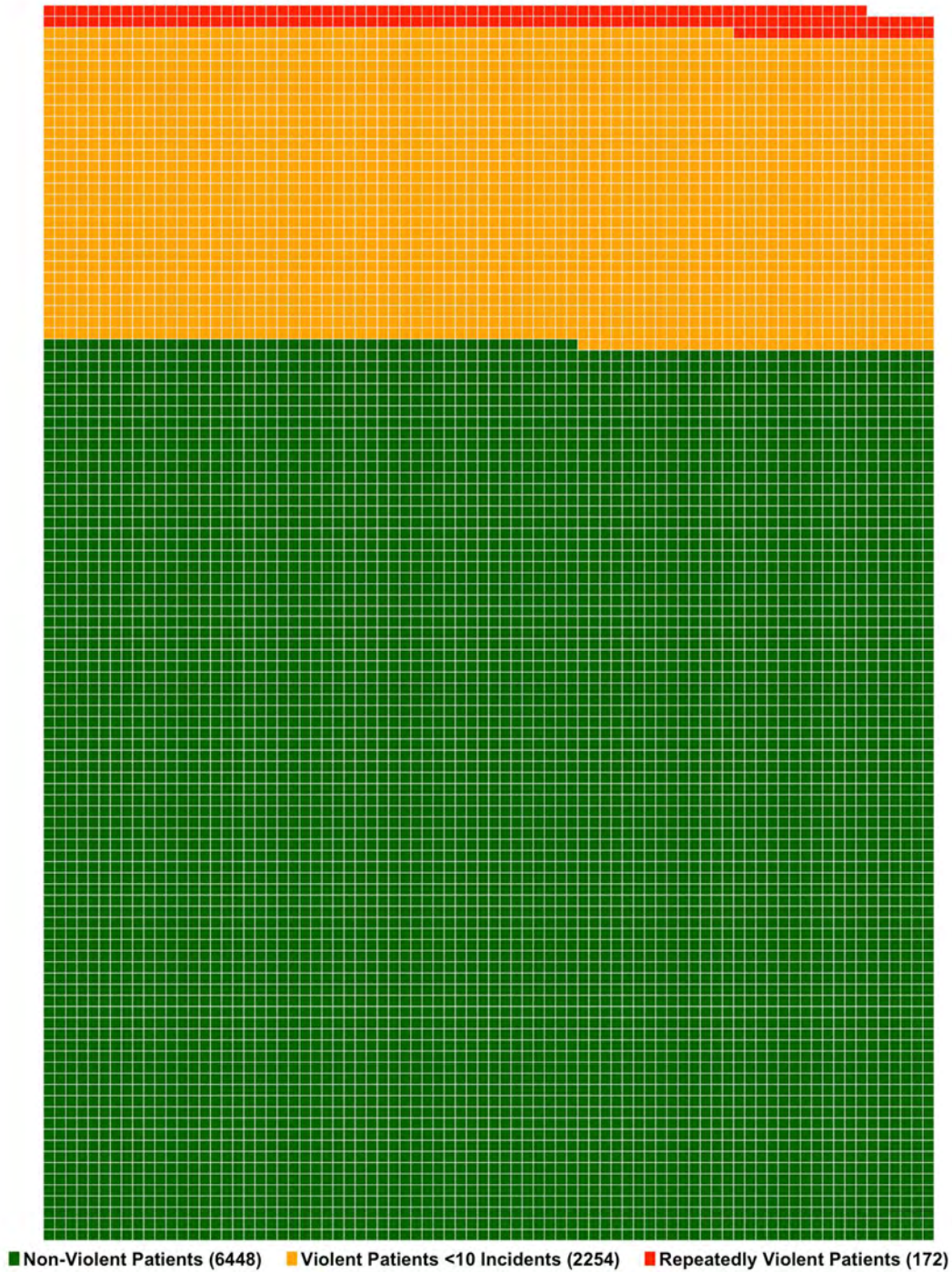
As can be seen in Figure V.1, in 2010 the number of patients treated in DSH hospitals during the year totaled 8,874. Of these, most patients (6,448) were not violent (shown in green), while 2,426 patients were violent (the number of patients having 1-9 violent acts was 2,254, those with 10 or more violent acts numbered 172).

Thus, violent patients as a percentage of all patients treated were 27.3% of all those treated during 2010. As noted previously in [Section III.C.](#), because the hospitals will more rapidly discharge non-violent patients and retain violent patients for further treatment, at any given time, the hospital population had a much higher percentage of violent patients, usually between 42 to 47%.

In 2018, the 152 patients with 10 or more violent incidents in that year accounted for 39.4% of all violent patient on patient and patient on staff assault incidents; see Section VII.A. of this report for more information on this.

This pattern of a small number of patients causing a larger percentage of violent acts is a pattern that is consistently seen throughout the years; please refer to Appendix for a similar review of the years 2010 – 2017.

Figure V.1
2010 DSH Patients and Aggressors, 1 Square = 1 Patient



SECTION VI: PATIENT INJURY SEVERITY DATA

In this section, information on patient injury severity is presented for the patient victims of patient assault.

The information on injury severity is given by the descriptors “S1” through “S5” based on the level of treatment needed by the patient (“S1” being the least severe injury level, and “S5” being the most severe injury level), see the descriptors in the table below:

Table VI.1
Injury Severity Codes and Descriptions

CODE	DESCRIPTION
S1	No treatment
S2	Minor first aid
S3	Medical treatment
S4	Hospitalization
S5	Death

Readers should note that this report only contains information on patient injuries. Consistent staff injury data collection presents unique challenges due to the confidential nature of staff’s protected health information. Currently, there is no way to reliably collect or present staff injury data in the same way that patient injury data is collected and presented.

The injury severity rates are presented in terms of rates per 100,000 patient days.

A. Patient Victim Injuries Suffered During Assaults

Injury Severity SI – No Treatment

Figure VI.1
Annual Rate of Patient Injury Due to Assault: Severity SI - No Treatment (Victims), per 100,000 Patient Days

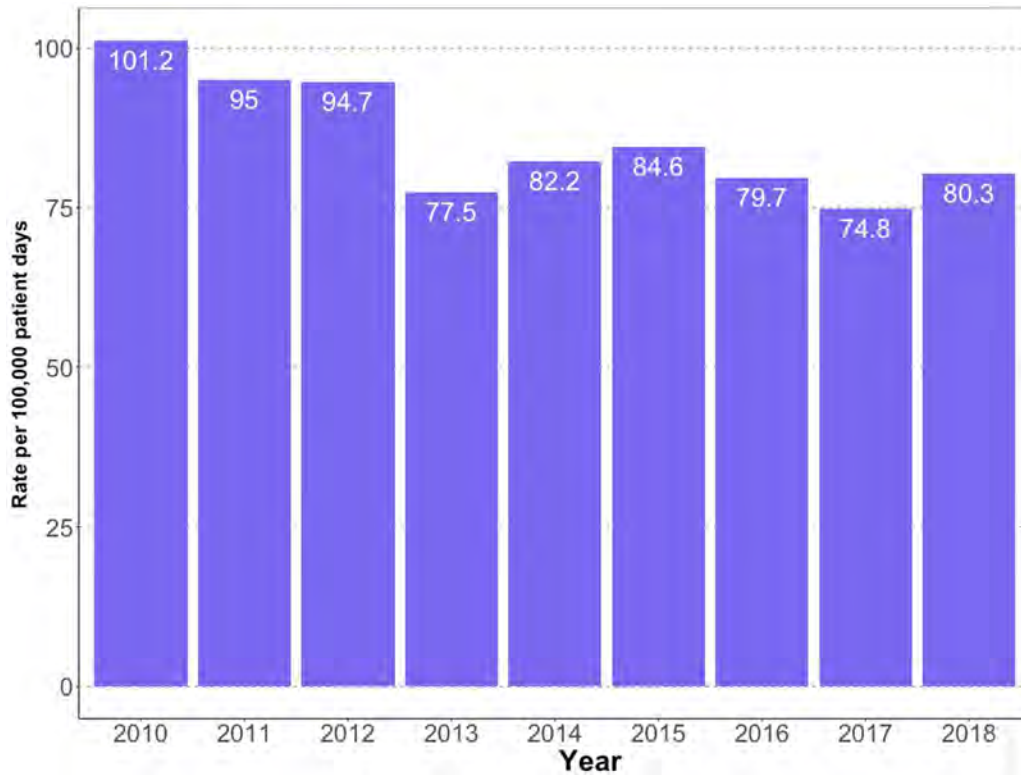


Table VI.2
SI Victim Injury Rates

YEAR	TOTAL PATIENT DAYS	COUNT	RATE PER 100,000 DAYS
2010	1999995	2024	101.2
2011	1981784	1882	95
2012	2024639	1917	94.7
2013	2027565	1571	77.5
2014	2074235	1705	82.2
2015	2120806	1795	84.6
2016	2196145	1751	79.7
2017	2210161	1654	74.8
2018	2227120	1789	80.3

Injury Severity S2 – Minor First Aid

Figure VI.2

Annual Rate of Patient Injury Due to Assault: Severity S2 - Minor First Aid (Victims), per 100,000 Patient Days

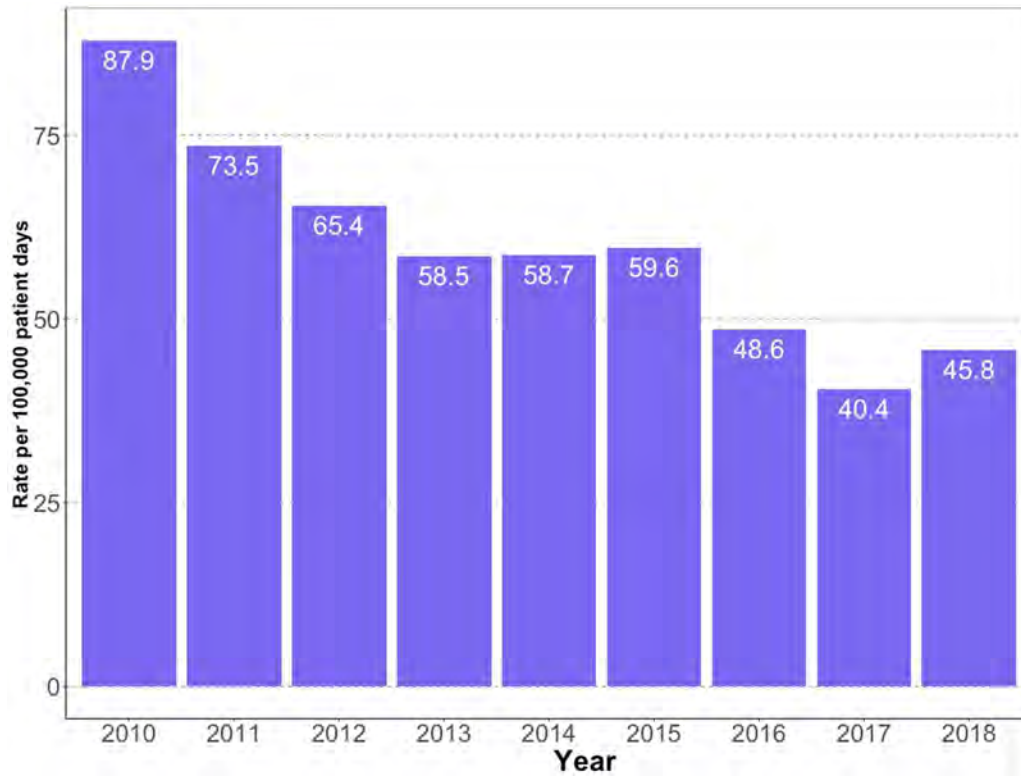


Table VI.3

S2 Victim Injury Rates

YEAR	TOTAL PATIENT DAYS	COUNT	RATE PER 100,000 DAYS
2010	1999995	1757	87.9
2011	1981784	1456	73.5
2012	2024639	1325	65.4
2013	2027565	1187	58.5
2014	2074235	1218	58.7
2015	2120806	1264	59.6
2016	2196145	1067	48.6
2017	2210161	893	40.4
2018	2227120	1021	45.8

Injury Severity S3 – Medical Treatment

Figure VI.3
Annual Rate of Patient Injury Due to Assault: Severity S3 – Medical Treatment (Victims), per 100,000 Patient Days

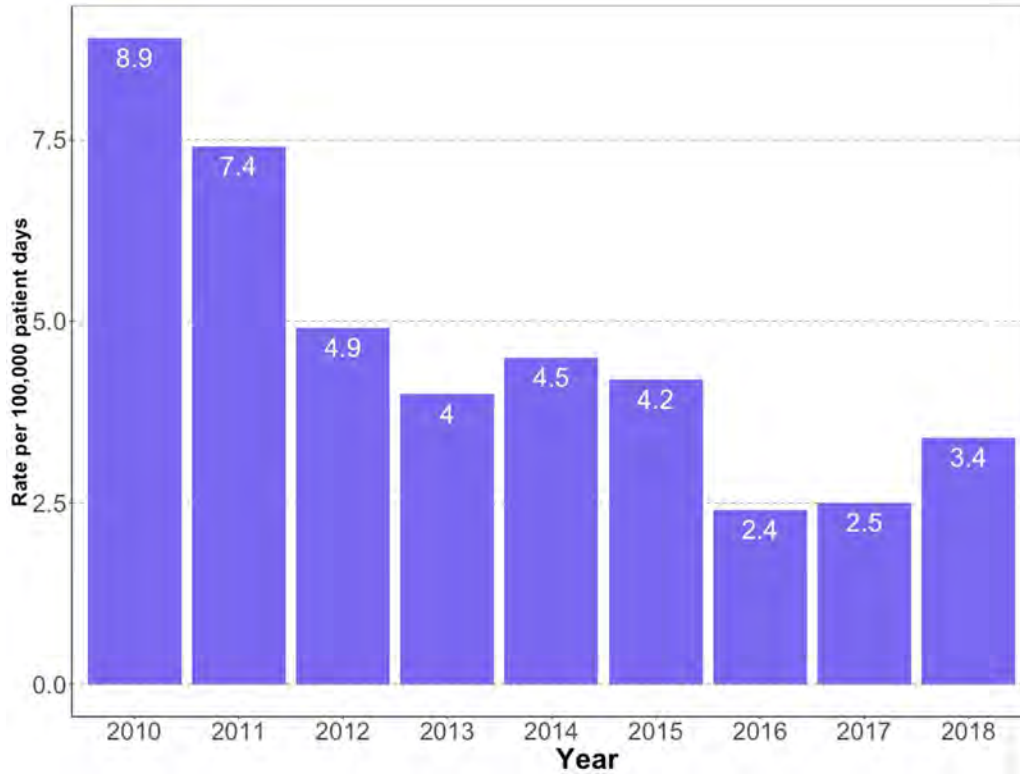


Table VI.4
S3 Victim Injury Rates

YEAR	TOTAL PATIENT DAYS	COUNT	RATE PER 100,000 DAYS
2010	1999995	178	8.9
2011	1981784	146	7.4
2012	2024639	100	4.9
2013	2027565	82	4
2014	2074235	93	4.5
2015	2120806	90	4.2
2016	2196145	52	2.4
2017	2210161	55	2.5
2018	2227120	75	3.4

Injury Severity S4 – Hospitalization

Figure VI.4

Annual Rate of Patient Injury Due to Assault: Severity S4 – Hospitalization (Victims), per 100,000 Patient Days

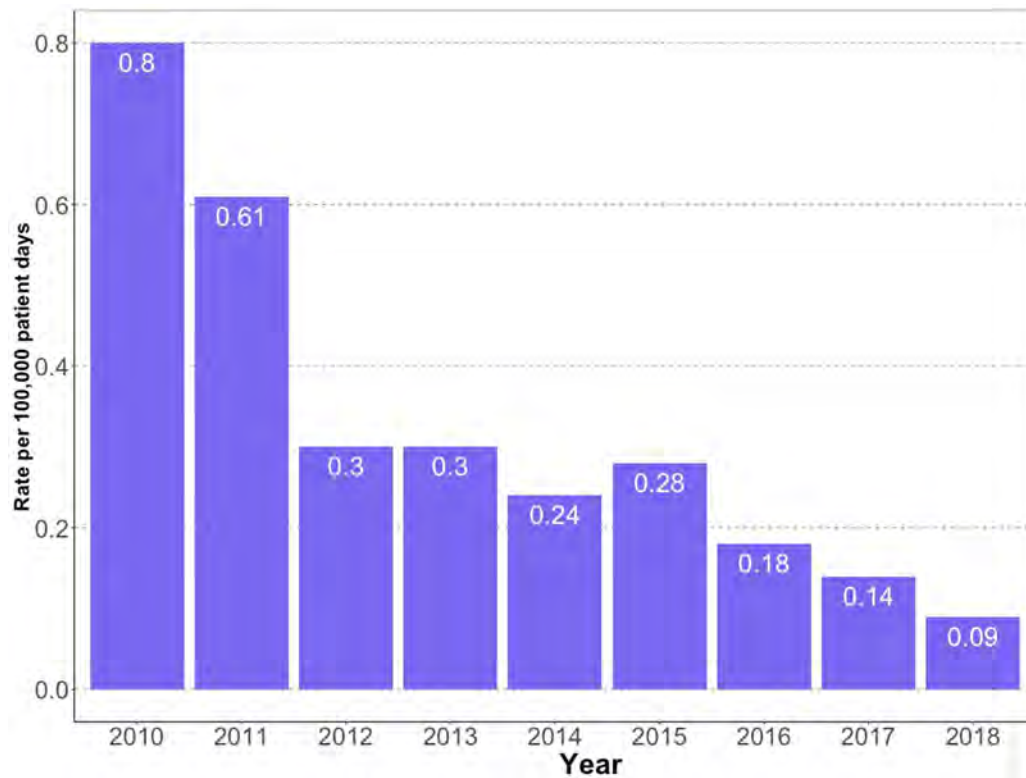


Table VI.5

S4 Victim Injury Rates

YEAR	TOTAL PATIENT DAYS	COUNT	RATE PER 100,000 DAYS
2010	1999995	16	0.8
2011	1981784	12	0.61
2012	2024639	6	0.3
2013	2027565	6	0.3
2014	2074235	5	0.24
2015	2120806	6	0.28
2016	2196145	4	0.18
2017	2210161	3	0.14
2018	2227120	2	0.09

Injury Severity S5 – Death

Figure VI.5
Annual Rate of Patient Injury Due to Assault: Severity S5 – Death (Victims), per 100,000 Patient Days

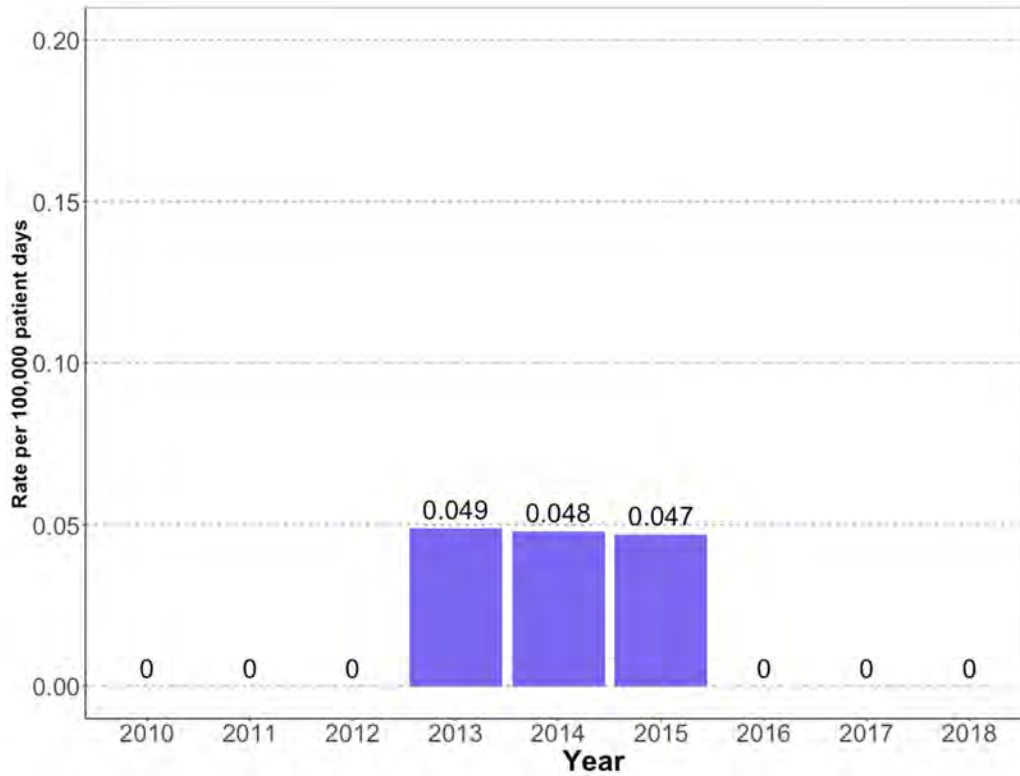


Table VI.6
S5 Victim Injury Rates

YEAR	TOTAL PATIENT DAYS	COUNT	RATE PER 100,000 DAYS
2010	1999995	0	0
2011	1981784	0	0
2012	2024639	0	0
2013	2027565	1	0.049
2014	2074235	1	0.048
2015	2120806	1	0.047
2016	2196145	0	0
2017	2210161	0	0
2018	2227120	0	0

SECTION VII: NUMBER OF PATIENTS WITH 10 OR MORE ASSAULTS PER YEAR

A. Patients with 10 or More Aggressive Acts in a Single Year

The number of individual patients with more than 10 aggressive/violent incidents per year increased 0.7% (from 151 patients to 152) from the previous year, as can be seen below in Figure VII.1. This is despite a 2.5% increase in total patients in 2018 (there were 10,499 unique patients treated in DSH during 2017 and 10,758 unique patients treated in 2018).

Figure VII.1
Number of Individual Patients with 10 or More Assaults in a Calendar Year

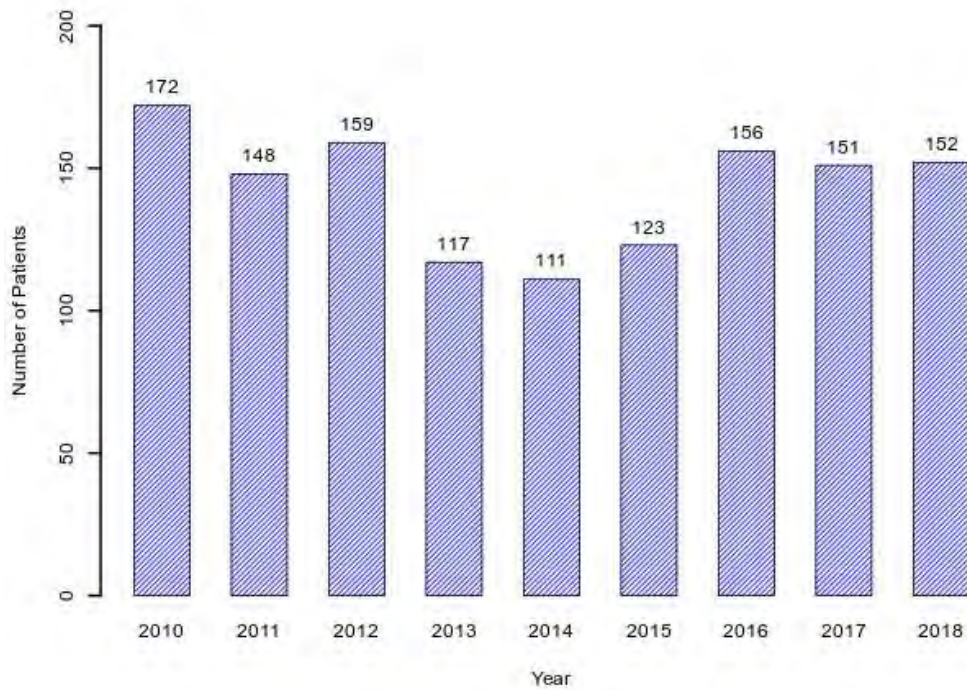
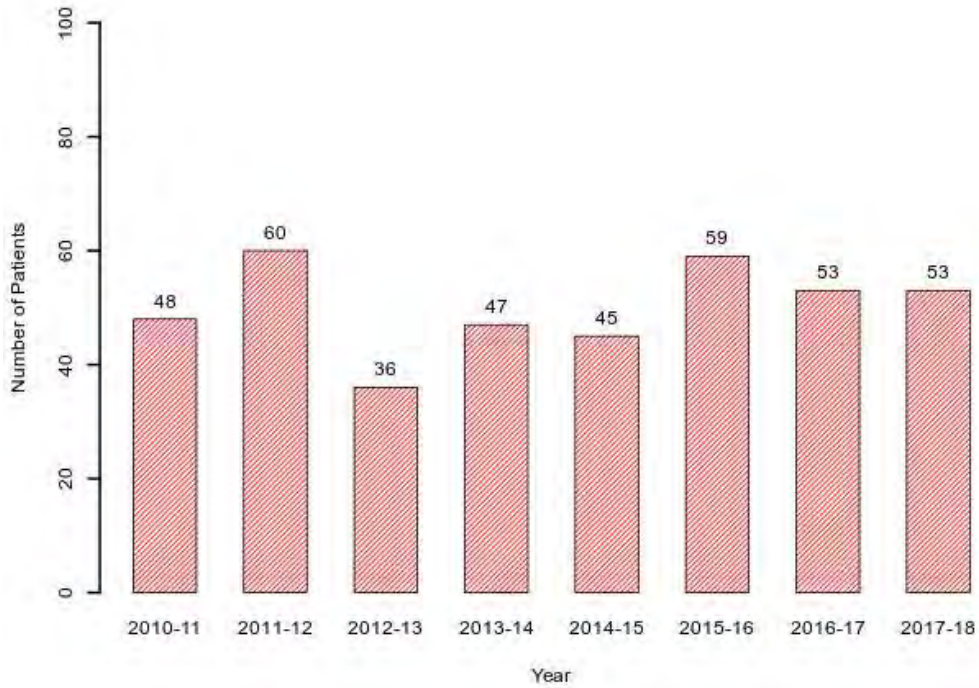


Table VII.1
Year-by-Year Summary of Patients with 10 or More Aggressive Acts

YEAR	SUMMARY
2010	172 patients with 10 or more violent incidents accounted for 35.9% of all violent patient on patient and patient on staff assault incidents
2011	148 patients with 10 or more violent incidents accounted for 33.4% of all violent patient on patient and patient on staff assault incidents
2012	159 patients with 10 or more violent incidents accounted for 38.2% of all violent patient on patient and patient on staff assault incidents
2013	117 patients with 10 or more violent incidents accounted for 35.2% of all violent patient on patient and patient on staff assault incidents
2014	111 patients with 10 or more violent incidents in that year accounted for 34.4% of all violent patient on patient and patient on staff assault incidents
2015	123 patients with 10 or more violent incidents accounted for 33.7% of all violent patient on patient and patient on staff assault incidents
2016	156 patients with 10 or more violent incidents accounted for 37.4% of all violent patient on patient and patient on staff assault incidents
2017	151 patients with 10 or more violent incidents accounted for 39.0% of all violent patient on patient and patient on staff assault incidents
2018	152 patients with 10 or more violent incidents accounted for 39.4% of all violent patient on patient and patient on staff assault incidents

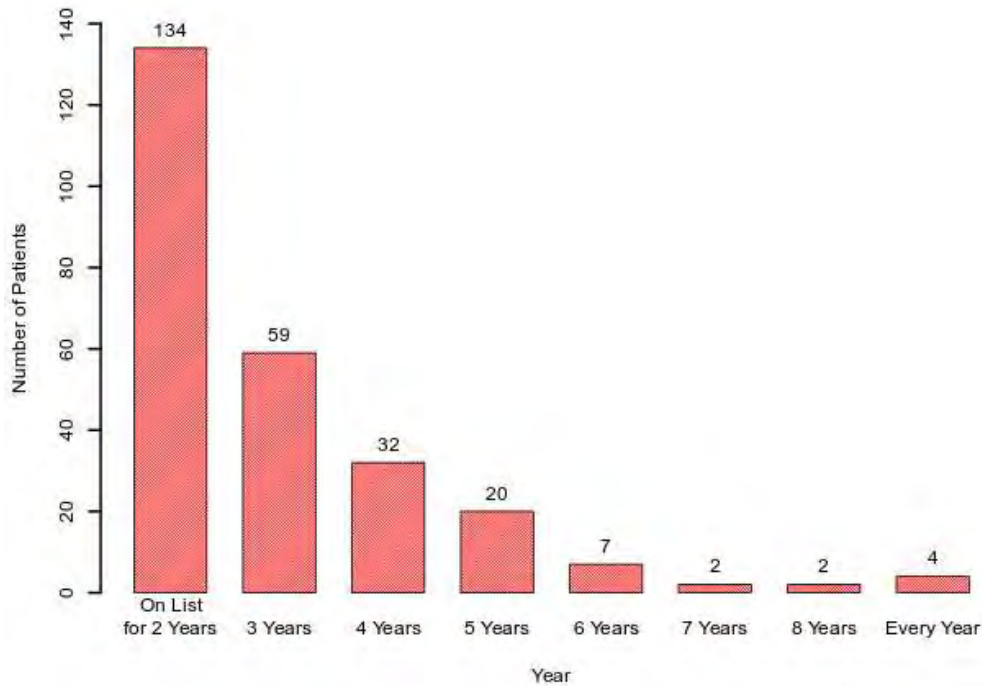
B. Patients with 10 or More Aggressive Acts Two Years in a Row

Figure VII.2**Patients with 10 or More Violent Acts, Across Two Consecutive Calendar Years**

As the Figure VII.2 shows, there was a consistent number of patients with 10 or more violent incidents across two consecutive calendar years during 2010-2018. As a rate, the 59 patients in 2015-16 represent about 0.29% of all the patients treated in DSH during that time, the 53 patients in 2016-17 represent about 0.26%, and the 53 patients during 2017-18 represent about 0.25% of all patients treated during those two years.

C. Patients with 10 or More Violent Acts, For Any Two, Three Year Period, or For All Four Years

Figure VII.3
Patients with 10 or More Violent Incidents Across Any Two or More Years (Not Necessarily Consecutive), or for All Nine Years During 2010-2018



When any multiple year period (not necessarily consecutive years) is considered, there are a very small number of patients who had multiple, repeated high levels of violence (more than 10 incidents in a year).

Breaking down the chart above into each individual bar:

- The 4 patients on the list of patients with 10 or more violent acts, for all nine years during 2010-2018, accounted for 1634 incidents, or about 408.5 violent acts for each individual patient, on average, during this entire time period.
- The 2 patients who were on the list of patients with 10 or more violent incidents, for eight years during 2010-18, also accounted for 583 aggressive/violent incidents, or about 291.5 violent acts per patient, on average for this time period.
- The 2 patients who were on the list of patients with 10 or more violent incidents, for seven years during 2010-18, also accounted for 348 aggressive/violent incidents, or about 174 violent acts per patient, on average for this time period.

- The 7 patients who were on the list of patients with 10 or more violent incidents, for six years during 2010-18, also accounted for 1,173 aggressive/violent incidents, or about 167.57 violent acts per patient, on average for this time period.
- The 20 patients on the list for five years accounted for 2,499 aggressive/violent incidents, or about 124.95 violent acts per patient, on average.
- The 32 patients on the list for four years accounted for 2,895 aggressive/violent incidents, or about 90.47 violent acts per patient, on average.
- The 59 patients on the list for three years accounted for 4,142 aggressive/violent incidents, or about 70.2 violent acts per patient, on average.
- The 134 patients on the list for any two (not necessarily consecutive) years accounted for 6,797 violent incidents, or about 50.72 violent acts per individual patient, on average.

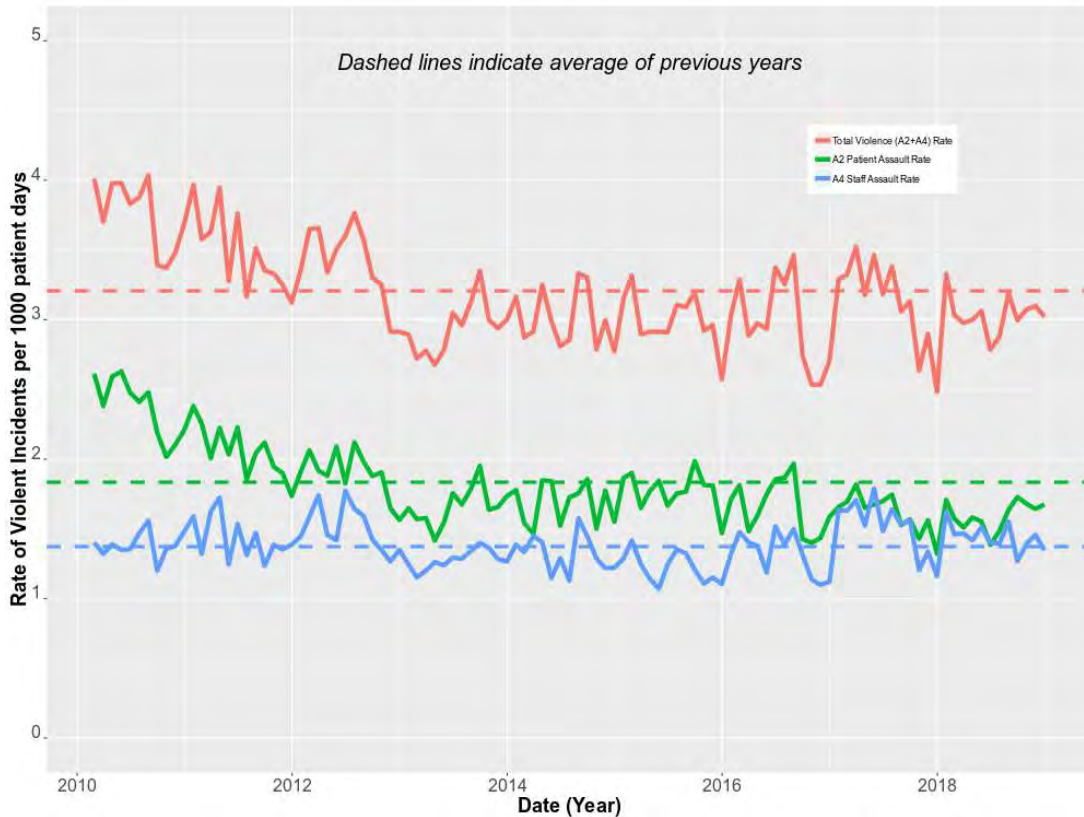
By way of comparison, this small group of patients (numbering 260, or about 0.62% of the total 41,887 unique patients treated during 2010-18) were involved as aggressors in 20,071 violent physical patient on patient or patient on staff assaults (approximately 29.5% of all the violent incidents recorded) during this eight year period 2010-2018.

SECTION VIII: IN-DEPTH ANALYSIS OF MONTHLY VIOLENCE DATA

A. Monthly Violence Rates Across DSH Overall

Monthly Rates of Assaults

Figure VIII.1
DSH Monthly Rates of Aggressive Incidents, per 1000 Patient Days

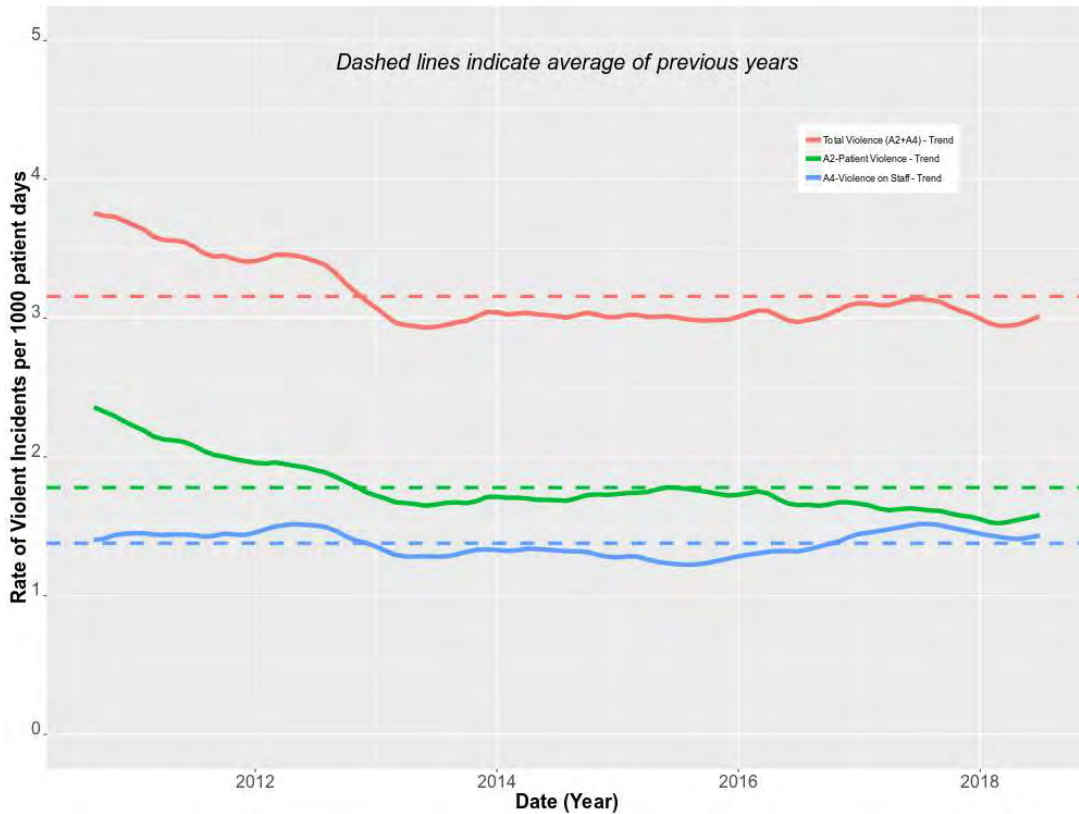


The graph above shows the monthly rate of violence, per 1000 patient days. This measure (rate per 1000 patient days) takes into account the changes in DSH population (as well as differences in the number of days in a month).

Additionally, this graph also shows the normal amount of variation on a monthly basis. To better understand and interpret these rates of violence, the next graph will look at these data with smoothing applied, to facilitate understanding of the data trends.

Monthly Rates of Assaults: Trend

Figure VIII.2
DSH Trend of Rates of Aggressive Incidents, per 1000 Patient Days



This graph shows the monthly rates, with smoothing applied to reduce monthly variability, as an aid in interpretation. As seen here, the trend has been for a decrease in assault rates from 2010 through late 2013, with violence rates afterward becoming more flat. More recently, since 2016, patient assault rates have trended lower, while staff assault rates have increased somewhat.

Further details of monthly rates are presented below in Tables VIII.2 and VIII.3.

Additionally, further information on the method used to derive the trends from the monthly rate data is given in [Appendix H](#).

It should be noted that while a trend may be seen “overall,” it does not mean that the trend was seen uniformly across all legal classes or hospitals.

The table below notes, comparing the current year (2018) to the previous year (2017), whether an increase or decrease was seen overall in violence (patient or staff) across legal classes.

Table VIII.1 Comparison of overall 2018 Violence Rates to 2017 Rates

Legal Class	Patient Violence	Staff Violence
IST	Increased	Decreased
LPS	Decreased	Decreased
OMD	Decreased	Increased
NGRI	Increased	Decreased
PC2684	Increased	Decreased
SVP	Decreased	Decreased

Table VIII.2
DSH Monthly Totals of Assaults

MONTH	YEAR	PATIENT ON PATIENT ASSAULT (A2)	PATIENT ON STAFF ASSAULT (A4)	TOTAL VIOLENCE (A2+A4)
February	2010	397	213	610
March	2010	400	222	622
April	2010	422	226	648
May	2010	444	228	672
June	2010	408	223	631
July	2010	412	251	663
August	2010	424	266	690
September	2010	363	199	562
October	2010	345	232	577
November	2010	348	228	576
December	2010	377	253	630
January	2011	406	271	677
February	2011	345	202	547
March	2011	340	275	615
April	2011	365	283	648
May	2011	343	210	553
June	2011	360	248	608
July	2011	308	218	526
August	2011	339	244	583
September	2011	343	200	543
October	2011	327	233	560
November	2011	309	220	529
December	2011	294	235	529
January	2012	325	246	571
February	2012	329	253	582
March	2012	326	296	622
April	2012	310	240	550
May	2012	358	243	601
June	2012	303	294	597
July	2012	365	283	648
August	2012	341	274	615
September	2012	313	237	550
October	2012	328	232	560
November	2012	276	212	488
December	2012	270	233	503
January	2013	285	215	500

MONTH	YEAR	PATIENT ON PATIENT ASSAULT (A2)	PATIENT ON STAFF ASSAULT (A4)	TOTAL VIOLENCE (A2+A4)
February	2013	244	179	423
March	2013	272	207	479
April	2013	237	211	448
May	2013	267	214	481
June	2013	293	216	509
July	2013	288	221	509
August	2013	309	232	541
September	2013	325	233	558
October	2013	281	234	515
November	2013	275	213	488
December	2013	296	216	512
January	2014	304	237	541
February	2014	239	207	446
March	2014	254	251	505
April	2014	312	237	549
May	2014	324	202	526
June	2014	260	220	480
July	2014	307	201	508
August	2014	313	281	594
September	2014	321	250	571
October	2014	268	230	498
November	2014	307	211	518
December	2014	277	218	495
January	2015	333	230	563
February	2015	306	228	534
March	2015	294	222	516
April	2015	305	197	502
May	2015	329	191	520
June	2015	289	216	505
July	2015	315	243	558
August	2015	319	239	558
September	2015	349	212	561
October	2015	331	202	533
November	2015	321	204	525
December	2015	269	202	471
January	2016	314	242	556
February	2016	313	255	568
March	2016	275	260	535
April	2016	287	248	535

MONTH	YEAR	PATIENT ON PATIENT ASSAULT (A2)	PATIENT ON STAFF ASSAULT (A4)	TOTAL VIOLENCE (A2+A4)
May	2016	327	222	549
June	2016	336	275	611
July	2016	348	259	607
August	2016	365	278	643
September	2016	256	236	492
October	2016	261	212	473
November	2016	260	199	459
December	2016	297	210	507
January	2017	311	307	618
February	2017	287	276	563
March	2017	341	320	661
April	2017	300	277	577
May	2017	314	335	649
June	2017	308	269	577
July	2017	327	307	634
August	2017	286	287	573
September	2017	285	284	569
October	2017	269	227	496
November	2017	284	243	527
December	2017	249	219	468
January	2018	323	307	630
February	2018	269	250	519
March	2018	286	278	564
April	2018	290	260	550
May	2018	294	286	580
June	2018	254	257	511
July	2018	281	264	545
August	2018	310	294	604
September	2018	316	232	548
October	2018	316	262	578
November	2018	300	266	566
December	2018	316	254	570

This table shows the monthly totals of violent incidents (A2 patient on patient assault and A4 patient on staff assault, with the new code A8 added starting in January 2016) in DSH.

As mentioned earlier, monthly totals should not be used for reporting violence or for analysis, as these numbers do not take into account such factors as changes in patient population and/or number of days in a month. During this time period, DSH census (as measured by Average Daily Census) increased by over 13%, which the monthly totals do not take into account.

These data are presented simply for completeness, and to introduce the reader to the need for developing a rate-based measure for describing violence.

See the next table on monthly rates for further details and analysis.

Table VIII.3
DSH Monthly Rates of Assaults, per 1000 Patient Days

MONTH	YEAR	PATIENT ON PATIENT ASSAULT (A2)	PATIENT ON STAFF ASSAULT (A4)	TOTAL VIOLENCE (A2+A4)
February	2010	2.610	1.400	4.010
March	2010	2.382	1.322	3.703
April	2010	2.592	1.388	3.980
May	2010	2.629	1.350	3.979
June	2010	2.477	1.354	3.830
July	2010	2.410	1.468	3.879
August	2010	2.479	1.555	4.035
September	2010	2.190	1.201	3.391
October	2010	2.016	1.356	3.371
November	2010	2.102	1.377	3.479
December	2010	2.208	1.482	3.690
January	2011	2.379	1.588	3.967
February	2011	2.256	1.321	3.576
March	2011	2.007	1.623	3.630
April	2011	2.223	1.723	3.946
May	2011	2.033	1.245	3.278
June	2011	2.227	1.534	3.762
July	2011	1.854	1.312	3.166
August	2011	2.043	1.471	3.514
September	2011	2.118	1.235	3.354
October	2011	1.945	1.386	3.330
November	2011	1.899	1.352	3.251
December	2011	1.736	1.388	3.123
January	2012	1.912	1.447	3.359
February	2012	2.063	1.586	3.649
March	2012	1.917	1.740	3.657
April	2012	1.881	1.456	3.337
May	2012	2.090	1.418	3.508
June	2012	1.827	1.773	3.600
July	2012	2.120	1.644	3.764
August	2012	1.982	1.592	3.574
September	2012	1.879	1.423	3.302
October	2012	1.905	1.347	3.252
November	2012	1.648	1.266	2.914
December	2012	1.564	1.349	2.913
January	2013	1.649	1.244	2.892
February	2013	1.570	1.151	2.721
March	2013	1.578	1.201	2.778

MONTH	YEAR	PATIENT ON PATIENT ASSAULT (A2)	PATIENT ON STAFF ASSAULT (A4)	TOTAL VIOLENCE (A2+A4)
April	2013	1.416	1.261	2.677
May	2013	1.545	1.238	2.783
June	2013	1.755	1.294	3.049
July	2013	1.675	1.285	2.961
August	2013	1.787	1.342	3.129
September	2013	1.951	1.399	3.350
October	2013	1.637	1.363	3.000
November	2013	1.656	1.283	2.939
December	2013	1.735	1.266	3.001
January	2014	1.778	1.386	3.165
February	2014	1.539	1.333	2.873
March	2014	1.467	1.449	2.916
April	2014	1.848	1.404	3.251
May	2014	1.842	1.148	2.990
June	2014	1.523	1.288	2.811
July	2014	1.725	1.130	2.855
August	2014	1.756	1.576	3.332
September	2014	1.857	1.446	3.303
October	2014	1.500	1.287	2.788
November	2014	1.774	1.220	2.994
December	2014	1.551	1.221	2.772
January	2015	1.864	1.288	3.152
February	2015	1.901	1.416	3.317
March	2015	1.650	1.246	2.896
April	2015	1.770	1.143	2.914
May	2015	1.843	1.070	2.913
June	2015	1.666	1.245	2.911
July	2015	1.754	1.353	3.106
August	2015	1.767	1.324	3.091
September	2015	1.986	1.207	3.193
October	2015	1.814	1.107	2.921
November	2015	1.811	1.151	2.961
December	2015	1.469	1.103	2.573
January	2016	1.712	1.319	3.031
February	2016	1.812	1.476	3.288
March	2016	1.483	1.402	2.886
April	2016	1.595	1.378	2.974
May	2016	1.748	1.187	2.935
June	2016	1.856	1.519	3.374

MONTH	YEAR	PATIENT ON PATIENT ASSAULT (A2)	PATIENT ON STAFF ASSAULT (A4)	TOTAL VIOLENCE (A2+A4)
July	2016	1.866	1.389	3.254
August	2016	1.965	1.497	3.462
September	2016	1.427	1.316	2.743
October	2016	1.399	1.137	2.536
November	2016	1.435	1.098	2.533
December	2016	1.586	1.122	2.708
January	2017	1.657	1.636	3.294
February	2017	1.694	1.629	3.322
March	2017	1.817	1.706	3.523
April	2017	1.650	1.524	3.174
May	2017	1.675	1.787	3.462
June	2017	1.699	1.484	3.183
July	2017	1.745	1.638	3.383
August	2017	1.527	1.532	3.059
September	2017	1.568	1.562	3.130
October	2017	1.430	1.206	2.636
November	2017	1.562	1.336	2.898
December	2017	1.321	1.162	2.484
January	2018	1.707	1.622	3.329
February	2018	1.572	1.461	3.033
March	2018	1.509	1.467	2.977
April	2018	1.582	1.418	2.999
May	2018	1.552	1.510	3.062
June	2018	1.385	1.401	2.786
July	2018	1.484	1.395	2.879
August	2018	1.636	1.552	3.188
September	2018	1.728	1.268	2.996
October	2018	1.680	1.393	3.073
November	2018	1.643	1.456	3.099
December	2018	1.675	1.346	3.022

These data show the values that were graphed in the monthly plot of violence rates (Figure 30, “DSH Monthly Rates of Aggressive Incidents, per 1000 Patient Days”. Again, the monthly variability in violence can make discerning a trend difficult, for this reason, using the “smoothed” plots (such as Figure 31) to look for trends over time is more useful.

B. Overall DSH Rates of Violence, By Legal Class

This section presents information on the violence rates for each legal class in DSH. The analyses in this section take all the patients in a given legal class across all DSH hospitals and computes the violence rate overall for that legal class. These data include only those patients in DSH hospitals, and do not include those treated in the psychiatric programs.

To provide a quick comparison of the changes in patient composition over the past year, the Average Daily Census (ADC) for each Legal Class for the last month of 2017 and 2018 is provided in Table VIII.4.

Table VIII.4
DSH Average Daily Census, by Legal Class

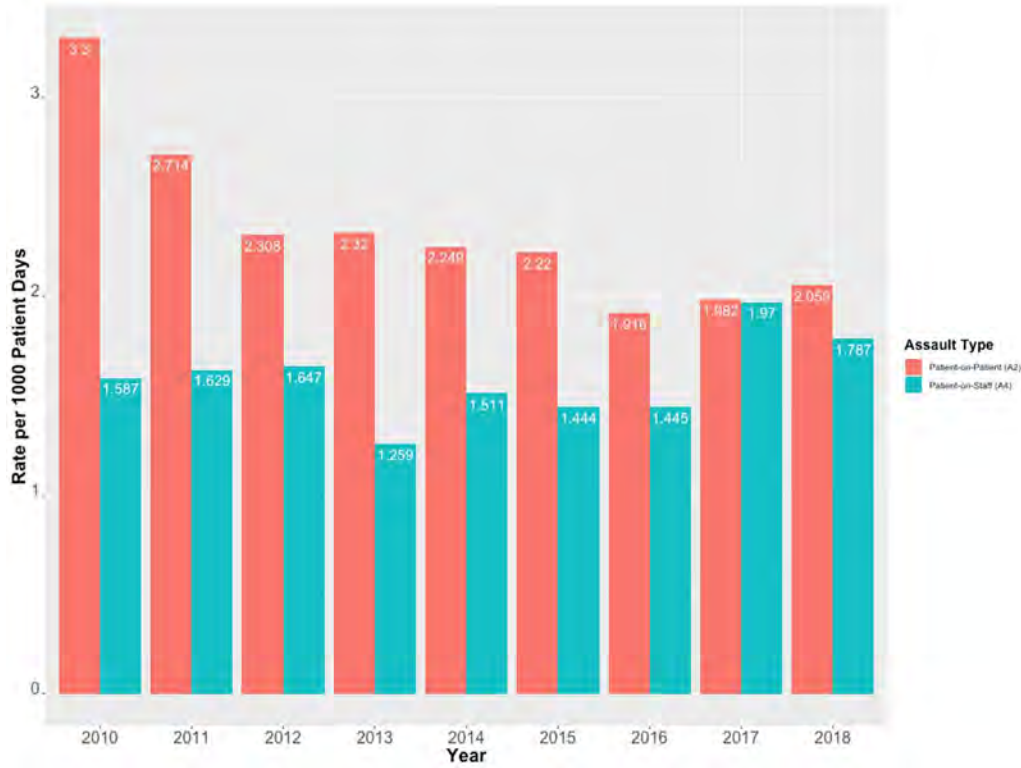
LEGAL CLASS	ADC 12/2017	ADC 12/2018
DJJ: Division of Juvenile Justice Patient	<11	<11
IST: Incompetent to Stand Trial Patient	1385.75	1390.28
LPS: Lanternman-Petris-Short Patient	728.49	753.99
OMD: Offender with Mental Health Disorder	1332.64	1354.05
MDSO: Mentally Disordered Sexual Offender	19	17
NGRI: Not Guilty by Reason of Insanity Patient	1389.94	1410.75
PC2684: Mentally Ill CDCR Inmate Patient	267.58	200.1
SVP: Sexually Violent Predator Patient	953.09	958.26

Data on the violence rates in DSH, per legal class, are presented in the next section in alphabetical order by legal class. Because there were too few patients in the DJJ and MDSO to present meaningful data, these groups were omitted.

DSH Rates of Violence: IST's

Yearly Violence Rates

Figure VIII.3
Yearly Rates of IST Assaults in all DSH Hospitals



As can be seen in the graph above, in 2018 the rate of staff assault decreased 9.3% among IST's system-wide, while the rate of patient assault increased 3.7%. More detailed information is presented in the tables on the next page.

Table VIII.5
DSH IST Yearly A2 Patient on Patient Assault Summary

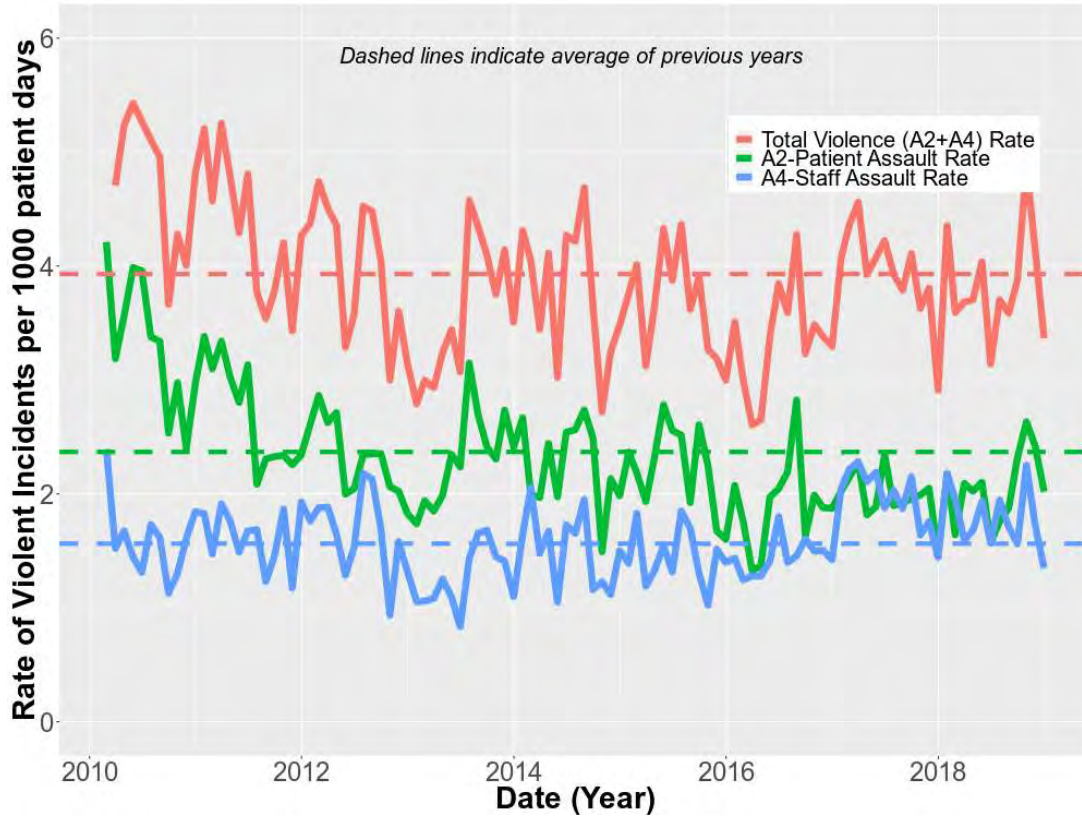
YEAR	IST ASSAULTS (A2)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	1295	392457	3.3	NA
2011	1093	402701	2.714	-17.8
2012	981	424971	2.308	-15
2013	1037	447042	2.32	0.5
2014	1067	474429	2.249	-3.1
2015	1111	500536	2.22	-1.3
2016	1034	539685	1.916	-13.7
2017	1047	528298	1.982	3.4
2018	1027	499680	2.055	3.7

Table VIII.6
DSH IST Yearly A4 Patient on Staff Assault Summary

YEAR	IST ASSAULTS (A4)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	623	392457	1.587	NA
2011	656	402701	1.629	2.6
2012	700	424971	1.647	1.1
2013	563	447042	1.259	-23.6
2014	717	474429	1.511	20
2015	723	500536	1.444	-4.4
2016	780	539685	1.445	0.1
2017	1041	528298	1.97	36.3
2018	893	499680	1.787	-9.3

Monthly Violence Rates

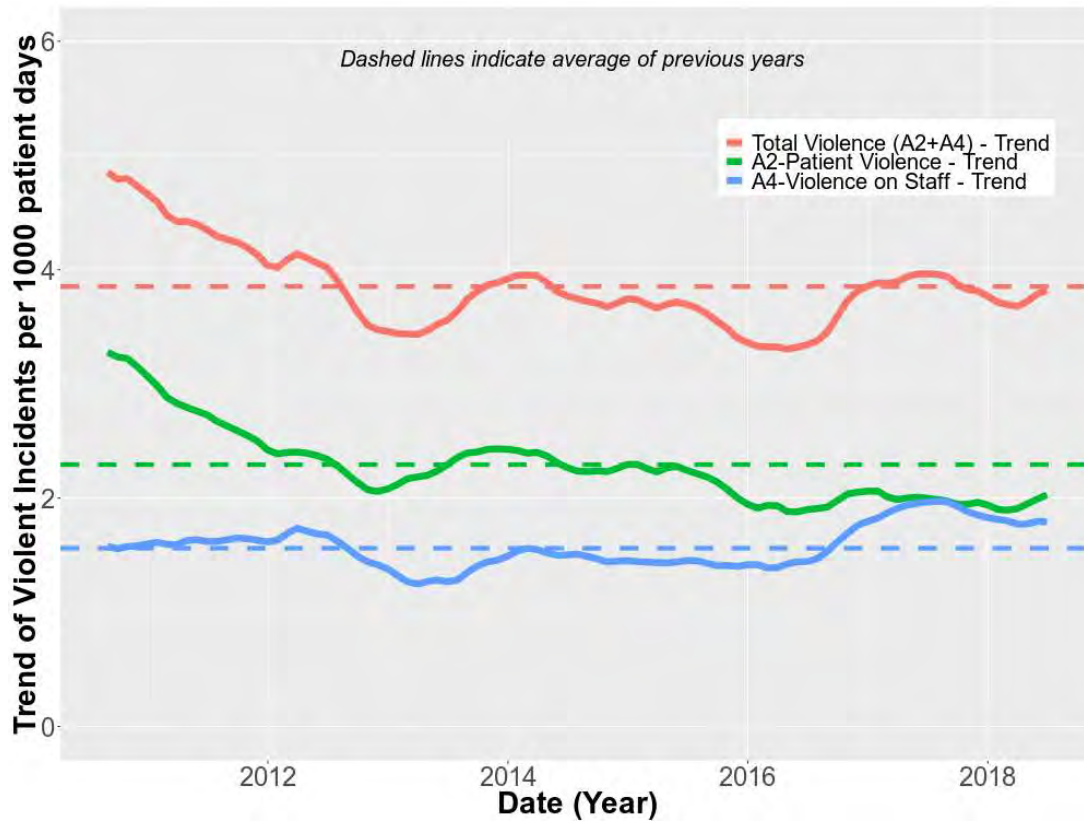
Figure VIII.4
Monthly Rates of IST Assaults in all DSH Hospitals, per 1000 Patient Days



This graph presents the monthly rates of violence. Because it is hard to distinguish overall trends from the graph of monthly rates, these monthly rates are averaged in the next graph to better illustrate the overall trend over time.

Trend of Monthly Violence Rates

Figure VIII.5
Trends of Monthly Rates of IST Assaults in all DSH Hospitals, per 1000 Patient Days

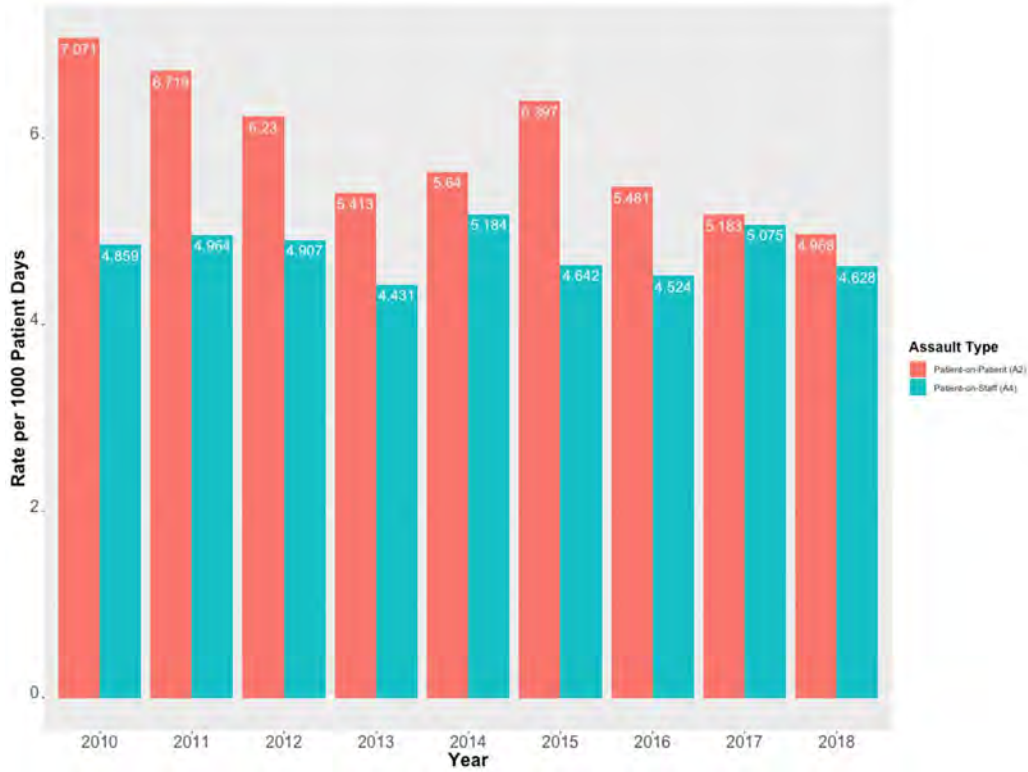


This graph presents the trend of the monthly rates data. This is accomplished by averaging the monthly rate with the 6 months previous and the 6 months following; this has the added benefit of removing any “seasonality” from the trend data. Because it averages the 6 months both previous and subsequent to each month, the graph stops with June, 2018. Further information explaining this as well the method used to derive the trends from the monthly rate data is given in [Appendix H](#).

DSH Rates of Violence: LPS's

Yearly Violence Rates

Figure VIII.6
Yearly Rates of LPS Assaults in all DSH Hospitals



As can be seen in the graph above, after several years of declining assault rates, in 2018 the assault rates for both violence against other patients and staff decreased from the year previous. More detailed information is presented in the tables on the next page.

Table VIII.7
DSH LPS Yearly A2 Patient on Patient Assault Summary

YEAR	LPS ASSAULTS (A2)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	1183	167309	7.071	NA
2011	1263	187966	6.719	-5
2012	1257	201773	6.23	-7.3
2013	1080	199503	5.413	-13.1
2014	1200	212769	5.64	4.2
2015	1458	227909	6.397	13.4
2016	1323	241387	5.481	-14.3
2017	1336	257748	5.183	-5.4
2018	1345	270739	4.968	-4.1

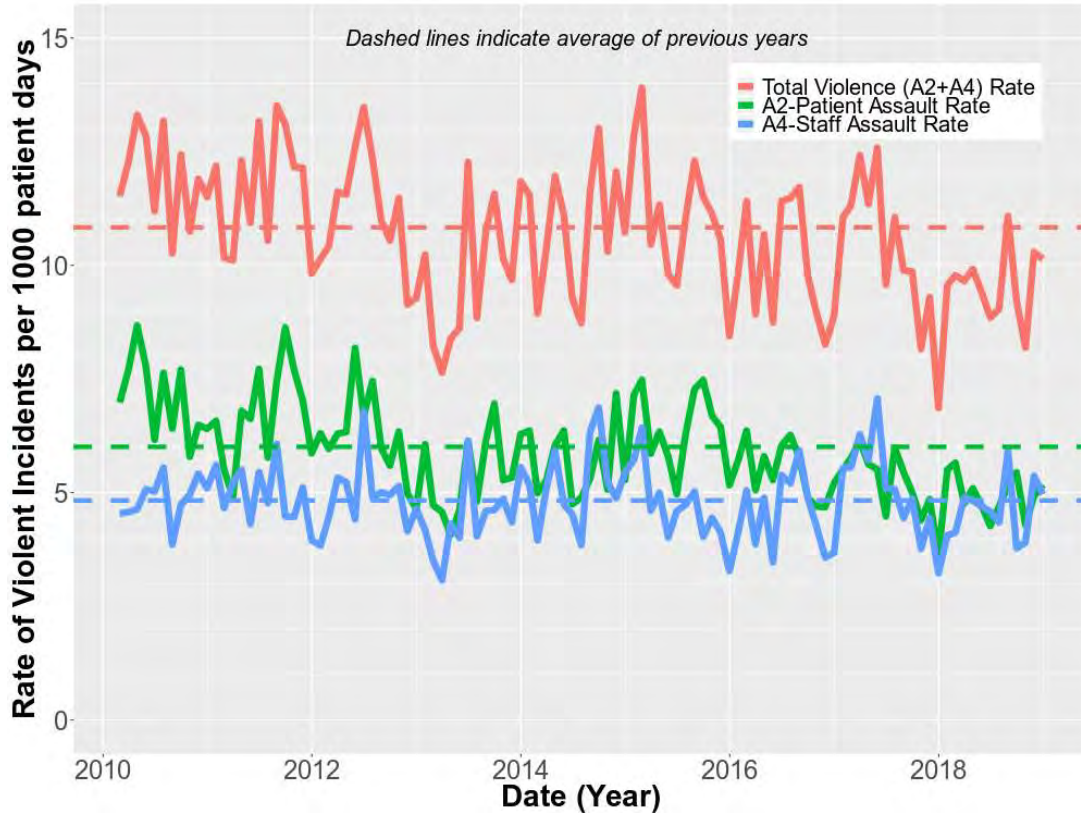
Table VIII.8
DSH LPS Yearly A4 Patient on Staff Assault Summary

YEAR	LPS ASSAULTS (A4)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	813	167309	4.859	NA
2011	933	187966	4.964	2.2
2012	990	201773	4.907	-1.1
2013	884	199503	4.431	-9.7
2014	1103	212769	5.184	17
2015	1058	227909	4.642	-10.5
2016	1092	241387	4.524	-2.5
2017	1308	257748	5.075	12.2
2018	1253	270739	4.628	-8.8

Monthly Violence Rates

Figure VIII.7

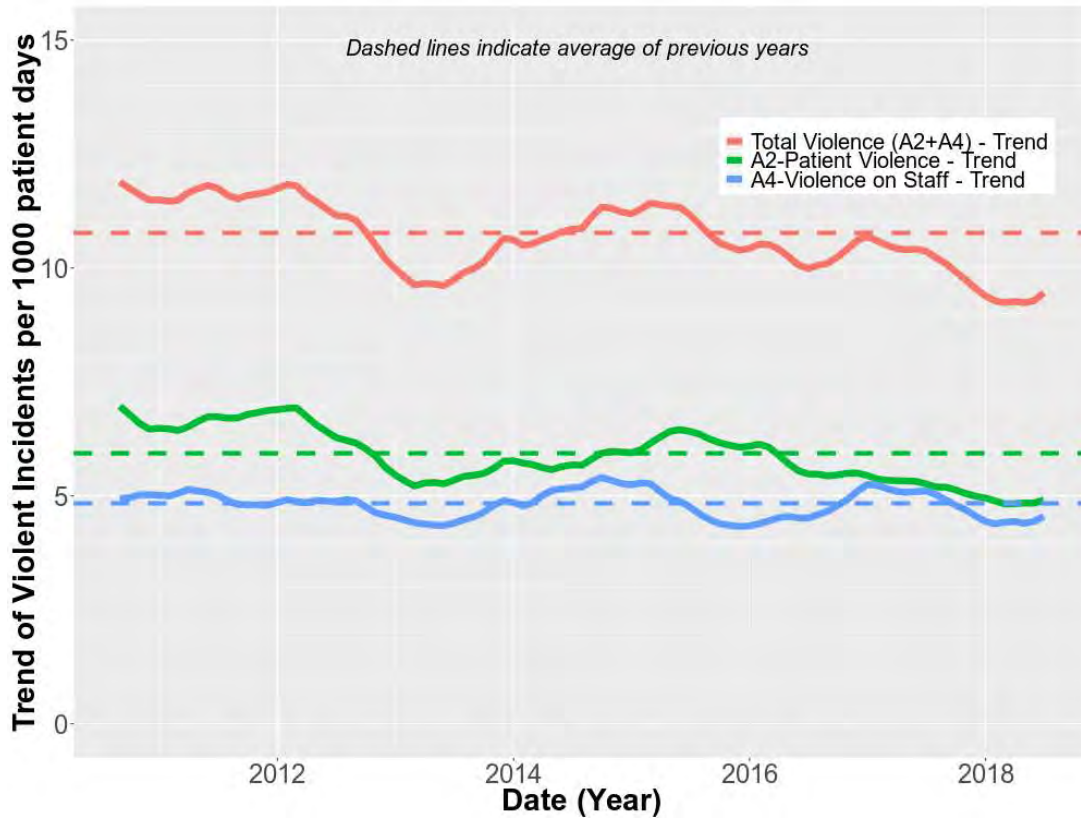
Monthly Rates of LPS Assaults in all DSH Hospitals, per 1000 Patient Days



This graph presents the monthly rates of violence. Because it is hard to distinguish overall trends from the graph of monthly rates, these monthly rates are averaged in the next graph to better illustrate the overall trend over time.

Trend of Monthly Violence Rates

Figure VIII.8
Trend of Monthly Rates of LPS Assaults in all DSH Hospitals, per 1000 Patient Days

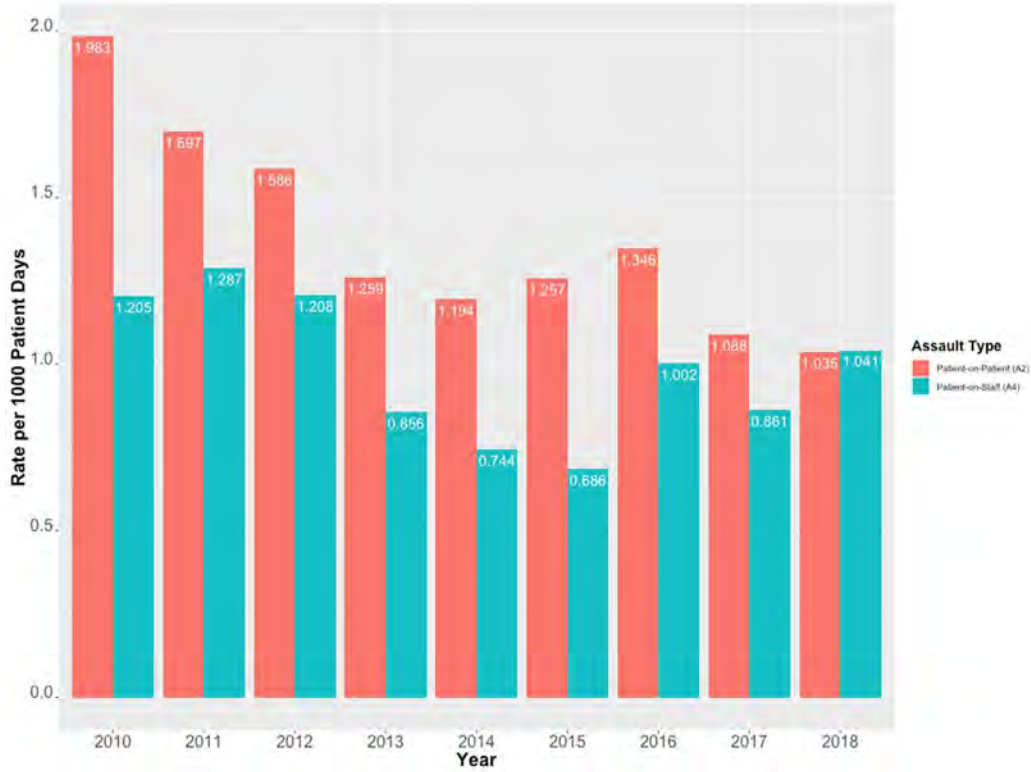


This graph presents the trend data of the monthly rates. This is accomplished by averaging the monthly rate with the 6 months previous and the 6 months following; this has the added benefit of removing any “seasonality” from the trend data. Because it averages the 6 months both previous & subsequent, the graph stops with June, 2018. Further information explaining this as well the method used to derive the trends from the monthly rate data is given in [Appendix H](#).

DSH Rates of Violence: OMD's

Yearly Violence Rates

Figure VIII.9
Yearly Rates of OMD Assaults in all DSH Hospitals



As can be seen in the graph above, after several years of declining assault rates, in 2018 the assault rates for both violence against other patients and staff decreased from the year previous. More detailed information is presented in the tables on the next page.

Table VIII.9
DSH OMD Yearly A2 Patient on Patient Assault Summary

YEAR	OMD ASSAULTS (A2)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	854	430667	1.983	NA
2011	815	480333	1.697	-14.4
2012	734	462660	1.586	-6.5
2013	556	441586	1.259	-20.6
2014	526	440627	1.194	-5.2
2015	577	459120	1.257	5.3
2016	611	453959	1.346	7.1
2017	513	471663	1.088	-19.2
2018	520	502248	1.035	-4.9

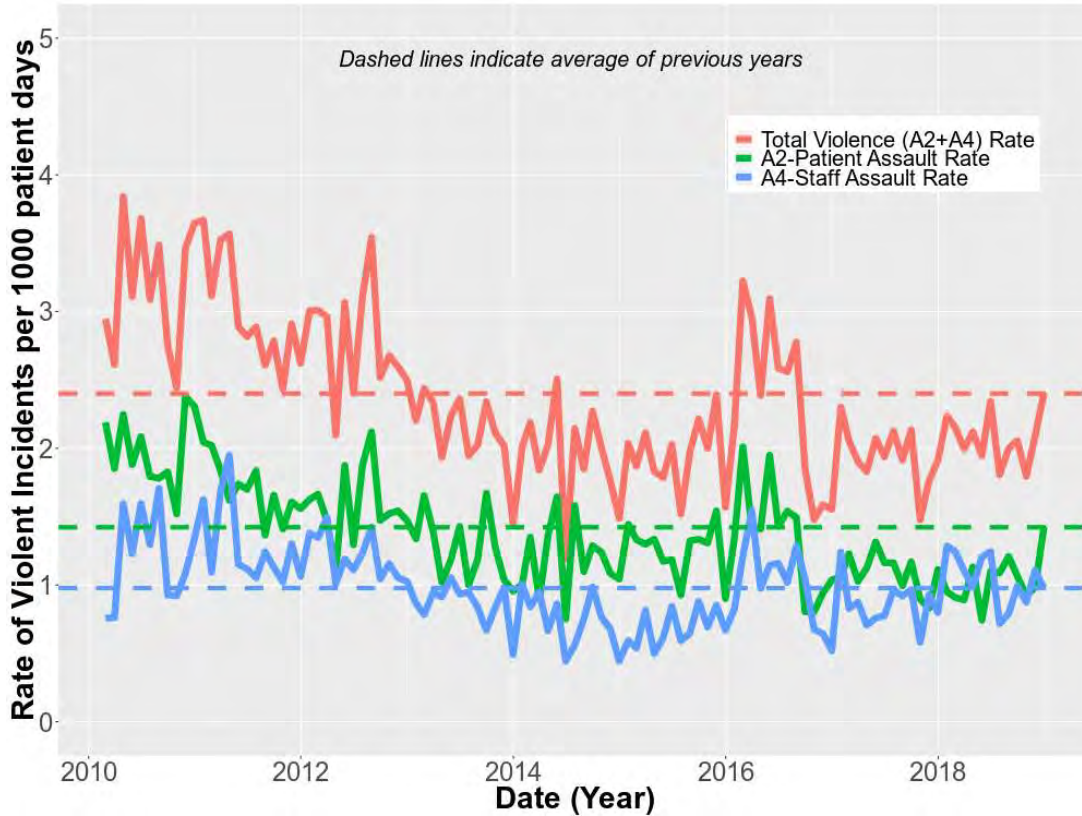
Table VIII.10
DSH OMD Yearly A4 Patient on Staff Assault Summary

YEAR	OMD ASSAULTS (A4)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	519	430667	1.205	NA
2011	618	480333	1.287	6.8
2012	559	462660	1.208	-6.1
2013	378	441586	0.856	-29.1
2014	328	440627	0.744	-13.1
2015	315	459120	0.686	-7.8
2016	455	453959	1.002	46.1
2017	406	471663	0.861	-14.1
2018	523	502248	1.041	20.9

Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. This resulted in an increase in the rates A4 assaults between 2015 and 2016. When using the same methodology as previous DSH Violence Reports, a DSH wide 2% decrease in the rate of patient on staff assaults from 2015 to 2016 can be seen. See [Section II.1.B](#) for further details.

Monthly Violence Rates

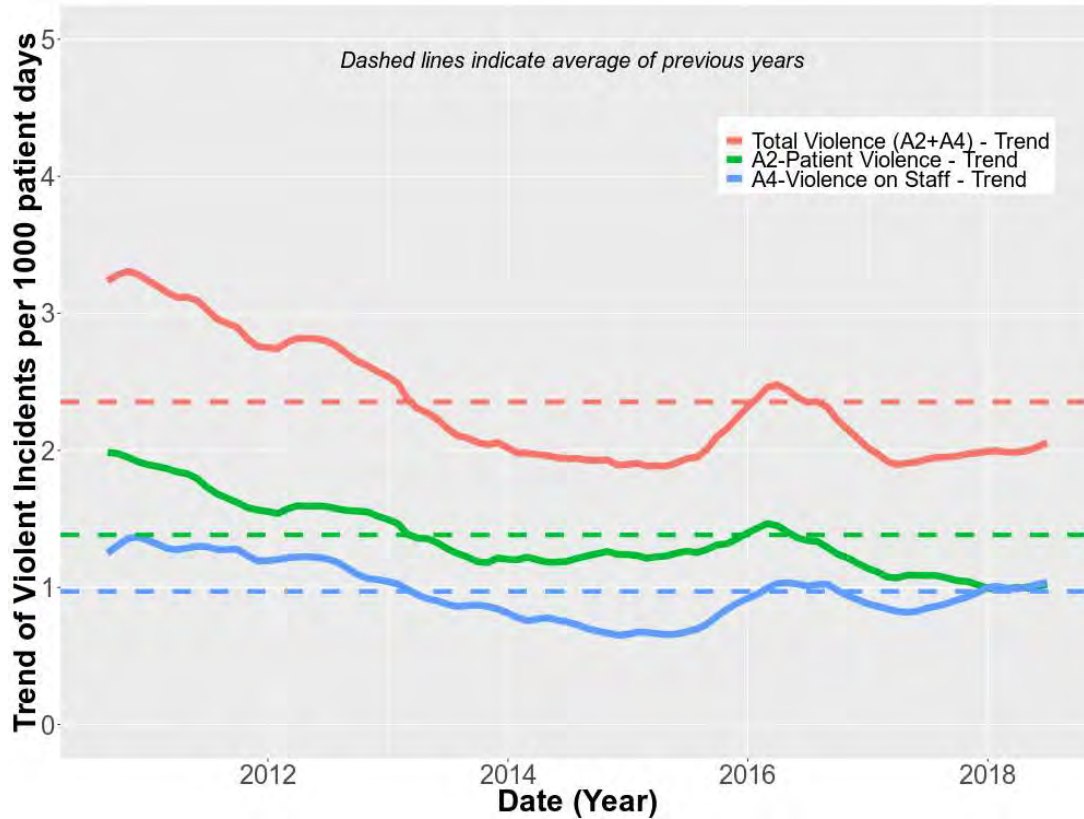
Figure VIII.10
Monthly Rates of OMD Assaults in all DSH Hospitals, per 1000 Patient Days



This graph presents the monthly rates of violence. Because it is hard to distinguish overall trends from the graph of monthly rates, these monthly rates are averaged in the next graph to better illustrate the overall trend time.

Trend of Monthly Violence Rates

Figure VIII.11
Trend of Monthly Rates of OMD Assaults in all DSH Hospitals, per 1000 Patient Days

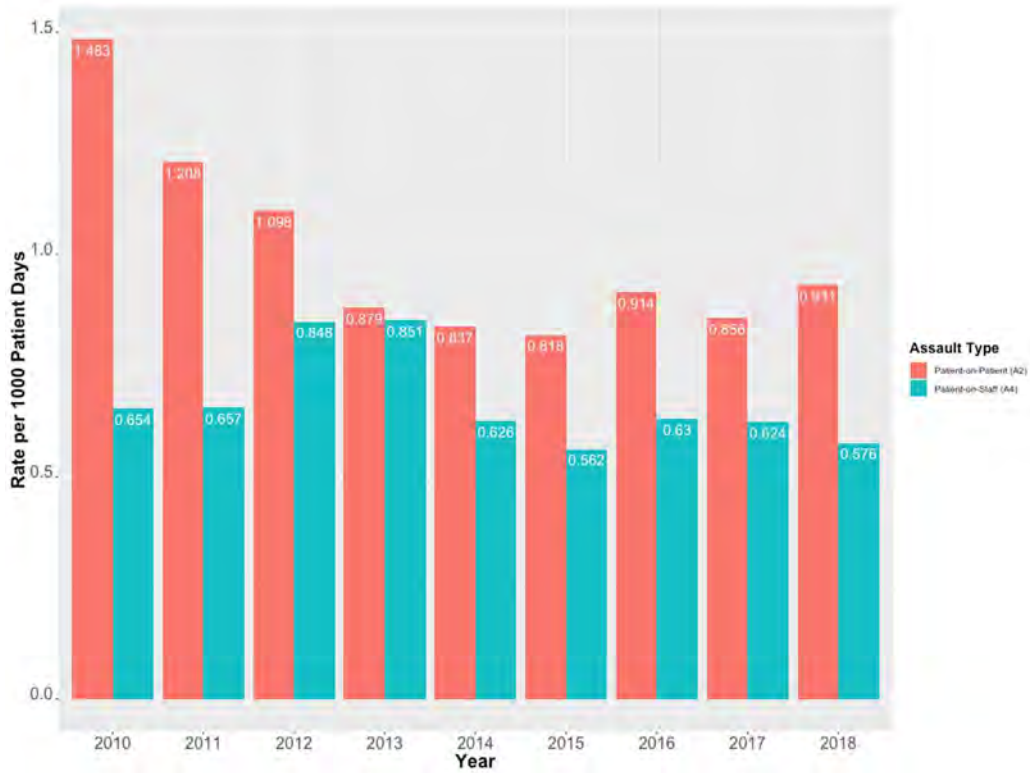


This graph presents the trend data of the monthly rates. This is accomplished by averaging the monthly rate with the 6 months previous and the 6 months following; this has the added benefit of removing any “seasonality” from the trend data. Because it averages the 6 months both previous & subsequent, the graph stops with June, 2018. Further information explaining this as well the method used to derive the trends from the monthly rate data is given in [Appendix H](#).

DSH Rates of Violence: NGRI's

Yearly Violence Rates

Figure VIII.12
Yearly Rates of NGRI Assaults in all DSH Hospitals



As can be seen in the graph above, after several years of declining assault rates, in 2018 the assault rates for both violence against other patients and staff decreased in 2018. More detailed information is presented in the tables on the next page.

Table VIII.11
DSH NGRI Yearly A2 Patient on Patient Assault Summary

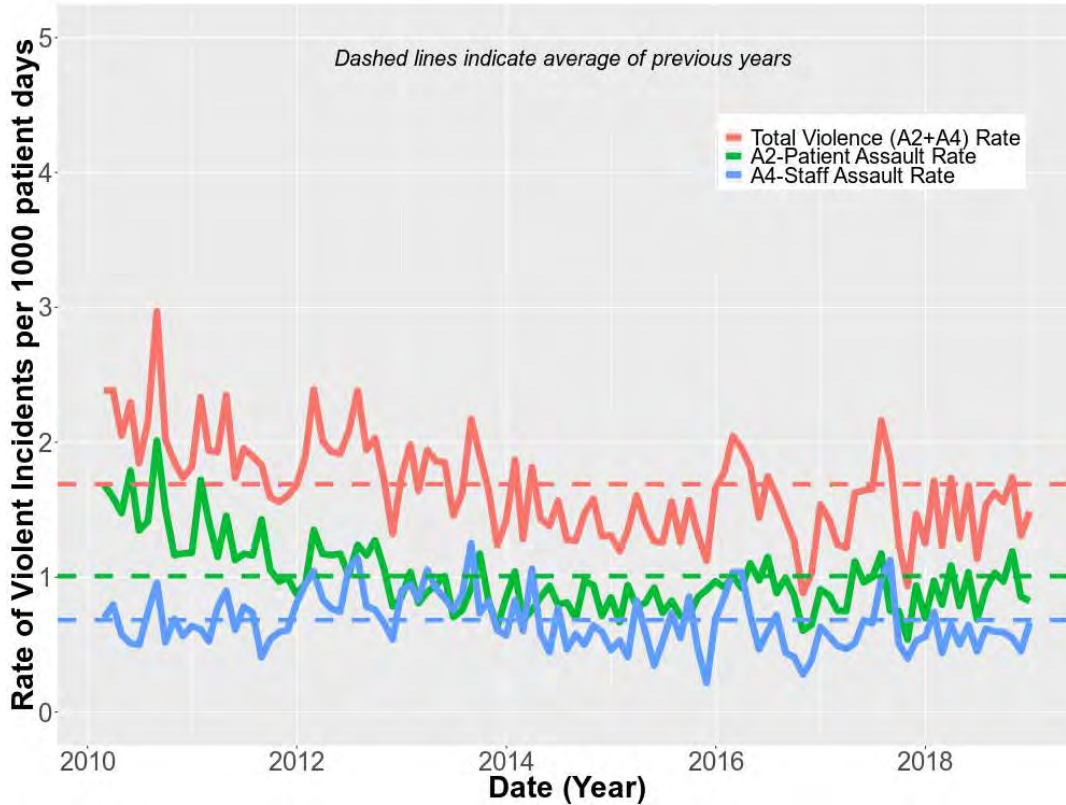
YEAR	NGRI ASSAULTS (A2)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	667	449798	1.483	NA
2011	603	498969	1.208	-18.5
2012	545	496509	1.098	-9.1
2013	440	500690	0.879	-19.9
2014	424	506285	0.837	-4.8
2015	419	512222	0.818	-2.3
2016	466	509770	0.914	11.7
2017	431	503361	0.856	-6.3
2018	477	512434	0.931	8.8

Table VIII.12
DSH NGRI Yearly A4 Patient on Staff Assault Summary

YEAR	NGRI ASSAULTS (A4)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	294	449798	0.654	NA
2011	328	498969	0.657	0.5
2012	421	496509	0.848	29.1
2013	426	500690	0.851	0.4
2014	317	506285	0.626	-26.4
2015	288	512222	0.562	-10.2
2016	321	509770	0.63	12.1
2017	314	503361	0.624	-1
2018	295	512434	0.576	-7.7

Monthly Violence Rates

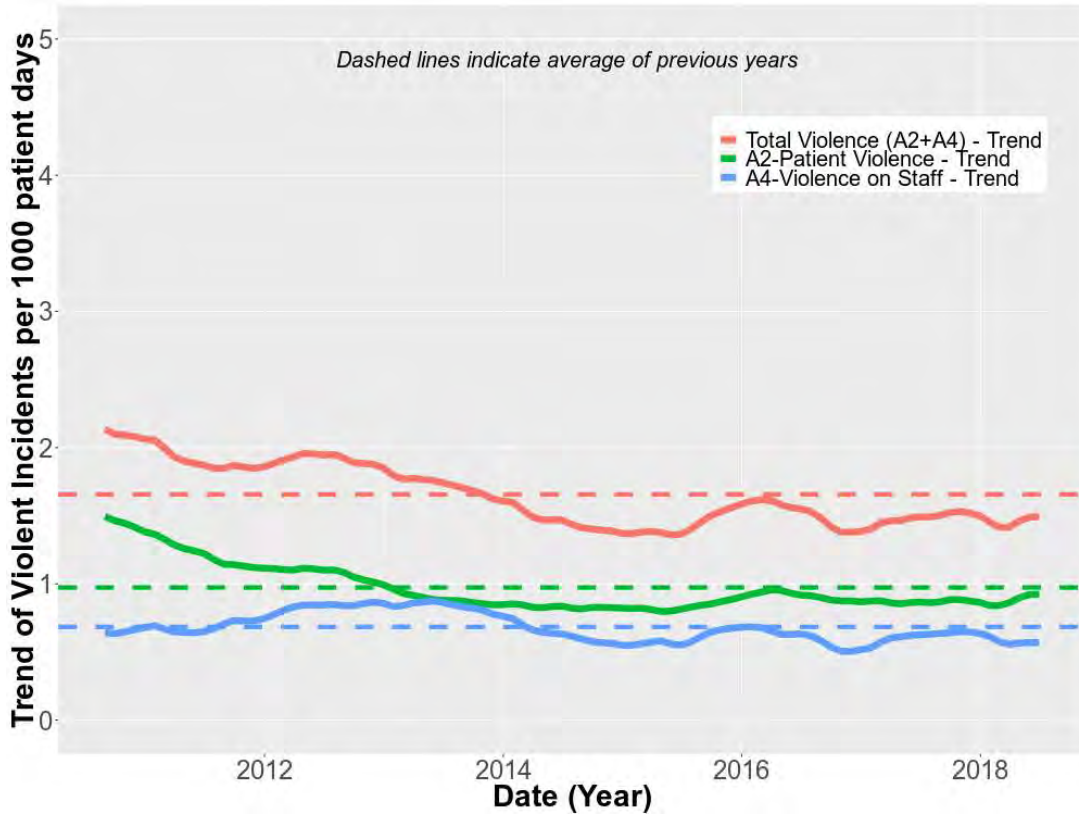
Figure VIII.13
Monthly Rates of NGRI Assaults in all DSH Hospitals, per 1000 Patient Days



This graph presents the monthly rates of violence. Because it is hard to distinguish overall trends from the graph of monthly rates, these monthly rates are averaged in the next graph to better illustrate the overall trend over time.

Trend of Monthly Violence Rates

Figure VIII.14
Trends of Monthly Rates of NGRI Assaults in all DSH Hospitals, per 1000 Patient Days

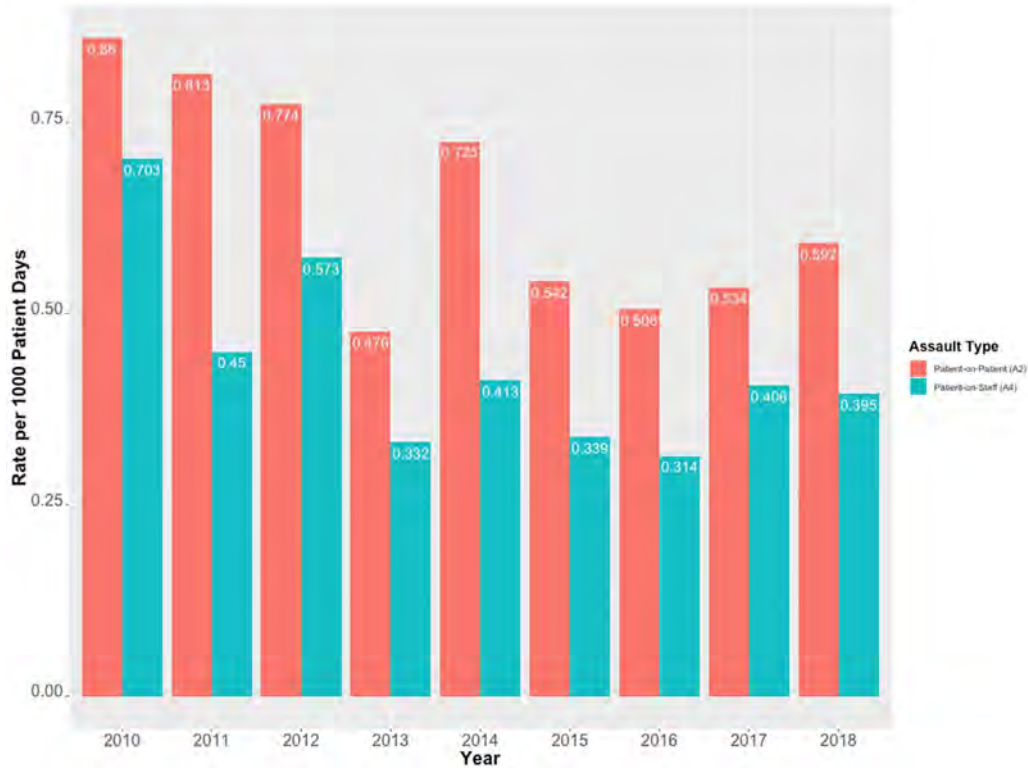


This graph presents the trend data of the monthly rates. This is accomplished by averaging the monthly rate with the 6 months previous and the 6 months following; this has the added benefit of removing any “seasonality” from the trend data. Because it averages the 6 months both previous & subsequent, the graph stops with June, 2018. Further information explaining this as well the method used to derive the trends from the monthly rate data is given in [Appendix H](#).

DSH Rates of Violence: PC2684's

Yearly Violence Rates

Figure VIII.15
Yearly Rates of PC2684's Assaults in all DSH Hospitals



Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. This resulted in an increase in the rates A4 assaults between 2015 and 2016. When using the same methodology as previous DSH Violence Reports, a DSH wide 2% decrease in the rate of patient on staff assaults from 2015 to 2016 can be seen. See [Section II.1.B](#) for further details. As can be seen in the graph above, after several years of declining assault rates, in 2018 the assault rates for both violence against other patients and staff decreased from the year previous. More detailed information is presented in the tables on the next page.

Table VIII.13
DSH PC2684 Yearly A2 Patient on Patient Assault Summary

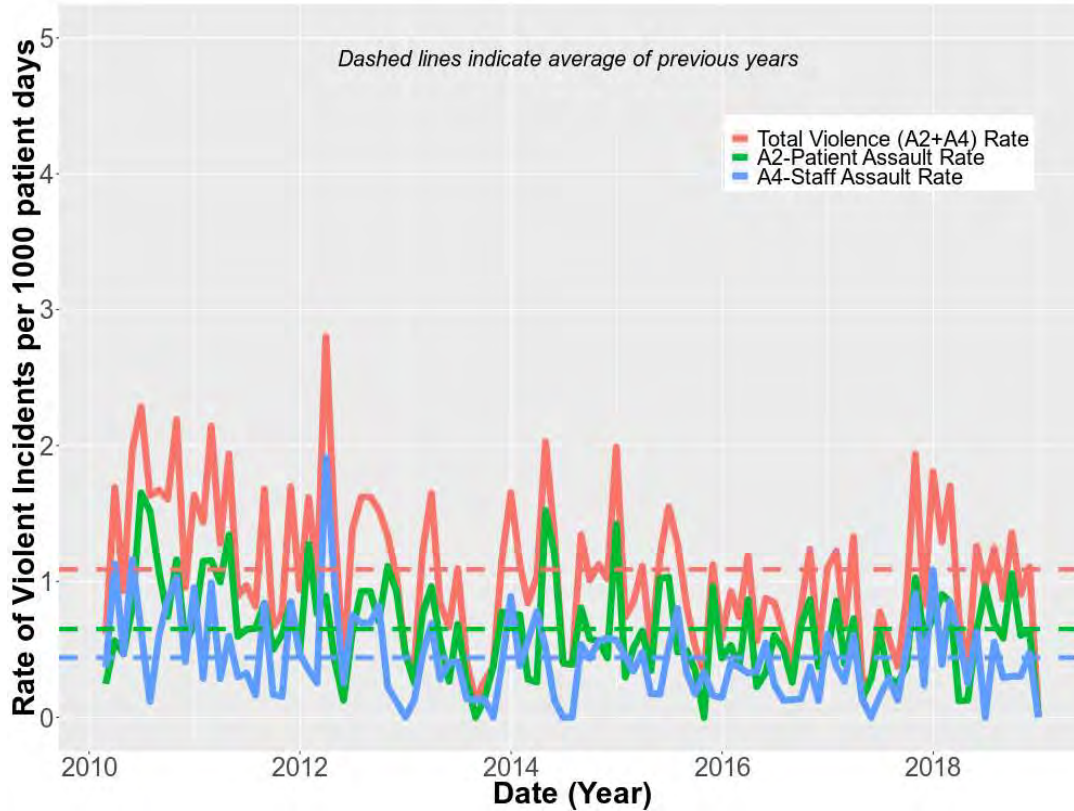
YEAR	PC2684 ASSAULTS (A2)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	77	89576	0.86	NA
2011	65	79955	0.813	-5.5
2012	77	99466	0.774	-4.8
2013	43	90337	0.476	-38.5
2014	65	89669	0.725	52.3
2015	40	73840	0.542	-25.2
2016	50	98815	0.506	-6.6
2017	50	93567	0.534	5.5
2018	51	86136	0.592	10.9

Table VIII.14
DSH PC2684 Yearly A4 Patient on Staff Assault Summary

YEAR	PC2684 ASSAULTS (A4)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	63	89576	0.703	NA
2011	36	79955	0.45	-36
2012	57	99466	0.573	27.3
2013	30	90337	0.332	-42.1
2014	37	89669	0.413	24.4
2015	25	73840	0.339	-17.9
2016	31	98815	0.314	-7.4
2017	38	93567	0.406	29.3
2018	34	86136	0.395	-2.7

Monthly Violence Rates

Figure VIII.17
Monthly Rates of PC2684 Assaults in all DSH Hospitals, per 1000 Patient Days

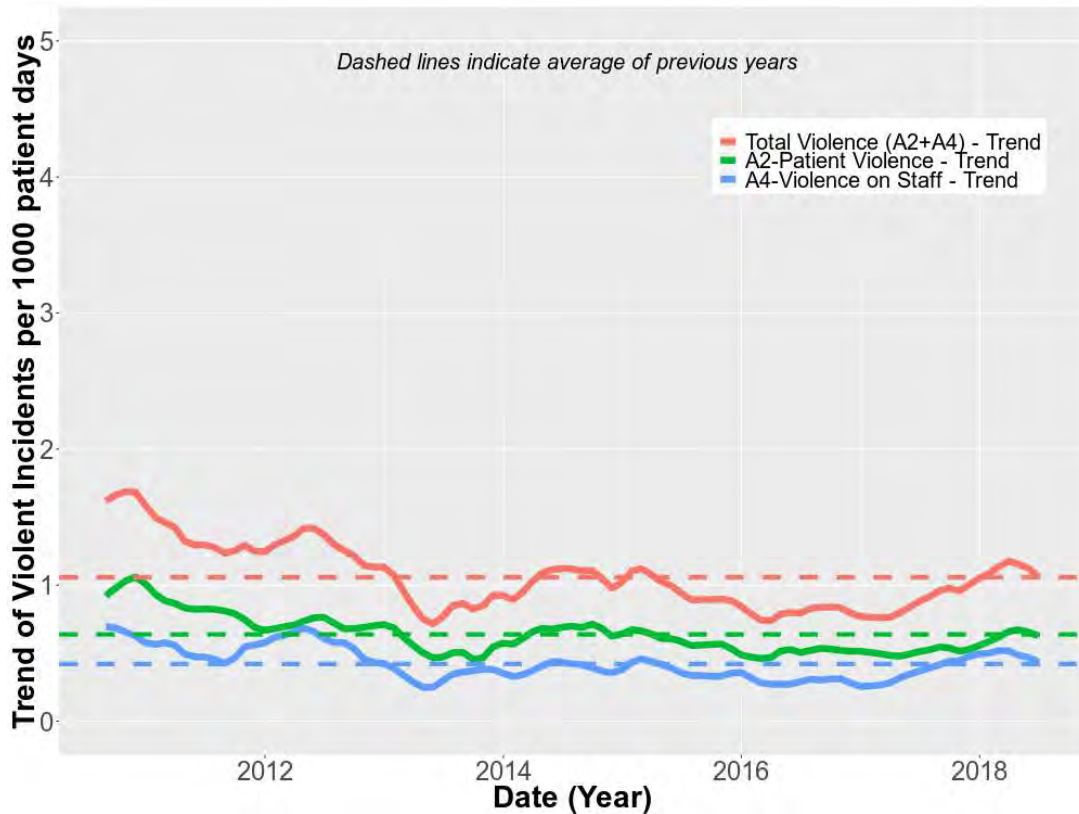


This graph presents the monthly rates of violence. Because it is hard to distinguish overall trends from the graph of monthly rates, these monthly rates are averaged in the next graph to better illustrate the overall trend over time.

Trend of Monthly Violence Rates

Figure VIII.18

Trend of Monthly Rates of PC2684 Assaults in all DSH Hospitals, per 1000 Patient Days

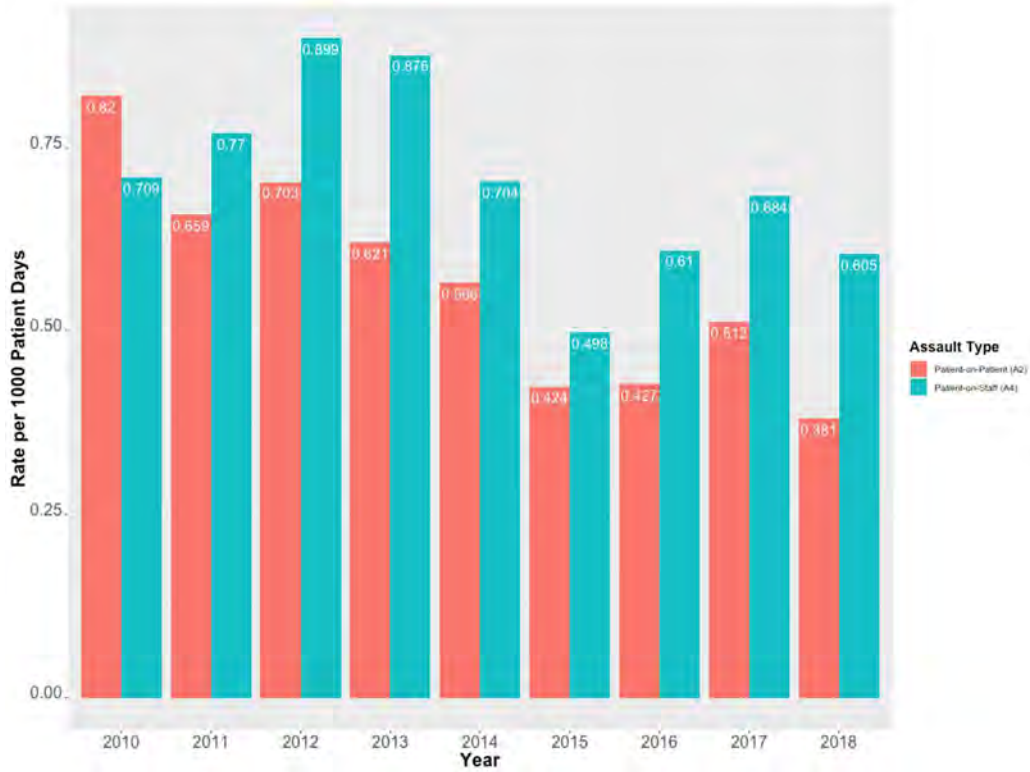


This graph presents the trend data of the monthly rates. This is accomplished by averaging the monthly rate with the 6 months previous and the 6 months following; this has the added benefit of removing any “seasonality” from the trend data. Because it averages the 6 months both previous & subsequent, the graph stops with June, 2018. Further information explaining this as well the method used to derive the trends from the monthly rate data is given in [Appendix H](#).

DSH Rates of Violence: SVP's

Yearly Violence Rates

Figure VIII.19
Yearly Rates of SVP Assaults in all DSH Hospitals



As can be seen in the graph above, after several years of declining assault rates, in 2018 the assault rates for both violence against other patients and staff decreased from the year previous. More detailed information is presented in the tables on the next page.

Table VIII.15
DSH SVP Yearly A2 Patient on Patient Assault Summary

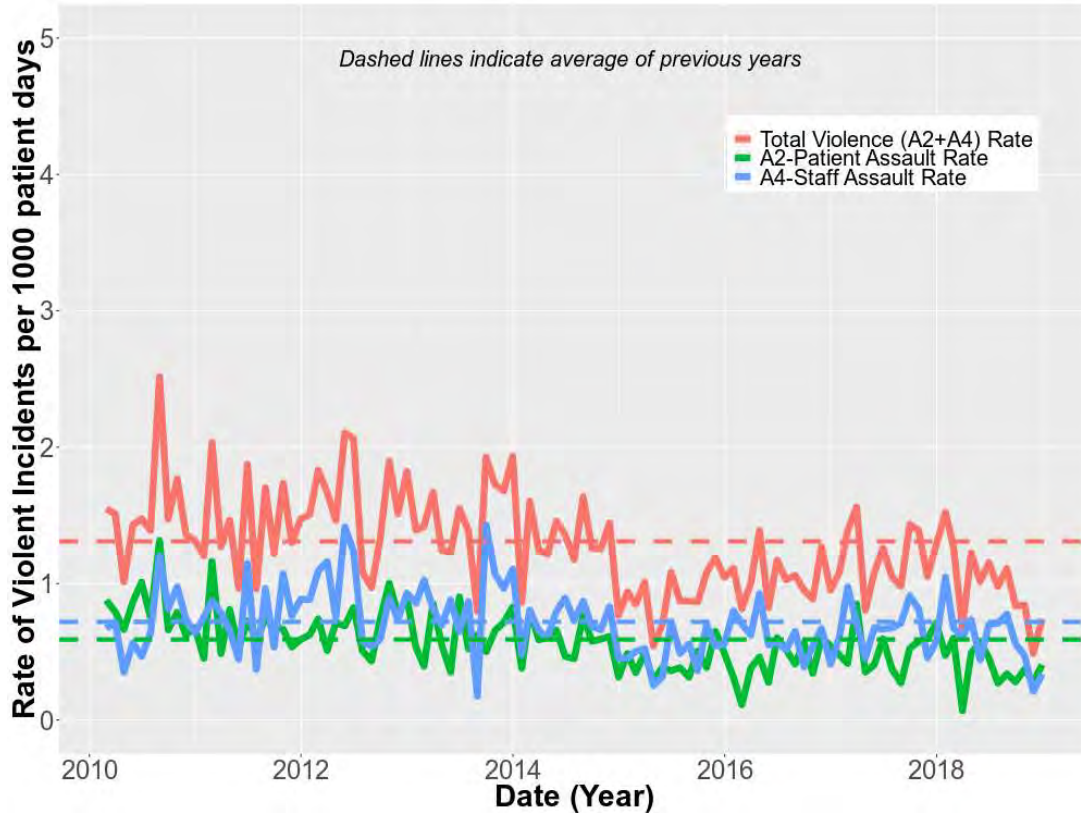
YEAR	SVP ASSAULTS (A2)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	235	286447	0.82	NA
2011	209	317075	0.659	-19.6
2012	230	326960	0.703	6.7
2013	209	336696	0.621	-11.7
2014	192	339488	0.566	-8.9
2015	143	337447	0.424	-25.1
2016	147	343989	0.427	0.7
2017	178	347731	0.512	19.9
2018	133	348838	0.381	-25.6

Table VIII.16
DSH SVP Yearly A4 Patient on Staff Assault Summary

YEAR	SVP ASSAULTS (A4)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	203	286447	0.709	NA
2011	244	317075	0.77	8.6
2012	294	326960	0.899	16.8
2013	295	336696	0.876	-2.6
2014	239	339488	0.704	-19.6
2015	168	337447	0.498	-29.3
2016	210	343989	0.61	22.5
2017	238	347731	0.684	12.1
2018	211	348838	0.605	-11.5

Monthly Violence Rates

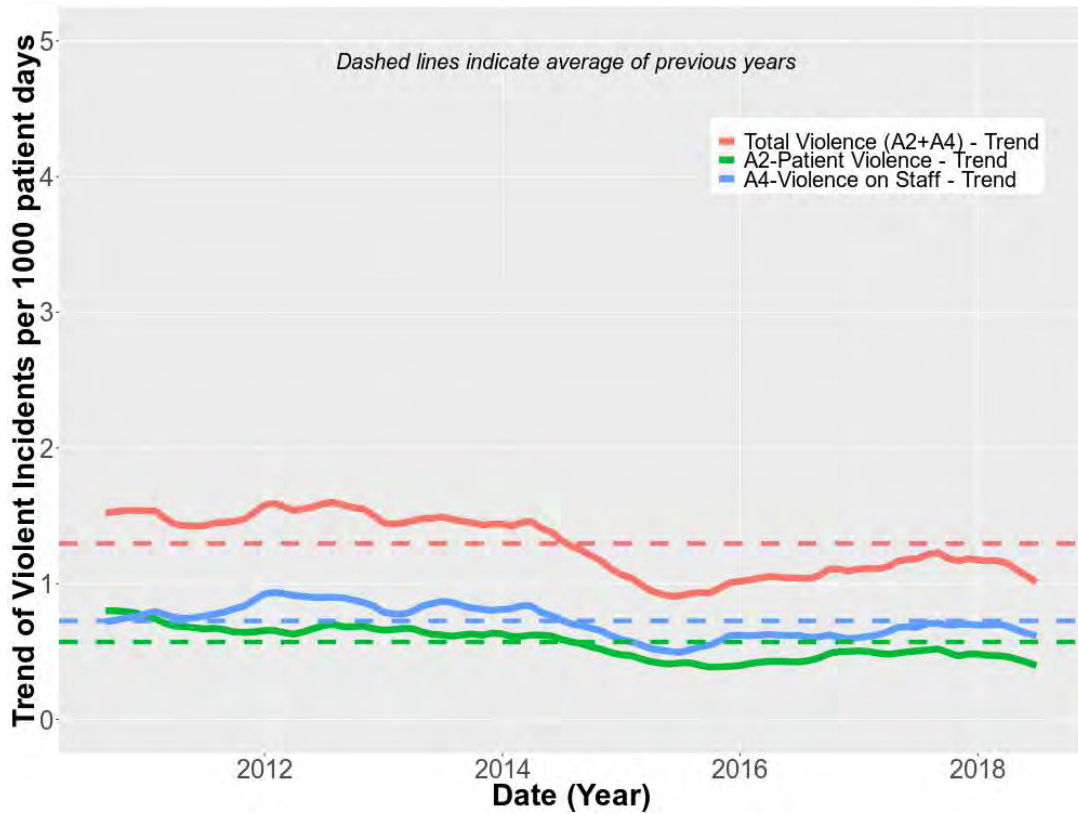
Figure VIII.20
Monthly Rates of SVP Assaults in all DSH Hospitals, per 1000 Patient Days



This graph presents the monthly rates of violence. Because it is hard to distinguish overall trends from the graph of monthly rates, these monthly rates are averaged in the next graph to better illustrate the overall trend over time.

Trend of Monthly Violence Rates

Figure VIII.21
Trend of Monthly Rates of SVP Assaults in all DSH Hospitals, per 1000 Patient Days



This graph presents the trend data of the monthly rates. This is accomplished by averaging the monthly rate with the 6 months previous and the 6 months following; this has the added benefit of removing any “seasonality” from the trend data. Because it averages the 6 months both previous & subsequent, the graph stops with June, 2018. Further information explaining this as well the method used to derive the trends from the monthly rate data is given in [Appendix H](#).

APPENDICES

In the sections following, a more detailed presentation of the individual hospital violence data is presented. First, a review of the yearly summary is presented, then a monthly summary, and then a monthly summary by each legal class at the hospital is shown. Readers should be aware of the differences in the population of each legal class across hospitals, as well as the differences in population across legal classes inside each hospital.

Appendix A: DSH-Atascadero

This section reviews and then further extends information presented earlier in this report*. In the first section, the overall hospital population, given as Average Daily Census (ADC) is given for each month during 2010-2018, broken down by legal class.

In the second section, the yearly rates of violence presented earlier are reviewed, and then in the following sections, the monthly rates of violence and trend of violence is given. In the remaining sections, the rates of violence by each individual legal class in the hospital is given, for the major groups at each hospital (i.e., IST's, NGRI's, OMD's, LPS, and SVP's).

When a given legal class numbers less than 20 at a hospital (typically DJJ or MDSO's), the overall data is not presented, as the numbers are too small to draw conclusions about that legal class (i.e., acts of violence are more related to an individual patient or just a few patients than to the legal class as a whole).

Note: Prior to January 1, 2016 DSH-Atascadero, coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. This resulted in an increase in the rates A4 assaults between 2015 and 2016. When using the same methodology as previous DSH Violence Reports, a DSH wide 2% decrease in the rate of patient on staff assaults from 2015 to 2016 can be seen. See [Section II.1.C](#) for further details.*

Table A.1
DSH-Atascadero Monthly ADC, By Legal Commitment

DATE	DJJ	IST	LPS	OMD	MDSO	NGRI	PC2684	SVP	TOTAL POP.
1/31/10	<11	82.65	<11	599.04	<11	124.29	219.29	11.8	1043.49
2/28/10	<11	77.54	<11	586.64	<11	123.21	241.18	12	1046.57
3/31/10	<11	65.81	<11	583.16	<11	123.03	251.29	12	1041.29
4/30/10	<11	66.7	<11	586.13	<11	122.13	254.43	11.24	1046.63
5/31/10	<11	108.13	<11	592.58	<11	121.55	249.71	12	1089.97
6/30/10	<11	170.33	<11	601.56	<11	123.5	236.57	<11	1148.39
7/31/10	<11	190.97	<11	600.65	<11	124.16	249.13	<11	1174.91
8/31/10	<11	194.58	<11	609.42	<11	122.19	242.16	<11	1179.25
9/30/10	<11	216.77	<11	606.33	<11	125.67	243.03	<11	1203.8
10/31/10	<11	239.19	<11	610.77	<11	124.48	227.94	<11	1215.18
11/30/10	<11	237.83	<11	611.8	<11	126.37	224.27	<11	1214.27
12/31/10	<11	234.45	<11	622.16	<11	124.39	215.74	<11	1211.13
1/31/11	<11	227.77	<11	629.61	<11	122.52	206.77	<11	1199.76
2/28/11	<11	208.64	<11	630.46	<11	122.75	201.36	<11	1176.42
3/31/11	<11	199.45	<11	640.49	<11	125.33	213.03	<11	1190.3
4/30/11	<11	201.63	<11	646	<11	129.64	206.9	<11	1196.17
5/31/11	<11	163.1	<11	646.65	<11	130.55	201.29	<11	1154.36
6/30/11	<11	125.33	<11	644.2	<11	130.66	192.37	<11	1105.02
7/31/11	<11	99.65	<11	652.15	<11	130.19	180.84	<11	1075.54
8/31/11	<11	94.13	<11	653.67	<11	127.35	174.65	<11	1062.19
9/30/11	<11	94.27	<11	652.66	<11	125.1	178.3	<11	1061.33
10/31/11	<11	99.58	<11	652.87	<11	123.48	188.58	<11	1075.96
11/30/11	<11	88.5	<11	637.1	<11	125.33	200.7	<11	1063.66
12/31/11	<11	83	<11	639.16	<11	124.7	213.52	<11	1072.58
1/31/12	<11	83.03	<11	646.52	<11	123.35	212.13	<11	1075.84
2/29/12	<11	88.21	<11	646.07	<11	123.89	205.9	<11	1074.38
3/31/12	<11	100.61	<11	643.12	<11	123.58	193.42	<11	1072.44
4/30/12	<11	122.3	<11	637	<11	125.13	183.63	<11	1079.06
5/31/12	<11	142.48	<11	628.36	<11	122.8	196.68	<11	1101.26
6/30/12	<11	138.13	<11	617.87	<11	122.3	205.23	<11	1093.53
7/31/12	<11	133.06	<11	610.26	<11	121.81	218	<11	1093.26
8/31/12	<11	127.77	<11	599.44	<11	125.51	220.55	<11	1082.75
9/30/12	<11	125.17	<11	597.27	<11	128.1	226.9	<11	1086.44
10/31/12	<11	133.16	<11	583.77	<11	132.19	235.32	<11	1092.99
11/30/12	<11	157.87	<11	588	<11	131.47	234.73	<11	1120.07
12/31/12	<11	162.22	<11	586.45	<11	131.84	227.16	<11	1115.67
1/31/13	<11	170.55	<11	592.65	<11	130.36	209.39	<11	1112.14

DATE	DJJ	IST	LPS	OMD	MDSO	NGRI	PC2684	SVP	TOTAL POP.
2/28/13	<11	174.21	<11	592.15	<11	127.75	199.61	<11	1103.11
3/31/13	<11	186.58	<11	563.48	<11	127.16	195.48	<11	1083.7
4/30/13	<11	183.8	<11	568.5	<11	126.2	197.43	<11	1086.93
5/31/13	<11	184.1	<11	554.12	<11	126.17	200.16	<11	1076.52
6/30/13	<11	173.47	<11	546.73	<11	124.8	204.03	<11	1061.03
7/31/13	<11	164.38	<11	530.1	<11	125.84	200.94	<11	1033.26
8/31/13	<11	153.65	<11	533.61	<11	126.39	217.03	<11	1042.33
9/30/13	<11	146.53	<11	535.94	<11	127.1	211.23	<11	1031.8
10/31/13	<11	127	<11	533.9	<11	128.39	212.61	<11	1010.96
11/30/13	<11	119.73	<11	538.96	<11	129	207	<11	1003.72
12/31/13	<11	115.81	<11	533.61	<11	128.74	202.39	<11	989.94
1/31/14	<11	113.9	<11	539.75	<11	130.45	205.65	<11	999.1
2/28/14	<11	126.22	<11	541.24	<11	134.61	203.89	<11	1015.1
3/31/14	<11	152.35	<11	543.71	<11	137.55	198.68	<11	1042.29
4/30/14	<11	164.07	<11	554.84	<11	138.37	211.4	<11	1078.72
5/31/14	<11	181.42	<11	552.71	<11	138.59	215.61	<11	1097.52
6/30/14	<11	186.93	<11	557.24	<11	136.8	199.97	<11	1090.27
7/31/14	<11	183.65	<11	566	<11	139.87	196.68	<11	1096.36
8/31/14	<11	191.87	<11	570.99	<11	142.58	189.06	<11	1103.5
9/30/14	<11	191.5	<11	581.43	<11	142.9	178.9	<11	1103.73
10/31/14	<11	183.16	<11	585.94	<11	143.03	178.19	<11	1100.58
11/30/14	<11	184.7	<11	590.93	<11	140.13	177.73	<11	1103.69
12/31/14	<11	173.7	<11	597.36	<11	140.42	175.23	<11	1095.71
1/31/15	<11	164.77	<11	613.68	<11	141.36	166.74	<11	1096.55
2/28/15	<11	164.39	<11	623.29	<11	140.28	159.39	<11	1097.35
3/31/15	<11	163.29	<11	634.45	<11	142.84	155.13	<11	1105.58
4/30/15	<11	160.07	<11	639.33	<11	144.26	148.4	<11	1101.03
5/31/15	<11	168.84	<11	631.58	<11	142.35	150.45	<11	1101.22
6/30/15	<11	164.2	<11	635.13	<11	143.8	150.37	<11	1101.5
7/31/15	<11	173.52	<11	615	<11	143.61	150.1	<11	1090.23
8/31/15	<11	209.13	<11	574.16	<11	146.19	145.06	<11	1082.73
9/30/15	<11	236.17	<11	573.74	<11	144.27	143	<11	1106.68
10/31/15	<11	251.87	<11	582.61	<11	145.29	145.84	<11	1135.61
11/30/15	<11	248.74	<11	580.73	<11	146.3	158.7	<11	1144.47
12/31/15	<11	237.13	<11	581.09	<11	143.74	172.87	<11	1144.83
1/31/16	<11	226.81	<11	582.51	<11	141.22	193.32	<11	1153.89
2/29/16	<11	213.14	<11	583.66	<11	135.97	229.1	<11	1172.9
3/31/16	<11	207.55	<11	564.64	<11	127.71	248.74	<11	1159.97
4/30/16	<11	216.97	<11	564.1	<11	121.93	248.57	<11	1162.63
5/31/16	<11	227.2	<11	576.13	<11	118.74	247.42	<11	1180.94

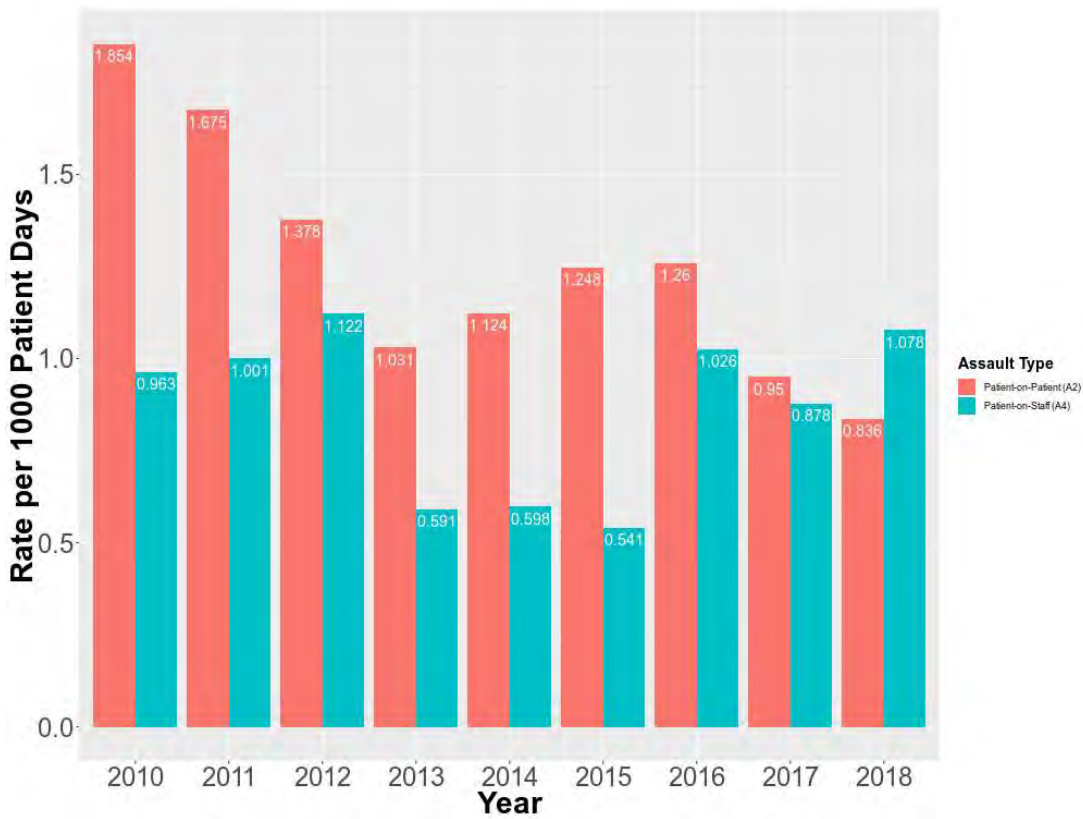
DATE	DJJ	IST	LPS	OMD	MDSO	NGRI	PC2684	SVP	TOTAL POP.
6/30/16	<11	242.37	<11	569.87	<11	119.8	232.83	<11	1176.87
7/31/16	<11	243.9	<11	567.32	<11	119.84	217.61	<11	1160.64
8/31/16	<11	231.42	<11	563.9	<11	120.23	212.35	<11	1139.16
9/30/16	<11	228.07	<11	573.4	<11	119.4	210.1	<11	1143.54
10/31/16	<11	258.9	<11	573.97	<11	120.03	216.87	<11	1182.51
11/30/16	<11	256.7	<11	573.53	<11	120.9	223.03	<11	1186.66
12/31/16	<11	248.04	<11	583	<11	119.49	217.59	<11	1182.12
1/31/17	<11	244.45	<11	591.81	<11	121	216	<11	1188.97
2/28/17	<11	221.78	11	594.78	<11	122	222.85	<11	1178.41
3/31/17	<11	216.55	<11	605.83	<11	124.35	217.87	<11	1182.12
4/30/17	<11	222.53	11	617.06	<11	124.13	203.86	<11	1185.58
5/31/17	<11	240.84	11	610.91	<11	126	182.71	<11	1177.62
6/30/17	<11	240.84	11.27	619.17	<11	127.2	170.4	<11	1174.51
7/31/17	<11	217.74	11.64	627.81	<11	129.26	174.22	<11	1166.32
8/31/17	<11	192.16	11.29	618.84	<11	131.68	198.13	<11	1157.1
9/30/17	<11	180.4	11.2	630.23	<11	131.5	211.07	<11	1169.9
10/31/17	<11	168.97	<11	646.91	<11	130.94	223.97	<11	1186.85
11/30/17	<11	160.24	11.5	642.07	<11	133.6	223.83	<11	1176.87
12/31/17	<11	177.06	12	636.48	<11	134	211.45	<11	1177.6
1/31/18	<11	185.49	12.77	643.67	<11	134.81	194.1	<11	1179.36
2/28/18	<11	176.89	13	650.54	<11	136.36	190.46	<11	1176.39
3/31/18	<11	162.17	12.94	651.81	<11	136.23	202.06	<11	1174.21
4/30/18	<11	159.37	12	659.57	<11	138.13	197.33	<11	1172.17
5/31/18	<11	173.61	12	665.13	<11	139.58	187.26	<11	1180.58
6/30/18	<11	181.76	12.03	665.23	<11	139.67	172.1	<11	1173.79
7/31/18	<11	172.58	12.48	672.13	<11	141.06	160.65	<11	1161.74
8/31/18	<11	183.48	13	670.71	<11	140.9	149.29	<11	1159.51
9/30/18	<11	184.86	12.4	655.63	<11	141.3	154.03	<11	1150.05
10/31/18	<11	193.61	12.23	647.91	<11	138.68	153.16	<11	1147.46
11/30/18	<11	206.84	12.03	642.27	<11	136.57	152.6	<11	1151.31
12/31/18	<11	215.42	13	625.65	<11	140.59	143	<11	1138.66

As can be seen, there were no DJJ patients at DSH-Atascadero during this time. Additionally, the numbers of LPS's, MDSO's, and SVP's were too few to allow conclusions to be drawn about violence trends, and so will not be presented.

Rates of Violence at DSH-Atascadero

Yearly Rates

Figure A.1
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Atascadero



Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. See [Section II.1.C](#) for further details.

- ▶▶ While percentages vary across different legal classes, overall, in 2018 the number of patient on patient assaults decreased 13.0% from the 2017 total (see Table A.2), while the number of patient on staff assaults increased by 21.5% from 2017 (see Table A.3).
- ▶▶ Coupled with a population decrease (measured in “total patient days”) in 2018 of 1.1%, the rate of patient on patient assault decreased 12.0% from 2017 (see Table A.2), while the rate of patient on staff assault increased 22.8% from 2017 (see Table A.3).

The following tables provide a yearly summary of the year-over-year changes in the assault rates.

Table A.2
DSH-Atascadero Yearly A2 Patient on Patient Assault Summary

YEAR	A2 PATIENT ON PATIENT ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	768	414309	1.854	NA
2011	684	408478	1.675	-9.7
2012	550	399192	1.378	-17.7
2013	396	384206	1.031	-25.2
2014	442	393302	1.124	9
2015	505	404796	1.248	11
2016	538	427041	1.26	1
2017	408	429536	0.95	-24.6
2018	355	424745	0.836	-12

Table A.3
DSH-Atascadero Yearly A4 Patient on Staff Assault Summary

YEAR	A4 PATIENT ON STAFF ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	399	414309	0.963	NA
2011	409	408478	1.001	3.9
2012	448	399192	1.122	12.1
2013	227	384206	0.591	-47.3
2014	235	393302	0.598	1.2
2015	219	404796	0.541	-9.5
2016	438	427041	1.026	89.6
2017	377	429536	0.878	-14.4
2018	458	424745	1.078	22.8

Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities.

The following figure and table provide further information into the types of staff assaults (Physical Contact-Made and Physical Contact-Attempted), information that has routinely been collected on staff assaults since 2016.

Figure A.2
Yearly Rates of Staff Assault, Contact Made or Attempted, per 1000 Patient Days, at DSH-Atascadero

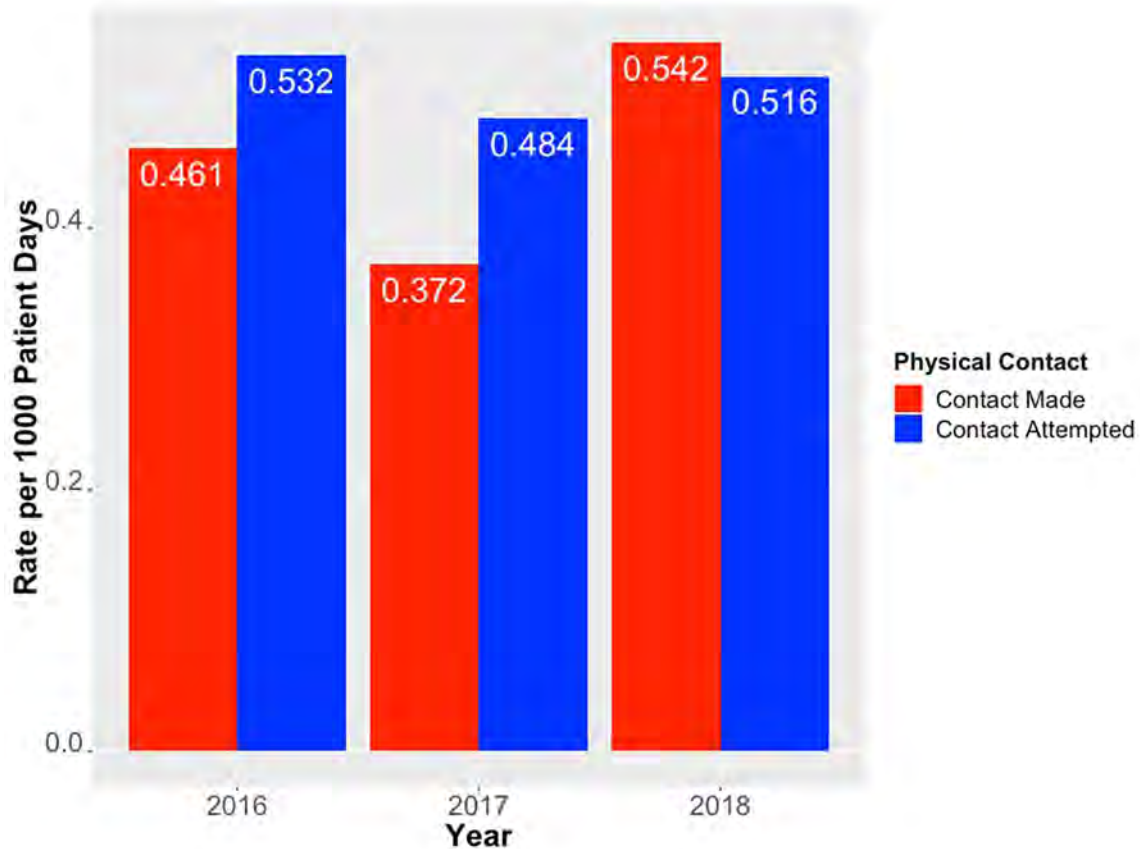


Table A.4
DSH – Atascadero Staff Assaults – Physical Contact Made and Contact Attempted

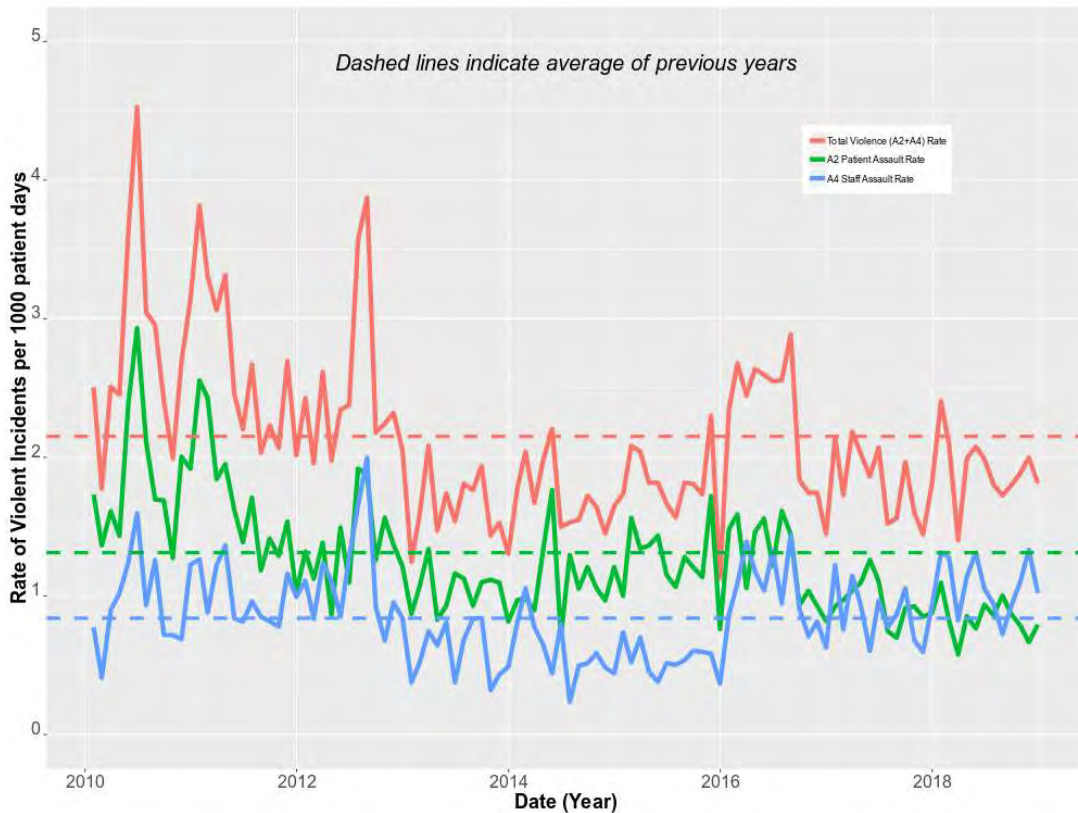
Year	Physical Contact	Count	Total Patient Days	Rate	% Change
2016	Contact Made	197	427041	0.461	NA
2016	Contact Attempted	227	427041	0.532	NA
2017	Contact Made	160	429536	0.372	-19.3
2017	Contact Attempted	208	429536	0.484	-8.9
2018	Contact Made	230	424745	0.542	45.4
2018	Contact Attempted	219	424745	0.516	6.5

As seen in the graph and table above, both categories of staff assault increased, with the largest increase (45.5%) seen in the category of “Physical Contact Made.”

Monthly Rates

The previous barplot (Fig. A.1) showed the violence rates as an overall yearly average and did not show the monthly variability in the rates that occurs regularly. Two figures are shown below, the first being a plot of the violence rates on a monthly basis (Fig. A.3), and the second (Fig. A.4) showing the violence rates for each month averaged over the six months before and after each month, to create a “smoothed” plot (much like you would see in a financial article, where daily results are “smoothed” to better discern trends over time). See [Appendix H](#) for more details of this method.

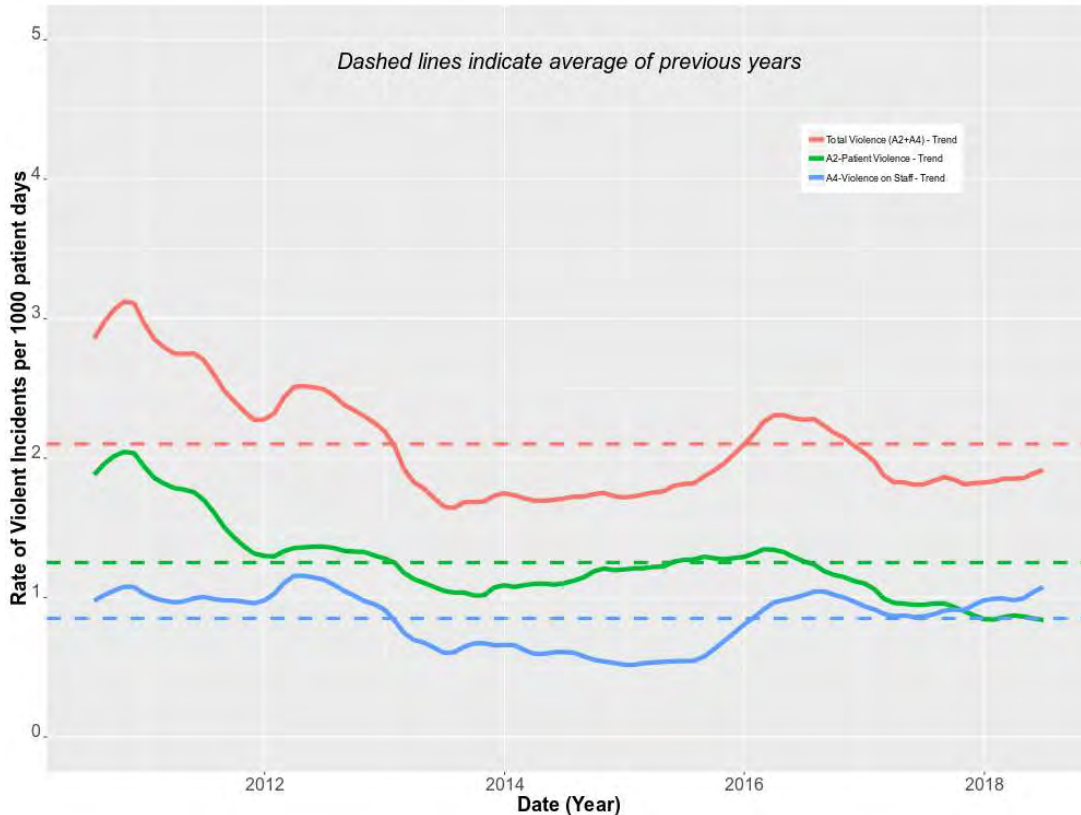
Figure A.3
DSH-Atascadero Monthly Rates of Violence per 1000 Patient Days



Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. This resulted in an increase in the rates A4 assaults between 2015 and 2016. See [Section II.I.C](#) for further details.

Trend of Monthly Rates

Figure A.4
DSH-Atascadero Trends of Monthly Rates of Violence per 1000 Patient Days



Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. This resulted in an increase in the rates A4 assaults between 2015 and 2016. See [Section II.1.C](#) for further details.

Figure A.4 shows the trend of the monthly violence rates (patient on patient assault, patient on staff assault, and total patient on patient and patient on staff assault) for DSH-Atascadero. The dashed lines indicate the previous years (2010-2017) average rate for each category, for comparison with 2018. Again, for more details on the methodology of trending the monthly rates data, please refer to [Appendix H](#).

Table A.5 provides a yearly summary of the year-over-year changes in the assault rates.

Table A.5
DSH-Atascadero Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	1.731	0.773	2.504
2/28/10	1.365	0.410	1.775
3/31/10	1.611	0.898	2.509
4/30/10	1.433	1.019	2.452
5/31/10	2.397	1.243	3.640
6/30/10	2.932	1.596	4.528
7/31/10	2.114	0.934	3.048
8/31/10	1.696	1.258	2.954
9/30/10	1.689	0.720	2.409
10/31/10	1.274	0.717	1.991
11/30/10	2.004	0.686	2.690
12/31/10	1.918	1.225	3.143
1/31/11	2.554	1.264	3.818
2/28/11	2.429	0.880	3.309
3/31/11	1.843	1.220	3.062
4/30/11	1.951	1.365	3.316
5/31/11	1.621	0.838	2.459
6/30/11	1.388	0.814	2.202
7/31/11	1.710	0.960	2.669
8/31/11	1.184	0.850	2.035
9/30/11	1.413	0.817	2.230
10/31/11	1.289	0.779	2.069
11/30/11	1.536	1.160	2.695
12/31/11	1.023	0.992	2.015
1/31/12	1.319	1.109	2.429
2/29/12	1.123	0.834	1.958
3/31/12	1.384	1.233	2.617
4/30/12	0.865	1.112	1.977
5/31/12	1.494	0.849	2.343
6/30/12	1.097	1.280	2.378
7/31/12	1.918	1.652	3.570
8/31/12	1.877	1.996	3.873
9/30/12	1.258	0.920	2.178
10/31/12	1.564	0.679	2.243
11/30/12	1.369	0.952	2.321
12/31/12	1.214	0.838	2.053
1/31/13	0.870	0.377	1.247

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/13	1.068	0.518	1.586
3/31/13	1.339	0.744	2.084
4/30/13	0.828	0.644	1.472
5/31/13	0.929	0.809	1.738
6/30/13	1.162	0.377	1.539
7/31/13	1.124	0.687	1.811
8/31/13	0.928	0.836	1.764
9/30/13	1.098	0.840	1.938
10/31/13	1.117	0.319	1.436
11/30/13	1.096	0.432	1.528
12/31/13	0.815	0.489	1.303
1/31/14	0.969	0.807	1.776
2/28/14	0.985	1.055	2.041
3/31/14	0.898	0.774	1.671
4/30/14	1.329	0.649	1.978
5/31/14	1.764	0.441	2.204
6/30/14	0.703	0.795	1.498
7/31/14	1.295	0.235	1.530
8/31/14	1.052	0.497	1.549
9/30/14	1.208	0.513	1.721
10/31/14	1.055	0.586	1.641
11/30/14	0.966	0.483	1.450
12/31/14	1.207	0.442	1.649
1/31/15	1.000	0.735	1.736
2/28/15	1.562	0.521	2.083
3/31/15	1.342	0.700	2.042
4/30/15	1.362	0.454	1.816
5/31/15	1.435	0.381	1.816
6/30/15	1.150	0.514	1.664
7/31/15	1.065	0.503	1.568
8/31/15	1.281	0.536	1.817
9/30/15	1.205	0.602	1.807
10/31/15	1.136	0.597	1.733
11/30/15	1.718	0.583	2.301
12/31/15	0.761	0.366	1.127
1/31/16	1.482	0.867	2.348
2/29/16	1.588	1.088	2.675
3/31/16	1.057	1.390	2.447
4/30/16	1.462	1.175	2.638
5/31/16	1.557	1.038	2.595
6/30/16	1.218	1.331	2.549
7/31/16	1.612	0.945	2.557

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
8/31/16	1.444	1.444	2.888
9/30/16	0.933	0.904	1.836
10/31/16	1.037	0.709	1.746
11/30/16	0.927	0.815	1.742
12/31/16	0.819	0.628	1.446
1/31/17	0.922	1.221	2.143
2/28/17	0.970	0.758	1.727
3/31/17	1.037	1.146	2.183
4/30/17	1.096	0.928	2.024
5/31/17	1.260	0.603	1.863
6/30/17	1.107	0.965	2.072
7/31/17	0.747	0.774	1.521
8/31/17	0.697	0.864	1.561
9/30/17	0.912	1.054	1.966
10/31/17	0.924	0.679	1.604
11/30/17	0.850	0.595	1.445
12/31/17	0.877	0.931	1.808
1/31/18	1.094	1.313	2.407
2/28/18	0.820	1.275	2.095
3/31/18	0.577	0.824	1.401
4/30/18	0.853	1.137	1.991
5/31/18	0.765	1.312	2.077
6/30/18	0.937	1.051	1.988
7/31/18	0.861	0.944	1.805
8/31/18	1.002	0.723	1.725
9/30/18	0.870	0.927	1.797
10/31/18	0.787	1.096	1.884
11/30/18	0.666	1.332	1.998
12/31/18	0.793	1.020	1.813

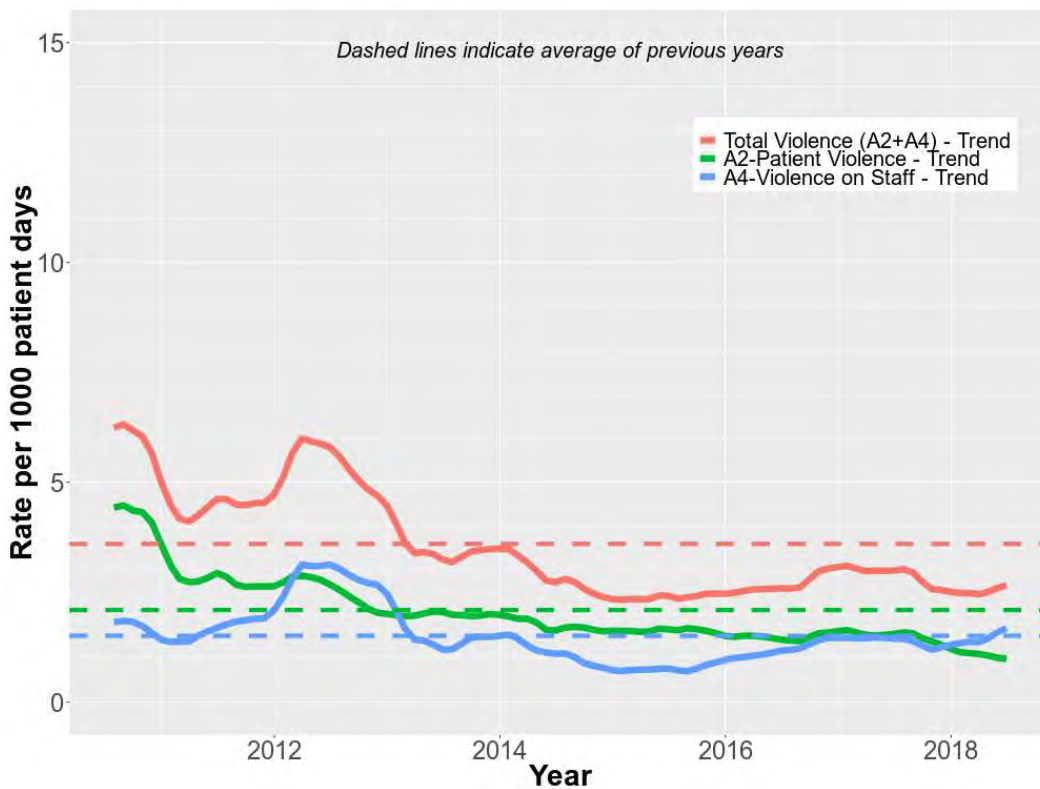
Violence Rates by Major Legal Classes

DSH-Atascadero IST's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure A.5
Trends of Monthly Rates of Violence for IST's at DSH-Atascadero

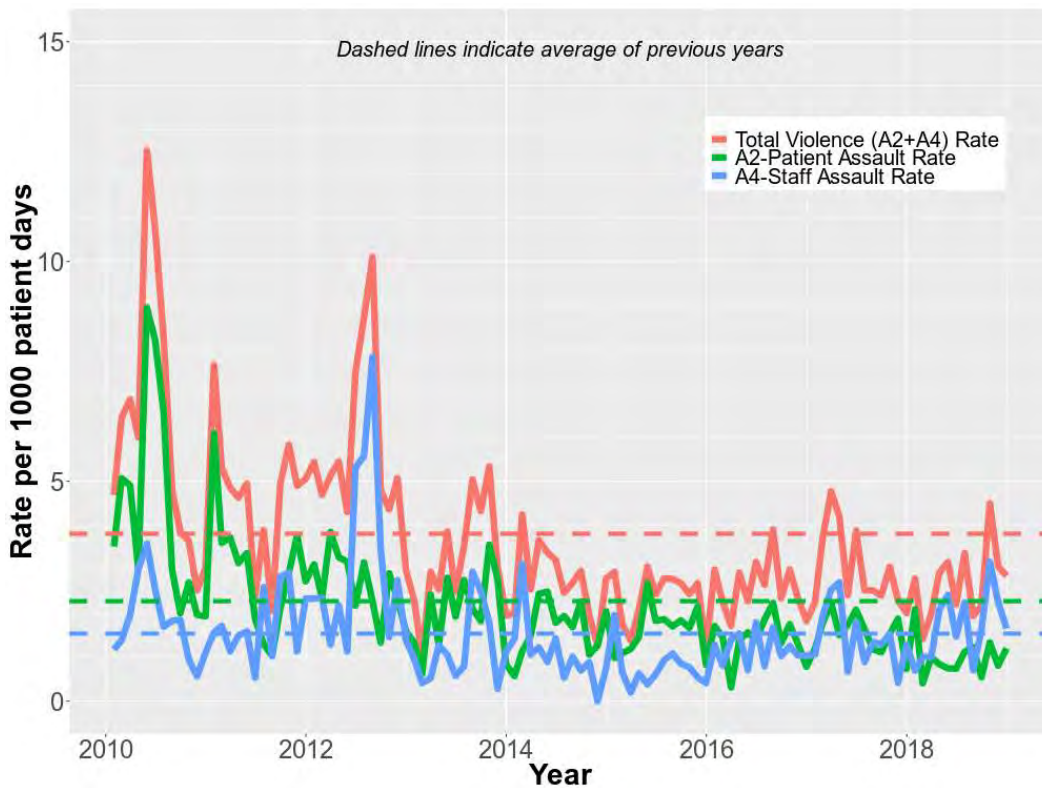


Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. [See Section II.1.C](#) for further details.

Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure A.6
Monthly Rates of Violence for IST's at DSH-Atascadero



Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. See [Section II.1.C](#) for further details.

Table A.6
DSH-Atascadero IST Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	3.513	1.171	4.684
2/28/10	5.067	1.382	6.449
3/31/10	4.902	1.961	6.863
4/30/10	2.999	2.999	5.997
5/31/10	8.950	3.580	12.530
6/30/10	8.219	2.544	10.763
7/31/10	6.588	1.689	8.277
8/31/10	2.984	1.824	4.808
9/30/10	1.999	1.845	3.844
10/31/10	2.697	0.944	3.641
11/30/10	1.962	0.561	2.523
12/31/10	1.926	1.101	3.027
1/31/11	6.090	1.558	7.648
2/28/11	3.595	1.712	5.306
3/31/11	3.720	1.132	4.852
4/30/11	3.141	1.488	4.629
5/31/11	3.362	1.582	4.945
6/30/11	1.862	0.532	2.394
7/31/11	1.295	2.590	3.885
8/31/11	1.028	1.028	2.056
9/30/11	2.122	2.829	4.950
10/31/11	2.915	2.915	5.831
11/30/11	3.766	1.130	4.896
12/31/11	2.721	2.332	5.052
1/31/12	3.108	2.331	5.439
2/29/12	2.346	2.346	4.691
3/31/12	3.847	1.282	5.130
4/30/12	3.271	2.180	5.451
5/31/12	3.170	1.132	4.302
6/30/12	2.172	5.309	7.481
7/31/12	3.152	5.576	8.727
8/31/12	2.272	7.826	10.098
9/30/12	1.332	3.462	4.794
10/31/12	2.907	1.453	4.360
11/30/12	2.323	2.745	5.068
12/31/12	1.591	1.392	2.983
1/31/13	1.324	0.946	2.270

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/13	0.615	0.410	1.025
3/31/13	2.420	0.519	2.939
4/30/13	1.269	1.269	2.539
5/31/13	2.804	1.051	3.855
6/30/13	1.922	0.576	2.498
7/31/13	2.747	0.785	3.532
8/31/13	2.100	2.939	5.039
9/30/13	1.820	2.502	4.322
10/31/13	3.556	1.778	5.334
11/30/13	2.784	0.278	3.062
12/31/13	0.836	1.114	1.950
1/31/14	0.566	1.416	1.982
2/28/14	1.132	3.113	4.244
3/31/14	1.482	1.059	2.541
4/30/14	2.438	1.219	3.657
5/31/14	2.489	0.889	3.378
6/30/14	1.783	1.427	3.210
7/31/14	1.932	0.527	2.459
8/31/14	1.681	1.009	2.690
9/30/14	2.263	0.696	2.959
10/31/14	1.057	0.881	1.937
11/30/14	1.263	0.000	1.263
12/31/14	2.043	0.743	2.786
1/31/15	0.979	1.958	2.937
2/28/15	1.086	0.652	1.738
3/31/15	1.185	0.198	1.383
4/30/15	1.458	0.625	2.082
5/31/15	2.675	0.382	3.057
6/30/15	1.827	0.609	2.436
7/31/15	1.859	0.930	2.789
8/31/15	1.697	1.080	2.776
9/30/15	1.835	0.847	2.682
10/31/15	1.665	0.768	2.433
11/30/15	2.144	0.536	2.680
12/31/15	0.816	0.408	1.224
1/31/16	1.707	1.280	2.987
2/29/16	1.456	0.809	2.265
3/31/16	0.311	1.399	1.710
4/30/16	1.383	1.536	2.919
5/31/16	1.562	0.710	2.272
6/30/16	1.375	1.788	3.163

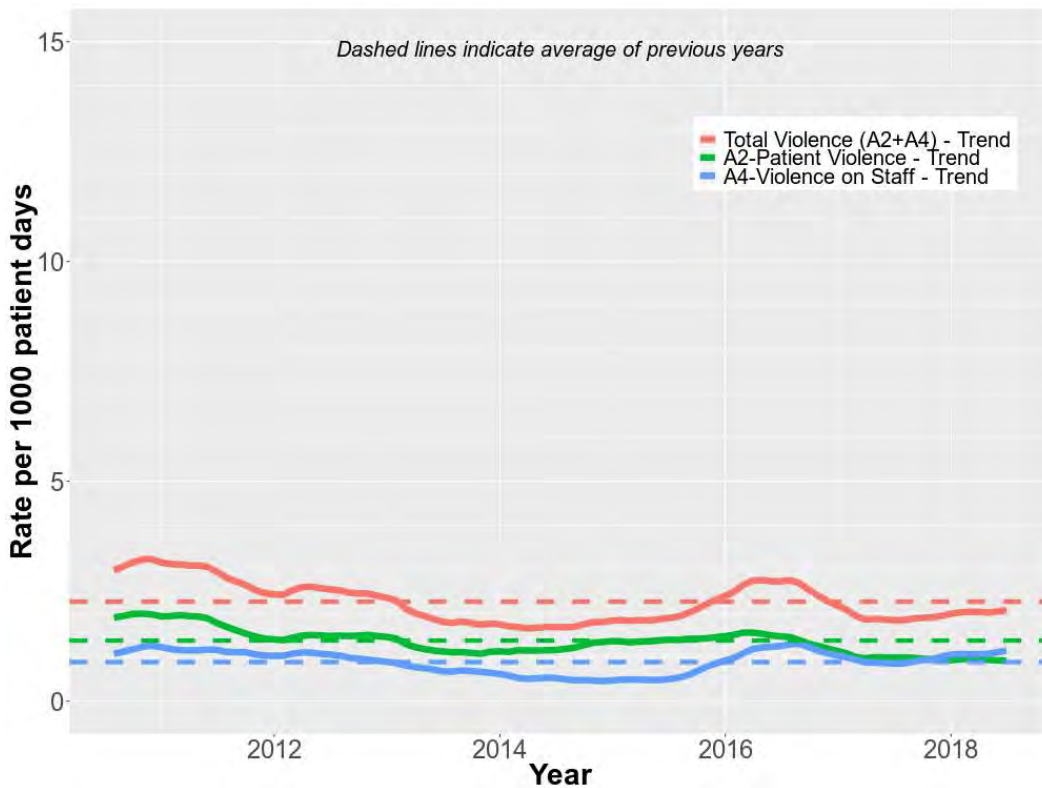
DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
7/31/16	1.852	0.794	2.645
8/31/16	2.230	1.673	3.903
9/30/16	1.315	1.023	2.338
10/31/16	1.744	1.246	2.990
11/30/16	1.299	1.039	2.337
12/31/16	0.780	1.040	1.821
1/31/17	1.188	1.056	2.243
2/28/17	1.771	1.932	3.704
3/31/17	2.234	2.532	4.767
4/30/17	1.498	2.696	4.194
5/31/17	1.741	0.670	2.411
6/30/17	2.076	1.799	3.875
7/31/17	1.630	0.889	2.519
8/31/17	1.175	1.343	2.518
9/30/17	1.109	1.293	2.402
10/31/17	1.527	1.527	3.055
11/30/17	1.872	0.416	2.288
12/31/17	0.729	1.275	2.004
1/31/18	2.087	0.696	2.783
2/28/18	0.404	1.009	1.413
3/31/18	0.995	0.995	1.989
4/30/18	0.837	2.092	2.928
5/31/18	0.743	2.415	3.159
6/30/18	0.734	1.467	2.201
7/31/18	1.121	2.243	3.364
8/31/18	1.231	0.703	1.934
9/30/18	0.541	1.623	2.164
10/31/18	1.333	3.166	4.499
11/30/18	0.806	2.256	3.062

DSH-Atascadero OMD's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure A.7
Trends of Monthly Rates of Violence for OMD's at DSH-Atascadero

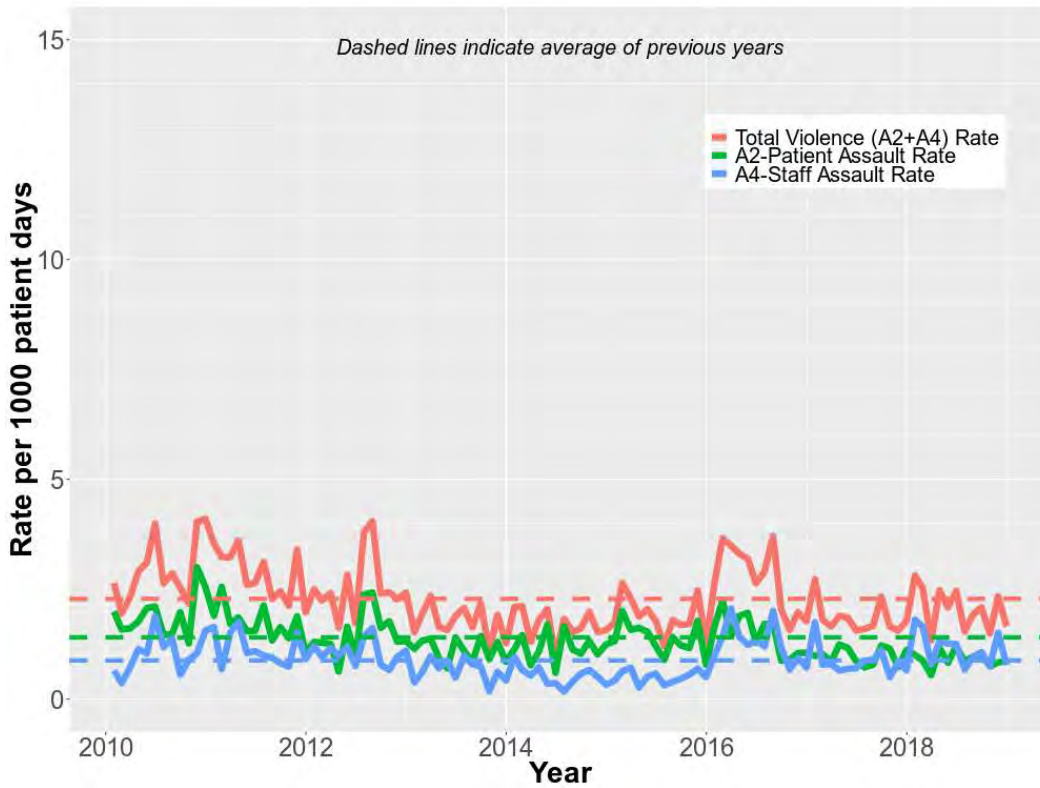


Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. See [Section II.I.C](#) for further details.

Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure A.8
Monthly Rates of Violence for OMD's at DSH-Atascadero



Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. See [Section II.1.C](#) for further details.

Table A.7
DSH-Atascadero OMD Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	1.992	0.646	2.639
2/28/10	1.583	0.365	1.948
3/31/10	1.604	0.719	2.323
4/30/10	1.763	1.137	2.900
5/31/10	2.069	1.034	3.103
6/30/10	2.106	1.884	3.990
7/31/10	1.450	1.182	2.632
8/31/10	1.482	1.376	2.858
9/30/10	1.979	0.550	2.529
10/31/10	1.268	0.898	2.165
11/30/10	2.997	1.035	4.032
12/31/10	2.541	1.555	4.096
1/31/11	1.896	1.640	3.535
2/28/11	2.549	0.680	3.229
3/31/11	1.712	1.511	3.223
4/30/11	1.858	1.754	3.612
5/31/11	1.546	1.048	2.594
6/30/11	1.552	1.087	2.639
7/31/11	2.127	0.989	3.116
8/31/11	1.332	0.938	2.270
9/30/11	1.634	0.817	2.451
10/31/11	1.383	0.741	2.125
11/30/11	1.884	1.517	3.401
12/31/11	1.060	0.908	1.968
1/31/12	1.297	1.197	2.495
2/29/12	1.281	0.961	2.242
3/31/12	1.254	1.154	2.408
4/30/12	0.628	0.994	1.622
5/31/12	1.643	1.181	2.824
6/30/12	0.971	0.755	1.726
7/31/12	2.379	1.427	3.806
8/31/12	2.422	1.614	4.036
9/30/12	1.618	0.781	2.400
10/31/12	1.768	0.663	2.431
11/30/12	1.304	0.964	2.268
12/31/12	1.320	1.100	2.420
1/31/13	1.143	0.381	1.524

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/13	1.327	0.603	1.930
3/31/13	1.374	0.973	2.347
4/30/13	0.938	0.704	1.642
5/31/13	0.699	0.873	1.572
6/30/13	1.402	0.488	1.890
7/31/13	1.095	0.974	2.069
8/31/13	0.846	0.786	1.632
9/30/13	1.431	0.746	2.177
10/31/13	0.906	0.181	1.088
11/30/13	1.299	0.618	1.917
12/31/13	0.846	0.423	1.269
1/31/14	1.136	0.956	2.092
2/28/14	1.452	0.660	2.112
3/31/14	0.771	0.534	1.305
4/30/14	1.081	0.721	1.802
5/31/14	1.693	0.350	2.043
6/30/14	0.598	0.359	0.957
7/31/14	1.653	0.171	1.824
8/31/14	1.130	0.395	1.525
9/30/14	1.032	0.573	1.605
10/31/14	1.321	0.661	1.982
11/30/14	1.015	0.508	1.523
12/31/14	1.242	0.324	1.566
1/31/15	1.314	0.421	1.735
2/28/15	2.006	0.630	2.636
3/31/15	1.576	0.712	2.288
4/30/15	1.616	0.261	1.877
5/31/15	1.532	0.511	2.043
6/30/15	1.207	0.577	1.784
7/31/15	0.892	0.315	1.206
8/31/15	1.405	0.393	1.798
9/30/15	1.220	0.465	1.685
10/31/15	1.163	0.554	1.716
11/30/15	1.779	0.689	2.468
12/31/15	0.777	0.500	1.277
1/31/16	1.661	0.997	2.658
2/29/16	2.245	1.418	3.663
3/31/16	1.428	2.057	3.485
4/30/16	1.891	1.418	3.309
5/31/16	1.960	1.232	3.191
6/30/16	1.287	1.345	2.632
7/31/16	1.706	1.194	2.900

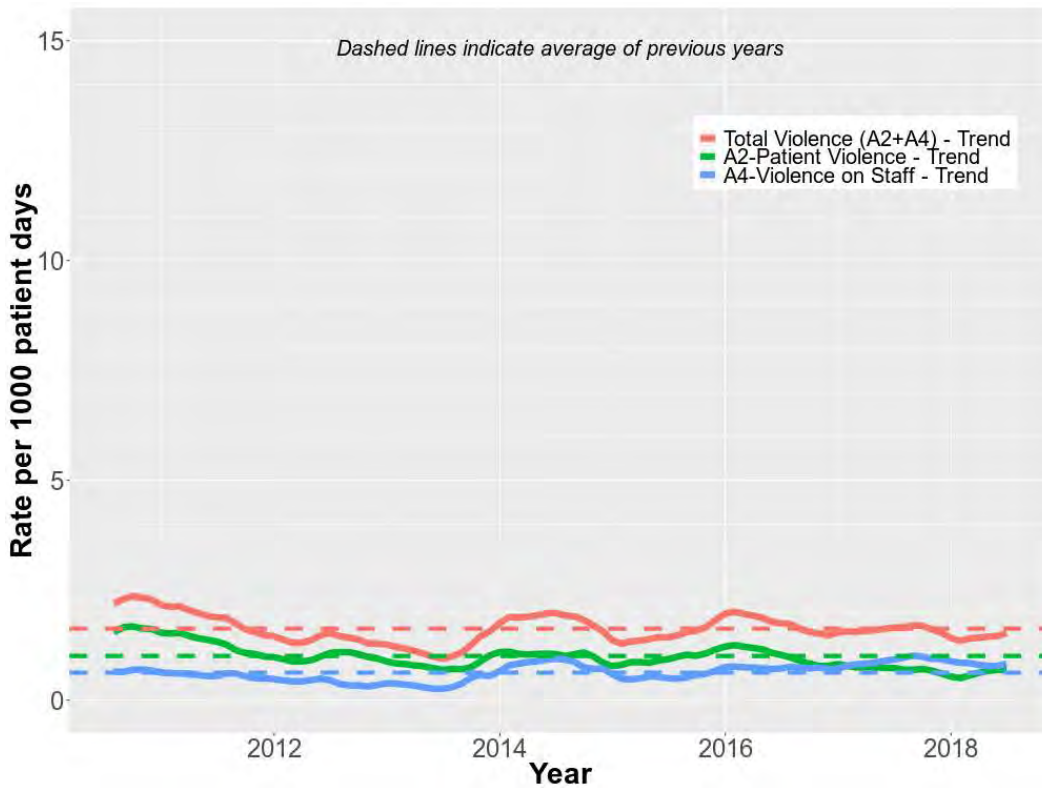
DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
8/31/16	1.716	2.002	3.718
9/30/16	0.872	1.163	2.035
10/31/16	0.899	0.674	1.574
11/30/16	1.046	0.930	1.976
12/31/16	1.051	0.719	1.771
1/31/17	0.981	1.744	2.725
2/28/17	1.021	0.781	1.801
3/31/17	0.852	0.799	1.651
4/30/17	1.242	0.648	1.891
5/31/17	1.162	0.686	1.848
6/30/17	0.861	0.700	1.561
7/31/17	0.719	0.873	1.593
8/31/17	0.782	0.886	1.668
9/30/17	1.216	1.111	2.327
10/31/17	1.147	0.499	1.646
11/30/17	0.727	0.831	1.557
12/31/17	1.115	0.659	1.774
1/31/18	1.002	1.804	2.806
2/28/18	0.878	1.647	2.525
3/31/18	0.544	0.792	1.336
4/30/18	1.162	1.314	2.476
5/31/18	0.824	1.261	2.085
6/30/18	1.203	1.253	2.455
7/31/18	0.864	0.672	1.536
8/31/18	0.962	0.962	1.924
9/30/18	1.017	1.068	2.084
10/31/18	0.747	0.747	1.494
11/30/18	0.830	1.505	2.335
12/31/18	0.877	0.773	1.650

DSH-Atascadero NGRI's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure A.9
Trends of Monthly Rates of Violence for NGRI's at DSH-Atascadero

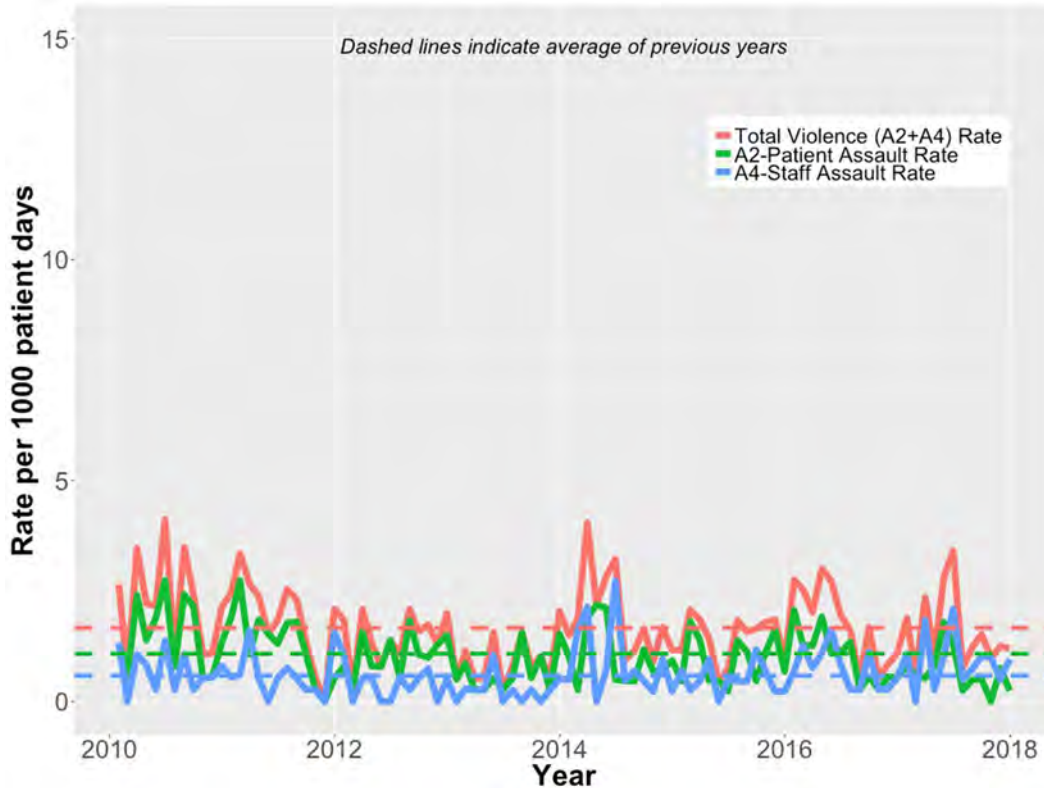


Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. See [Section II.I.C](#) for further details.

Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure A.10
Monthly Rates of Violence for NGRI's at DSH-Atascadero



Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. See [Section II.I.C](#) for further details.

Table A.8
DSH-Atascadero NGRI Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	1.298	1.298	2.595
2/28/10	0.580	0.000	0.580
3/31/10	2.622	1.049	3.671
4/30/10	1.365	0.819	2.183
5/31/10	2.123	0.265	2.389
6/30/10	2.699	1.350	4.049
7/31/10	0.779	0.260	1.039
8/31/10	2.376	1.056	3.432
9/30/10	2.122	0.265	2.387
10/31/10	0.518	0.518	1.037
11/30/10	0.528	0.528	1.055
12/31/10	1.297	0.778	2.075
1/31/11	1.843	0.527	2.370
2/28/11	2.619	0.582	3.200
3/31/11	1.030	1.544	2.574
4/30/11	1.800	0.514	2.314
5/31/11	1.483	0.000	1.483
6/30/11	1.276	0.510	1.786
7/31/11	1.734	0.743	2.478
8/31/11	1.773	0.507	2.280
9/30/11	1.066	0.266	1.332
10/31/11	0.261	0.261	0.522
11/30/11	0.000	0.000	0.000
12/31/11	0.776	1.552	2.328
1/31/12	0.785	1.046	1.831
2/29/12	0.557	0.000	0.557
3/31/12	1.566	0.522	2.088
4/30/12	0.799	0.533	1.332
5/31/12	1.051	0.000	1.051
6/30/12	1.363	0.000	1.363
7/31/12	0.530	0.530	1.059
8/31/12	1.799	0.257	2.056
9/30/12	1.041	0.520	1.561
10/31/12	0.976	0.732	1.708
11/30/12	1.268	0.254	1.521
12/31/12	1.468	0.489	1.957
1/31/13	0.495	0.000	0.495

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/13	0.839	0.280	1.118
3/31/13	0.254	0.254	0.507
4/30/13	0.528	0.264	0.792
5/31/13	0.511	1.023	1.534
6/30/13	0.267	0.000	0.267
7/31/13	0.513	0.256	0.769
8/31/13	1.531	0.000	1.531
9/30/13	0.525	0.262	0.787
10/31/13	1.005	0.000	1.005
11/30/13	0.258	0.258	0.517
12/31/13	1.503	0.501	2.005
1/31/14	0.989	0.742	1.731
2/28/14	0.265	1.592	1.857
3/31/14	1.876	2.111	3.987
4/30/14	2.168	0.000	2.168
5/31/14	2.095	0.698	2.793
6/30/14	0.487	2.924	3.411
7/31/14	0.461	0.461	0.923
8/31/14	0.452	0.679	1.131
9/30/14	1.166	0.467	1.633
10/31/14	0.677	0.226	0.902
11/30/14	0.714	0.951	1.665
12/31/14	0.919	0.230	1.149
1/31/15	0.456	0.685	1.141
2/28/15	1.782	0.255	2.037
3/31/15	1.355	0.452	1.807
4/30/15	0.462	0.924	1.386
5/31/15	0.453	0.000	0.453
6/30/15	0.232	0.464	0.695
7/31/15	1.348	0.449	1.797
8/31/15	1.103	0.441	1.545
9/30/15	0.462	1.155	1.617
10/31/15	1.110	0.666	1.776
11/30/15	1.595	0.228	1.823
12/31/15	0.673	0.224	0.898
1/31/16	2.056	0.457	2.513
2/29/16	1.268	1.268	2.536
3/31/16	1.263	0.758	2.021
4/30/16	1.914	1.093	3.007
5/31/16	1.087	1.630	2.717
6/30/16	1.113	0.835	1.948

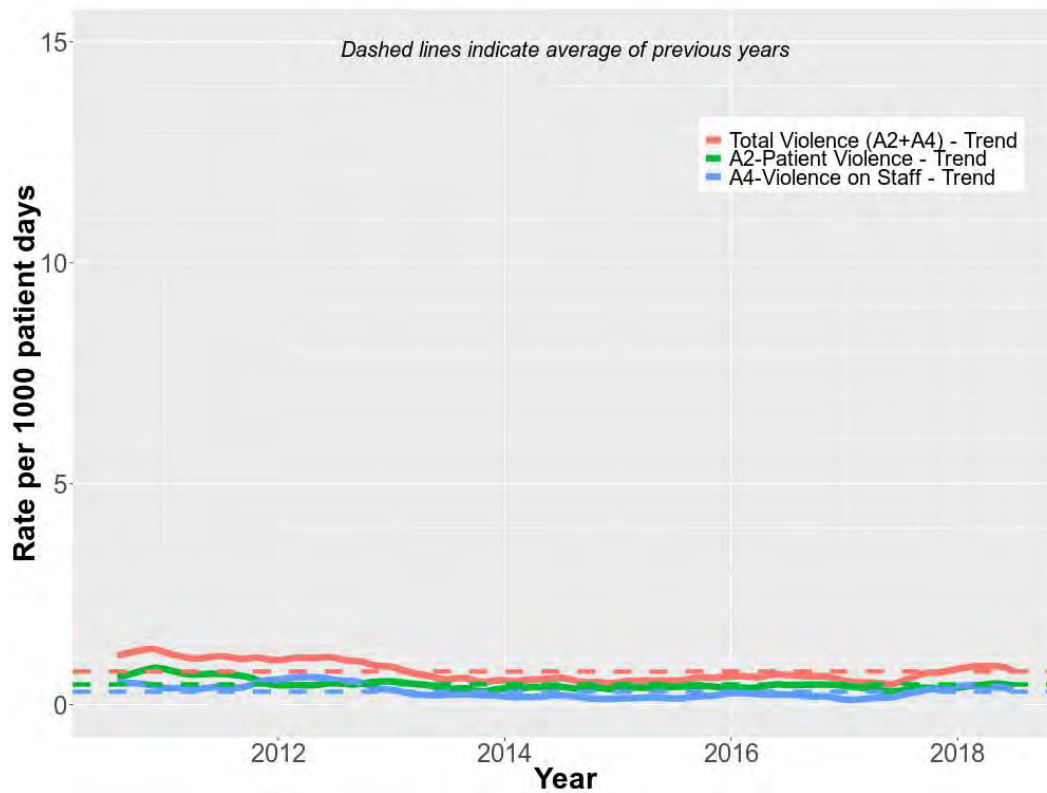
DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
7/31/16	1.346	0.269	1.615
8/31/16	0.268	0.268	0.537
9/30/16	0.558	1.117	1.675
10/31/16	0.269	0.269	0.537
11/30/16	0.551	0.276	0.827
12/31/16	0.540	0.540	1.080
1/31/17	0.800	1.066	1.866
2/28/17	0.585	0.000	0.585
3/31/17	0.519	1.816	2.335
4/30/17	1.343	0.537	1.880
5/31/17	1.792	1.024	2.816
6/30/17	1.310	2.096	3.407
7/31/17	0.250	0.499	0.749
8/31/17	0.490	0.735	1.225
9/30/17	0.507	1.014	1.521
10/31/17	0.000	0.985	0.985
11/30/17	0.749	0.499	1.248
12/31/17	0.241	0.963	1.204
1/31/18	0.239	1.675	1.914
2/28/18	1.048	0.524	1.572
3/31/18	0.474	0.710	1.184
4/30/18	0.483	0.483	0.965
5/31/18	1.156	0.924	2.080
6/30/18	0.239	0.955	1.193
7/31/18	0.457	0.915	1.372
8/31/18	1.603	0.229	1.832
9/30/18	0.944	0.472	1.415
10/31/18	0.698	0.930	1.628
11/30/18	0.488	0.488	0.976
12/31/18	0.688	2.295	2.983

DSH-Atascadero PC2684's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure A.11
Trends of Monthly Rates of Violence for PC2684's at DSH-Atascadero

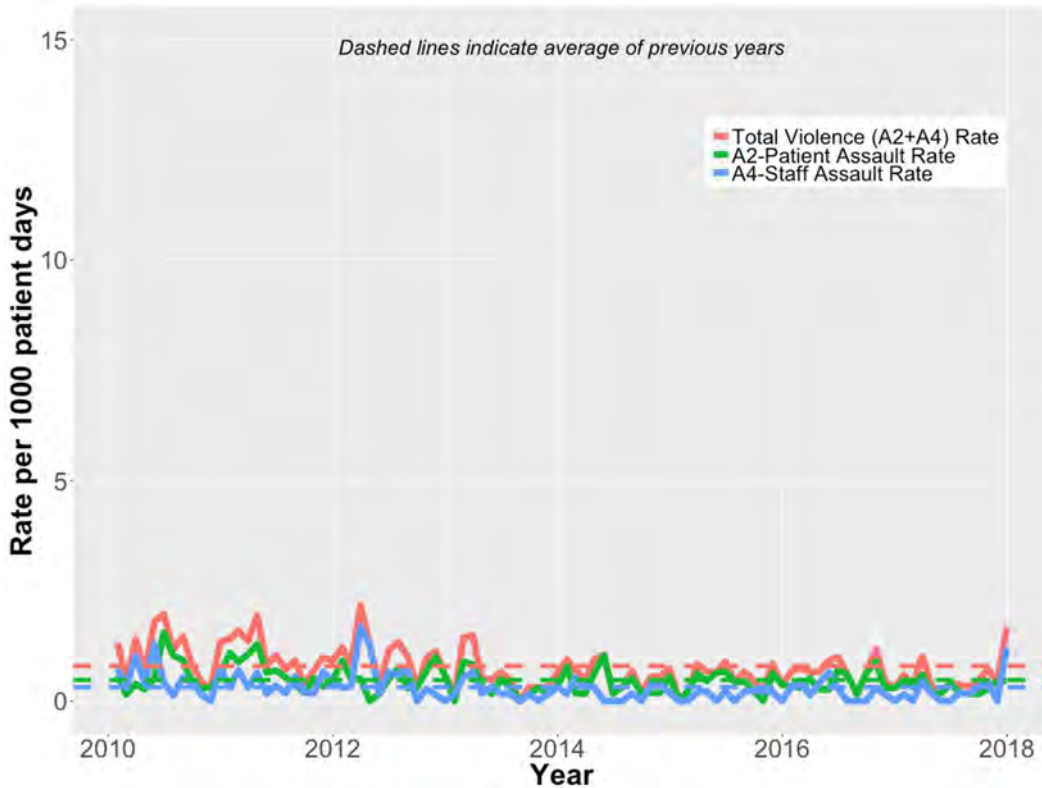


Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. See [Section II.I.C](#) for further details.

Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure A.12
Monthly Rates of Violence for PC2684's at DSH-Atascadero



Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient on Staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient on Staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. See [Section II.1.C](#) for further details.

Table A.9
DSH-Atascadero PC2684 Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	0.588	0.736	1.324
2/28/10	0.148	0.296	0.444
3/31/10	0.385	1.027	1.412
4/30/10	0.393	0.393	0.786
5/31/10	0.517	1.292	1.809
6/30/10	1.550	0.423	1.973
7/31/10	1.036	0.129	1.165
8/31/10	0.932	0.533	1.465
9/30/10	0.411	0.411	0.823
10/31/10	0.283	0.142	0.425
11/30/10	0.297	0.000	0.297
12/31/10	0.598	0.748	1.346
1/31/11	1.092	0.312	1.404
2/28/11	0.887	0.709	1.596
3/31/11	1.060	0.303	1.363
4/30/11	1.289	0.644	1.933
5/31/11	0.641	0.160	0.801
6/30/11	0.693	0.347	1.040
7/31/11	0.535	0.178	0.714
8/31/11	0.369	0.554	0.924
9/30/11	0.374	0.187	0.561
10/31/11	0.513	0.171	0.684
11/30/11	0.332	0.664	0.997
12/31/11	0.453	0.453	0.906
1/31/12	0.912	0.304	1.217
2/29/12	0.502	0.335	0.837
3/31/12	0.500	2.001	2.502
4/30/12	0.000	1.271	1.271
5/31/12	0.164	0.164	0.328
6/30/12	0.487	0.650	1.137
7/31/12	0.740	0.592	1.332
8/31/12	0.293	0.731	1.024
9/30/12	0.294	0.000	0.294
10/31/12	0.685	0.274	0.960
11/30/12	0.994	0.142	1.136
12/31/12	0.568	0.000	0.568
1/31/13	0.000	0.154	0.154

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/13	0.895	0.537	1.431
3/31/13	0.825	0.660	1.485
4/30/13	0.338	0.169	0.507
5/31/13	0.161	0.322	0.483
6/30/13	0.490	0.163	0.653
7/31/13	0.321	0.161	0.482
8/31/13	0.000	0.000	0.000
9/30/13	0.158	0.158	0.316
10/31/13	0.303	0.000	0.303
11/30/13	0.161	0.161	0.322
12/31/13	0.319	0.319	0.638
1/31/14	0.784	0.157	0.941
2/28/14	0.175	0.525	0.701
3/31/14	0.162	0.325	0.487
4/30/14	0.631	0.315	0.946
5/31/14	1.047	0.000	1.047
6/30/14	0.167	0.000	0.167
7/31/14	0.328	0.000	0.328
8/31/14	0.512	0.171	0.682
9/30/14	0.186	0.000	0.186
10/31/14	0.181	0.362	0.543
11/30/14	0.188	0.375	0.563
12/31/14	0.552	0.184	0.736
1/31/15	0.000	0.000	0.000
2/28/15	0.224	0.000	0.224
3/31/15	0.624	0.208	0.832
4/30/15	0.449	0.225	0.674
5/31/15	0.643	0.000	0.643
6/30/15	0.665	0.222	0.887
7/31/15	0.430	0.000	0.430
8/31/15	0.445	0.222	0.667
9/30/15	0.233	0.233	0.466
10/31/15	0.000	0.221	0.221
11/30/15	0.630	0.210	0.840
12/31/15	0.373	0.000	0.373
1/31/16	0.334	0.334	0.667
2/29/16	0.301	0.452	0.753
3/31/16	0.519	0.130	0.648
4/30/16	0.268	0.402	0.671
5/31/16	0.261	0.652	0.913
6/30/16	0.716	0.286	1.002
7/31/16	0.593	0.000	0.593

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
8/31/16	0.152	0.000	0.152
9/30/16	0.635	0.000	0.635
10/31/16	0.892	0.297	1.190
11/30/16	0.299	0.149	0.448
12/31/16	0.297	0.000	0.297
1/31/17	0.448	0.149	0.597
2/28/17	0.321	0.000	0.321
3/31/17	0.592	0.444	1.036
4/30/17	0.164	0.164	0.327
5/31/17	0.177	0.000	0.177
6/30/17	0.391	0.000	0.391
7/31/17	0.185	0.185	0.370
8/31/17	0.163	0.163	0.326
9/30/17	0.158	0.316	0.474
10/31/17	0.288	0.432	0.720
11/30/17	0.447	0.000	0.447
12/31/17	0.458	1.220	1.678
1/31/18	0.997	0.166	1.163
2/28/18	0.750	0.938	1.688
3/31/18	0.160	0.639	0.798
4/30/18	0.169	0.338	0.507
5/31/18	0.345	0.689	1.034
6/30/18	0.581	0.000	0.581
7/31/18	0.602	0.402	1.004
8/31/18	0.216	0.000	0.216
9/30/18	0.649	0.000	0.649
10/31/18	0.421	0.211	0.632
11/30/18	0.000	0.000	0.000
12/31/18	0.000	0.000	0.000

Appendix B: DSH-Coalinga

This section reviews and then further extends information presented earlier in this report.

In the first section, the overall hospital population, given as Average Daily Census (ADC) is given for each month during 2010-2018, broken down by legal class.

In the second section, the yearly rates of violence presented earlier are reviewed, and then in the following sections, the monthly rates of violence and trend of violence is given.

In the remaining sections, the rates of violence by each individual legal class in the hospital is given, for the major groups at each hospital (i.e., IST's, NGRI's, OMD's, LPS, and SVP's).

When a given legal class numbers less than 20 at a hospital (typically DJJ or MDSO's), the overall data is not presented, as the numbers are too small to draw conclusions about that legal class (i.e., acts of violence are more related to an individual patient or just a few patients than to the legal class as a whole).

Table B.1
DSH-Coalinga Monthly ADC, By Legal Commitment

DATE	DJJ	IST	LPS	OMD	MDSO	NGRI	PC2684	SVP	TOTAL POP.
1/31/10	<11	<11	<11	87.26	<11	<11	34.23	843.61	966.68
2/28/10	<11	<11	<11	98.07	<11	<11	28.57	840.68	969.32
3/31/10	<11	<11	<11	101	<11	<11	12.77	841.49	957.26
4/30/10	<11	<11	<11	101	<11	<11	<11	844.1	952
5/31/10	<11	<11	<11	100.71	<11	<11	<11	844.8	947.51
6/30/10	<11	<11	<11	98.33	<11	<11	<11	846.8	947.13
7/31/10	<11	<11	<11	98	<11	<11	<11	853.3	953.3
8/31/10	<11	<11	<11	97.29	<11	<11	<11	852.1	951.39
9/30/10	<11	<11	<11	97	<11	<11	<11	851.3	950.3
10/31/10	<11	<11	<11	97	<11	<11	<11	849.84	948.84
11/30/10	<11	<11	<11	97	<11	<11	<11	848.73	947.73
12/31/10	<11	<11	<11	96.65	<11	<11	<11	849.65	948.3
1/31/11	<11	<11	<11	96.32	<11	<11	<11	847.58	946.58
2/28/11	<11	<11	<11	95.04	<11	<11	<11	851.46	949.5
3/31/11	<11	<11	<11	96	<11	<11	<11	854.13	953.13
4/30/11	<11	<11	<11	95.7	<11	<11	<11	856.4	955.1
5/31/11	<11	<11	<11	95.87	<11	<11	<11	860.26	960.03
6/30/11	<11	<11	<11	96.6	<11	<11	<11	862.94	963.54
7/31/11	<11	<11	<11	95.19	<11	<11	<11	864.51	963.7
8/31/11	<11	<11	<11	95.45	<11	<11	<11	863.38	962.83
9/30/11	<11	<11	<11	96	<11	<11	<11	865.67	966
10/31/11	<11	<11	<11	96	<11	<11	<11	865.29	966.29
11/30/11	<11	<11	<11	94.97	<11	<11	15.1	864.53	979.6
12/31/11	<11	<11	<11	93.84	<11	<11	40.32	867.29	1006.45
1/31/12	<11	<11	<11	92.84	<11	<11	49.42	871.77	1019.03
2/29/12	<11	<11	<11	93	<11	<11	49.52	878.76	1026.28
3/31/12	<11	<11	<11	93	<11	<11	48.03	881.97	1028
4/30/12	<11	<11	<11	92.13	<11	<11	45.63	882.6	1025.36
5/31/12	<11	<11	<11	90.42	<11	<11	49.65	882.74	1027.81
6/30/12	<11	<11	<11	90.3	<11	<11	49.57	884.2	1029.07
7/31/12	<11	<11	<11	90	<11	<11	49.23	888.93	1033.16
8/31/12	<11	<11	<11	92	<11	<11	49.61	892.61	1039.22
9/30/12	<11	<11	<11	91.63	<11	<11	49.67	896.97	1043.27
10/31/12	<11	<11	<11	91.52	<11	<11	48.32	896.9	1041.74
11/30/12	<11	<11	<11	90.9	<11	<11	47.43	899.33	1042.66
12/31/12	<11	<11	<11	92.65	<11	<11	45.06	898.94	1041.65
1/31/13	<11	<11	<11	92.39	<11	<11	40.81	898.97	1037.17

DATE	DJJ	IST	LPS	OMD	MDSO	NGRI	PC2684	SVP	TOTAL POP.
2/28/13	<11	<11	<11	96.57	<11	<11	32.75	901.65	1035.97
3/31/13	<11	<11	<11	122.87	<11	<11	36.23	903.42	1067.52
4/30/13	<11	<11	<11	133	<11	<11	37.03	905.9	1080.93
5/31/13	<11	<11	<11	136	<11	<11	40.42	912.93	1094.35
6/30/13	<11	<11	<11	135.77	<11	<11	37.6	919.57	1097.94
7/31/13	<11	<11	<11	135	<11	<11	36	923.78	1099.78
8/31/13	<11	<11	<11	133.81	<11	<11	37.58	926.06	1102.45
9/30/13	<11	<11	<11	132.37	<11	<11	40.03	929.1	1106.5
10/31/13	<11	<11	<11	132.29	<11	<11	45.13	929.29	1111.71
11/30/13	<11	<11	<11	132	<11	<11	49.17	928.03	1114.2
12/31/13	<11	<11	<11	132	<11	<11	49.52	929.45	1115.97
1/31/14	<11	<11	<11	130.87	<11	<11	49.19	931.49	1116.55
2/28/14	<11	<11	<11	135.14	<11	<11	49.04	930.18	1119.36
3/31/14	<11	<11	<11	156.58	<11	<11	48.68	930.48	1140.74
4/30/14	<11	<11	<11	167.67	<11	<11	49.73	926.94	1149.34
5/31/14	<11	<11	<11	167.9	<11	<11	49.29	926.1	1148.29
6/30/14	<11	<11	<11	177.67	<11	<11	49.73	928.63	1161.03
7/31/14	<11	<11	<11	182.39	<11	<11	49.42	927.32	1164.19
8/31/14	<11	<11	<11	184.71	<11	<11	49.45	922.87	1162.03
9/30/14	<11	<11	<11	193.77	<11	<11	49.7	922.1	1170.57
10/31/14	<11	<11	<11	197.06	<11	<11	49.61	920.77	1172.44
11/30/14	<11	<11	<11	205.37	<11	<11	49.43	920.04	1179.84
12/31/14	<11	<11	<11	206.26	<11	<11	50	921.93	1183.19
1/31/15	<11	<11	<11	203.29	<11	<11	49.52	924.19	1182
2/28/15	<11	<11	<11	201.54	<11	<11	49.14	923.68	1179.36
3/31/15	<11	<11	<11	199.16	<11	<11	46.03	923.38	1173.57
4/30/15	<11	<11	<11	204.77	<11	<11	43.37	920.97	1174.78
5/31/15	<11	<11	<11	216	<11	<11	37.23	921.93	1184.97
6/30/15	<11	<11	<11	221.7	<11	<11	41.53	923.03	1196.26
7/31/15	<11	<11	<11	234.26	<11	<11	49.52	923.87	1217.65
8/31/15	<11	<11	<11	264.06	<11	<11	48.97	923.71	1246.74
9/30/15	<11	<11	<11	270.03	<11	<11	47.9	922.4	1250.33
10/31/15	<11	<11	<11	272.1	<11	<11	48.52	921	1252.43
11/30/15	<11	<11	<11	272.83	<11	<11	47.23	921.57	1253.1
12/31/15	<11	<11	<11	273.32	11	<11	47.77	923.42	1256.51
1/31/16	<11	<11	<11	273.23	11	<11	48.55	926.9	1260.68
2/29/16	<11	<11	<11	275.1	11	<11	49.31	929.41	1265.82
3/31/16	<11	<11	<11	278	11	<11	48.06	931.77	1269.83
4/30/16	<11	<11	<11	275.7	11	<11	47.83	935.1	1270.63
5/31/16	<11	<11	<11	275.06	11	<11	47.16	936.36	1270.58

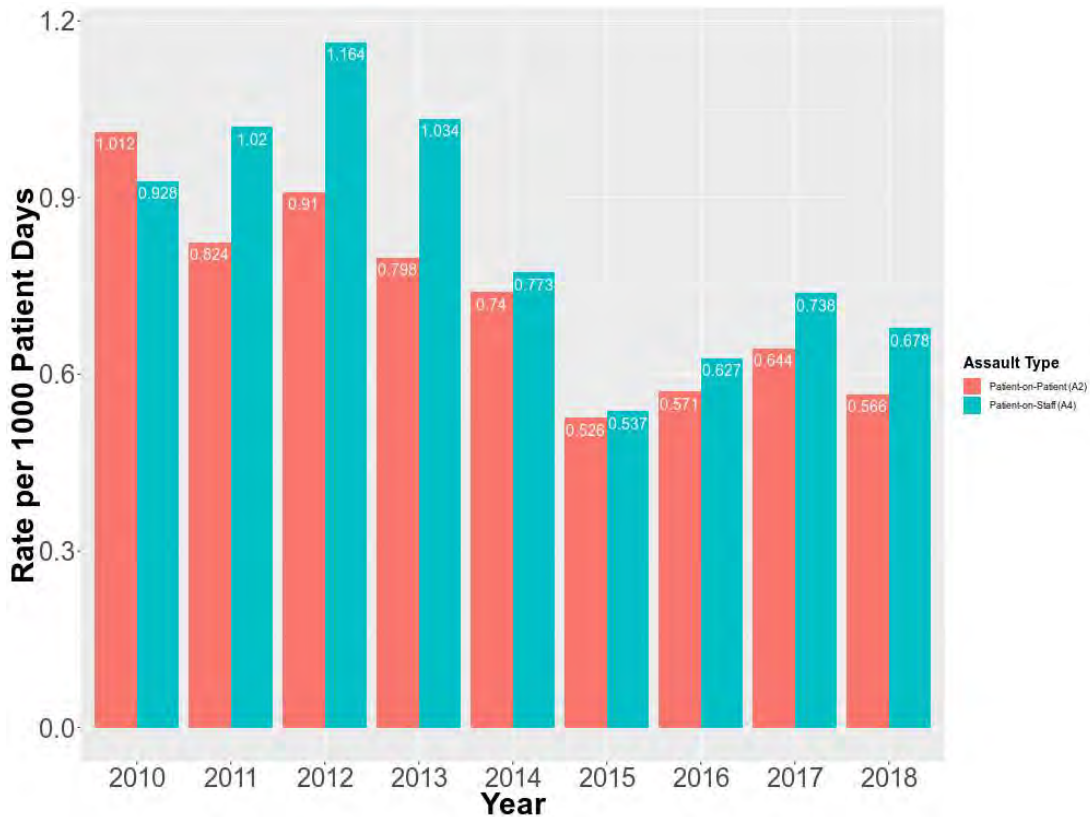
DATE	DJJ	IST	LPS	OMD	MDSO	NGRI	PC2684	SVP	TOTAL POP.
6/30/16	<11	<11	<11	277.1	11	<11	43.8	937.13	1270.03
7/31/16	<11	<11	<11	278.06	11.06	<11	39.35	940.09	1269.59
8/31/16	<11	<11	<11	278.55	11	<11	38.1	942.13	1271.49
9/30/16	<11	<11	<11	279	11	<11	37.17	942.47	1271.64
10/31/16	<11	<11	<11	279.65	11	<11	43.97	943.42	1280.27
11/30/16	<11	<11	<11	278.5	11	<11	47.87	943.07	1283.44
12/31/16	<11	<11	<11	276.65	11	<11	46.45	945	1282.1
1/31/17	<11	<11	<11	276	11	<11	47.65	946.26	1283.91
2/28/17	<11	<11	<11	275.21	<11	<11	48.79	945.53	1282.6
3/31/17	<11	<11	<11	271.74	<11	<11	49.29	943.93	1277.96
4/30/17	<11	<11	<11	274.67	<11	<11	44.87	946.4	1278.94
5/31/17	<11	<11	<11	278.52	<11	<11	45.42	948.33	1285.27
6/30/17	<11	<11	<11	281.9	<11	<11	44.03	946.77	1285.7
7/31/17	<11	<11	<11	280	<11	<11	48.23	948.9	1290.13
8/31/17	<11	<11	<11	278.87	<11	<11	49.06	949	1289.93
9/30/17	<11	<11	<11	278	<11	<11	47.73	947.44	1286.17
10/31/17	<11	<11	<11	277.61	<11	<11	47.81	946.78	1285.2
11/30/17	<11	<11	<11	276.43	<11	<11	47.9	945.23	1282.56
12/31/17	<11	<11	<11	282.16	<11	<11	48.55	946.48	1290.19
1/31/18	<11	<11	<11	295.58	<11	<11	48.65	945.61	1301.9
2/28/18	<11	<11	<11	303.93	<11	<11	49.14	946.53	1311.6
3/31/18	<11	<11	<11	306.16	<11	<11	47.74	944.9	1310.8
4/30/18	<11	<11	<11	307.4	<11	<11	47.93	946.64	1313.97
5/31/18	<11	<11	<11	309	<11	<11	48.68	951.84	1321.52
6/30/18	<11	<11	<11	309	<11	<11	48.6	951.4	1321
7/31/18	<11	<11	<11	307.61	<11	<11	47.61	953.71	1320.93
8/31/18	<11	<11	<11	307	<11	<11	48.71	956.2	1323.91
9/30/18	<11	<11	<11	315.4	<11	<11	47.83	956.24	1331.47
10/31/18	<11	<11	<11	324.84	<11	<11	49.16	954.42	1340.42
11/30/18	<11	<11	<11	329.47	<11	<11	48.3	954.73	1344.7
12/31/18	<11	<11	<11	345	11	<11	46.87	957.26	1363.13

As can be seen, there were no DJJ or IST patients at DSH-Coalinga during this time. Additionally, the numbers of LPS's, MDSO's and NGRI's were too few to allow conclusions to be drawn about violence trends, and so will not be presented.

Rates of Violence at DSH-Coalinga

Yearly Rates

Figure B.1
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Coalinga



- ▶ While percentages vary across different legal classes, overall, in 2018 the number of patient on patient assaults decreased 9.3% from the 2017 total (see Table B.2), while the number of patient on staff assaults decreased by 5.2% from 2017 (see Table B.3).
- ▶ Coupled with a population increase (measured in “total patient days”) in 2018 of 3.2%, the rate of patient on patient assault decreased 12.1% from 2017 (see Table B.2), while the rate of patient on staff assault decreased 8.1% from 2017 (see Table B.3).

The following tables provide a yearly summary of the year-over-year changes in the assault rates.

Table B.2
DSH-Coalinga Yearly A2 Patient on Patient Assault Summary

YEAR	A2 PATIENT ON PATIENT ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	352	347927	1.012	NA
2011	290	352043	0.824	-18.6
2012	344	378122	0.91	10.4
2013	317	397491	0.798	-12.3
2014	312	421876	0.74	-7.3
2015	233	443186	0.526	-28.9
2016	266	465622	0.571	8.6
2017	302	468994	0.644	12.8
2018	274	483820	0.566	-12.1

Table B.3
DSH-Coalinga Yearly A4 Patient on Staff Assault Summary

YEAR	A4 PATIENT ON STAFF ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	323	347927	0.928	NA
2011	359	352043	1.02	9.9
2012	440	378122	1.164	14.1
2013	411	397491	1.034	-11.2
2014	326	421876	0.773	-25.2
2015	238	443186	0.537	-30.5
2016	292	465622	0.627	16.8
2017	346	468994	0.738	17.7
2018	328	483820	0.678	-8.1

The following chart and table provide further information into the types of staff assaults (Physical Contact-Made and Physical Contact-Attempted), information that has routinely been collected on staff assaults since 2016.

Figure B.2
Yearly Rates of Staff Assault, Contact Made or Attempted, per 1000 Patient Days, at DSH-Coalinga

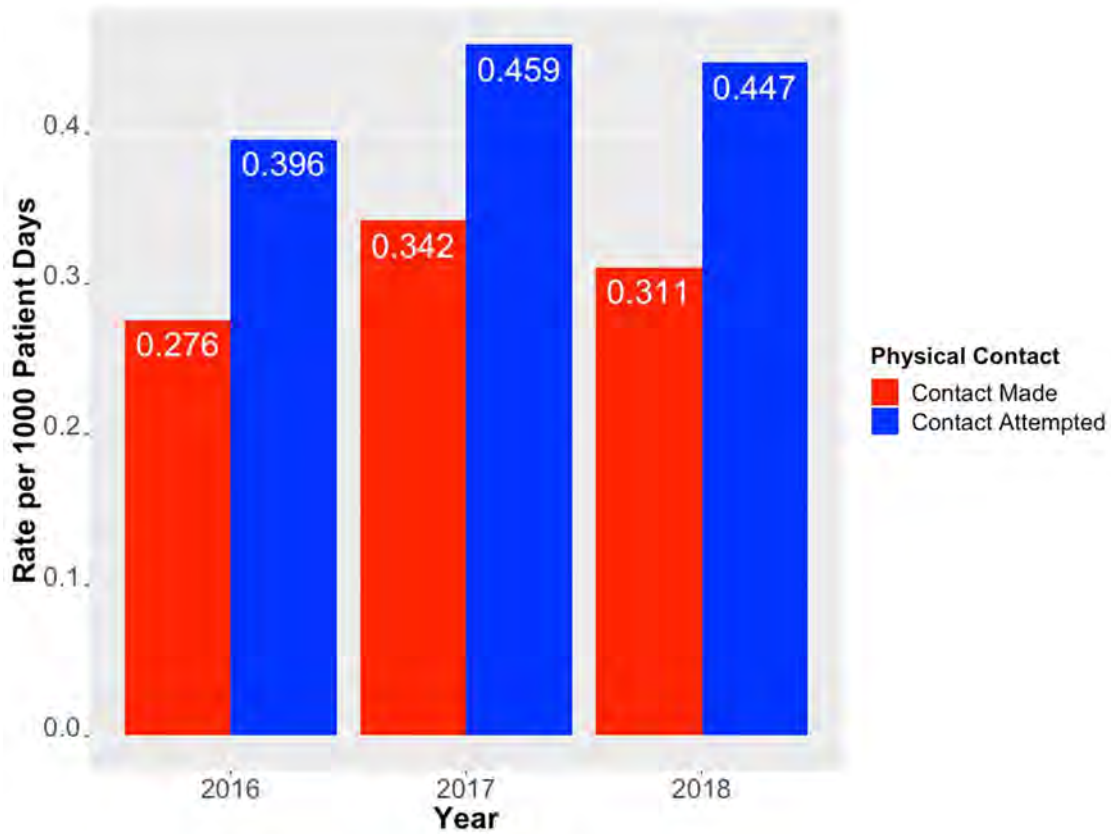


Table B.4
DSH – Coalinga Staff Assaults – Physical Contact Made and Contact Attempted

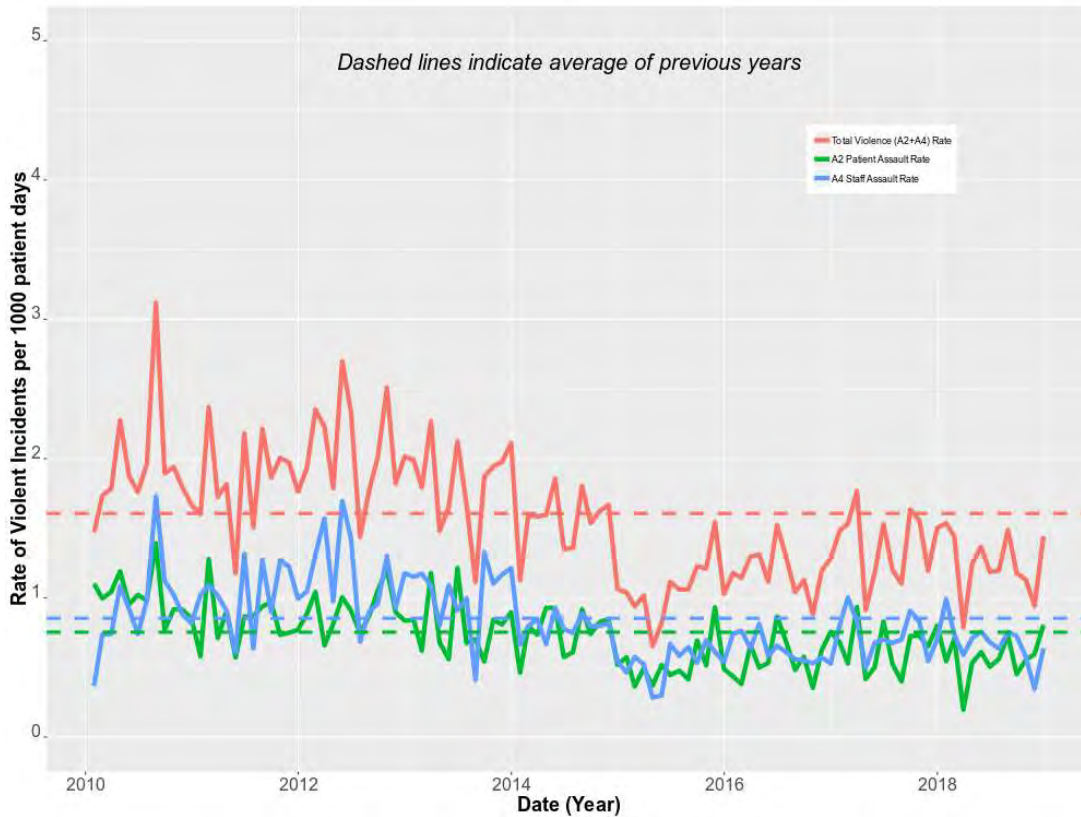
Year	Physical Contact	Count	Total Patient Days	Rate	% Change
2016	Contact Made	118	427041	0.276	NA
2016	Contact Attempted	169	427041	0.396	NA
2017	Contact Made	147	429536	0.342	23.9
2017	Contact Attempted	197	429536	0.459	15.9
2018	Contact Made	132	424745	0.311	-9.2
2018	Contact Attempted	190	424745	0.447	-2.5

As seen in the table and graph above, both categories of staff assaults decreased, with the largest decrease (9.2%) seen in the category of “Physical Contact Made.”

Monthly Rates

The previous barplot (Fig. B.1) showed the violence rates as an overall yearly average and did not show the monthly variability in the rates that occurs regularly. Two figures are shown below, the first being a plot of the violence rates on a monthly basis (Fig. B.3), and the second (Fig. B.4) showing the violence rates for each month averaged over the six months before and after each month, to create a “smoothed” plot (much like you would see in a financial article, where daily results are “smoothed” to better discern trends over time). See [Appendix H](#) for more details of this method.

Figure B.3
DSH-Coalinga Monthly Rates of Violence per 1000 Patient Days



Trend of Monthly Rates

Figure B.4
DSH-Coalinga Trends of Monthly Rates of Violence per 1000 Patient Days

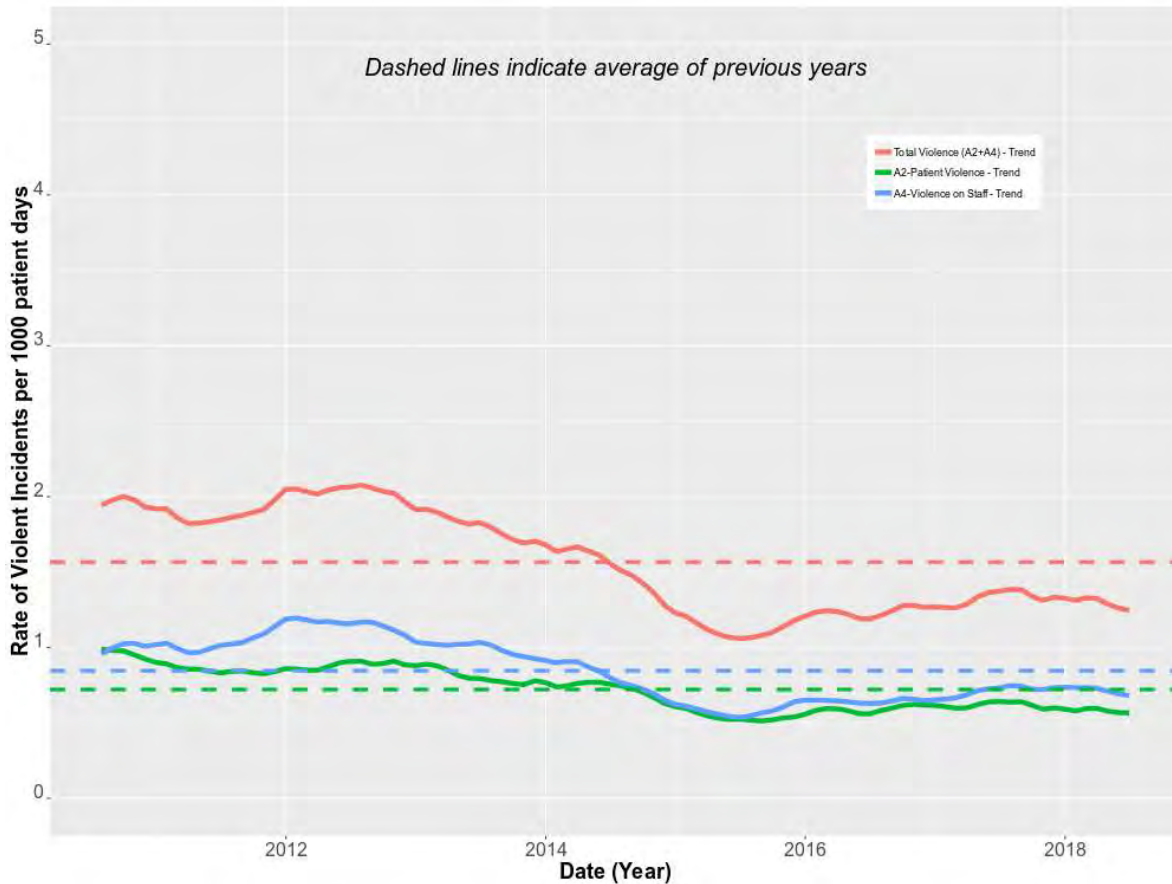


Figure B.4 shows the trend of the monthly violence rates (patient on patient assault, patient on staff assault, and total patient on patient and patient on staff assault) for DSH-Coalinga. The dashed lines indicate the previous years (2010-2017) average rate for each category, for comparison with 2018. Again, for more details on the methodology of trending the monthly rates data, please refer to [Appendix H](#).

Table B.5 provides a yearly summary of the year-over-year changes in the assault rates.

Table B.5
DSH-Coalinga Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	1.101	0.367	1.468
2/28/10	0.995	0.737	1.732
3/31/10	1.045	0.741	1.786
4/30/10	1.190	1.085	2.276
5/31/10	0.953	0.919	1.872
6/30/10	1.021	0.739	1.760
7/31/10	0.981	0.981	1.963
8/31/10	1.390	1.729	3.119
9/30/10	0.772	1.122	1.894
10/31/10	0.918	1.020	1.938
11/30/10	0.914	0.879	1.794
12/31/10	0.850	0.816	1.667
1/31/11	0.579	1.022	1.602
2/28/11	1.279	1.091	2.370
3/31/11	0.711	1.015	1.726
4/30/11	0.907	0.907	1.815
5/31/11	0.571	0.605	1.176
6/30/11	0.865	1.315	2.179
7/31/11	0.870	0.636	1.506
8/31/11	0.938	1.273	2.211
9/30/11	0.966	0.897	1.863
10/31/11	0.734	1.269	2.003
11/30/11	0.749	1.225	1.974
12/31/11	0.769	0.994	1.763
1/31/12	0.886	1.045	1.931
2/29/12	1.042	1.310	2.352
3/31/12	0.659	1.569	2.228
4/30/12	0.813	0.975	1.788
5/31/12	1.004	1.695	2.699
6/30/12	0.907	1.425	2.332
7/31/12	0.749	0.687	1.436
8/31/12	0.869	0.900	1.769
9/30/12	1.054	0.959	2.013
10/31/12	1.208	1.301	2.508
11/30/12	0.895	0.927	1.822
12/31/12	0.836	1.177	2.013
1/31/13	0.840	1.151	1.991
2/28/13	0.621	1.172	1.793
3/31/13	1.178	1.088	2.266

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
4/30/13	0.678	0.802	1.480
5/31/13	0.560	1.091	1.651
6/30/13	1.214	0.911	2.125
7/31/13	0.675	0.997	1.672
8/31/13	0.702	0.410	1.112
9/30/13	0.542	1.326	1.868
10/31/13	0.841	1.103	1.944
11/30/13	0.808	1.167	1.975
12/31/13	0.896	1.214	2.110
1/31/14	0.462	0.664	1.127
2/28/14	0.798	0.798	1.595
3/31/14	0.735	0.848	1.584
4/30/14	0.928	0.667	1.595
5/31/14	0.927	0.927	1.854
6/30/14	0.574	0.775	1.349
7/31/14	0.610	0.748	1.358
8/31/14	0.916	0.888	1.804
9/30/14	0.740	0.797	1.538
10/31/14	0.825	0.798	1.623
11/30/14	0.848	0.819	1.667
12/31/14	0.518	0.545	1.063
1/31/15	0.573	0.464	1.037
2/28/15	0.363	0.575	0.939
3/31/15	0.495	0.522	1.017
4/30/15	0.369	0.284	0.653
5/31/15	0.517	0.299	0.817
6/30/15	0.446	0.669	1.115
7/31/15	0.477	0.583	1.060
8/31/15	0.414	0.647	1.061
9/30/15	0.693	0.533	1.226
10/31/15	0.515	0.695	1.211
11/30/15	0.931	0.612	1.543
12/31/15	0.488	0.539	1.027
1/31/16	0.435	0.742	1.177
2/29/16	0.381	0.763	1.144
3/31/16	0.660	0.635	1.296
4/30/16	0.498	0.813	1.312
5/31/16	0.533	0.584	1.117
6/30/16	0.866	0.656	1.522
7/31/16	0.686	0.610	1.296
8/31/16	0.482	0.558	1.040

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
9/30/16	0.577	0.550	1.127
10/31/16	0.353	0.529	0.882
11/30/16	0.623	0.571	1.195
12/31/16	0.755	0.528	1.283
1/31/17	0.678	0.804	1.482
2/28/17	0.529	1.002	1.531
3/31/17	0.934	0.833	1.767
4/30/17	0.417	0.495	0.912
5/31/17	0.502	0.678	1.180
6/30/17	0.830	0.700	1.530
7/31/17	0.525	0.675	1.200
8/31/17	0.400	0.700	1.100
9/30/17	0.726	0.907	1.633
10/31/17	0.728	0.828	1.556
11/30/17	0.650	0.546	1.196
12/31/17	0.800	0.700	1.500
1/31/18	0.545	0.991	1.536
2/28/18	0.708	0.735	1.443
3/31/18	0.197	0.591	0.787
4/30/18	0.533	0.710	1.243
5/31/18	0.610	0.757	1.367
6/30/18	0.505	0.681	1.186
7/31/18	0.562	0.635	1.197
8/31/18	0.731	0.755	1.486
9/30/18	0.451	0.726	1.177
10/31/18	0.554	0.578	1.131
11/30/18	0.595	0.347	0.942
12/31/18	0.805	0.639	1.444

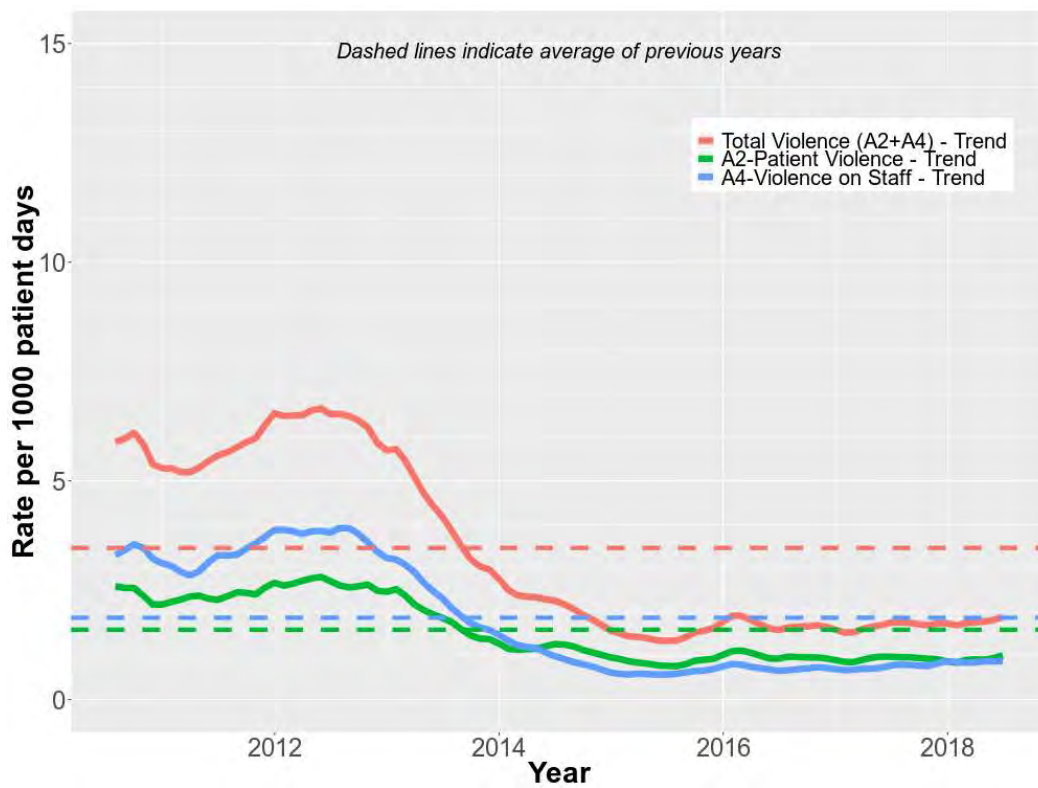
Violence Rates by Major Legal Classes

DSH-Coalinga OMD's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure B.5
Trends of Monthly Rates of Violence for OMD's at DSH-Coalinga



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure B.6
Monthly Rates of Violence for OMD's at DSH-Coalinga

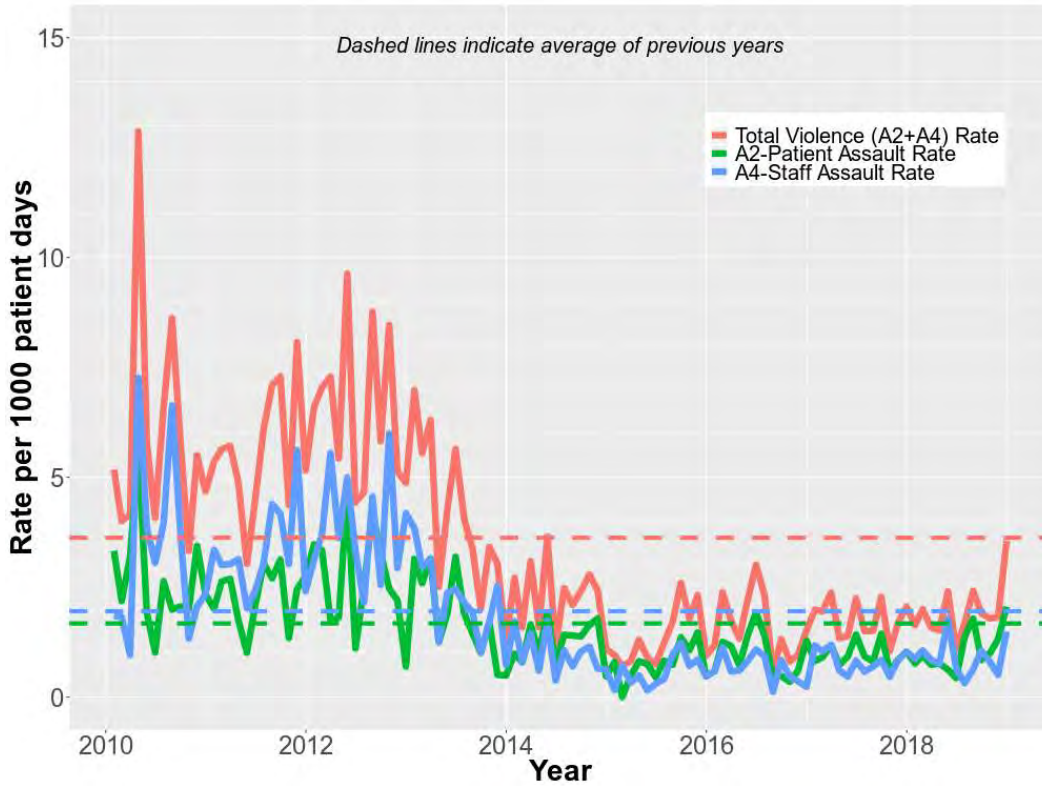


Table B.6
DSH-Coalinga OMD Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	3.327	1.848	5.176
2/28/10	2.185	1.821	4.006
3/31/10	3.194	0.958	4.152
4/30/10	5.611	7.261	12.871
5/31/10	1.922	3.844	5.766
6/30/10	1.017	3.051	4.068
7/31/10	2.633	3.950	6.583
8/31/10	1.989	6.631	8.621
9/30/10	2.062	3.780	5.842
10/31/10	1.995	1.330	3.326
11/30/10	3.436	2.062	5.498
12/31/10	2.336	2.336	4.673
1/31/11	2.009	3.349	5.358
2/28/11	2.631	3.006	5.637
3/31/11	2.688	3.024	5.712
4/30/11	1.742	3.135	4.876
5/31/11	1.009	2.019	3.028
6/30/11	2.070	2.415	4.486
7/31/11	3.050	3.050	6.100
8/31/11	2.704	4.393	7.097
9/30/11	3.125	4.167	7.292
10/31/11	1.344	3.024	4.368
11/30/11	2.457	5.616	8.073
12/31/11	2.750	2.406	5.156
1/31/12	3.475	3.127	6.602
2/29/12	3.337	3.708	7.045
3/31/12	1.734	5.550	7.284
4/30/12	1.809	3.618	5.427
5/31/12	4.638	4.995	9.633
6/30/12	1.107	3.322	4.430
7/31/12	2.509	2.151	4.659
8/31/12	4.208	4.558	8.766
9/30/12	3.274	2.546	5.820
10/31/12	2.467	5.992	8.460
11/30/12	2.200	2.934	5.134
12/31/12	0.696	4.178	4.875
1/31/13	3.142	3.841	6.983
2/28/13	2.589	2.959	5.547

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
3/31/13	3.150	3.150	6.301
4/30/13	1.253	1.253	2.506
5/31/13	1.898	2.372	4.269
6/30/13	3.192	2.455	5.647
7/31/13	1.912	2.151	4.062
8/31/13	1.446	1.929	3.375
9/30/13	1.007	1.007	2.015
10/31/13	1.707	1.707	3.414
11/30/13	0.505	2.525	3.030
12/31/13	0.489	0.733	1.222
1/31/14	0.986	1.725	2.711
2/28/14	0.793	0.793	1.586
3/31/14	1.648	1.442	3.090
4/30/14	0.994	0.596	1.590
5/31/14	1.921	1.729	3.650
6/30/14	0.750	0.375	1.126
7/31/14	1.415	1.061	2.476
8/31/14	1.397	0.699	2.096
9/30/14	1.376	1.032	2.408
10/31/14	1.637	1.146	2.783
11/30/14	1.785	0.649	2.435
12/31/14	0.469	0.626	1.095
1/31/15	0.793	0.159	0.952
2/28/15	0.000	0.709	0.709
3/31/15	0.486	0.324	0.810
4/30/15	0.814	0.488	1.302
5/31/15	0.747	0.149	0.896
6/30/15	0.451	0.301	0.752
7/31/15	0.826	0.413	1.239
8/31/15	0.733	0.977	1.710
9/30/15	1.358	1.234	2.592
10/31/15	1.067	0.711	1.778
11/30/15	1.466	0.855	2.321
12/31/15	0.472	0.472	0.944
1/31/16	0.590	0.590	1.181
2/29/16	1.253	1.128	2.382
3/31/16	1.160	0.580	1.741
4/30/16	0.725	0.605	1.330
5/31/16	1.407	0.821	2.228
6/30/16	1.925	1.083	3.007
7/31/16	1.392	0.928	2.320
8/31/16	0.463	0.116	0.579

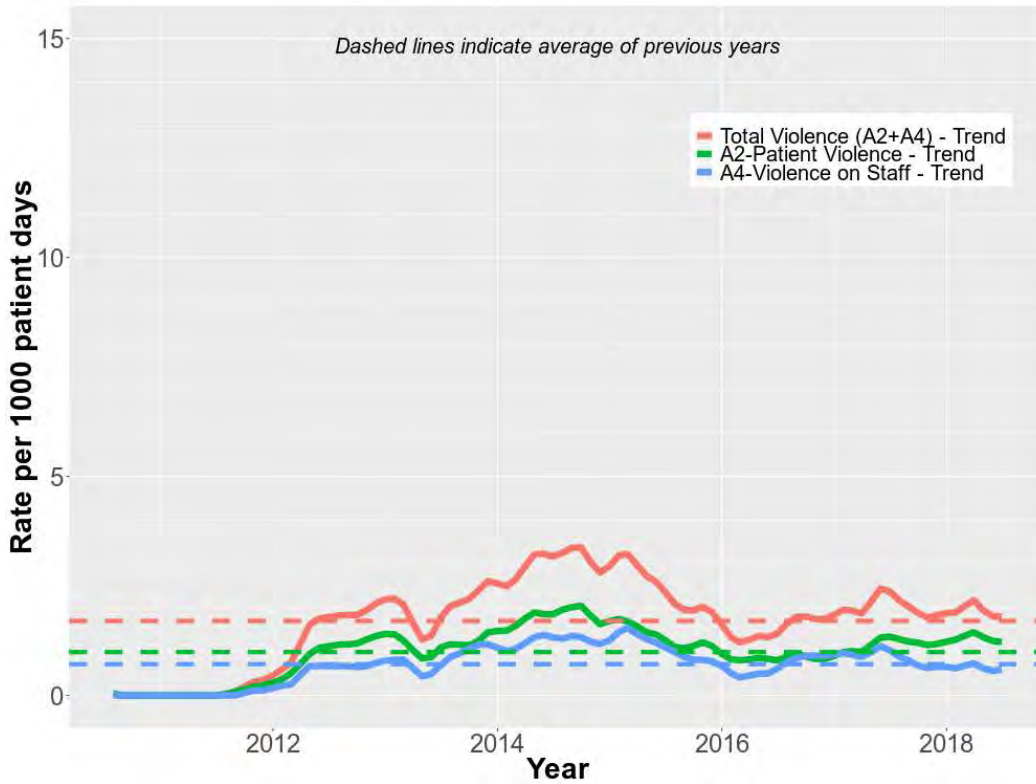
DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
9/30/16	0.478	0.836	1.314
10/31/16	0.346	0.461	0.807
11/30/16	0.598	0.359	0.958
12/31/16	1.283	0.233	1.516
1/31/17	0.818	1.169	1.987
2/28/17	0.908	1.038	1.947
3/31/17	1.187	1.187	2.374
4/30/17	0.728	0.607	1.335
5/31/17	0.927	0.463	1.390
6/30/17	1.419	0.828	2.247
7/31/17	0.922	0.576	1.498
8/31/17	0.810	0.694	1.504
9/30/17	1.439	0.839	2.278
10/31/17	0.581	0.465	1.046
11/30/17	0.844	0.844	1.688
12/31/17	1.029	1.029	2.058
1/31/18	0.764	0.873	1.637
2/28/18	0.940	1.058	1.998
3/31/18	0.738	0.843	1.580
4/30/18	0.759	0.759	1.518
5/31/18	0.626	1.775	2.401
6/30/18	0.431	0.647	1.079
7/31/18	1.363	0.315	1.678
8/31/18	1.786	0.630	2.417
9/30/18	0.845	1.057	1.902
10/31/18	0.993	0.794	1.787
11/30/18	1.315	0.506	1.821
12/31/18	2.057	1.496	3.553

DSH-Coalinga PC2684's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure B.7
Trends of Monthly Rates of Violence for PC2684's at DSH-Coalinga



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure B.8
Monthly Rates of Violence for PC2684's at DSH-Coalinga

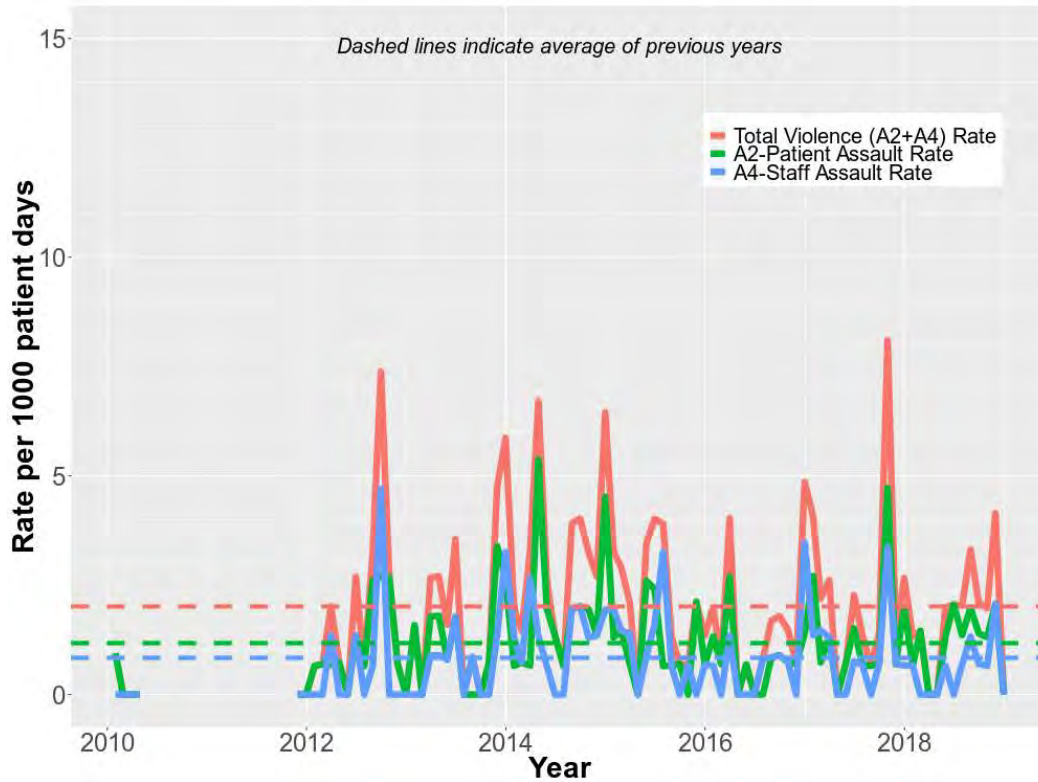


Table B.7
DSH-Coalinga PC2684 Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	0.943	0.000	0.943
2/28/10	0.000	0.000	0.000
3/31/10	0.000	0.000	0.000
4/30/10	0.000	0.000	0.000
5/31/10	NA	NA	NA
6/30/10	NA	NA	NA
7/31/10	NA	NA	NA
8/31/10	NA	NA	NA
9/30/10	NA	NA	NA
10/31/10	NA	NA	NA
11/30/10	NA	NA	NA
12/31/10	NA	NA	NA
1/31/11	NA	NA	NA
2/28/11	NA	NA	NA
3/31/11	NA	NA	NA
4/30/11	NA	NA	NA
5/31/11	NA	NA	NA
6/30/11	NA	NA	NA
7/31/11	NA	NA	NA
8/31/11	NA	NA	NA
9/30/11	NA	NA	NA
10/31/11	NA	NA	NA
11/30/11	0.000	0.000	0.000
12/31/11	0.000	0.000	0.000
1/31/12	0.653	0.000	0.653
2/29/12	0.696	0.000	0.696
3/31/12	0.672	1.343	2.015
4/30/12	0.730	0.000	0.730
5/31/12	0.000	0.000	0.000
6/30/12	1.345	1.345	2.690
7/31/12	0.655	0.000	0.655
8/31/12	2.601	0.650	3.251
9/30/12	2.685	4.698	7.383
10/31/12	2.670	0.000	2.670
11/30/12	0.703	0.000	0.703
12/31/12	0.000	0.000	0.000
1/31/13	1.581	0.000	1.581
2/28/13	0.000	0.000	0.000

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
3/31/13	1.781	0.890	2.671
4/30/13	1.800	0.900	2.700
5/31/13	0.798	0.798	1.596
6/30/13	1.773	1.773	3.546
7/31/13	0.000	0.000	0.000
8/31/13	0.000	0.858	0.858
9/30/13	0.000	0.000	0.000
10/31/13	0.715	0.000	0.715
11/30/13	3.390	1.356	4.746
12/31/13	2.606	3.257	5.863
1/31/14	0.656	1.311	1.967
2/28/14	0.728	0.728	1.457
3/31/14	0.663	2.651	3.313
4/30/14	5.362	1.340	6.702
5/31/14	1.963	0.654	2.618
6/30/14	1.340	0.000	1.340
7/31/14	0.653	0.000	0.653
8/31/14	1.957	1.957	3.914
9/30/14	2.012	2.012	4.024
10/31/14	1.951	1.300	3.251
11/30/14	1.349	1.349	2.697
12/31/14	4.516	1.935	6.452
1/31/15	1.303	1.954	3.257
2/28/15	1.453	1.453	2.907
3/31/15	0.701	1.402	2.102
4/30/15	0.000	0.000	0.000
5/31/15	2.600	0.867	3.466
6/30/15	2.408	1.605	4.013
7/31/15	0.651	3.257	3.909
8/31/15	0.659	0.659	1.318
9/30/15	0.696	0.000	0.696
10/31/15	0.000	0.665	0.665
11/30/15	2.117	0.000	2.117
12/31/15	0.675	0.675	1.350
1/31/16	1.329	0.664	1.993
2/29/16	0.699	0.000	0.699
3/31/16	2.685	1.342	4.027
4/30/16	0.000	0.000	0.000
5/31/16	0.684	0.000	0.684
6/30/16	0.000	0.000	0.000
7/31/16	0.000	0.820	0.820

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
8/31/16	0.847	0.847	1.693
9/30/16	0.897	0.897	1.794
10/31/16	0.734	0.734	1.467
11/30/16	0.696	0.000	0.696
12/31/16	1.389	3.472	4.861
1/31/17	2.708	1.354	4.062
2/28/17	0.732	1.464	2.196
3/31/17	1.309	1.309	2.618
4/30/17	0.000	0.000	0.000
5/31/17	0.710	0.000	0.710
6/30/17	1.514	0.757	2.271
7/31/17	0.669	0.669	1.338
8/31/17	0.657	0.000	0.657
9/30/17	0.698	0.698	1.397
10/31/17	4.723	3.374	8.097
11/30/17	0.696	0.696	1.392
12/31/17	1.993	0.664	2.658
1/31/18	0.663	0.663	1.326
2/28/18	1.453	0.000	1.453
3/31/18	0.000	0.000	0.000
4/30/18	0.000	0.000	0.000
5/31/18	1.325	0.663	1.988
6/30/18	2.058	0.000	2.058
7/31/18	1.355	0.678	2.033
8/31/18	1.987	1.325	3.311
9/30/18	1.394	0.697	2.091
10/31/18	1.312	0.656	1.969
11/30/18	2.070	2.070	4.141
12/31/18	0.000	0.000	0.000

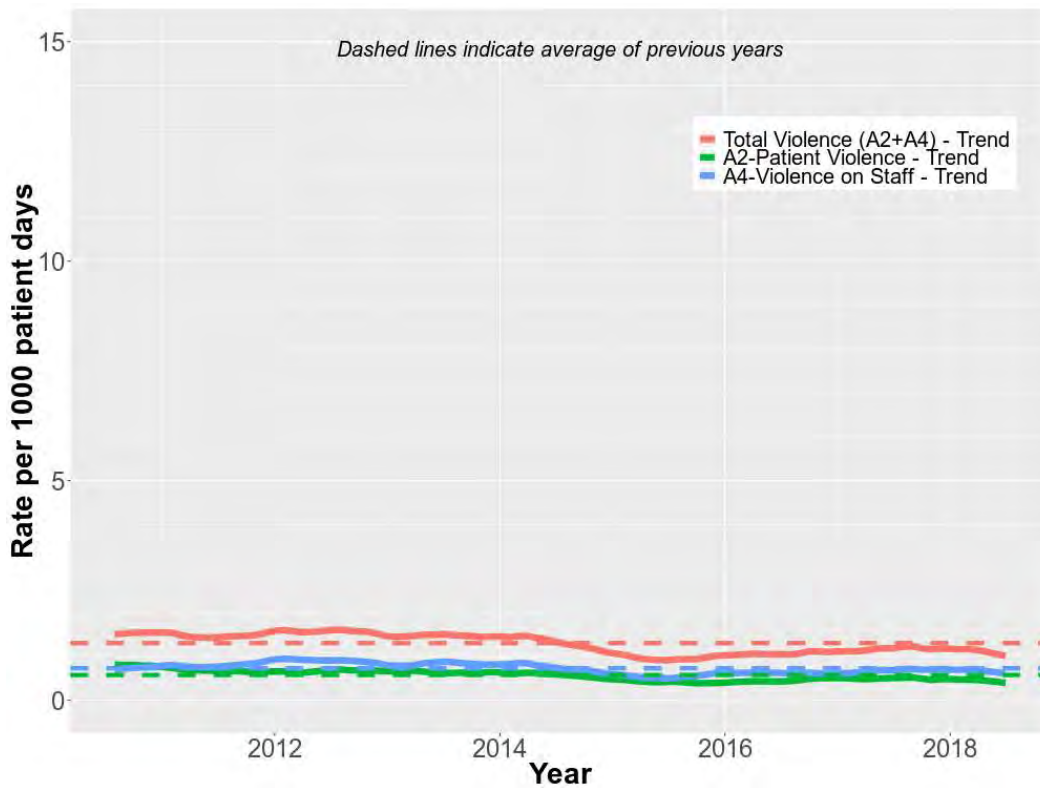
Note: entries marked "NA" indicate months in which no PC2684's were resident at DSH-Coalinga, and thus could not have any violence. This is to distinguish the months where PC2684's were resident and there was no violence, which are true 0.000 rates.

DSH-Coalinga SVP's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure B.9
Trends of Monthly Rates of Violence for SVP's at DSH-Coalinga



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure B.10
Monthly Rates of Violence for SVP's at DSH-Coalinga

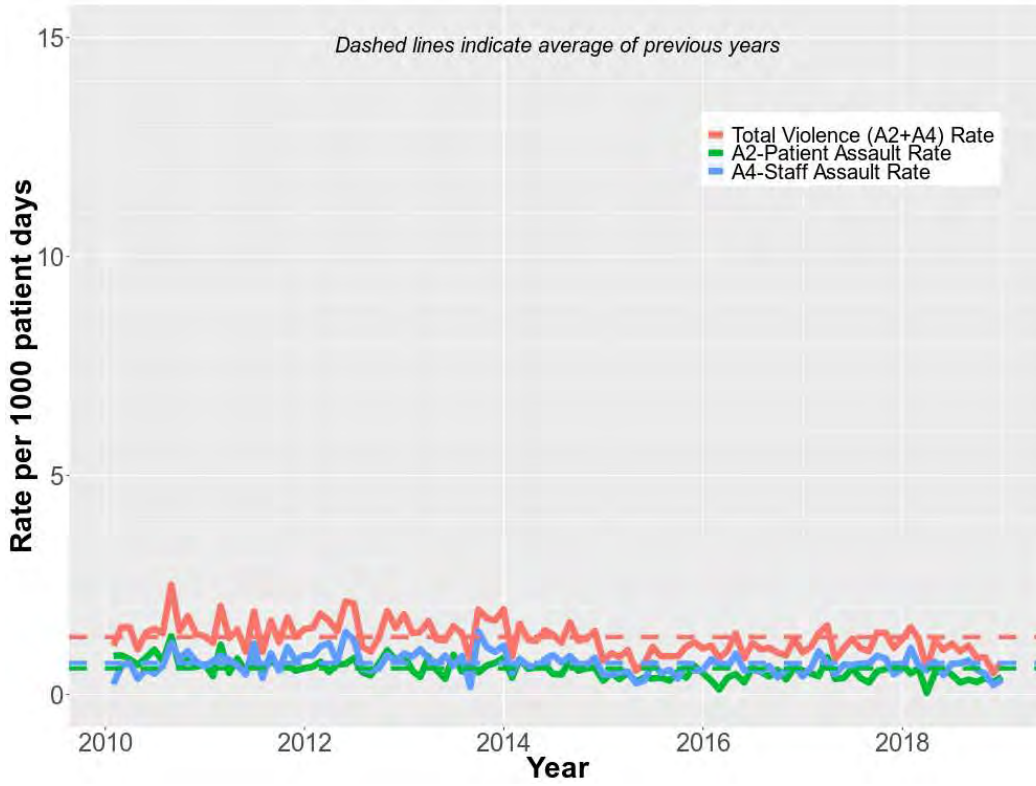


Table B.8
DSH-Coalinga SVP Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	0.879	0.229	1.109
2/28/10	0.892	0.637	1.529
3/31/10	0.805	0.728	1.533
4/30/10	0.671	0.355	1.027
5/31/10	0.840	0.573	1.413
6/30/10	1.023	0.472	1.496
7/31/10	0.756	0.643	1.399
8/31/10	1.325	1.174	2.499
9/30/10	0.626	0.822	1.449
10/31/10	0.797	0.987	1.784
11/30/10	0.628	0.746	1.375
12/31/10	0.683	0.645	1.329
1/31/11	0.419	0.761	1.180
2/28/11	1.133	0.881	2.013
3/31/11	0.491	0.793	1.284
4/30/11	0.817	0.662	1.479
5/31/11	0.525	0.450	0.975
6/30/11	0.734	1.159	1.893
7/31/11	0.597	0.373	0.970
8/31/11	0.747	0.934	1.681
9/30/11	0.655	0.539	1.194
10/31/11	0.671	1.081	1.752
11/30/11	0.540	0.771	1.311
12/31/11	0.595	0.893	1.488
1/31/12	0.629	0.888	1.517
2/29/12	0.746	1.099	1.844
3/31/12	0.512	1.170	1.682
4/30/12	0.680	0.755	1.435
5/31/12	0.694	1.425	2.119
6/30/12	0.829	1.244	2.073
7/31/12	0.508	0.581	1.089
8/31/12	0.434	0.542	0.976
9/30/12	0.706	0.595	1.301
10/31/12	1.007	0.899	1.906
11/30/12	0.778	0.741	1.520
12/31/12	0.897	0.933	1.830
1/31/13	0.538	0.861	1.399
2/28/13	0.396	1.030	1.426

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
3/31/13	0.857	0.821	1.678
4/30/13	0.552	0.699	1.251
5/31/13	0.353	0.883	1.237
6/30/13	0.906	0.652	1.559
7/31/13	0.524	0.873	1.397
8/31/13	0.627	0.174	0.801
9/30/13	0.502	1.435	1.937
10/31/13	0.660	1.076	1.736
11/30/13	0.718	0.970	1.688
12/31/13	0.833	1.111	1.944
1/31/14	0.381	0.485	0.866
2/28/14	0.806	0.806	1.613
3/31/14	0.589	0.659	1.248
4/30/14	0.611	0.611	1.223
5/31/14	0.662	0.801	1.463
6/30/14	0.467	0.897	1.364
7/31/14	0.452	0.731	1.183
8/31/14	0.769	0.874	1.643
9/30/14	0.542	0.687	1.229
10/31/14	0.596	0.666	1.261
11/30/14	0.616	0.833	1.449
12/31/14	0.315	0.455	0.770
1/31/15	0.489	0.454	0.942
2/28/15	0.348	0.503	0.851
3/31/15	0.489	0.524	1.013
4/30/15	0.290	0.253	0.543
5/31/15	0.385	0.315	0.700
6/30/15	0.361	0.722	1.083
7/31/15	0.384	0.489	0.873
8/31/15	0.314	0.559	0.873
9/30/15	0.506	0.361	0.867
10/31/15	0.385	0.701	1.086
11/30/15	0.651	0.543	1.194
12/31/15	0.489	0.559	1.048
1/31/16	0.313	0.800	1.114
2/29/16	0.111	0.705	0.816
3/31/16	0.381	0.623	1.004
4/30/16	0.463	0.927	1.390
5/31/16	0.276	0.551	0.827
6/30/16	0.605	0.569	1.174
7/31/16	0.515	0.515	1.029
8/31/16	0.411	0.651	1.061

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
9/30/16	0.566	0.389	0.955
10/31/16	0.342	0.547	0.889
11/30/16	0.601	0.672	1.272
12/31/16	0.546	0.410	0.956
1/31/17	0.477	0.614	1.091
2/28/17	0.415	0.982	1.398
3/31/17	0.854	0.718	1.572
4/30/17	0.352	0.458	0.810
5/31/17	0.374	0.680	1.054
6/30/17	0.599	0.669	1.267
7/31/17	0.374	0.680	1.054
8/31/17	0.272	0.714	0.986
9/30/17	0.528	0.880	1.407
10/31/17	0.579	0.818	1.397
11/30/17	0.599	0.458	1.058
12/31/17	0.682	0.579	1.261
1/31/18	0.478	1.058	1.535
2/28/18	0.604	0.679	1.283
3/31/18	0.034	0.546	0.580
4/30/18	0.493	0.739	1.232
5/31/18	0.576	0.441	1.017
6/30/18	0.455	0.701	1.156
7/31/18	0.271	0.710	0.981
8/31/18	0.337	0.776	1.113
9/30/18	0.279	0.558	0.837
10/31/18	0.372	0.473	0.845
11/30/18	0.279	0.209	0.489
12/31/18	0.404	0.337	0.741

Appendix C: DSH-Metropolitan

This section reviews and then further extends information presented earlier in this report.

In the first section, the overall hospital population, given as Average Daily Census (ADC) is given for each month during 2010-2018, broken down by legal class.

In the second section, the yearly rates of violence presented earlier are reviewed, and then in the following sections, the monthly rates of violence and trend of violence is given.

In the remaining sections, the rates of violence by each individual legal class in the hospital is given, for the major groups at each hospital (i.e., IST's, NGRI's, OMD's, LPS, and SVP's).

When a given legal class numbers less than 20 at a hospital (typically DJJ or MDSO's), the overall data is not presented, as the numbers are too small to draw conclusions about that legal class (i.e., acts of violence are more related to an individual patient or just a few patients than to the legal class as a whole).

Table C.I
DSH-Metropolitan Monthly ADC, By Legal Commitment

DATE	DJJ	IST	LPS	OMD	MDSO	NGRI	PC2684	SVP	TOTAL POP.
1/31/10	13.77	276.51	217.93	38	<11	125.03	<11	<11	671.24
2/28/10	14.68	273.72	216.75	38	<11	125.46	<11	<11	668.61
3/31/10	14.61	276.29	222.51	38.42	<11	123.03	<11	<11	674.86
4/30/10	16.2	275.2	221.67	39	<11	121.94	<11	<11	674.01
5/31/10	14.65	273.84	207.65	39	<11	122.77	<11	<11	657.91
6/30/10	11.33	268.67	198.86	38.53	<11	122.03	<11	<11	639.42
7/31/10	14.32	269.52	195.62	38.87	<11	123.52	<11	<11	641.85
8/31/10	<11	268.13	196.16	38.29	<11	123.94	<11	<11	637.52
9/30/10	<11	261.03	198.33	37.53	<11	124.3	<11	<11	628.86
10/31/10	<11	256.16	195.94	34.58	<11	122.35	<11	<11	617.61
11/30/10	<11	268.03	192.13	32.33	<11	121.6	<11	<11	623.19
12/31/10	<11	267.97	185.94	32	<11	121.81	<11	<11	617.72
1/31/11	<11	267.2	184.91	32.32	<11	120.22	<11	<11	613.04
2/28/11	<11	259.71	186.85	33.54	<11	120.75	<11	<11	609.81
3/31/11	<11	255.03	197.22	34	<11	122	<11	<11	616.25
4/30/11	<11	251.9	204.57	34	<11	121.7	<11	<11	619.7
5/31/11	<11	239	206.87	33.71	<11	120.55	<11	<11	608.32
6/30/11	<11	247.43	208.04	35.33	<11	116.17	<11	<11	615.64
7/31/11	<11	246.48	208.58	38	<11	112.42	<11	<11	612.48
8/31/11	<11	250.29	206.93	38.65	<11	113.32	<11	<11	616.13
9/30/11	<11	262.37	209.37	40.97	<11	116.97	<11	<11	633.55
10/31/11	<11	264.97	209.04	40	<11	118.1	<11	<11	632.11
11/30/11	<11	266.73	208.33	38.33	<11	116.8	<11	<11	630.19
12/31/11	<11	273.54	207.94	38	<11	114.3	<11	<11	633.78
1/31/12	<11	278.9	209.61	39.23	<11	111.71	<11	<11	639.45
2/29/12	<11	278.21	206.41	40.03	<11	111.55	<11	<11	636.2
3/31/12	<11	279.35	204.26	40.29	<11	111.87	<11	<11	635.77
4/30/12	<11	272.33	206.87	40.63	<11	110.37	<11	<11	630.2
5/31/12	<11	277.65	207.94	39.45	<11	108.68	<11	<11	633.72
6/30/12	<11	275.57	213.33	40.43	<11	109.37	<11	<11	638.7
7/31/12	<11	272	220.42	41.68	<11	113.45	<11	<11	647.55
8/31/12	<11	271.61	223.31	42	<11	114.13	<11	<11	651.05
9/30/12	<11	268.67	220.63	42	<11	110.83	<11	<11	642.13
10/31/12	<11	276.55	222.25	42	<11	106.94	<11	<11	647.74
11/30/12	<11	285.66	218	42	<11	103.53	<11	<11	649.19
12/31/12	<11	288.16	218.62	42	<11	101.81	<11	<11	650.59
1/31/13	<11	291.29	220.48	41.32	<11	101.68	<11	<11	654.77

DATE	DJJ	IST	LPS	OMD	MDSO	NGRI	PC2684	SVP	TOTAL POP.
2/28/13	<11	282.68	218.18	41.57	<11	104.4	<11	<11	646.83
3/31/13	<11	282.77	214.56	41.68	<11	106.83	<11	<11	645.84
4/30/13	<11	283.6	207.36	41.4	<11	108.34	<11	<11	640.7
5/31/13	<11	287.64	198.97	41.48	<11	110.23	<11	<11	638.32
6/30/13	<11	285.2	202.34	41	<11	108.17	<11	<11	636.71
7/31/13	<11	287.61	210.94	40.74	<11	106.71	<11	<11	646
8/31/13	<11	302.45	218.16	39.9	<11	104.45	<11	<11	664.96
9/30/13	<11	300.63	217.8	39.3	<11	103.03	<11	<11	660.76
10/31/13	<11	296.87	228.78	38.84	<11	102.87	<11	<11	667.36
11/30/13	<11	305.8	232.8	39	<11	102.17	<11	<11	679.77
12/31/13	<11	307.77	224.61	39	<11	102.3	<11	<11	673.68
1/31/14	<11	305.23	236.07	38.16	<11	101.87	<11	<11	681.33
2/28/14	<11	314.68	245.36	38	<11	101.68	<11	<11	699.72
3/31/14	<11	302.55	251.74	38	<11	103.29	<11	<11	695.58
4/30/14	<11	284.5	256.3	38	<11	104	<11	<11	682.8
5/31/14	<11	281.62	261.36	38.61	<11	103.77	<11	<11	685.36
6/30/14	<11	287.73	264.67	38.87	<11	104.47	<11	<11	695.74
7/31/14	<11	307.1	268.61	38.65	<11	105.1	<11	<11	719.46
8/31/14	<11	309.16	275.26	37.19	<11	106.68	<11	<11	728.29
9/30/14	<11	298.54	281.53	37.6	<11	108.47	<11	<11	726.14
10/31/14	<11	295.73	280.8	38	<11	109.68	<11	<11	724.21
11/30/14	<11	292.47	285	39.34	<11	110.37	<11	<11	727.18
12/31/14	<11	290.52	282.13	40	<11	111.23	<11	<11	723.88
1/31/15	<11	293.87	283.68	40	<11	108.81	<11	<11	726.36
2/28/15	<11	299.53	283.04	41.5	<11	106.86	<11	<11	731.29
3/31/15	<11	296.26	282.52	42	<11	106.51	<11	<11	729.19
4/30/15	<11	294.86	283.73	40.57	<11	106.53	<11	<11	727.69
5/31/15	<11	291.16	282.2	40	<11	103.52	<11	<11	718.88
6/30/15	<11	294.06	284.86	40.27	<11	102.83	<11	<11	724.02
7/31/15	<11	295.36	278.39	40	<11	104.68	<11	<11	720.43
8/31/15	<11	302.1	280.59	40	<11	103.45	<11	<11	727.91
9/30/15	<11	295.59	295.94	39.43	<11	104.2	<11	<11	736.16
10/31/15	<11	296.49	297.74	39	<11	108	<11	<11	742.23
11/30/15	<11	295.1	306.49	39.93	<11	109.8	<11	<11	752.32
12/31/15	<11	279.35	309.71	40	<11	110.23	<11	<11	740.29
1/31/16	<11	276.51	312.46	39	<11	110.65	<11	<11	739.62
2/29/16	<11	281.8	314.77	39	<11	114	<11	<11	750.57
3/31/16	<11	274.59	310.02	37.32	<11	116	<11	<11	738.93
4/30/16	<11	276.07	305.63	36.47	<11	115.1	<11	<11	734.27
5/31/16	<11	294.71	312.09	35.1	<11	111.12	<11	<11	753.37

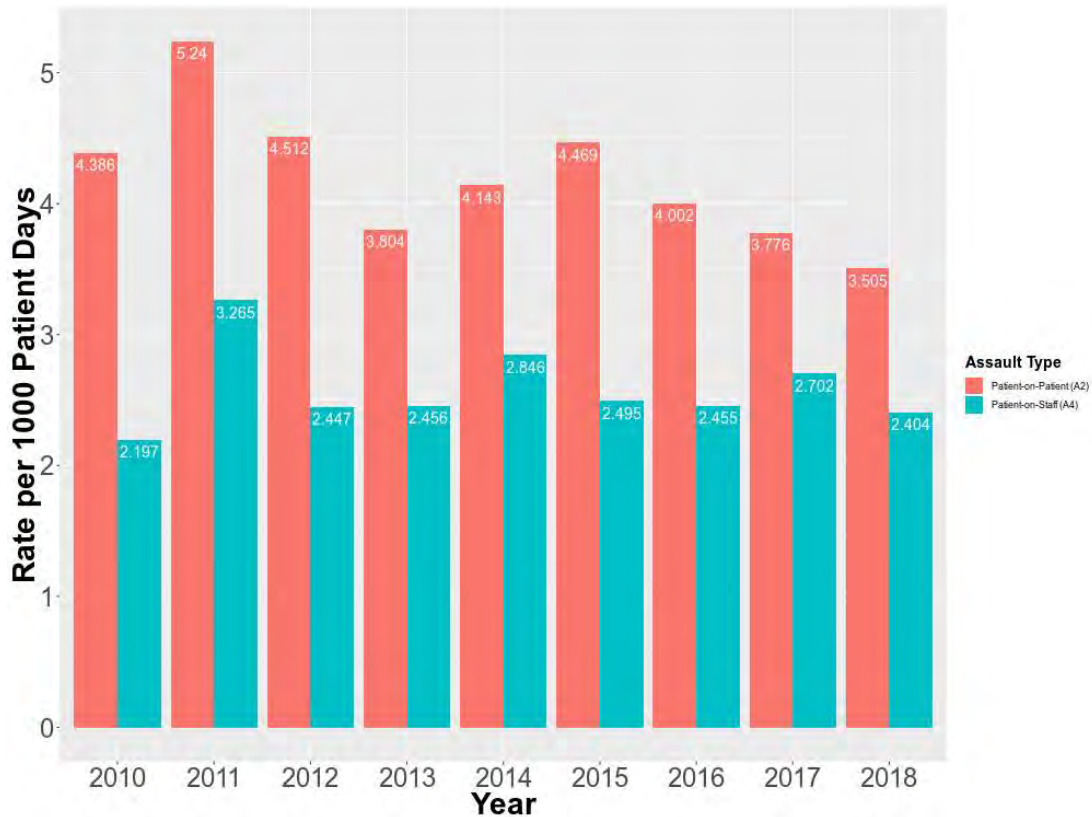
DATE	DJJ	IST	LPS	OMD	MDSO	NGRI	PC2684	SVP	TOTAL POP.
6/30/16	<11	295.43	318.47	34.3	<11	108.63	<11	<11	756.83
7/31/16	<11	288.81	318.49	36	<11	107.71	<11	<11	751.01
8/31/16	<11	287.45	316.1	36.52	<11	107.71	<11	<11	747.78
9/30/16	<11	288.5	310.4	37	<11	108.87	<11	<11	744.77
10/31/16	<11	283.87	308.17	37	<11	111.87	<11	<11	740.91
11/30/16	<11	287	324.86	37	<11	112.23	<11	<11	761.09
12/31/16	<11	285.13	335.01	36.65	<11	112.39	<11	<11	769.18
1/31/17	<11	281.87	344.36	36	<11	112.87	<11	<11	775.1
2/28/17	<11	276.68	352.5	36.14	<11	111.57	<11	<11	776.89
3/31/17	<11	291.39	351.36	35	<11	112.58	<11	<11	790.33
4/30/17	<11	302.2	350.63	35.67	<11	111.63	<11	<11	800.13
5/31/17	<11	297.16	349.65	36.91	<11	109.64	<11	<11	793.36
6/30/17	<11	302.11	344.87	35.83	<11	106.5	<11	<11	789.31
7/31/17	<11	307.71	354.71	34.65	<11	105.13	<11	<11	802.2
8/31/17	<11	310.42	354.54	34	<11	104.13	<11	<11	803.09
9/30/17	<11	304.46	355.87	32.7	<11	102.3	<11	<11	795.33
10/31/17	<11	300.87	361.22	32	<11	102.8	<11	<11	796.89
11/30/17	<11	310.37	366.39	32.13	<11	106.73	<11	<11	815.62
12/31/17	<11	304.61	365.52	32.71	<11	109.03	<11	<11	811.87
1/31/18	<11	302.93	371	31.97	<11	109.36	<11	<11	815.26
2/28/18	<11	294.64	373.35	31.97	<11	107.82	<11	<11	807.78
3/31/18	<11	299.42	373.16	31.84	<11	107.81	<11	<11	812.23
4/30/18	<11	307.57	368.74	33	<11	106.8	<11	<11	816.11
5/31/18	<11	303.23	366.77	32.32	<11	106.81	<11	<11	809.13
6/30/18	<11	307.63	367.54	32	<11	106.16	<11	<11	813.33
7/31/18	<11	308.91	364.71	32.45	<11	107.61	<11	<11	813.68
8/31/18	<11	308.32	361.36	33	<11	109.84	<11	<11	812.52
9/30/18	<11	301.8	360.57	33	<11	112.17	<11	<11	807.54
10/31/18	<11	294.51	359.19	31.22	<11	110.77	<11	<11	795.69
11/30/18	<11	306.37	358.43	30.1	<11	110.4	<11	<11	805.3
12/31/18	<11	303.33	359.19	28	<11	110.29	<11	<11	800.81

As can be seen, there were no DJJ, PC2684, or SVP patients at DSH-Metropolitan during this time. Additionally, the numbers of MDSO's were too few to allow conclusions to be drawn about violence trends, and so will not be presented.

Rates of Violence at DSH-Metropolitan

Yearly Rates

Figure C.1
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Metropolitan



- ▶▶ While percentages vary across different legal classes, overall, in 2018 the number of patient on patient assaults decreased 5.7% from the 2017 total (see Table C.2), while the number of patient on staff assaults decreased by 9.6% from 2017 (see Table C.3).
- ▶▶ Coupled with a population increase (measured in “total patient days”) in 2018 of 1.7%, the rate of patient on patient assault decreased 7.2% from 2017 (see Table C.2), while the rate of patient on staff assault decreased 11.0% from 2017 (see Table C.3).

The following tables provide a yearly summary of the year-over-year changes in the assault rates.

Table C.2
DSH-Metropolitan Yearly A2 Patient on Patient Assault Summary

YEAR	A2 PATIENT ON PATIENT ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	1034	235766	4.386	NA
2011	1186	226342	5.24	19.5
2012	1060	234939	4.512	-13.9
2013	909	238968	3.804	-15.7
2014	1070	258248	4.143	8.9
2015	1193	266946	4.469	7.9
2016	1097	274139	4.002	-10.4
2017	1097	290523	3.776	-5.6
2018	1035	295325	3.505	-7.2

Table C.3
DSH-Metropolitan Yearly A4 Patient on Staff Assault Summary

YEAR	A4 PATIENT ON STAFF ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	518	235766	2.197	NA
2011	739	226342	3.265	48.6
2012	575	234939	2.447	-25.1
2013	587	238968	2.456	0.4
2014	735	258248	2.846	15.9
2015	666	266946	2.495	-12.3
2016	673	274139	2.455	-1.6
2017	785	290523	2.702	10.1
2018	710	295325	2.404	-11

The following chart and table provide further information into the types of staff assaults (Physical Contact-Made and Physical Contact-Attempted), information that has routinely been collected on staff assaults since 2016.

Figure C.2
Yearly Rates of Staff Assault, Contact Made or Attempted, per 1000 Patient Days, at DSH-Metropolitan

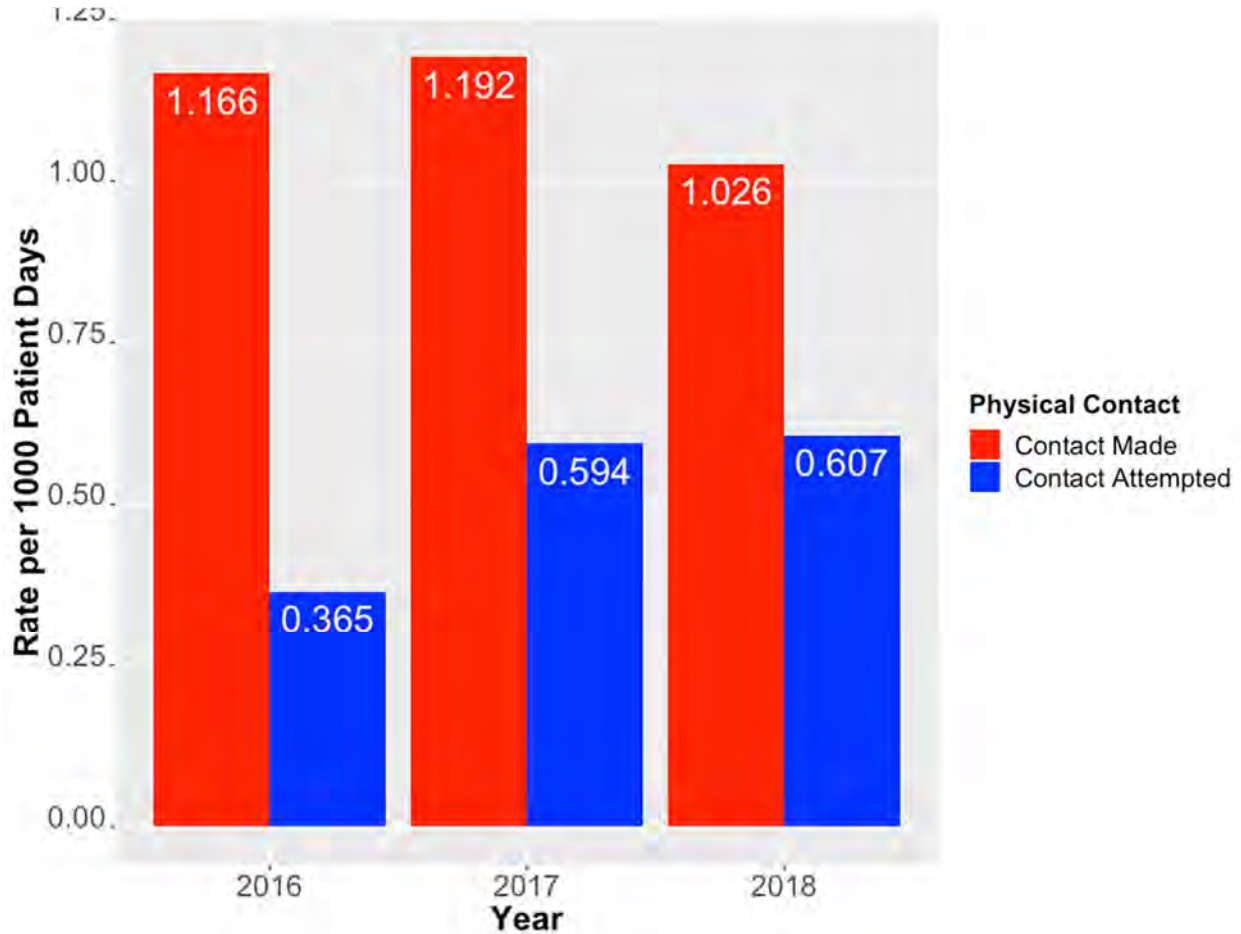


Table C.4
DSH – Metro Staff Assaults – Physical Contact Made and Contact Attempted

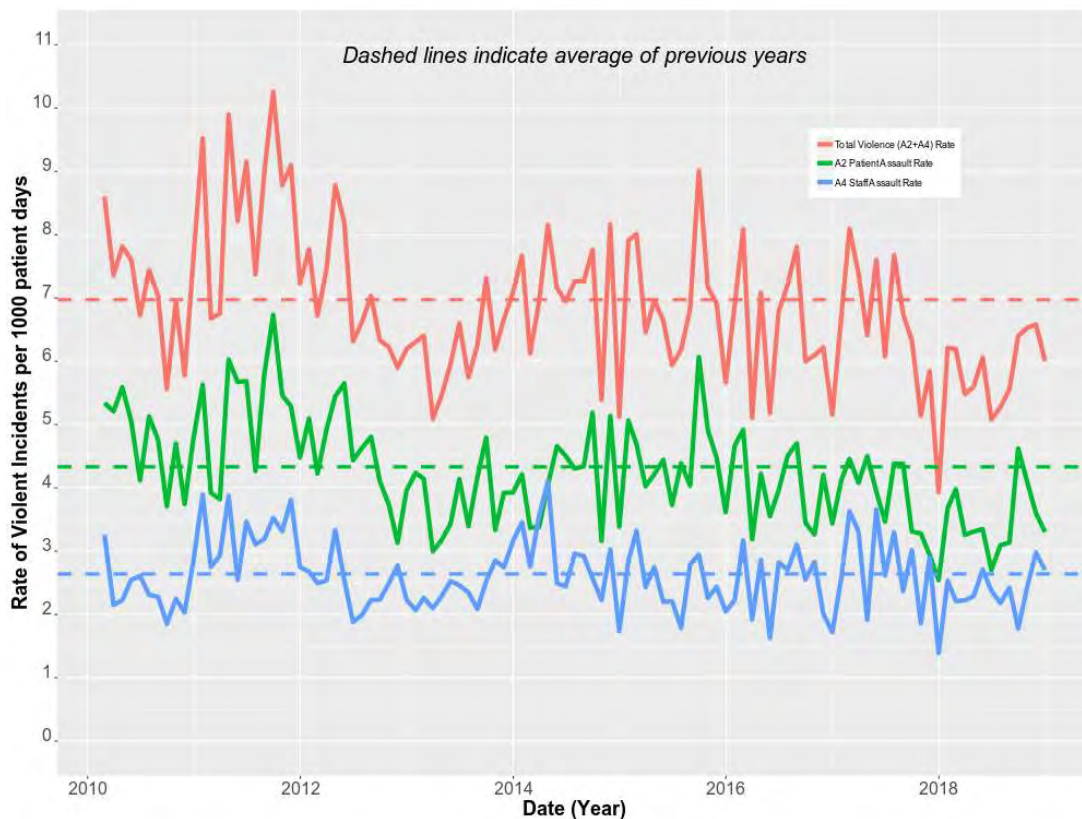
Year	Physical Contact	Count	Total Patient Days	Rate	% Change
2016	Contact Made	498	427041	1.166	NA
2016	Contact Attempted	156	427041	0.365	NA
2017	Contact Made	512	429536	1.192	2.2
2017	Contact Attempted	255	429536	0.594	62.5
2018	Contact Made	436	424745	1.026	-13.9
2018	Contact Attempted	258	424745	0.607	2.3

As seen in the table and graph above, the category of “Physical Contact Attempted” increased 2.3% from the previous year, while the category of “Physical Contact Made” decreased 13.9%.

Monthly Rates

The previous barplot (Fig. C.1) showed the violence rates as an overall yearly average and did not show the monthly variability in the rates that occurs regularly. Two figures are shown below, the first being a plot of the violence rates on a monthly basis (Fig. C.3), and the second (Fig. C.4) showing the violence rates for each month averaged over the six months before and after each month, to create a “smoothed” plot (much like you would see in a financial article, where daily results are “smoothed” to better discern trends over time). See [Appendix H](#) for more details of this method.

Figure C.3
DSH-Metropolitan Monthly Rates of Violence per 1000 Patient Days



Trend of Monthly Rates

Figure C.4
DSH-Metropolitan Trends of Monthly Rates of Violence per 1000 Patient Days

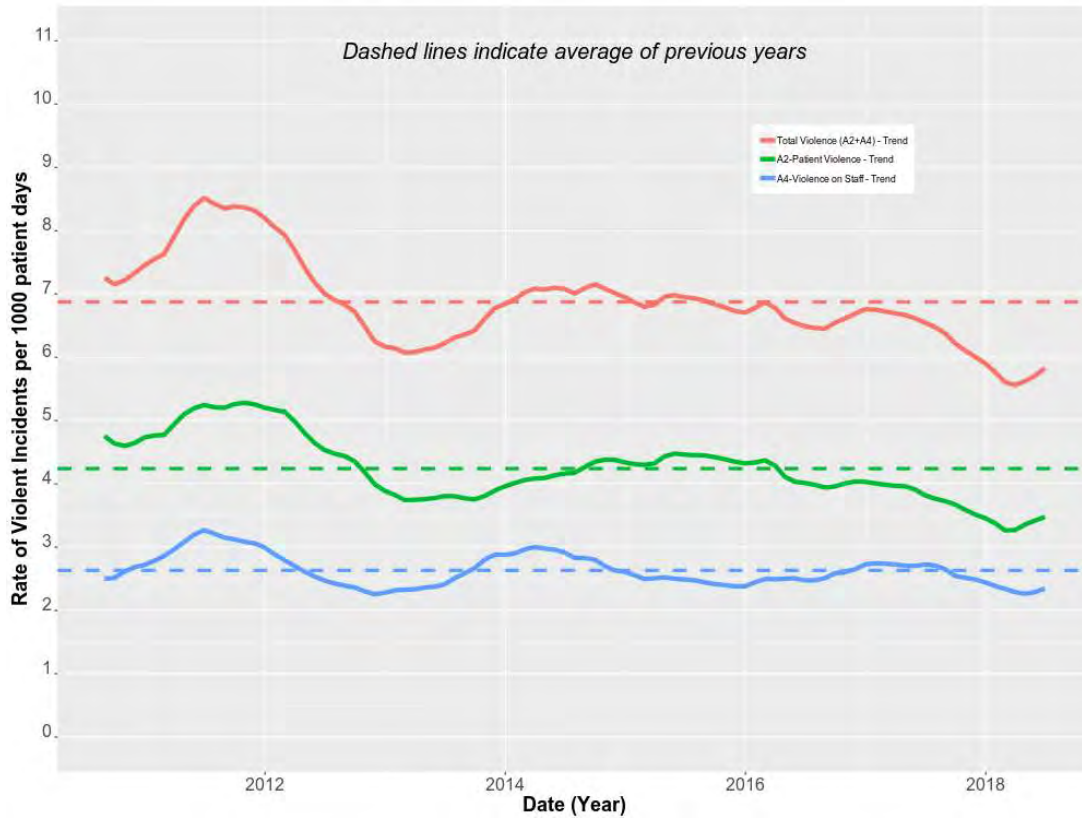


Figure C.4 shows the trend of the monthly violence rates (patient on patient assault, patient on staff assault, and total patient on patient and patient on staff assault) for DSH-Metropolitan. The dashed lines indicate the previous years (2010-2017) average rate for each category, for comparison with 2018. Again, for more details on the methodology of trending the monthly rates data, please refer to [Appendix H](#).

Table C.5 provides a yearly summary of the year-over-year changes in the assault rates.

Table C.5
DSH-Metropolitan Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/10	9.392	6.097	15.489
3/31/10	11.163	5.219	16.382
4/30/10	12.632	5.263	17.895
5/31/10	10.719	6.369	17.089
6/30/10	7.543	5.867	13.409
7/31/10	10.884	5.112	15.996
8/31/10	8.716	4.276	12.991
9/30/10	7.059	3.361	10.420
10/31/10	9.055	5.433	14.488
11/30/10	6.246	3.817	10.062
12/31/10	8.154	5.725	13.879
1/31/11	9.595	8.548	18.144
2/28/11	7.645	6.881	14.526
3/31/11	4.743	6.052	10.795
4/30/11	10.103	8.636	18.739
5/31/11	9.200	5.770	14.970
6/30/11	10.896	6.890	17.786
7/31/11	7.887	6.805	14.692
8/31/11	11.691	8.106	19.797
9/30/11	15.284	7.961	23.245
10/31/11	12.191	7.562	19.753
11/30/11	12.160	9.760	21.920
12/31/11	8.532	5.585	14.117
1/31/12	10.003	6.464	16.467
2/29/12	7.350	6.014	13.365
3/31/12	8.686	6.159	14.845
4/30/12	10.474	7.573	18.047
5/31/12	13.652	6.671	20.323
6/30/12	9.219	4.688	13.906
7/31/12	9.952	4.098	14.049
8/31/12	8.811	5.778	14.589
9/30/12	8.007	4.986	12.993
10/31/12	8.999	5.951	14.949
11/30/12	6.728	6.116	12.844
12/31/12	7.821	5.902	13.723
1/31/13	8.339	4.828	13.168
2/28/13	6.711	4.911	11.622

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
3/31/13	5.112	4.962	10.074
4/30/13	5.787	6.430	12.217
5/31/13	6.485	6.971	13.457
6/30/13	8.896	6.919	15.815
7/31/13	5.964	5.353	11.317
8/31/13	8.428	5.619	14.047
9/30/13	8.877	6.428	15.305
10/31/13	5.922	6.909	12.831
11/30/13	7.446	6.443	13.889
12/31/13	9.191	8.043	17.234
1/31/14	7.516	7.242	14.758
2/28/14	6.696	5.386	12.082
3/31/14	6.663	7.945	14.608
4/30/14	8.454	9.624	18.078
5/31/14	8.887	6.171	15.058
6/30/14	6.801	4.660	11.461
7/31/14	6.605	5.524	12.129
8/31/14	6.914	6.211	13.126
9/30/14	8.406	5.091	13.498
10/31/14	6.433	4.825	11.258
11/30/14	9.474	6.199	15.673
12/31/14	5.831	3.430	9.261
1/31/15	8.187	5.572	13.759
2/28/15	7.445	7.319	14.763
3/31/15	7.079	5.024	12.103
4/30/15	7.284	6.227	13.510
5/31/15	6.744	5.030	11.774
6/30/15	5.734	5.032	10.765
7/31/15	6.952	3.940	10.892
8/31/15	7.358	6.208	13.566
9/30/15	9.912	5.519	15.431
10/31/15	8.451	4.659	13.109
11/30/15	8.374	4.676	13.051
12/31/15	6.666	4.375	11.041
1/31/16	8.259	4.130	12.389
2/29/16	7.888	5.697	13.585
3/31/16	5.202	3.434	8.636
4/30/16	7.634	6.108	13.742
5/31/16	5.995	3.307	9.302
6/30/16	6.594	5.443	12.037
7/31/16	7.495	5.166	12.661

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
8/31/16	6.633	5.919	12.552
9/30/16	5.584	4.403	9.987
10/31/16	5.234	5.339	10.573
11/30/16	6.772	3.386	10.158
12/31/16	5.585	3.178	8.763
1/31/17	6.557	4.496	11.054
2/28/17	6.788	5.268	12.057
3/31/17	6.519	6.059	12.578
4/30/17	7.320	3.042	10.362
5/31/17	6.827	6.643	13.470
6/30/17	5.703	4.543	10.246
7/31/17	7.548	5.457	13.005
8/31/17	7.279	4.094	11.373
9/30/17	5.433	5.620	11.053
10/31/17	5.179	3.840	9.019
11/30/17	4.913	5.004	9.916
12/31/17	3.795	2.118	5.913
1/31/18	5.478	4.000	9.477
2/28/18	6.600	4.305	10.905
3/31/18	4.409	3.458	7.867
4/30/18	5.062	4.339	9.402
5/31/18	5.365	4.134	9.499
6/30/18	4.081	4.444	8.525
7/31/18	3.980	3.184	7.164
8/31/18	4.285	4.374	8.659
9/30/18	6.841	2.219	9.060
10/31/18	4.850	2.784	7.634
11/30/18	3.813	4.743	8.556
12/31/18	4.670	4.939	9.609

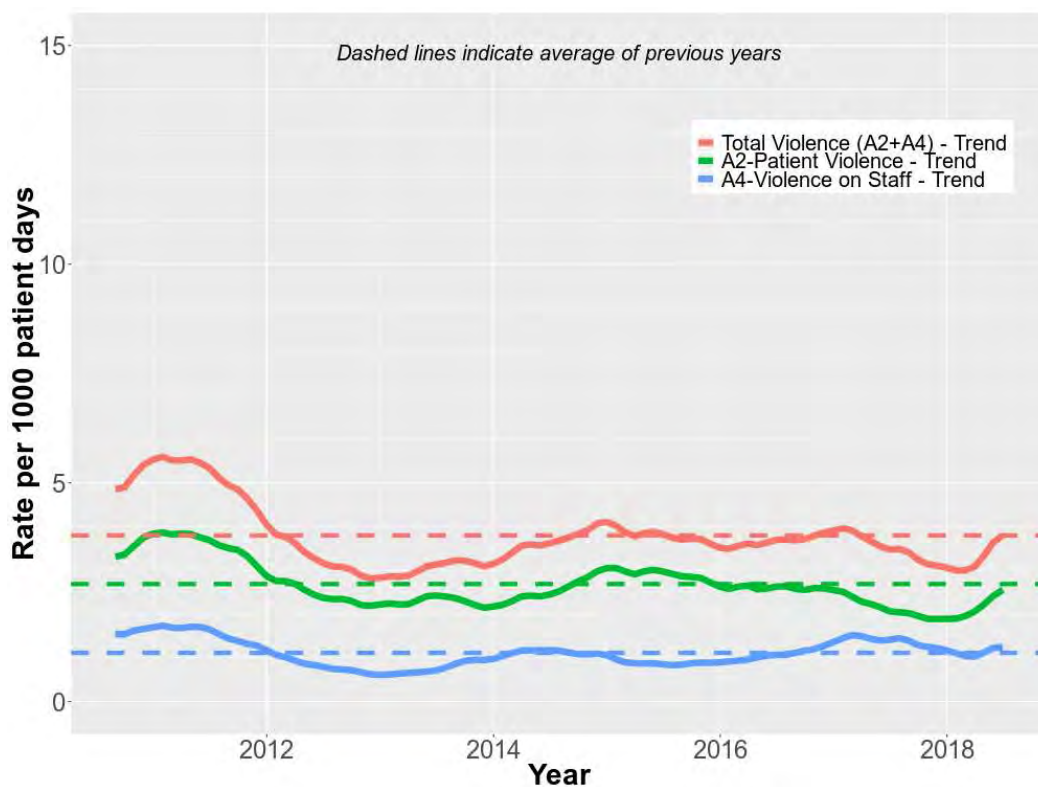
Violence Rates by Major Legal Classes

DSH-Metropolitan IST's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure C.5
Trends of Monthly Rates of Violence for IST's at DSH-Metropolitan



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure C.6
Monthly Rates of Violence for IST's at DSH-Metropolitan

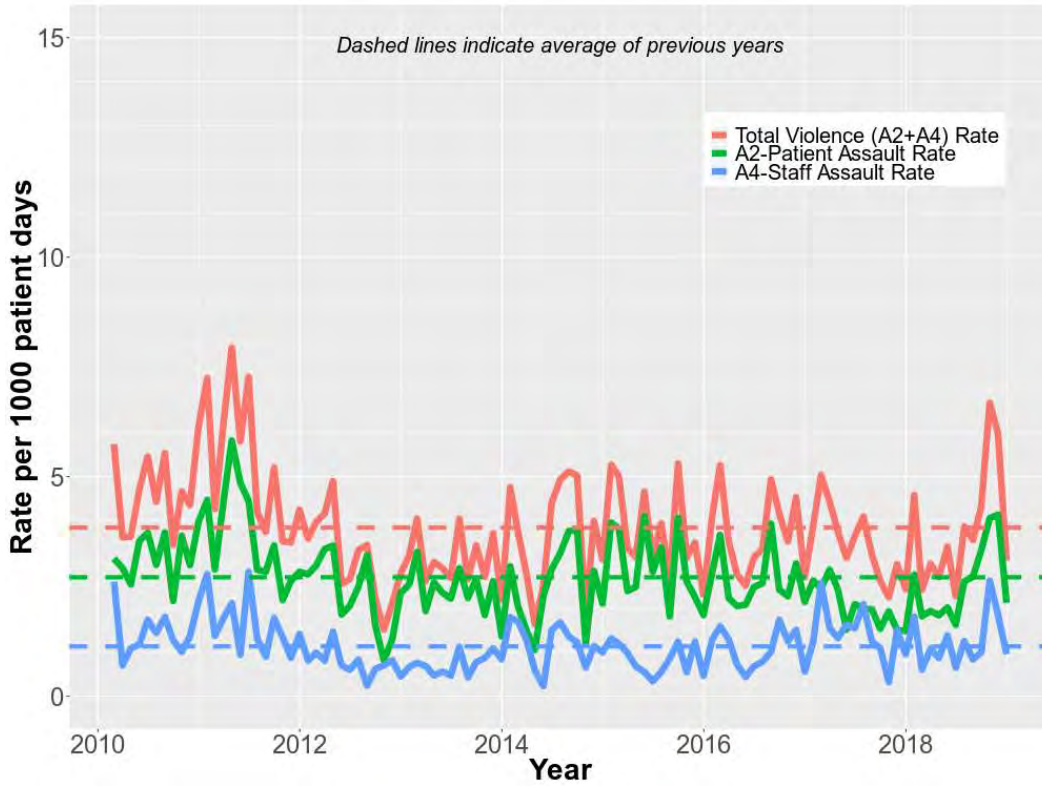


Table C.6
DSH-Metropolitan IST Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/10	3.132	2.610	5.741
3/31/10	2.919	0.701	3.619
4/30/10	2.544	1.090	3.634
5/31/10	3.534	1.178	4.712
6/30/10	3.722	1.737	5.459
7/31/10	2.992	1.436	4.428
8/31/10	3.730	1.805	5.534
9/30/10	2.171	1.277	3.448
10/31/10	3.652	1.007	4.659
11/30/10	2.985	1.368	4.353
12/31/10	3.973	2.167	6.139
1/31/11	4.467	2.777	7.244
2/28/11	2.888	1.375	4.263
3/31/11	4.427	1.771	6.198
4/30/11	5.822	2.117	7.940
5/31/11	4.859	0.945	5.804
6/30/11	4.446	2.829	7.275
7/31/11	2.879	1.309	4.188
8/31/11	2.835	0.902	3.738
9/30/11	3.430	1.779	5.209
10/31/11	2.191	1.339	3.531
11/30/11	2.624	0.875	3.499
12/31/11	2.830	1.415	4.245
1/31/12	2.776	0.810	3.585
2/29/12	2.975	0.992	3.966
3/31/12	3.349	0.808	4.157
4/30/12	3.427	1.469	4.896
5/31/12	1.859	0.697	2.556
6/30/12	2.056	0.605	2.661
7/31/12	2.491	0.830	3.321
8/31/12	3.207	0.238	3.444
9/30/12	1.613	0.620	2.233
10/31/12	0.817	0.700	1.516
11/30/12	1.284	0.817	2.100
12/31/12	2.351	0.448	2.799
1/31/13	2.547	0.664	3.212
2/28/13	3.285	0.758	4.043
3/31/13	1.939	0.684	2.624
4/30/13	2.586	0.470	3.056

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
5/31/13	2.355	0.561	2.916
6/30/13	2.221	0.468	2.688
7/31/13	2.916	1.122	4.038
8/31/13	2.240	0.427	2.666
9/30/13	2.661	0.776	3.437
10/31/13	1.847	0.869	2.717
11/30/13	2.616	1.090	3.706
12/31/13	1.363	0.838	2.201
1/31/14	2.959	1.797	4.756
2/28/14	2.043	1.702	3.745
3/31/14	1.493	1.279	2.772
4/30/14	1.054	0.586	1.640
5/31/14	2.291	0.229	2.520
6/30/14	2.896	1.506	4.402
7/31/14	3.256	1.681	4.937
8/31/14	3.756	1.356	5.113
9/30/14	3.796	1.228	5.025
10/31/14	1.200	0.654	1.854
11/30/14	2.849	1.140	3.989
12/31/14	2.110	0.999	3.109
1/31/15	3.952	1.317	5.269
2/28/15	3.815	1.192	5.008
3/31/15	2.395	0.980	3.375
4/30/15	2.487	0.678	3.165
5/31/15	4.099	0.554	4.653
6/30/15	2.834	0.340	3.174
7/31/15	3.386	0.546	3.932
8/31/15	1.815	0.854	2.670
9/30/15	4.060	1.240	5.300
10/31/15	2.611	0.544	3.155
11/30/15	2.259	1.243	3.502
12/31/15	1.848	0.462	2.309
1/31/16	2.800	1.283	4.083
2/29/16	3.671	1.591	5.262
3/31/16	2.232	1.292	3.524
4/30/16	2.053	0.724	2.777
5/31/16	2.080	0.438	2.518
6/30/16	2.482	0.677	3.159
7/31/16	2.569	0.782	3.351
8/31/16	3.928	1.010	4.938
9/30/16	2.426	1.733	4.159
10/31/16	2.273	1.250	3.523

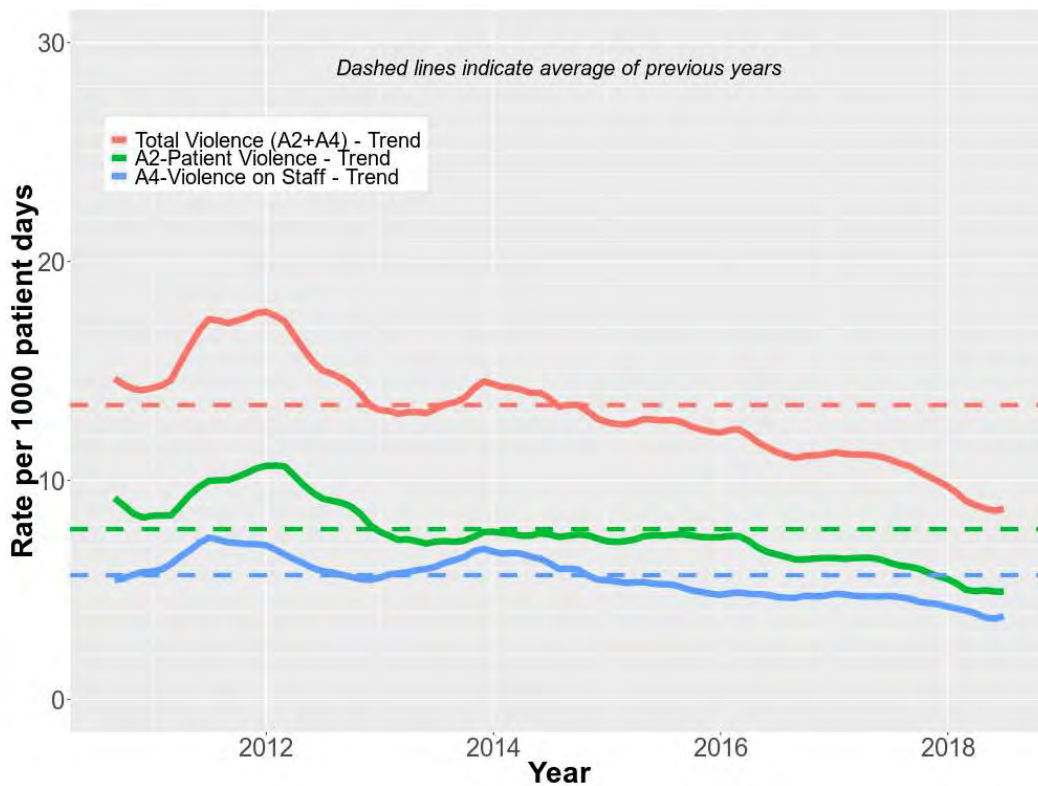
DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
11/30/16	3.020	1.510	4.530
12/31/16	2.150	0.566	2.715
1/31/17	2.632	1.259	3.891
2/28/17	2.453	2.582	5.034
3/31/17	2.878	1.550	4.428
4/30/17	2.427	1.324	3.750
5/31/17	1.520	1.628	3.148
6/30/17	2.096	1.545	3.641
7/31/17	1.992	2.097	4.088
8/31/17	1.974	1.247	3.221
9/30/17	1.533	1.095	2.628
10/31/17	1.930	0.322	2.252
11/30/17	1.504	1.504	3.007
12/31/17	1.483	0.953	2.436
1/31/18	2.769	1.810	4.579
2/28/18	1.818	0.606	2.424
3/31/18	1.939	1.077	3.017
4/30/18	1.842	0.867	2.709
5/31/18	2.021	1.383	3.404
6/30/18	1.625	0.650	2.275
7/31/18	2.611	1.253	3.864
8/31/18	2.720	0.837	3.557
9/30/18	3.313	0.994	4.307
10/31/18	4.053	2.629	6.681
11/30/18	4.134	1.850	5.984
12/31/18	2.127	0.957	3.084

DSH-Metropolitan LPS's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure C.7
Trends of Monthly Rates of Violence for LPS's at DSH-Metropolitan



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure C.8
Monthly Rates of Violence for LPS's at DSH-Metropolitan

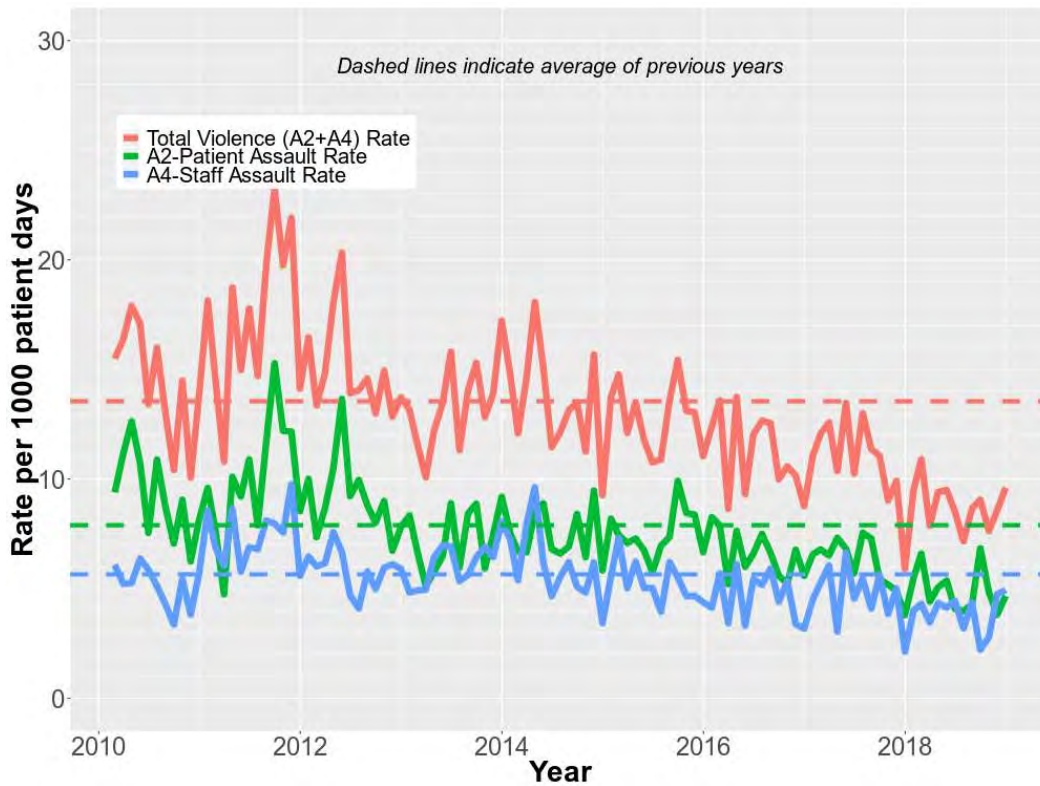


Table C.7
DSH-Metropolitan LPS Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/10	9.392	6.097	15.489
3/31/10	11.163	5.219	16.382
4/30/10	12.632	5.263	17.895
5/31/10	10.719	6.369	17.089
6/30/10	7.543	5.867	13.409
7/31/10	10.884	5.112	15.996
8/31/10	8.716	4.276	12.991
9/30/10	7.059	3.361	10.420
10/31/10	9.055	5.433	14.488
11/30/10	6.246	3.817	10.062
12/31/10	8.154	5.725	13.879
1/31/11	9.595	8.548	18.144
2/28/11	7.645	6.881	14.526
3/31/11	4.743	6.052	10.795
4/30/11	10.103	8.636	18.739
5/31/11	9.200	5.770	14.970
6/30/11	10.896	6.890	17.786
7/31/11	7.887	6.805	14.692
8/31/11	11.691	8.106	19.797
9/30/11	15.284	7.961	23.245
10/31/11	12.191	7.562	19.753
11/30/11	12.160	9.760	21.920
12/31/11	8.532	5.585	14.117
1/31/12	10.003	6.464	16.467
2/29/12	7.350	6.014	13.365
3/31/12	8.686	6.159	14.845
4/30/12	10.474	7.573	18.047
5/31/12	13.652	6.671	20.323
6/30/12	9.219	4.688	13.906
7/31/12	9.952	4.098	14.049
8/31/12	8.811	5.778	14.589
9/30/12	8.007	4.986	12.993
10/31/12	8.999	5.951	14.949
11/30/12	6.728	6.116	12.844
12/31/12	7.821	5.902	13.723
1/31/13	8.339	4.828	13.168
2/28/13	6.711	4.911	11.622
3/31/13	5.112	4.962	10.074
4/30/13	5.787	6.430	12.217

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
5/31/13	6.485	6.971	13.457
6/30/13	8.896	6.919	15.815
7/31/13	5.964	5.353	11.317
8/31/13	8.428	5.619	14.047
9/30/13	8.877	6.428	15.305
10/31/13	5.922	6.909	12.831
11/30/13	7.446	6.443	13.889
12/31/13	9.191	8.043	17.234
1/31/14	7.516	7.242	14.758
2/28/14	6.696	5.386	12.082
3/31/14	6.663	7.945	14.608
4/30/14	8.454	9.624	18.078
5/31/14	8.887	6.171	15.058
6/30/14	6.801	4.660	11.461
7/31/14	6.605	5.524	12.129
8/31/14	6.914	6.211	13.126
9/30/14	8.406	5.091	13.498
10/31/14	6.433	4.825	11.258
11/30/14	9.474	6.199	15.673
12/31/14	5.831	3.430	9.261
1/31/15	8.187	5.572	13.759
2/28/15	7.445	7.319	14.763
3/31/15	7.079	5.024	12.103
4/30/15	7.284	6.227	13.510
5/31/15	6.744	5.030	11.774
6/30/15	5.734	5.032	10.765
7/31/15	6.952	3.940	10.892
8/31/15	7.358	6.208	13.566
9/30/15	9.912	5.519	15.431
10/31/15	8.451	4.659	13.109
11/30/15	8.374	4.676	13.051
12/31/15	6.666	4.375	11.041
1/31/16	8.259	4.130	12.389
2/29/16	7.888	5.697	13.585
3/31/16	5.202	3.434	8.636
4/30/16	7.634	6.108	13.742
5/31/16	5.995	3.307	9.302
6/30/16	6.594	5.443	12.037
7/31/16	7.495	5.166	12.661
8/31/16	6.633	5.919	12.552
9/30/16	5.584	4.403	9.987

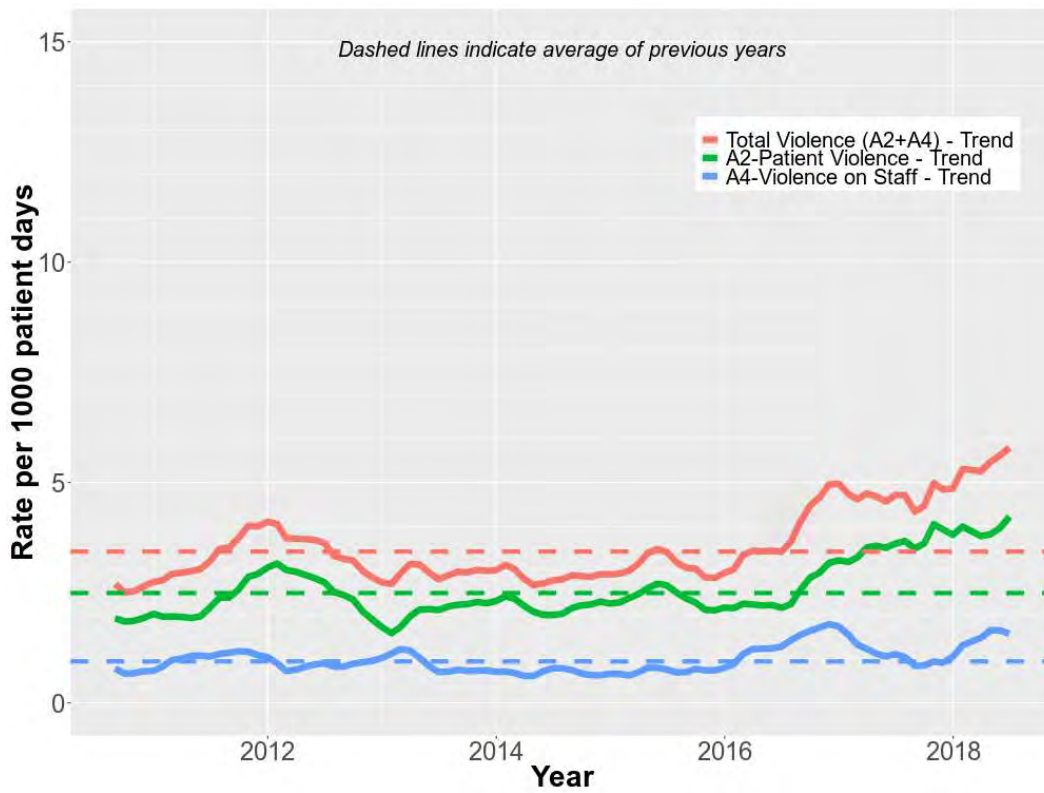
DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
10/31/16	5.234	5.339	10.573
11/30/16	6.772	3.386	10.158
12/31/16	5.585	3.178	8.763
1/31/17	6.557	4.496	11.054
2/28/17	6.788	5.268	12.057
3/31/17	6.519	6.059	12.578
4/30/17	7.320	3.042	10.362
5/31/17	6.827	6.643	13.470
6/30/17	5.703	4.543	10.246
7/31/17	7.548	5.457	13.005
8/31/17	7.279	4.094	11.373
9/30/17	5.433	5.620	11.053
10/31/17	5.179	3.840	9.019
11/30/17	4.913	5.004	9.916
12/31/17	3.795	2.118	5.913
1/31/18	5.478	4.000	9.477
2/28/18	6.600	4.305	10.905
3/31/18	4.409	3.458	7.867
4/30/18	5.062	4.339	9.402
5/31/18	5.365	4.134	9.499
6/30/18	4.081	4.444	8.525
7/31/18	3.980	3.184	7.164
8/31/18	4.285	4.374	8.659
9/30/18	6.841	2.219	9.060
10/31/18	4.850	2.784	7.634
11/30/18	3.813	4.743	8.556
12/31/18	4.670	4.939	9.609

DSH-Metropolitan OMD's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure C.9
Trends of Monthly Rates of Violence for OMD's at DSH-Metropolitan



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure C.10
Monthly Rates of Violence for OMD's at DSH-Metropolitan

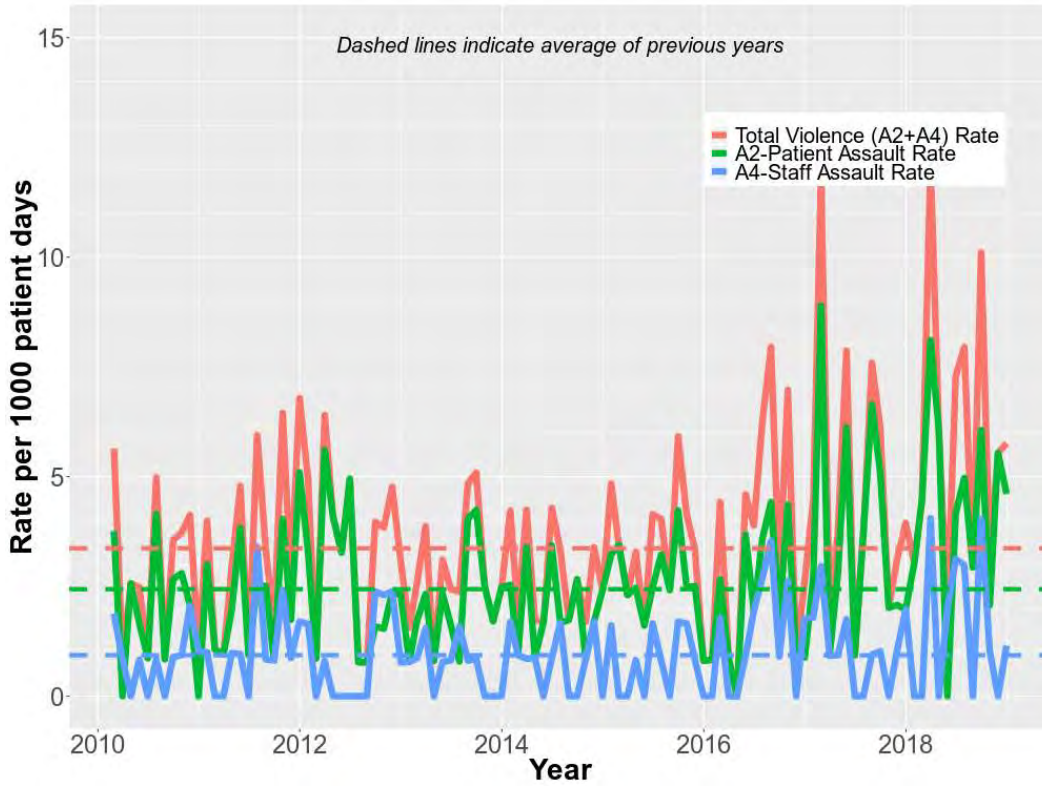


Table C.8
DSH-Metropolitan OMD Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/10	3.759	1.880	5.639
3/31/10	0.000	0.840	0.840
4/30/10	2.564	0.000	2.564
5/31/10	1.654	0.827	2.481
6/30/10	0.865	0.000	0.865
7/31/10	4.149	0.830	4.979
8/31/10	0.842	0.000	0.842
9/30/10	2.664	0.888	3.552
10/31/10	2.799	0.933	3.731
11/30/10	2.062	2.062	4.124
12/31/10	0.000	1.008	1.008
1/31/11	2.994	0.998	3.992
2/28/11	1.065	0.000	1.065
3/31/11	0.949	0.000	0.949
4/30/11	1.961	0.980	2.941
5/31/11	3.828	0.957	4.785
6/30/11	0.943	0.000	0.943
7/31/11	2.547	3.396	5.942
8/31/11	2.504	0.835	3.339
9/30/11	0.814	0.814	1.627
10/31/11	4.032	2.419	6.452
11/30/11	1.739	0.870	2.609
12/31/11	5.093	1.698	6.791
1/31/12	3.289	1.645	4.934
2/29/12	0.861	0.000	0.861
3/31/12	5.604	0.801	6.405
4/30/12	4.102	0.000	4.102
5/31/12	3.271	0.000	3.271
6/30/12	4.946	0.000	4.946
7/31/12	0.774	0.000	0.774
8/31/12	0.768	0.000	0.768
9/30/12	1.587	2.381	3.968
10/31/12	1.536	2.304	3.840
11/30/12	2.381	2.381	4.762
12/31/12	2.304	0.768	3.072
1/31/13	0.781	0.781	1.561
2/28/13	1.718	0.859	2.577
3/31/13	2.322	1.548	3.870
4/30/13	0.805	0.000	0.805

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
5/31/13	2.333	0.778	3.110
6/30/13	1.626	0.813	2.439
7/31/13	0.792	1.584	2.375
8/31/13	4.042	0.808	4.850
9/30/13	4.241	0.848	5.089
10/31/13	2.492	0.000	2.492
11/30/13	1.709	0.000	1.709
12/31/13	2.481	0.000	2.481
1/31/14	2.536	1.691	4.227
2/28/14	0.940	0.940	1.880
3/31/14	3.396	0.849	4.244
4/30/14	0.877	0.877	1.754
5/31/14	1.671	0.000	1.671
6/30/14	3.431	0.858	4.288
7/31/14	1.669	1.669	3.339
8/31/14	1.735	0.000	1.735
9/30/14	2.660	0.000	2.660
10/31/14	0.849	0.849	1.698
11/30/14	1.695	1.695	3.390
12/31/14	2.419	0.000	2.419
1/31/15	3.226	1.613	4.839
2/28/15	3.442	0.000	3.442
3/31/15	2.304	0.000	2.304
4/30/15	2.465	0.822	3.287
5/31/15	1.613	0.000	1.613
6/30/15	2.483	1.656	4.139
7/31/15	3.226	0.806	4.032
8/31/15	2.419	0.000	2.419
9/30/15	4.227	1.691	5.917
10/31/15	2.481	1.654	4.136
11/30/15	2.504	0.835	3.339
12/31/15	0.806	0.000	0.806
1/31/16	0.827	0.000	0.827
2/29/16	2.653	1.768	4.421
3/31/16	0.864	0.000	0.864
4/30/16	0.000	0.000	0.000
5/31/16	3.676	0.919	4.596
6/30/16	1.944	1.944	3.887
7/31/16	3.584	2.688	6.272
8/31/16	4.417	3.534	7.951
9/30/16	1.802	0.901	2.703
10/31/16	4.359	2.616	6.975

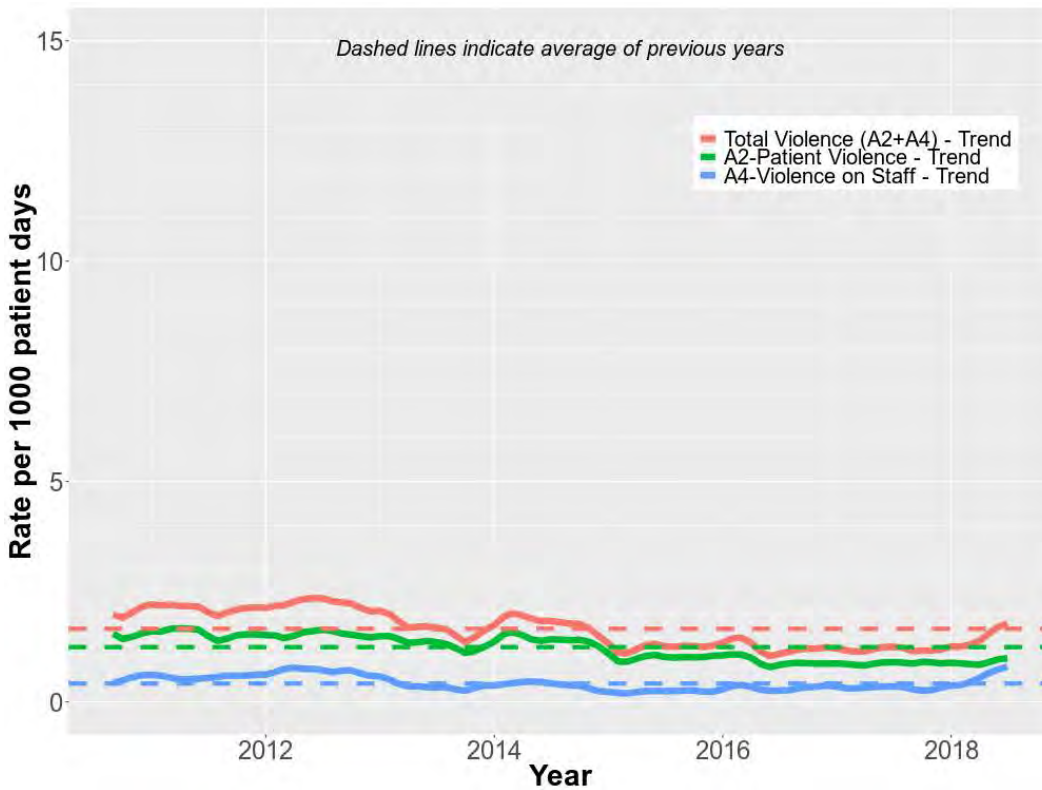
DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
11/30/16	0.901	0.000	0.901
12/31/16	0.880	1.761	2.641
1/31/17	2.688	1.792	4.480
2/28/17	8.893	2.964	11.858
3/31/17	0.922	0.922	1.843
4/30/17	2.804	0.935	3.738
5/31/17	6.119	1.748	7.867
6/30/17	0.930	0.000	0.930
7/31/17	3.724	0.000	3.724
8/31/17	6.641	0.949	7.590
9/30/17	5.097	1.019	6.116
10/31/17	2.016	0.000	2.016
11/30/17	2.075	1.037	3.112
12/31/17	1.972	1.972	3.945
1/31/18	3.027	0.000	3.027
2/28/18	4.469	0.000	4.469
3/31/18	8.105	4.053	12.158
4/30/18	6.061	0.000	6.061
5/31/18	0.000	1.996	1.996
6/30/18	4.167	3.125	7.292
7/31/18	4.970	2.982	7.952
8/31/18	2.933	0.000	2.933
9/30/18	6.061	4.040	10.101
10/31/18	2.066	1.033	3.099
11/30/18	5.537	0.000	5.537
12/31/18	4.608	1.152	5.760

DSH-Metropolitan NGRI's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure C.11
Trends of Monthly Rates of Violence for NGRI's at DSH-Metropolitan



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure C.12
Monthly Rates of Violence for NGRI's at DSH-Metropolitan

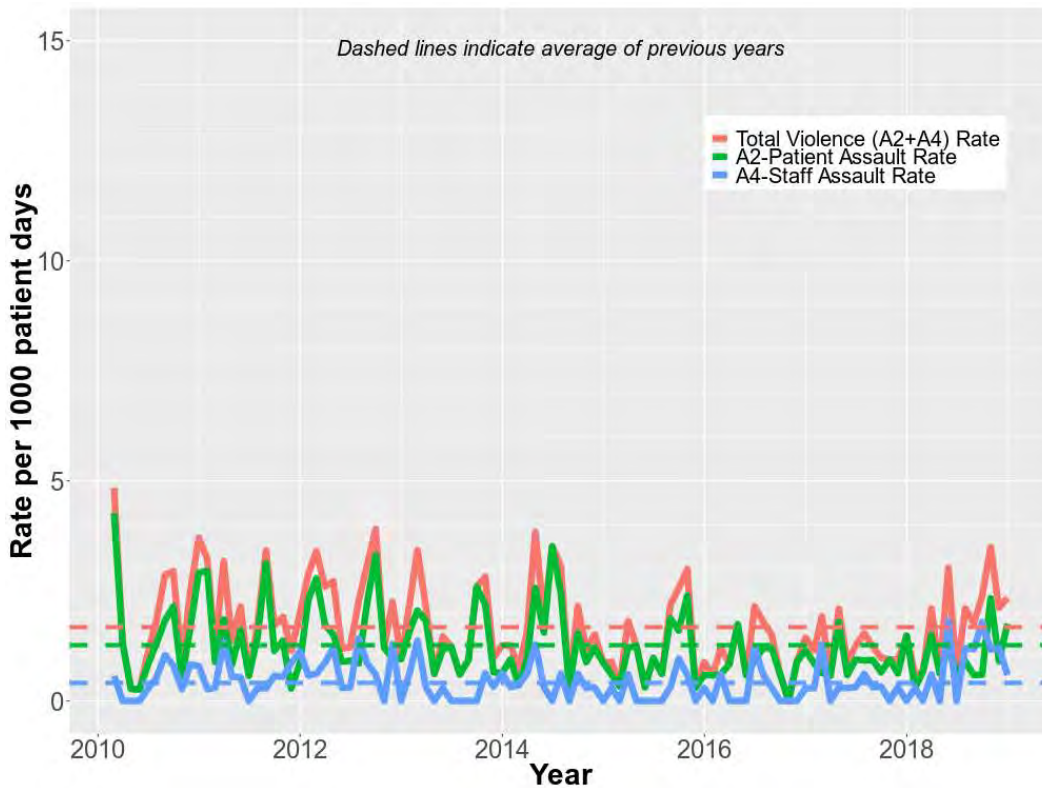


Table C.9
DSH-Metropolitan NGRI Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/10	4.270	0.569	4.839
3/31/10	1.311	0.000	1.311
4/30/10	0.273	0.000	0.273
5/31/10	0.263	0.000	0.263
6/30/10	0.819	0.273	1.093
7/31/10	1.306	0.522	1.828
8/31/10	1.822	1.041	2.863
9/30/10	2.145	0.805	2.950
10/31/10	0.527	0.264	0.791
11/30/10	1.645	0.822	2.467
12/31/10	2.913	0.794	3.708
1/31/11	2.951	0.268	3.220
2/28/11	0.887	0.296	1.183
3/31/11	1.851	1.322	3.173
4/30/11	0.822	0.548	1.369
5/31/11	1.606	0.535	2.141
6/30/11	0.574	0.000	0.574
7/31/11	1.435	0.287	1.722
8/31/11	3.131	0.285	3.416
9/30/11	1.140	0.570	1.710
10/31/11	1.366	0.546	1.912
11/30/11	0.285	0.856	1.142
12/31/11	0.847	1.129	1.976
1/31/12	2.310	0.578	2.888
2/29/12	2.782	0.618	3.400
3/31/12	1.730	0.865	2.595
4/30/12	1.510	1.208	2.718
5/31/12	0.890	0.297	1.187
6/30/12	0.914	0.305	1.219
7/31/12	0.853	1.422	2.275
8/31/12	2.261	0.848	3.109
9/30/12	3.308	0.602	3.910
10/31/12	1.207	0.000	1.207
11/30/12	0.966	1.288	2.254
12/31/12	0.951	0.000	0.951
1/31/13	1.586	0.635	2.221
2/28/13	2.053	1.368	3.421
3/31/13	1.812	0.302	2.114

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
4/30/13	0.615	0.000	0.615
5/31/13	1.171	0.293	1.463
6/30/13	1.233	0.000	1.233
7/31/13	0.605	0.000	0.605
8/31/13	0.926	0.000	0.926
9/30/13	2.588	0.000	2.588
10/31/13	2.195	0.627	2.822
11/30/13	0.653	0.326	0.979
12/31/13	0.631	0.631	1.261
1/31/14	0.950	0.317	1.267
2/28/14	0.351	0.351	0.702
3/31/14	0.937	0.625	1.562
4/30/14	2.564	1.282	3.846
5/31/14	1.554	0.311	1.865
6/30/14	3.510	0.000	3.510
7/31/14	2.455	0.614	3.069
8/31/14	0.302	0.000	0.302
9/30/14	1.537	0.615	2.151
10/31/14	0.882	0.294	1.176
11/30/14	1.208	0.302	1.510
12/31/14	0.870	0.000	0.870
1/31/15	0.593	0.296	0.889
2/28/15	0.334	0.000	0.334
3/31/15	1.211	0.606	1.817
4/30/15	1.252	0.000	1.252
5/31/15	0.312	0.000	0.312
6/30/15	0.972	0.000	0.972
7/31/15	0.616	0.000	0.616
8/31/15	1.871	0.312	2.183
9/30/15	1.599	0.960	2.559
10/31/15	2.389	0.597	2.987
11/30/15	0.304	0.000	0.304
12/31/15	0.585	0.293	0.878
1/31/16	0.583	0.000	0.583
2/29/16	0.605	0.605	1.210
3/31/16	0.834	0.000	0.834
4/30/16	1.738	0.000	1.738
5/31/16	0.581	0.000	0.581
6/30/16	0.921	1.227	2.148
7/31/16	1.198	0.599	1.797
8/31/16	1.198	0.299	1.497

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
9/30/16	0.612	0.000	0.612
10/31/16	0.000	0.000	0.000
11/30/16	0.891	0.000	0.891
12/31/16	1.148	0.287	1.435
1/31/17	0.857	0.286	1.143
2/28/17	0.640	1.280	1.921
3/31/17	0.573	0.000	0.573
4/30/17	1.792	0.299	2.090
5/31/17	0.588	0.294	0.883
6/30/17	0.939	0.313	1.252
7/31/17	0.921	0.614	1.534
8/31/17	0.929	0.310	1.239
9/30/17	0.652	0.326	0.978
10/31/17	0.941	0.000	0.941
11/30/17	0.625	0.312	0.937
12/31/17	1.479	0.000	1.479
1/31/18	0.295	0.295	0.590
2/28/18	0.662	0.000	0.662
3/31/18	1.496	0.598	2.095
4/30/18	0.624	0.000	0.624
5/31/18	1.208	1.812	3.020
6/30/18	0.628	0.000	0.628
7/31/18	0.899	1.199	2.098
8/31/18	0.587	1.175	1.762
9/30/18	0.594	1.783	2.377
10/31/18	2.330	1.165	3.494
11/30/18	0.906	1.208	2.114
12/31/18	1.755	0.585	2.340

Appendix D: DSH-Napa

This section reviews and then further extends information presented earlier in this report.

In the first section, the overall hospital population, given as Average Daily Census (ADC) is given for each month during 2010-2018, broken down by legal class.

In the second section, the yearly rates of violence presented earlier are reviewed, and then in the following sections, the monthly rates of violence and trend of violence is given.

In the remaining sections, the rates of violence by each individual legal class in the hospital is given, for the major groups at each hospital (i.e., IST's, NGRI's, OMD's, LPS, and SVP's).

When a given legal class numbers less than 20 at a hospital (typically DJJ or MDSO's), the overall data is not presented, as the numbers are too small to draw conclusions about that legal class (i.e., acts of violence are more related to an individual patient or just a few patients than to the legal class as a whole).

Table D.I
DSH-Napa Monthly ADC, By Legal Commitment

DATE	DJJ	IST	LPS	OMD	MDSO	NGRI	PC2684	SVP	TOTAL POP.
1/31/10	<11	275.06	186.22	152.61	<11	543.77	<11	<11	1169.66
2/28/10	<11	265.57	187.93	153.18	<11	545.39	<11	<11	1164
3/31/10	<11	268.32	183.45	152.35	<11	547.23	<11	<11	1164.35
4/30/10	<11	272.83	181.2	150.33	<11	544	<11	<11	1161.36
5/31/10	<11	268.03	188.44	151.71	<11	543.71	<11	<11	1164.89
6/30/10	<11	269.6	192.24	152.43	<11	543.64	<11	<11	1171.44
7/31/10	<11	257	193.71	152.58	<11	547.83	<11	<11	1164.47
8/31/10	<11	260.29	194.06	153.49	<11	547.94	<11	<11	1168.78
9/30/10	<11	262.13	194.47	152.77	<11	550.26	<11	<11	1172.63
10/31/10	<11	257.83	201.65	152.78	<11	553.81	<11	<11	1179.07
11/30/10	<11	261.97	201.1	150.96	<11	553.66	<11	<11	1180.69
12/31/10	<11	254.55	203.93	149.54	<11	556.71	<11	<11	1177.73
1/31/11	<11	251.45	214.17	149.49	<11	558.13	<11	<11	1186.24
2/28/11	<11	244.25	217.51	147.04	<11	558.25	<11	<11	1179.8
3/31/11	<11	243.13	215.26	144.78	<11	562.71	<11	<11	1177.88
4/30/11	<11	248.57	211.4	144.04	<11	564.2	<11	<11	1180.21
5/31/11	<11	243.13	212.86	145.81	<11	565.58	<11	<11	1179.38
6/30/11	<11	242.9	206.76	145.47	<11	559.53	<11	<11	1166.66
7/31/11	<11	239.2	204.71	141.26	<11	558.61	<11	<11	1155.78
8/31/11	<11	243.58	208.44	141.25	<11	555.55	<11	<11	1160.82
9/30/11	<11	257.93	208.99	141.93	<11	558.24	<11	<11	1179.09
10/31/11	<11	268.42	206.06	143.91	<11	562.41	<11	<11	1192.8
11/30/11	<11	271.7	205.72	143.63	<11	562.63	<11	<11	1195.68
12/31/11	<11	279.84	205.33	141.39	<11	558.36	<11	<11	1196.92
1/31/12	<11	284.9	203.21	137.54	<11	558.93	<11	<11	1196.58
2/29/12	<11	289	209.97	134.06	<11	557.49	<11	<11	1202.52
3/31/12	<11	283.42	216.54	132.51	<11	553.16	<11	<11	1197.53
4/30/12	<11	281.7	220.71	132.63	<11	555.5	<11	<11	1202.21
5/31/12	<11	278.1	224.61	131.97	<11	559.06	<11	<11	1205.74
6/30/12	<11	280.53	224.35	131.36	<11	556.5	<11	<11	1204.74
7/31/12	<11	283.31	227.35	131.04	<11	560.81	<11	<11	1214.51
8/31/12	<11	281.68	224.42	131.1	<11	563.22	<11	<11	1212.42
9/30/12	<11	281.23	226.44	131.53	<11	560.53	<11	<11	1210.96
10/31/12	<11	274.29	225.29	131.97	<11	561.16	<11	<11	1203.71
11/30/12	<11	280.07	225.14	130.3	<11	561.43	<11	<11	1207.94
12/31/12	<11	276.62	224.67	125.78	<11	564.06	<11	<11	1202.13
1/31/13	<11	278.55	222.11	124.09	<11	567.39	<11	<11	1202.69

DATE	DJJ	IST	LPS	OMD	MDSO	NGRI	PC2684	SVP	TOTAL POP.
2/28/13	<11	276.32	221.13	124.07	<11	569.18	<11	<11	1200.7
3/31/13	<11	273.19	222.89	123.45	<11	573.93	<11	<11	1204.04
4/30/13	<11	275.27	224	118.83	<11	572.53	<11	<11	1201.63
5/31/13	<11	283.32	220.46	114.49	<11	572.17	<11	<11	1201.44
6/30/13	<11	290.2	216.87	112.7	<11	573.43	<11	<11	1204.2
7/31/13	<11	294.55	215.39	111.03	<11	571.13	<11	<11	1203.1
8/31/13	<11	301.77	213.35	109.42	<11	569.06	<11	<11	1204.6
9/30/13	<11	304.7	208.5	106.97	<11	564.87	<11	<11	1195.14
10/31/13	<11	304.77	203.1	108.42	<11	566.52	<11	<11	1191.81
11/30/13	<11	301.37	200.77	106.57	<11	567.23	<11	<11	1184.94
12/31/13	<11	299.48	200.62	106.26	<11	561.32	<11	<11	1176.68
1/31/14	<11	296.12	198.62	106.22	<11	557.96	<11	<11	1167.92
2/28/14	<11	292.22	199.57	101.79	<11	554.5	<11	<11	1157.08
3/31/14	<11	297.52	201.46	85.58	<11	552.35	<11	<11	1145.91
4/30/14	<11	302.54	206.43	82.46	<11	551.83	<11	<11	1152.26
5/31/14	<11	322.51	206.55	82.48	<11	557.94	<11	<11	1178.48
6/30/14	<11	321.49	210.86	83.1	<11	565.83	<11	<11	1190.28
7/31/14	<11	330.36	211.06	81.87	<11	571.62	<11	<11	1203.91
8/31/14	<11	332.19	210.44	80.81	<11	574.74	<11	<11	1207.18
9/30/14	<11	333.37	208.76	80.2	<11	578.73	<11	<11	1210.46
10/31/14	<11	337.35	208.97	78	<11	577.68	<11	<11	1212
11/30/14	<11	341.03	205.69	78.83	<11	577.23	<11	<11	1211.95
12/31/14	<11	344.93	205.26	78.77	<11	576.61	<11	<11	1214.05
1/31/15	<11	342.96	206.69	78.74	<11	575.32	<11	<11	1211.71
2/28/15	<11	326.96	207.32	80	<11	575.39	<11	<11	1196.74
3/31/15	<11	325.65	207.65	80.29	<11	572.91	<11	<11	1193.24
4/30/15	<11	324.4	210.1	80.76	<11	569.7	<11	<11	1190.96
5/31/15	<11	329.22	211.51	81	<11	573.26	<11	<11	1200.99
6/30/15	<11	332.83	214.12	81.5	<11	574.37	<11	<11	1208.82
7/31/15	<11	330.03	216.99	81.09	<11	577.16	<11	<11	1211.27
8/31/15	<11	333.2	215.04	82	<11	578.93	<11	<11	1215.17
9/30/15	<11	334.67	211.74	81.1	<11	575.3	<11	<11	1208.81
10/31/15	<11	334.85	210.96	78.84	<11	574.55	<11	<11	1205.2
11/30/15	<11	337.53	215.47	77.67	<11	567.9	<11	<11	1204.1
12/31/15	<11	338.97	213.36	76.1	<11	567.71	<11	<11	1201.14
1/31/16	<11	335.75	212.93	74.19	<11	567.71	<11	<11	1195.58
2/29/16	<11	345.45	207.54	72.38	<11	574.14	<11	<11	1204.51
3/31/16	<11	368.55	212.09	72.68	<11	584.03	<11	<11	1242.35
4/30/16	<11	378.73	220.53	72.8	<11	582.64	<11	<11	1260.3
5/31/16	<11	378.48	221.52	72	<11	586.71	<11	<11	1261.45

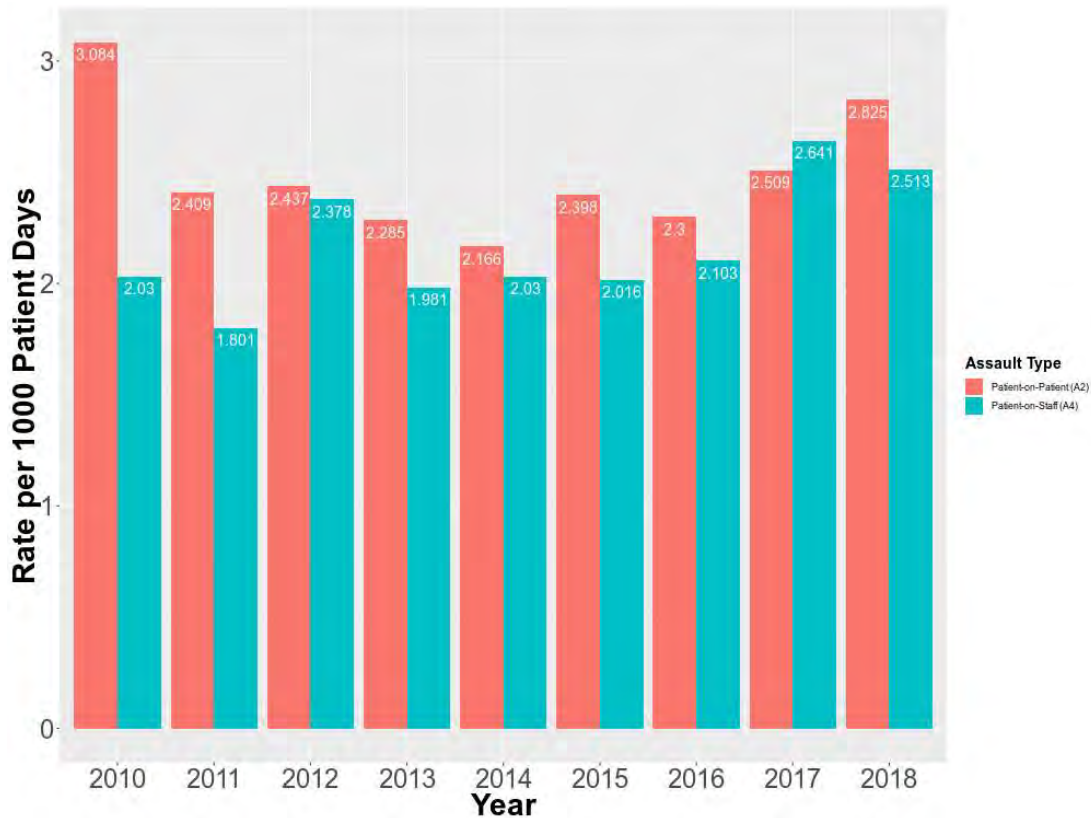
DATE	DJJ	IST	LPS	OMD	MDSO	NGRI	PC2684	SVP	TOTAL POP.
6/30/16	<11	373.84	225.46	72	<11	591.11	<11	<11	1264.41
7/31/16	<11	381.71	226.77	72.2	<11	589.87	<11	<11	1272.55
8/31/16	<11	380.65	223.31	71.71	<11	592.19	<11	<11	1269.86
9/30/16	<11	375.93	218.7	72.53	<11	589.8	<11	<11	1258.96
10/31/16	<11	373.97	215.45	72.77	<11	590.97	<11	<11	1255.16
11/30/16	<11	371.1	219.63	73.23	<11	591.4	<11	<11	1257.36
12/31/16	<11	367.3	220.75	73	<11	591.87	<11	<11	1254.92
1/31/17	<11	365.01	222.61	71.22	<11	592.1	<11	<11	1252.94
2/28/17	<11	377.14	223.83	70.21	<11	586.89	<11	<11	1260.07
3/31/17	<11	376.09	220.93	69.58	<11	582.87	<11	<11	1251.47
4/30/17	<11	371.53	221.07	70.6	<11	582.77	<11	<11	1247.97
5/31/17	<11	367.78	222.07	71.91	<11	585.8	<11	<11	1249.56
6/30/17	<11	367.03	220.37	73.3	<11	583.07	<11	<11	1245.77
7/31/17	<11	369.23	216.8	74.87	<11	580.94	<11	<11	1243.84
8/31/17	<11	365.43	216.16	75.97	<11	583.12	<11	<11	1242.68
9/30/17	<11	366.64	218.53	77	<11	585.6	<11	<11	1249.77
10/31/17	<11	366.04	217.51	77	<11	584.91	<11	<11	1247.46
11/30/17	<11	371.17	216.83	76.5	<11	584.33	<11	<11	1250.83
12/31/17	<11	378.54	219.97	76	<11	583.84	<11	<11	1260.35
1/31/18	<11	385.74	219.64	76	<11	584.61	<11	<11	1267.99
2/28/18	<11	398.72	219.5	76.57	<11	583.18	<11	<11	1279.97
3/31/18	<11	403.13	218.36	77	<11	585.13	<11	<11	1285.62
4/30/18	<11	400.57	215.93	77	<11	588.04	<11	<11	1283.54
5/31/18	<11	392.42	215.03	78.68	<11	588.33	<11	<11	1276.46
6/30/18	<11	390.03	213.86	78.7	<11	591.97	<11	<11	1276.56
7/31/18	<11	400.49	212.84	76.23	<11	588.32	<11	<11	1279.88
8/31/18	<11	399.4	215.69	74	<11	586	<11	<11	1277.09
9/30/18	<11	396.7	213.4	74.63	<11	586	<11	<11	1272.73
10/31/18	<11	399.03	213.84	69.29	<11	589.93	<11	<11	1274.09
11/30/18	<11	393.16	216.2	64.96	<11	589.74	<11	<11	1266.06
12/31/18	<11	382.55	214.84	64.52	<11	588.26	<11	<11	1252.17

As can be seen, there were no PC2684 or SVP patients at DSH-Napa during this time. Additionally, the numbers of DJJ's and MDSO's were too few to allow conclusions to be drawn about violence trends, and so will not be presented.

Rates of Violence at DSH-Napa

Yearly Rates

Figure D.1
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Napa



- ▶ While percentages vary across different legal classes, overall, in 2018 the number of patient on patient assaults increased 14.8% from the 2017 total (see Table D.2), while the number of patient on staff assaults decreased by 2.9% from 2017 (see Table D.3).
- ▶ Coupled with a population decrease (measured in “total patient days”) in 2018 of 1.9%, the rate of patient on patient assault increased 12.6% from 2017 (see Table D.2), while the rate of patient on staff assault decreased 4.8% from 2017 (see Table D.3).

The following tables provide a yearly summary of the year-over-year changes in the assault rates.

Table D.2
DSH-Napa Yearly A2 Patient on Patient Assault Summary

YEAR	A2 PATIENT ON PATIENT ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	1317	427035	3.084	NA
2011	1037	430428	2.409	-21.9
2012	1075	441062	2.437	1.2
2013	999	437112	2.285	-6.2
2014	939	433562	2.166	-5.2
2015	1054	439490	2.398	10.7
2016	1052	457470	2.3	-4.1
2017	1145	456309	2.509	9.1
2018	1314	465118	2.825	12.6

Table D.3
DSH-Napa Yearly A4 Patient on Staff Assault Summary

YEAR	A4 PATIENT ON STAFF ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	867	427035	2.03	NA
2011	775	430428	1.801	-11.3
2012	1049	441062	2.378	32
2013	866	437112	1.981	-16.7
2014	880	433562	2.03	2.5
2015	886	439490	2.016	-0.7
2016	962	457470	2.103	4.3
2017	1205	456309	2.641	25.6
2018	1169	465118	2.513	-4.8

The following chart and table provide further information into the types of staff assaults (Physical Contact-Made and Physical Contact-Attempted), information that has routinely been collected on staff assaults since 2016.

Figure D.2
Yearly Rates of Staff Assault, Contact Made or Attempted, per 1000 Patient Days, at DSH-Napa

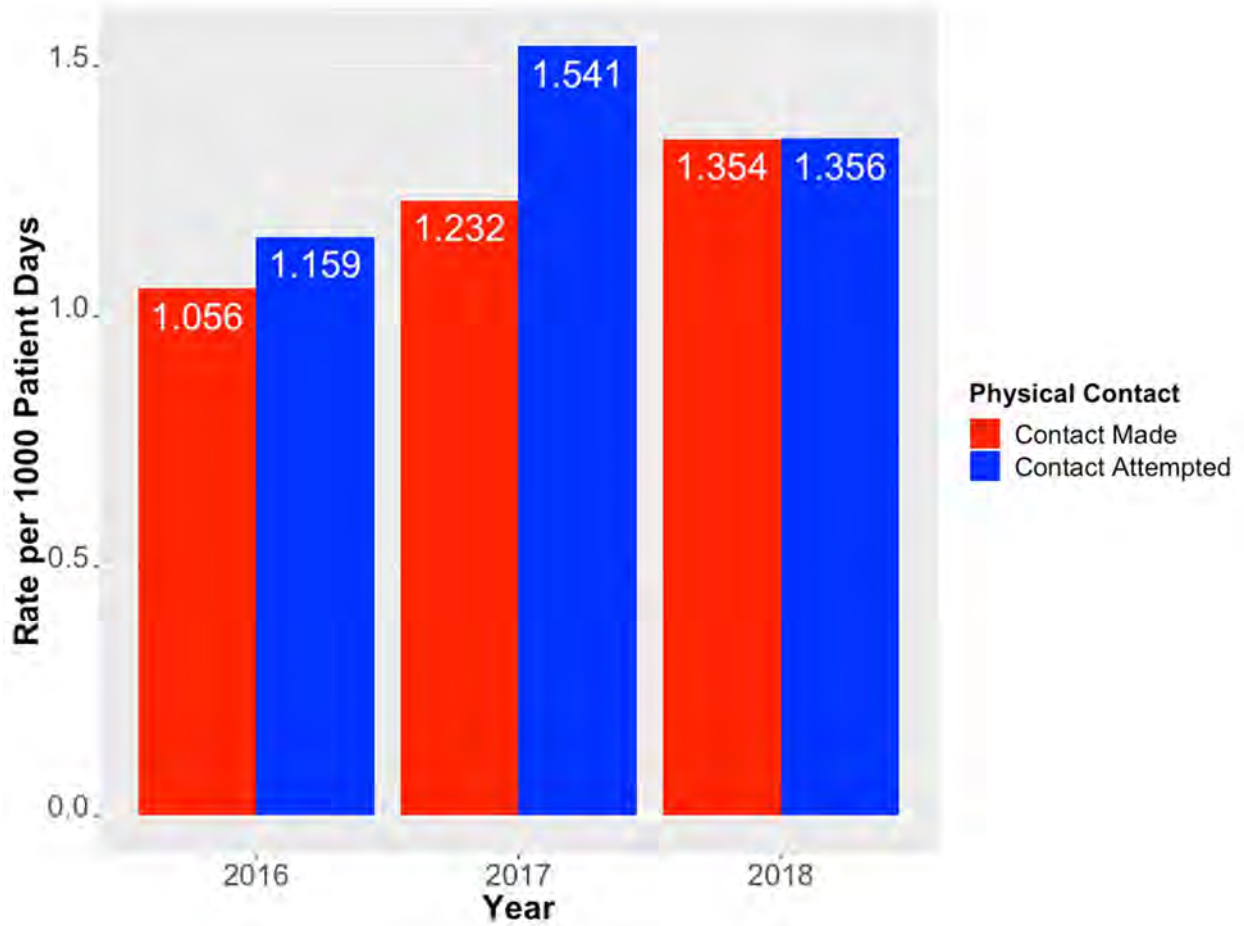


Table D.4
DSH – Napa Staff Assaults – Physical Contact Made and Contact Attempted

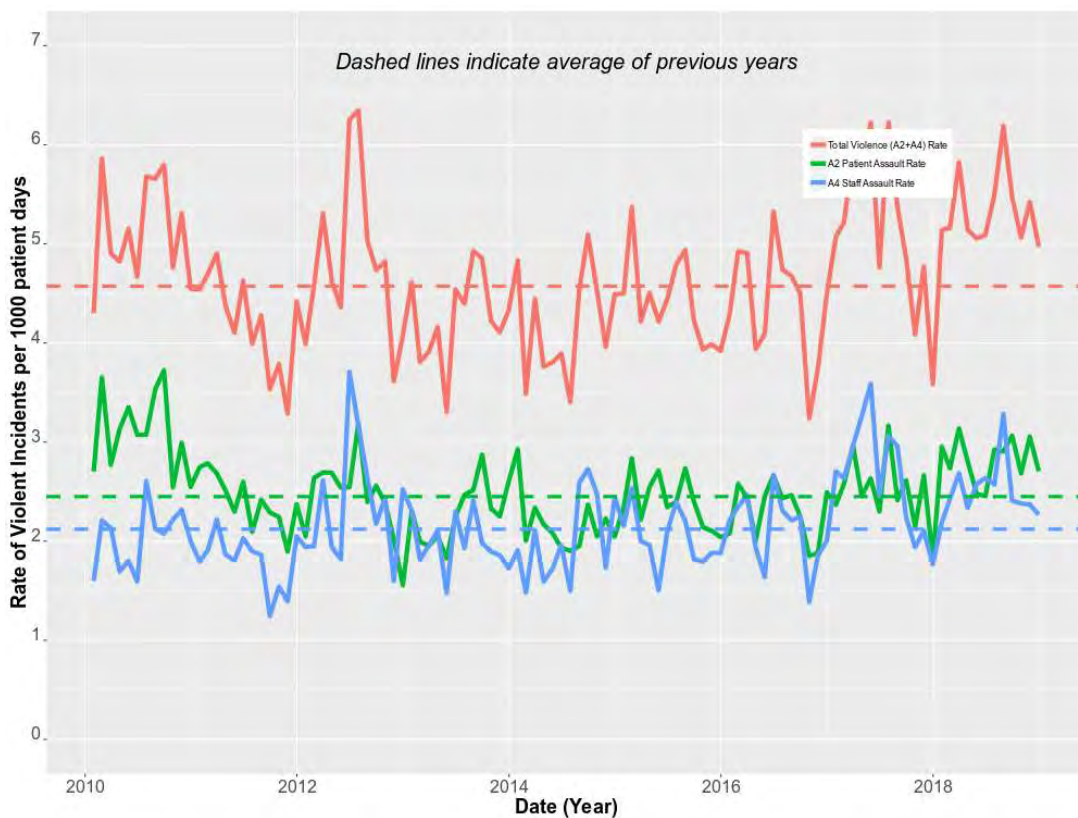
Year	Physical Contact	Count	Total Patient Days	Rate	% Change
2016	Contact Made	451	427041	1.056	NA
2016	Contact Attempted	495	427041	1.159	NA
2017	Contact Made	529	429536	1.232	16.6
2017	Contact Attempted	662	429536	1.541	33
2018	Contact Made	575	424745	1.354	9.9
2018	Contact Attempted	576	424745	1.356	-12

As seen in the table and graph above, the category of “Physical Contact Made” increased by a rate of 9.9%, while the category of “Physical Contact Attempted” decreased by 12.0%. So while the overall rate of staff assaults decreased by 4.8%, the subcategory of assaults on staff where physical contact was made increased by 9.9%.

Monthly Rates

The previous barplot (Fig. D.1) showed the violence rates as an overall yearly average and did not show the monthly variability in the rates that occurs regularly. Two figures are shown below, the first being a plot of the violence rates on a monthly basis (Fig. D.3), and the second (Fig. D.4) showing the violence rates for each month averaged over the six months before and after each month, to create a “smoothed” plot (much like you would see in a financial article, where daily results are “smoothed” to better discern trends over time). See [Appendix H](#) for more details of this method.

Figure D.3
DSH-Napa Monthly Rates of Violence per 1000 Patient Days



Trend of Monthly Rates

Figure D.4
DSH-Napa Trends of Monthly Rates of Violence per 1000 Patient Days

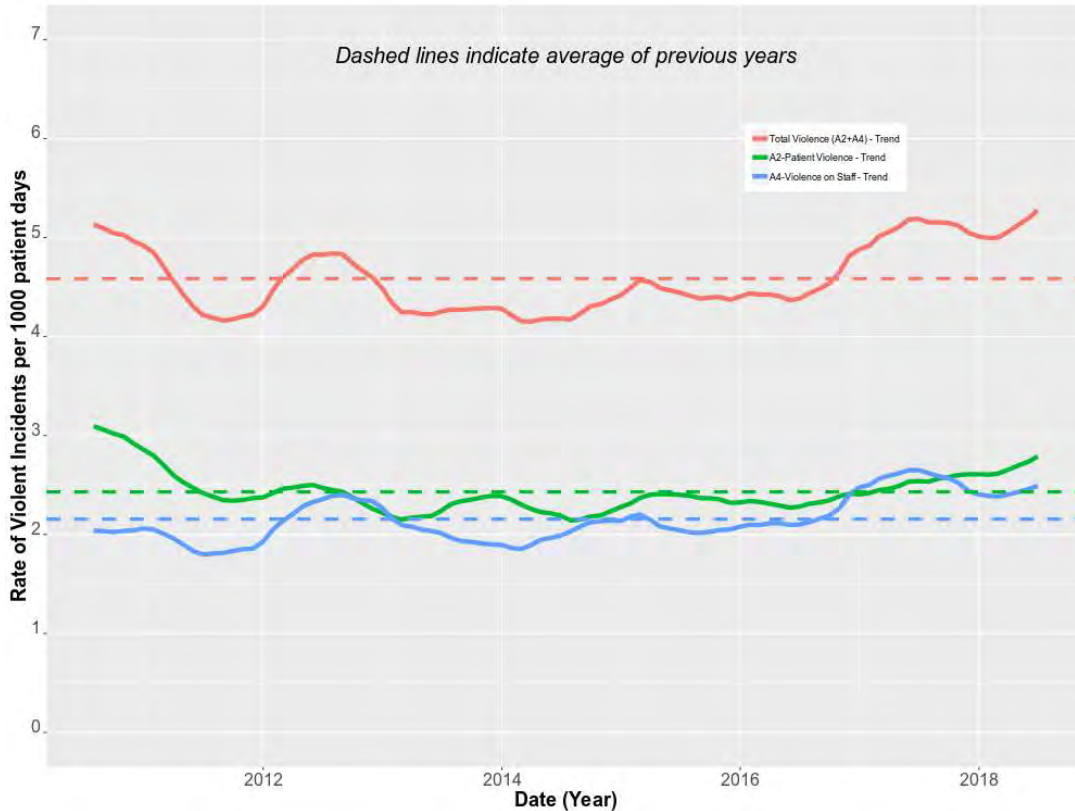


Figure D.4 shows the trend of the monthly violence rates (patient on patient assault, patient on staff assault, and total patient on patient and patient on staff assault) for DSH-Napa. The dashed lines indicate the previous years (2010-2017) average rate for each category, for comparison with 2018. Again, for more details on the methodology of trending the monthly rates data, please refer to [Appendix H](#).

Table D.5 provides a yearly summary of the year-over-year changes in the assault rates.

Table D.5
DSH-Napa Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	2.703	1.600	4.302
2/28/10	3.651	2.209	5.860
3/31/10	2.770	2.133	4.904
4/30/10	3.128	1.693	4.822
5/31/10	3.351	1.800	5.151
6/30/10	3.073	1.593	4.667
7/31/10	3.075	2.604	5.679
8/31/10	3.533	2.125	5.658
9/30/10	3.724	2.075	5.799
10/31/10	2.544	2.216	4.760
11/30/10	2.993	2.315	5.308
12/31/10	2.547	1.999	4.547
1/31/11	2.747	1.795	4.541
2/28/11	2.785	1.907	4.692
3/31/11	2.684	2.218	4.902
4/30/11	2.514	1.864	4.378
5/31/11	2.298	1.805	4.103
6/30/11	2.600	2.029	4.629
7/31/11	2.093	1.898	3.991
8/31/11	2.418	1.862	4.279
9/30/11	2.290	1.244	3.534
10/31/11	2.245	1.541	3.786
11/30/11	1.896	1.394	3.290
12/31/11	2.372	2.048	4.420
1/31/12	2.049	1.941	3.990
2/29/12	2.638	1.950	4.588
3/31/12	2.694	2.613	5.307
4/30/12	2.690	1.941	4.630
5/31/12	2.542	1.819	4.361
6/30/12	2.545	3.707	6.253
7/31/12	3.187	3.161	6.348
8/31/12	2.395	2.634	5.029
9/30/12	2.560	2.175	4.735
10/31/12	2.385	2.439	4.824
11/30/12	2.014	1.601	3.615
12/31/12	1.556	2.522	4.079
1/31/13	2.307	2.307	4.613

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/13	1.993	1.814	3.807
3/31/13	1.956	1.956	3.911
4/30/13	2.053	2.108	4.161
5/31/13	1.826	1.477	3.303
6/30/13	2.242	2.298	4.540
7/31/13	2.467	1.931	4.397
8/31/13	2.517	2.410	4.927
9/30/13	2.873	1.980	4.853
10/31/13	2.328	1.895	4.222
11/30/13	2.250	1.857	4.107
12/31/13	2.604	1.727	4.331
1/31/14	2.928	1.906	4.833
2/28/14	2.006	1.482	3.488
3/31/14	2.337	2.111	4.448
4/30/14	2.170	1.591	3.761
5/31/14	2.080	1.724	3.805
6/30/14	1.932	1.960	3.893
7/31/14	1.902	1.500	3.403
8/31/14	1.951	2.592	4.543
9/30/14	2.368	2.726	5.094
10/31/14	2.049	2.475	4.525
11/30/14	2.228	1.733	3.961
12/31/14	2.046	2.444	4.490
1/31/15	2.343	2.156	4.499
2/28/15	2.835	2.537	5.372
3/31/15	2.217	2.001	4.217
4/30/15	2.547	1.959	4.506
5/31/15	2.713	1.504	4.217
6/30/15	2.344	2.096	4.440
7/31/15	2.397	2.397	4.794
8/31/15	2.734	2.203	4.938
9/30/15	2.399	1.820	4.219
10/31/15	2.141	1.793	3.935
11/30/15	2.104	1.882	3.986
12/31/15	2.041	1.880	3.921
1/31/16	2.078	2.212	4.290
2/29/16	2.577	2.347	4.924
3/31/16	2.441	2.467	4.907
4/30/16	2.010	1.931	3.941
5/31/16	2.455	1.637	4.092
6/30/16	2.663	2.663	5.325
7/31/16	2.434	2.307	4.740

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
8/31/16	2.464	2.210	4.674
9/30/16	2.251	2.251	4.501
10/31/16	1.850	1.388	3.238
11/30/16	1.882	1.856	3.738
12/31/16	2.493	2.005	4.498
1/31/17	2.369	2.703	5.072
2/28/17	2.579	2.636	5.215
3/31/17	2.964	2.964	5.928
4/30/17	2.457	3.259	5.716
5/31/17	2.633	3.588	6.222
6/30/17	2.301	2.462	4.763
7/31/17	3.164	3.060	6.224
8/31/17	2.414	2.959	5.373
9/30/17	2.614	2.240	4.854
10/31/17	2.146	1.939	4.086
11/30/17	2.665	2.105	4.770
12/31/17	1.817	1.766	3.583
1/31/18	2.951	2.188	5.139
2/28/18	2.734	2.428	5.162
3/31/18	3.136	2.685	5.821
4/30/18	2.805	2.337	5.142
5/31/18	2.477	2.578	5.054
6/30/18	2.455	2.637	5.092
7/31/18	2.924	2.571	5.495
8/31/18	2.905	3.284	6.188
9/30/18	3.064	2.410	5.474
10/31/18	2.684	2.380	5.064
11/30/18	3.054	2.370	5.424
12/31/18	2.705	2.267	4.972

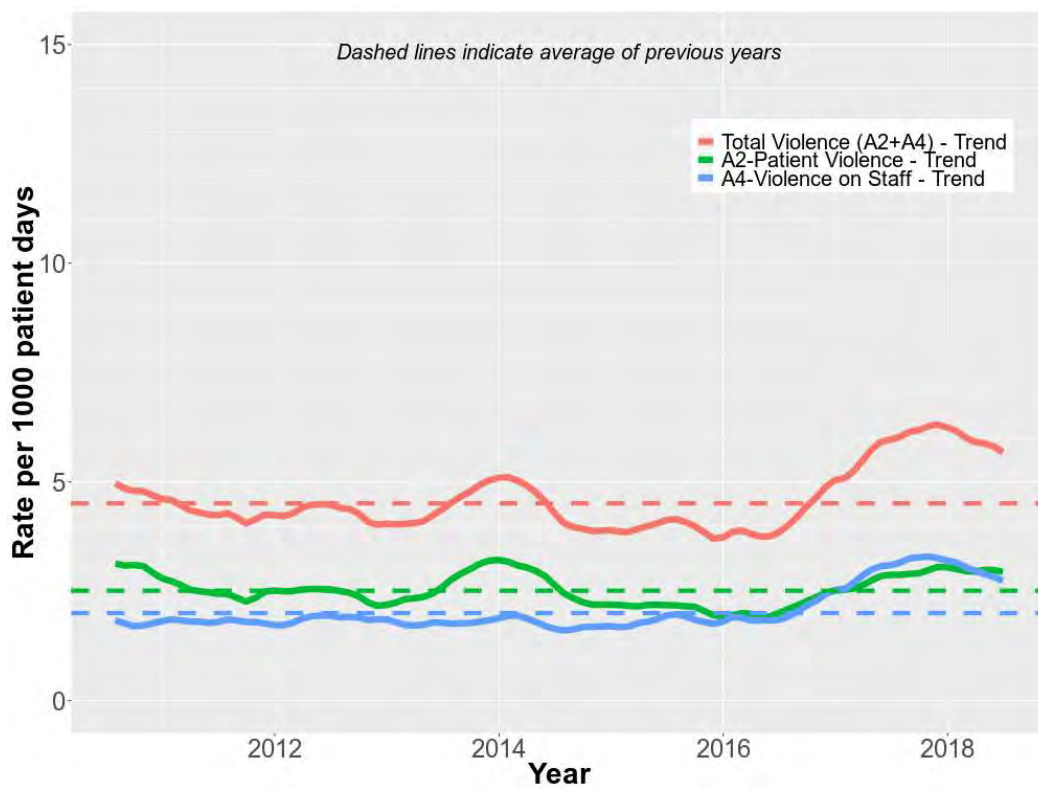
Violence Rates by Major Legal Classes

DSH-Napa IST's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure D.5
Trends of Monthly Rates of Violence for IST's at DSH-Napa



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure D.6
Monthly Rates of Violence for IST's at DSH-Napa

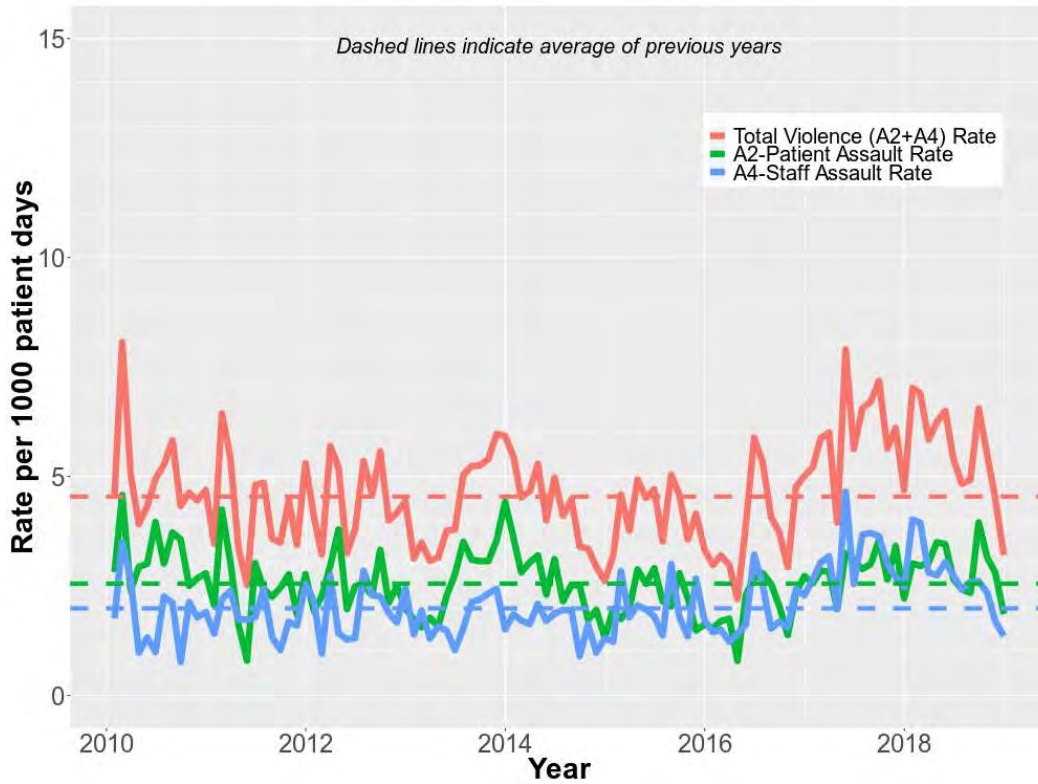


Table D.6
DSH-Napa IST Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	2.815	1.759	4.574
2/28/10	4.572	3.497	8.069
3/31/10	2.404	2.645	5.049
4/30/10	2.932	0.977	3.910
5/31/10	3.009	1.324	4.333
6/30/10	3.956	0.989	4.946
7/31/10	3.012	2.259	5.272
8/31/10	3.718	2.107	5.825
9/30/10	3.561	0.763	4.323
10/31/10	2.502	2.127	4.629
11/30/10	2.672	1.781	4.453
12/31/10	2.788	1.901	4.689
1/31/11	2.053	1.411	3.464
2/28/11	4.240	2.193	6.434
3/31/11	3.052	2.388	5.440
4/30/11	1.609	1.743	3.353
5/31/11	0.796	1.725	2.521
6/30/11	3.019	1.784	4.803
7/31/11	2.428	2.428	4.855
8/31/11	2.251	1.324	3.576
9/30/11	2.455	1.034	3.489
10/31/11	2.764	1.682	4.447
11/30/11	1.840	1.595	3.435
12/31/11	2.767	2.536	5.303
1/31/12	1.925	2.151	4.076
2/29/12	2.267	0.955	3.222
3/31/12	2.959	2.732	5.691
4/30/12	3.787	1.420	5.206
5/31/12	1.972	1.276	3.248
6/30/12	2.495	1.307	3.802
7/31/12	2.505	2.846	5.351
8/31/12	2.290	2.290	4.581
9/30/12	3.319	2.252	5.571
10/31/12	2.117	1.882	3.999
11/30/12	2.499	1.666	4.166
12/31/12	1.983	2.449	4.431
1/31/13	1.737	1.390	3.127
2/28/13	1.551	1.939	3.490

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
3/31/13	1.771	1.299	3.070
4/30/13	1.574	1.574	3.148
5/31/13	2.277	1.480	3.757
6/30/13	2.757	1.034	3.790
7/31/13	3.505	1.533	5.038
8/31/13	3.100	2.138	5.238
9/30/13	3.063	2.188	5.251
10/31/13	3.069	2.329	5.398
11/30/13	3.539	2.433	5.973
12/31/13	4.416	1.508	5.924
1/31/14	3.595	1.852	5.447
2/28/14	2.811	1.711	4.522
3/31/14	3.036	1.626	4.662
4/30/14	3.195	2.093	5.289
5/31/14	2.300	1.700	4.001
6/30/14	3.110	1.866	4.977
7/31/14	2.148	1.953	4.101
8/31/14	2.525	1.942	4.467
9/30/14	2.500	0.900	3.400
10/31/14	1.721	1.626	3.347
11/30/14	1.955	0.977	2.932
12/31/14	1.309	1.309	2.619
1/31/15	1.975	1.223	3.198
2/28/15	1.748	2.840	4.588
3/31/15	1.981	1.783	3.764
4/30/15	2.877	2.055	4.932
5/31/15	2.548	1.960	4.507
6/30/15	2.904	1.803	4.707
7/31/15	2.150	1.368	3.519
8/31/15	2.033	3.001	5.034
9/30/15	2.789	1.793	4.582
10/31/15	2.216	1.349	3.565
11/30/15	1.481	2.666	4.148
12/31/15	1.618	1.713	3.331
1/31/16	1.537	1.441	2.978
2/29/16	1.697	1.497	3.194
3/31/16	1.751	1.225	2.976
4/30/16	0.792	1.408	2.200
5/31/16	2.301	1.619	3.921
6/30/16	2.675	3.210	5.885
7/31/16	2.789	2.535	5.324

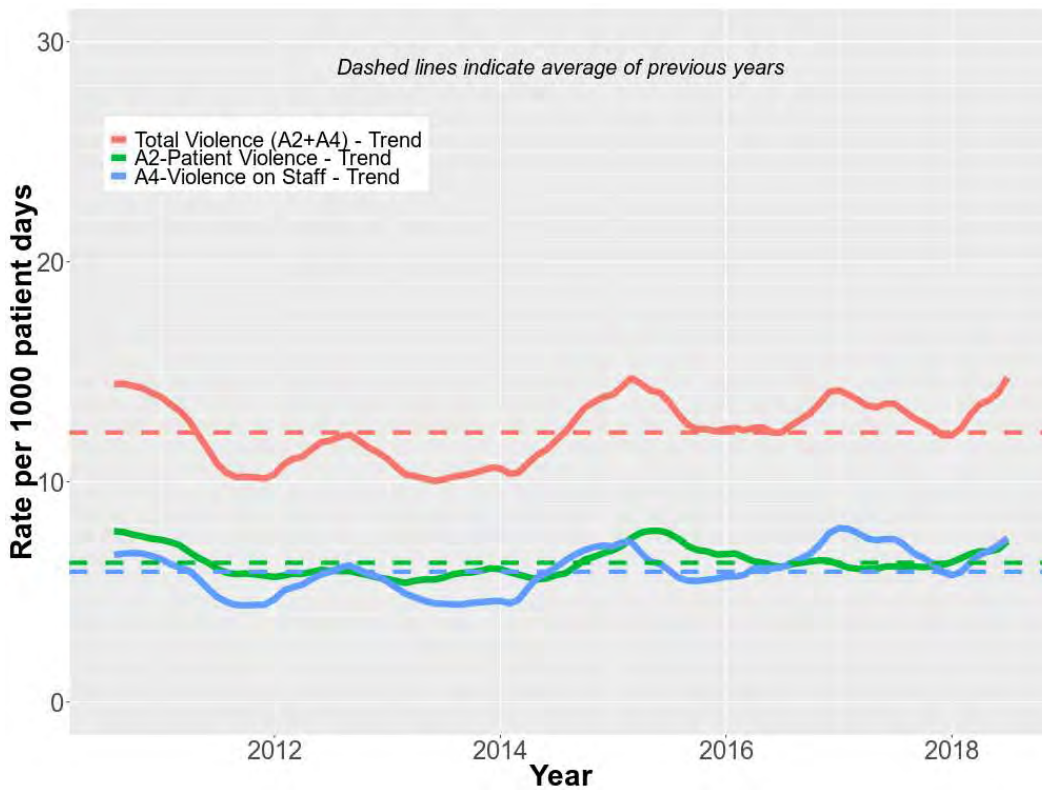
DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
8/31/16	2.542	1.525	4.068
9/30/16	2.039	1.685	3.724
10/31/16	1.380	1.553	2.933
11/30/16	2.335	2.425	4.761
12/31/16	2.723	2.284	5.006
1/31/17	2.563	2.651	5.214
2/28/17	2.841	3.030	5.871
3/31/17	2.830	3.174	6.004
4/30/17	1.974	1.974	3.948
5/31/17	3.245	4.649	7.894
6/30/17	3.088	2.543	5.631
7/31/17	2.883	3.669	6.553
8/31/17	3.001	3.708	6.709
9/30/17	3.546	3.637	7.182
10/31/17	2.644	2.996	5.640
11/30/17	3.413	2.694	6.107
12/31/17	2.216	2.471	4.687
1/31/18	3.011	4.014	7.025
2/28/18	2.956	3.941	6.897
3/31/18	3.041	2.801	5.841
4/30/18	3.495	2.746	6.241
5/31/18	3.453	3.042	6.494
6/30/18	2.649	2.735	5.384
7/31/18	2.416	2.416	4.833
8/31/18	2.342	2.584	4.927
9/30/18	3.949	2.605	6.554
10/31/18	3.153	2.344	5.497
11/30/18	2.798	1.696	4.493
12/31/18	1.855	1.349	3.204

DSH-Napa LPS's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure D.7
Trends of Monthly Rates of Violence for LPS's at DSH-Napa



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure D.8
Monthly Rates of Violence for LPS's at DSH-Napa

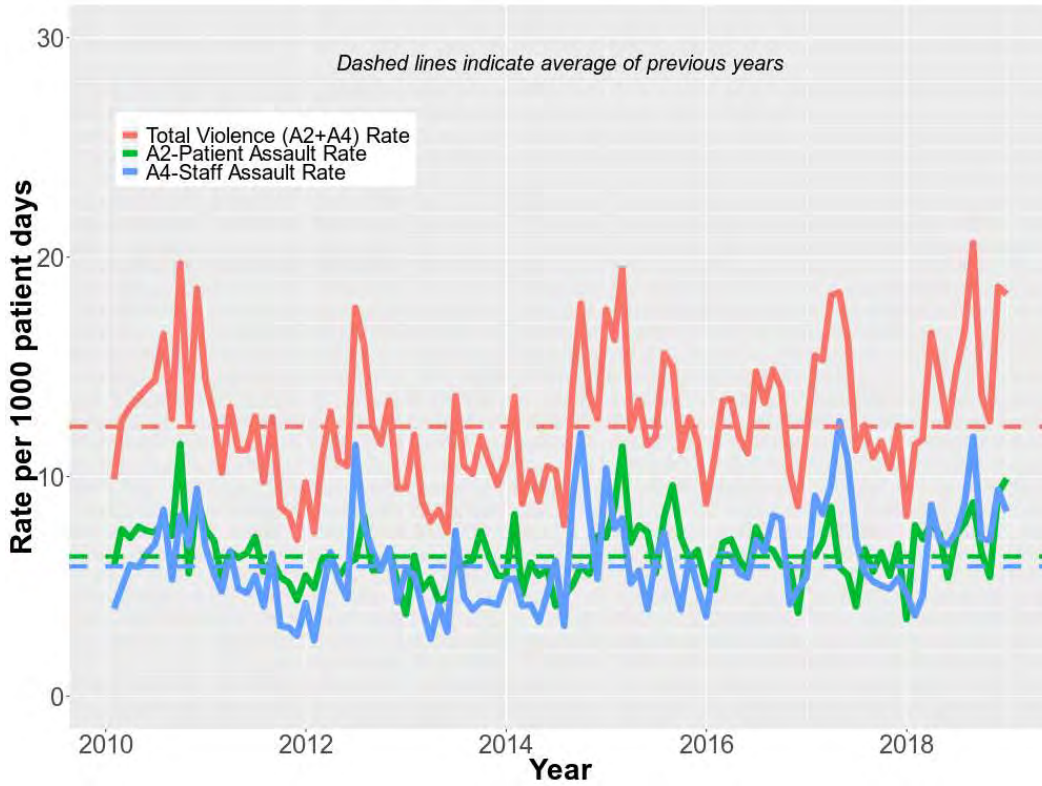


Table D.7
DSH-Napa LPS Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	5.889	3.984	9.874
2/28/10	7.602	4.941	12.543
3/31/10	7.209	5.979	13.188
4/30/10	7.726	5.887	13.613
5/31/10	7.532	6.505	14.036
6/30/10	7.456	6.936	14.392
7/31/10	7.993	8.493	16.486
8/31/10	7.314	5.319	12.633
9/30/10	11.484	8.228	19.712
10/31/10	5.599	6.879	12.478
11/30/10	9.117	9.448	18.565
12/31/10	7.593	6.802	14.394
1/31/11	7.079	5.573	12.653
2/28/11	5.419	4.762	10.181
3/31/11	6.594	6.594	13.187
4/30/11	6.307	4.888	11.195
5/31/11	6.516	4.698	11.214
6/30/11	7.255	5.481	12.736
7/31/11	5.673	4.097	9.770
8/31/11	6.190	6.500	12.690
9/30/11	5.423	3.190	8.612
10/31/11	5.166	3.131	8.297
11/30/11	4.375	2.754	7.129
12/31/11	5.499	4.242	9.741
1/31/12	4.921	2.540	7.460
2/29/12	6.241	4.598	10.839
3/31/12	6.405	6.554	12.960
4/30/12	5.437	5.286	10.723
5/31/12	6.032	4.452	10.484
6/30/12	6.240	11.440	17.679
7/31/12	8.229	7.804	16.033
8/31/12	5.750	6.612	12.362
9/30/12	5.741	5.741	11.482
10/31/12	6.730	6.730	13.459
11/30/12	5.182	4.294	9.476
12/31/12	3.733	5.743	9.476
1/31/13	6.391	5.519	11.910

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/13	4.845	4.037	8.882
3/31/13	5.355	2.605	7.959
4/30/13	4.315	4.167	8.482
5/31/13	4.536	2.927	7.463
6/30/13	6.148	7.532	13.680
7/31/13	5.991	4.493	10.484
8/31/13	6.199	3.931	10.130
9/30/13	7.514	4.317	11.831
10/31/13	6.353	4.288	10.642
11/30/13	5.479	4.151	9.630
12/31/13	5.467	5.306	10.773
1/31/14	8.283	5.360	13.643
2/28/14	4.653	4.116	8.769
3/31/14	6.085	4.163	10.248
4/30/14	5.490	3.391	8.881
5/31/14	5.779	4.685	10.464
6/30/14	4.110	6.165	10.275
7/31/14	4.585	3.210	7.795
8/31/14	5.058	9.044	14.102
9/30/14	5.908	11.975	17.883
10/31/14	5.557	8.182	13.739
11/30/14	7.292	5.348	12.640
12/31/14	7.229	10.372	17.602
1/31/15	8.584	7.648	16.232
2/28/15	11.370	8.096	19.466
3/31/15	6.991	5.127	12.117
4/30/15	7.774	5.712	13.486
5/31/15	7.473	3.965	11.438
6/30/15	5.604	6.227	11.831
7/31/15	8.176	7.433	15.609
8/31/15	9.601	5.401	15.002
9/30/15	7.242	3.936	11.178
10/31/15	6.269	6.422	12.691
11/30/15	6.652	4.950	11.603
12/31/15	5.141	3.629	8.769
1/31/16	4.848	6.060	10.907
2/29/16	6.978	6.479	13.457
3/31/16	7.148	6.388	13.536
4/30/16	6.197	5.593	11.790
5/31/16	5.679	5.388	11.067
6/30/16	7.688	7.096	14.784
7/31/16	6.828	6.543	13.371

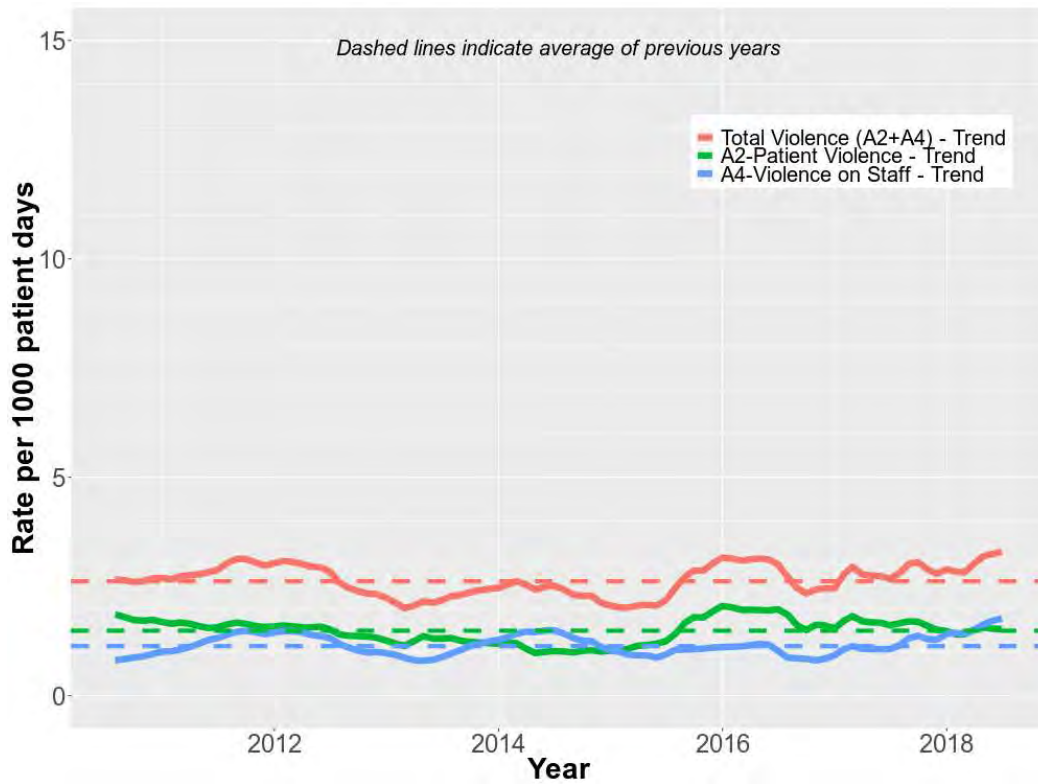
DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
8/31/16	6.645	8.233	14.878
9/30/16	5.944	8.078	14.022
10/31/16	5.989	4.192	10.181
11/30/16	3.794	4.857	8.651
12/31/16	6.576	5.407	11.983
1/31/17	6.376	9.129	15.505
2/28/17	7.021	8.297	15.318
3/31/17	8.614	9.636	18.251
4/30/17	5.881	12.515	18.396
5/31/17	5.520	10.750	16.270
6/30/17	4.084	7.109	11.193
7/31/17	6.695	5.654	12.349
8/31/17	5.671	5.223	10.894
9/30/17	6.559	5.034	11.592
10/31/17	5.487	4.894	10.381
11/30/17	6.918	5.380	12.298
12/31/17	3.520	4.693	8.212
1/31/18	7.784	3.672	11.455
2/28/18	7.159	4.556	11.715
3/31/18	7.830	8.716	16.546
4/30/18	7.410	7.101	14.511
5/31/18	5.401	6.901	12.301
6/30/18	7.325	7.481	14.807
7/31/18	7.881	8.791	16.672
8/31/18	8.824	11.816	20.640
9/30/18	6.560	7.185	13.746
10/31/18	5.431	7.090	12.521
11/30/18	9.251	9.405	18.656
12/31/18	9.910	8.408	18.318

DSH-Napa OMD's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure D.9
Trends of Monthly Rates of Violence for OMD's at DSH-Napa



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure D.10
Monthly Rates of Violence for OMD's at DSH-Napa

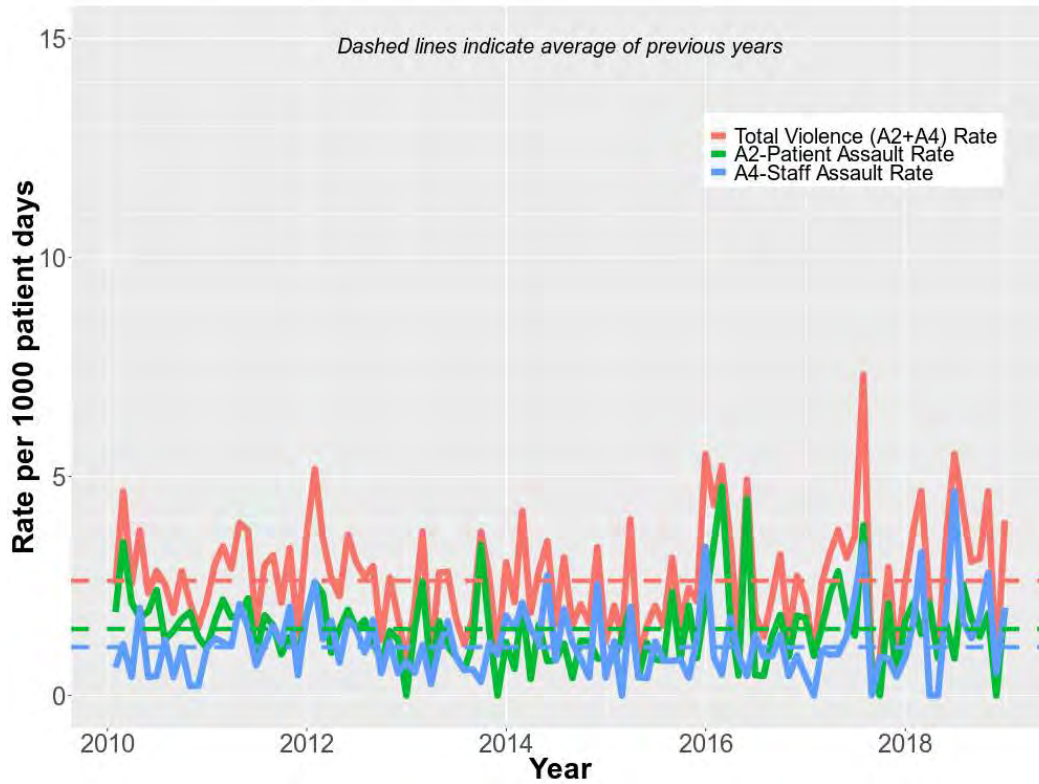


Table D.8
DSH-Napa OMD Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	1.902	0.634	2.536
2/28/10	3.497	1.166	4.663
3/31/10	2.117	0.423	2.541
4/30/10	1.774	1.996	3.769
5/31/10	1.914	0.425	2.339
6/30/10	2.405	0.437	2.843
7/31/10	1.268	1.268	2.537
8/31/10	1.471	0.420	1.892
9/30/10	1.746	1.091	2.837
10/31/10	1.900	0.211	2.111
11/30/10	1.325	0.221	1.546
12/31/10	1.079	1.079	2.157
1/31/11	1.726	1.295	3.021
2/28/11	2.186	1.214	3.401
3/31/11	1.783	1.114	2.897
4/30/11	1.851	2.083	3.934
5/31/11	2.212	1.549	3.761
6/30/11	0.917	0.687	1.604
7/31/11	1.827	1.142	2.969
8/31/11	1.599	1.599	3.197
9/30/11	0.939	1.174	2.114
10/31/11	1.345	2.017	3.362
11/30/11	0.928	0.464	1.392
12/31/11	1.825	1.825	3.650
1/31/12	2.580	2.580	5.159
2/29/12	2.315	1.286	3.601
3/31/12	0.974	1.704	2.678
4/30/12	1.508	0.754	2.262
5/31/12	1.956	1.711	3.667
6/30/12	1.522	1.522	3.045
7/31/12	1.723	0.985	2.708
8/31/12	1.230	1.722	2.953
9/30/12	0.760	0.507	1.267
10/31/12	1.467	1.222	2.689
11/30/12	1.279	0.512	1.791
12/31/12	0.000	0.769	0.769
1/31/13	1.560	0.520	2.080
2/28/13	2.591	1.151	3.742

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
3/31/13	0.523	0.261	0.784
4/30/13	1.683	1.122	2.805
5/31/13	1.127	1.691	2.818
6/30/13	0.887	0.887	1.775
7/31/13	0.581	0.581	1.162
8/31/13	1.179	0.590	1.769
9/30/13	3.428	0.312	3.739
10/31/13	1.488	1.190	2.678
11/30/13	0.000	0.938	0.938
12/31/13	1.214	1.821	3.036
1/31/14	0.607	1.518	2.126
2/28/14	2.105	2.105	4.211
3/31/14	0.377	1.508	1.885
4/30/14	1.617	1.213	2.829
5/31/14	0.782	2.738	3.520
6/30/14	0.802	0.802	1.604
7/31/14	1.182	1.970	3.152
8/31/14	0.399	1.198	1.597
9/30/14	1.247	0.831	2.078
10/31/14	1.241	0.414	1.654
11/30/14	0.846	2.537	3.383
12/31/14	0.819	0.410	1.229
1/31/15	0.819	1.229	2.048
2/28/15	1.339	0.000	1.339
3/31/15	2.009	2.009	4.018
4/30/15	0.413	0.413	0.825
5/31/15	1.195	0.398	1.593
6/30/15	0.818	1.227	2.045
7/31/15	0.796	0.796	1.591
8/31/15	2.360	0.787	3.147
9/30/15	0.822	0.822	1.644
10/31/15	2.046	0.409	2.455
11/30/15	0.858	1.288	2.146
12/31/15	2.120	3.391	5.511
1/31/16	3.478	0.870	4.348
2/29/16	4.764	0.476	5.241
3/31/16	1.775	1.775	3.551
4/30/16	0.458	0.916	1.374
5/31/16	4.480	0.448	4.928
6/30/16	0.463	1.389	1.852
7/31/16	0.447	0.894	1.340

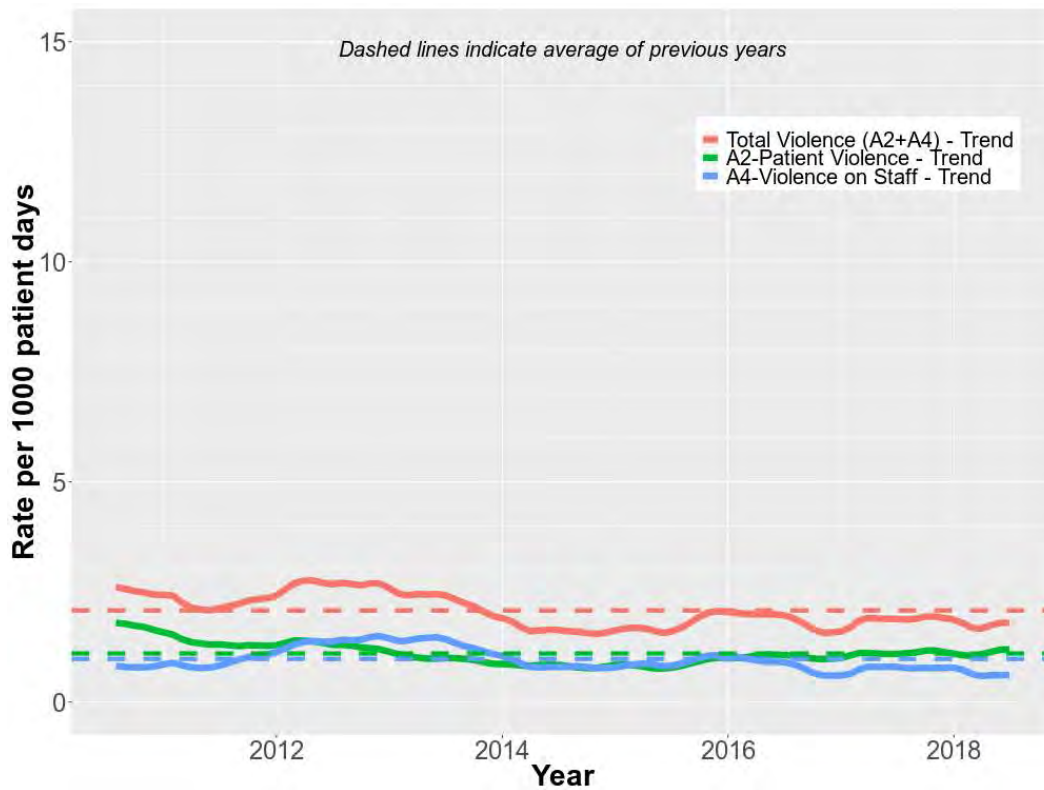
DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
8/31/16	1.350	0.900	2.249
9/30/16	1.838	1.379	3.217
10/31/16	0.887	0.443	1.330
11/30/16	1.821	0.910	2.731
12/31/16	1.768	0.442	2.209
1/31/17	0.906	0.000	0.906
2/28/17	1.526	1.017	2.543
3/31/17	2.318	0.927	3.245
4/30/17	2.833	0.944	3.777
5/31/17	1.795	1.346	3.140
6/30/17	1.364	2.274	3.638
7/31/17	3.878	3.447	7.324
8/31/17	0.425	0.000	0.425
9/30/17	0.000	0.866	0.866
10/31/17	2.095	0.838	2.933
11/30/17	0.436	0.436	0.871
12/31/17	1.698	0.849	2.547
1/31/18	2.122	1.698	3.820
2/28/18	1.399	3.265	4.664
3/31/18	2.095	0.000	2.095
4/30/18	0.866	0.000	0.866
5/31/18	1.640	2.050	3.690
6/30/18	0.847	4.659	5.506
7/31/18	2.539	1.693	4.232
8/31/18	1.744	1.308	3.051
9/30/18	1.340	1.787	3.126
10/31/18	1.862	2.793	4.655
11/30/18	0.000	0.513	0.513
12/31/18	2.000	2.000	4.000

DSH-Napa NGRI's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure D.11
Trends of Monthly Rates of Violence for NGRI's at DSH-Napa



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure D.12
Monthly Rates of Violence for NGRI's at DSH-Napa

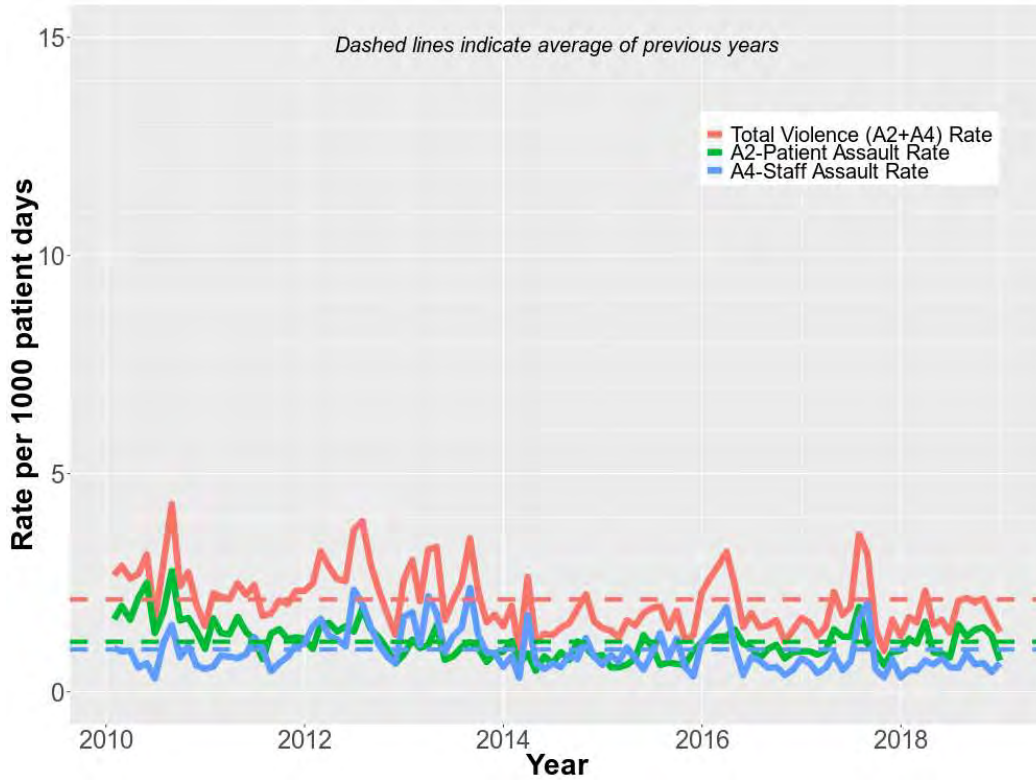


Table D.9
DSH-Napa NGRI Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	1.661	1.008	2.670
2/28/10	1.965	0.917	2.881
3/31/10	1.651	0.943	2.594
4/30/10	2.145	0.551	2.696
5/31/10	2.492	0.653	3.144
6/30/10	1.349	0.307	1.656
7/31/10	1.825	1.119	2.944
8/31/10	2.767	1.531	4.298
9/30/10	1.636	0.787	2.423
10/31/10	1.689	1.048	2.738
11/30/10	1.385	0.602	1.987
12/31/10	0.985	0.521	1.507
1/31/11	1.676	0.578	2.254
2/28/11	1.343	0.832	2.175
3/31/11	1.319	0.803	2.121
4/30/11	1.713	0.768	2.481
5/31/11	1.369	0.856	2.224
6/30/11	1.191	1.251	2.443
7/31/11	0.751	0.982	1.732
8/31/11	1.336	0.465	1.800
9/30/11	1.433	0.657	2.090
10/31/11	1.204	0.803	2.007
11/30/11	1.244	1.066	2.311
12/31/11	1.213	1.098	2.311
1/31/12	0.981	1.501	2.482
2/29/12	1.546	1.670	3.216
3/31/12	1.575	1.283	2.857
4/30/12	1.380	1.200	2.580
5/31/12	1.500	1.039	2.539
6/30/12	1.378	2.336	3.714
7/31/12	1.898	2.013	3.911
8/31/12	1.432	1.489	2.921
9/30/12	1.249	1.070	2.319
10/31/12	0.977	0.805	1.782
11/30/12	0.653	0.653	1.306
12/31/12	0.858	1.716	2.573
1/31/13	1.194	1.819	3.013
2/28/13	1.004	1.067	2.071

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
3/31/13	1.068	2.192	3.260
4/30/13	1.514	1.805	3.319
5/31/13	0.733	0.902	1.635
6/30/13	0.814	1.279	2.093
7/31/13	1.017	1.469	2.485
8/31/13	1.134	2.381	3.515
9/30/13	1.003	1.298	2.301
10/31/13	0.683	0.911	1.594
11/30/13	0.881	0.881	1.763
12/31/13	0.919	0.575	1.494
1/31/14	1.156	0.809	1.966
2/28/14	0.644	0.322	0.966
3/31/14	0.876	1.752	2.628
4/30/14	0.483	0.664	1.148
5/31/14	0.809	0.520	1.330
6/30/14	0.648	0.648	1.296
7/31/14	0.903	0.564	1.467
8/31/14	0.730	0.842	1.572
9/30/14	1.152	0.749	1.901
10/31/14	1.005	1.229	2.234
11/30/14	0.808	0.808	1.617
12/31/14	0.839	0.615	1.455
1/31/15	0.561	0.841	1.402
2/28/15	0.559	0.683	1.241
3/31/15	0.619	1.014	1.633
4/30/15	0.761	0.761	1.521
5/31/15	1.294	0.506	1.801
6/30/15	1.045	0.871	1.915
7/31/15	0.615	1.341	1.956
8/31/15	0.669	0.780	1.449
9/30/15	0.637	1.217	1.854
10/31/15	0.618	0.561	1.179
11/30/15	0.939	0.352	1.291
12/31/15	1.136	1.136	2.273
1/31/16	1.193	1.421	2.614
2/29/16	1.261	1.622	2.883
3/31/16	1.270	1.933	3.204
4/30/16	1.430	1.030	2.460
5/31/16	1.100	0.385	1.484
6/30/16	1.015	0.789	1.805
7/31/16	0.766	0.711	1.477
8/31/16	0.980	0.545	1.525

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
9/30/16	1.074	0.565	1.639
10/31/16	0.764	0.382	1.146
11/30/16	0.902	0.507	1.409
12/31/16	0.927	0.763	1.690
1/31/17	0.926	0.654	1.580
2/28/17	0.852	0.426	1.278
3/31/17	0.941	0.553	1.494
4/30/17	1.430	0.858	2.288
5/31/17	1.267	0.496	1.762
6/30/17	1.258	0.686	1.944
7/31/17	1.943	1.666	3.609
8/31/17	1.106	2.047	3.153
9/30/17	0.911	0.512	1.423
10/31/17	0.607	0.331	0.938
11/30/17	0.913	0.742	1.654
12/31/17	0.939	0.332	1.271
1/31/18	1.214	0.497	1.711
2/28/18	1.102	0.490	1.592
3/31/18	1.599	0.717	2.315
4/30/18	0.907	0.624	1.531
5/31/18	0.877	0.768	1.645
6/30/18	0.788	0.563	1.351
7/31/18	1.535	0.548	2.084
8/31/18	1.266	0.881	2.147
9/30/18	1.422	0.626	2.048
10/31/18	1.476	0.656	2.133
11/30/18	1.300	0.452	1.752
12/31/18	0.713	0.658	1.371

Appendix E: DSH-Patton

This section reviews and then further extends information presented earlier in this report.

In the first section, the overall hospital population, given as Average Daily Census (ADC) is given for each month during 2010-2018, broken down by legal class.

In the second section, the yearly rates of violence presented earlier are reviewed, and then in the following sections, the monthly rates of violence and trend of violence is given.

In the remaining sections, the rates of violence by each individual legal class in the hospital is given, for the major groups at each hospital (i.e., IST's, NGRI's, OMD's, LPS, and SVP's).

When a given legal class numbers less than 20 at a hospital (typically DJJ or MDSO's), the overall data is not presented, as the numbers are too small to draw conclusions about that legal class (i.e., acts of violence are more related to an individual patient or just a few patients than to the legal class as a whole).

Table E.1
DSH-Patton Monthly ADC, By Legal Commitment

DATE	DJJ	IST	LPS	OMD	MDSO	NGRI	PC2684	SVP	TOTAL POP.
1/31/10	<11	497.68	105.17	393.74	14.68	539.97	23.71	<11	1578.95
2/28/10	<11	502.75	103.86	396.89	13.36	541.4	21.36	<11	1583.69
3/31/10	<11	493.2	105.65	396.97	13	545.35	22.1	<11	1579.98
4/30/10	<11	499.57	105.17	399.23	13	545.63	26.9	<11	1593.5
5/31/10	<11	490.91	103.23	402.03	13	546.55	28.03	<11	1587.75
6/30/10	<11	487.1	103.37	404.3	13	547.93	26	<11	1584.77
7/31/10	<11	475.98	103.1	405	13	550.9	27.65	<11	1579.76
8/31/10	<11	474.94	101.1	405.97	13	552.71	27.94	<11	1579.69
9/30/10	<11	470.93	98.44	402	13	553.53	26.83	<11	1568.73
10/31/10	<11	461	101.61	400.03	13	557.38	22.45	<11	1559.95
11/30/10	<11	455.74	102.17	397.27	14.03	560.53	20.1	<11	1553.57
12/31/10	<11	450.22	100.68	400.32	15	563.06	20.97	<11	1553.25
1/31/11	<11	455.61	98.16	402.07	15	568.03	17.84	<11	1559.71
2/28/11	<11	451.37	98.36	401.6	15	562.32	15.32	<11	1546.97
3/31/11	<11	432.58	98.26	402.26	15	562.13	13.74	<11	1526.97
4/30/11	<11	432.96	95.73	397.53	15	560.54	16.83	<11	1522.46
5/31/11	<11	459.77	93.42	395.36	14.1	557.87	15.81	<11	1539.36
6/30/11	<11	458.87	96.06	392.07	14	559.2	13.5	<11	1536.9
7/31/11	<11	467.51	97.74	391.45	14	560.23	16.71	<11	1552.51
8/31/11	<11	460.77	97.23	394.78	14.45	560.75	17.68	<11	1549.66
9/30/11	<11	459.96	100.1	396.17	14.67	559.93	22.2	<11	1557.16
10/31/11	<11	456.87	101.26	394.58	14	562.9	23.06	<11	1557.28
11/30/11	<11	452	103.4	392.4	14	569.56	20.2	<11	1555.56
12/31/11	<11	451.65	104.81	391.9	14	565.87	21.48	<11	1553.71
1/31/12	<11	451.81	105.06	393.55	14	566.04	17.61	<11	1552.07
2/29/12	<11	464.83	105.51	392.82	14	562.38	15.83	<11	1560.13
3/31/12	<11	467.2	107.27	387.22	14	560.84	11.84	<11	1552.6
4/30/12	<11	478.13	109.53	384.97	14	556.4	<11	<11	1556.5
5/31/12	<11	480.29	110.49	383.55	14	557.29	<11	<11	1558.27
6/30/12	<11	479.37	111.33	382.01	14	559.86	11.6	<11	1561.97
7/31/12	<11	481.04	113.87	382.17	14	558.87	11.42	<11	1564.37
8/31/12	<11	485.42	114.83	382.77	13.29	557.93	<11	<11	1565.63
9/30/12	<11	486.17	114.67	382.6	13	562.57	<11	<11	1569.08
10/31/12	<11	488.77	113.1	379.78	13	565.77	<11	<11	1568.97
11/30/12	<11	479.47	114.77	381.03	13	565.9	<11	<11	1562.17
12/31/12	<11	476.35	115.71	380.39	13	566.75	<11	<11	1560.36
1/31/13	<11	485.1	117.39	379.42	13	567.71	<11	<11	1570.11

DATE	DJJ	IST	LPS	OMD	MD	NGR	PC2684	SVP	TOTAL POP.
2/28/13	<11	482.3	115.7	376.9	13	570.2	<11	<11	1565.21
3/31/13	<11	479.1	113.3	377.2	13	570.8	<11	<11	1560.57
4/30/13	<11	483.1	111.3	379.8	13	573.8	<11	<11	1568.15
5/31/13	<11	482.3	112.7	379.8	13	569.4	<11	<11	1563.81
6/30/13	<11	488.4	111.7	378.1	13	566.2	<11	<11	1564
7/31/13	<11	494	109.8	376.6	13	563.8	<11	<11	1563.96
8/31/13	<11	489.6	109.2	378.3	13	567.4	<11	<11	1563.81
9/30/13	<11	477.8	109.1	382.1	12.	569.6	<11	<11	1557.59
10/31/13	<11	474.9	108	378.7	12	576.9	<11	<11	1556.61
11/30/13	<11	479.6	106.5	372.0	12	574.9	<11	<11	1551.23
12/31/13	<11	482.1	104.1	371.3	12	572.3	<11	<11	1548.01
1/31/14	<11	481.9	103.2	373.2	12	573.2	<11	<11	1549.66
2/28/14	<11	484.5	102.3	375.3	12	573.5	<11	<11	1553.82
3/31/14	<11	493.5	105.2	368.7	12	575.2	<11	<11	1561.5
4/30/14	<11	505.2	106.0	357.2	12	578.3	<11	<11	1565.63
5/31/14	<11	505.8	105.4	355.5	12	579.4	<11	<11	1564.52
6/30/14	<11	515.9	102.0	342.3	12	576.1	<11	<11	1554.43
7/31/14	<11	525.5	102.2	335.3	12	574.2	<11	<11	1556.32
8/31/14	<11	522.3	104.6	330.6	12	573.2	<11	<11	1550.01
9/30/14	<11	527.6	106.3	324.6	12	574.1	<11	<11	1551.24
10/31/14	<11	523.9	108.6	325.6	12	578.3	<11	<11	1553.48
11/30/14	<11	525.6	111.2	314.4	12	577.3	<11	<11	1544.71
12/31/14	<11	524.6	111.1	314.2	12	577.1	<11	<11	1543.93
1/31/15	<11	520.3	111.6	316.3	12	580.8	<11	<11	1545.76
2/28/15	<11	517.8	113.9	314.2	11.	582.7	<11	<11	1544.57
3/31/15	<11	516.4	118.6	311.9	11	584.2	<11	<11	1546.29
4/30/15	<11	526.2	118.7	307.4	<11	581.4	<11	<11	1548.46
5/31/15	<11	544.4	117.8	296.2	<11	581.1	<11	<11	1551.75
6/30/15	<11	551.4	118.1	286.9	<11	584.6	<11	<11	1552.23
7/31/15	<11	560.9	117.1	283.5	<11	582.2	<11	<11	1554.9
8/31/15	<11	563.8	113.6	283.1	<11	579.1	<11	<11	1551.73
9/30/15	<11	566.2	113.5	284.5	<11	578.9	<11	<11	1554.69
10/31/15	<11	568.7	114.6	285.5	<11	571.6	<11	<11	1551.68
11/30/15	<11	572.1	116.7	282.6	<11	572.9	<11	<11	1555.54
12/31/15	<11	575.5	118.4	282.6	<11	575.1	<11	<11	1562.81
1/31/16	<11	576.3	120.4	283.1	<11	576	<11	<11	1566.93
2/29/16	<11	573	123.3	281.5	<11	574.7	<11	<11	1562.69
3/31/16	<11	586.4	119.1	280.6	<11	573.4	<11	<11	1569.4
4/30/16	<11	588.2	120.1	280.5	<11	571.2	<11	<11	1569.12
5/31/16	<11	588.5	117.2	282.3	<11	570.5	<11	<11	1567.67

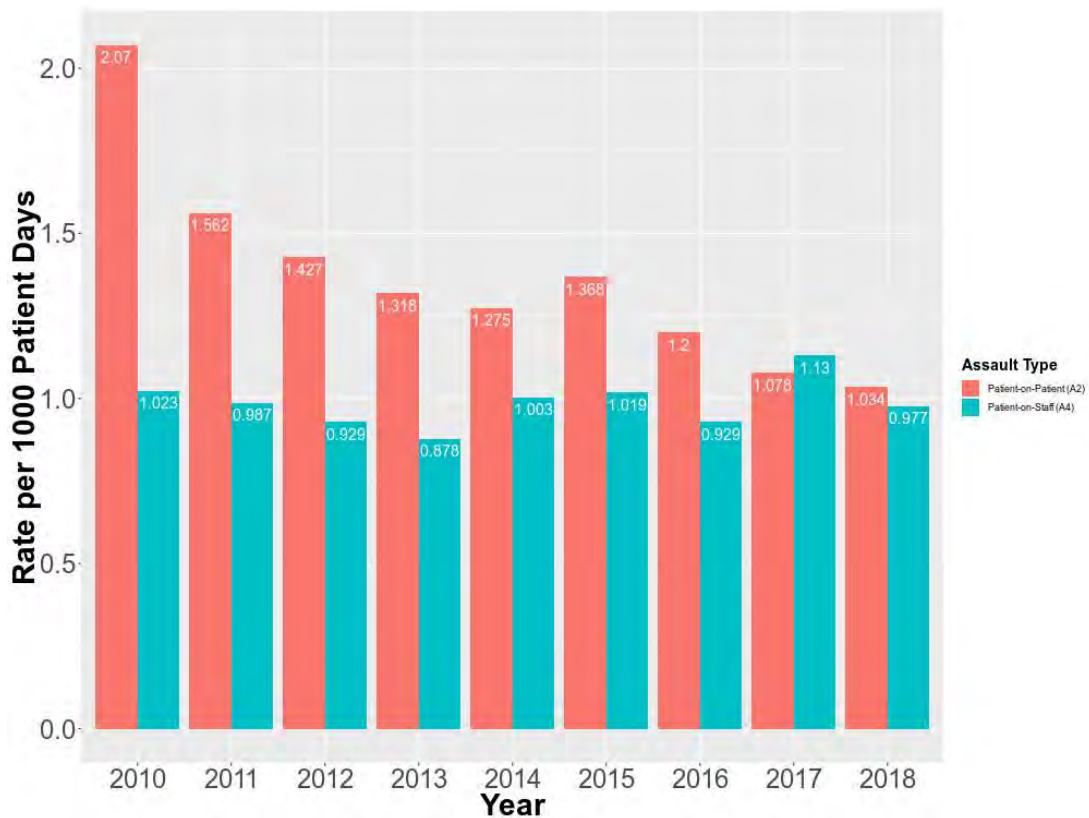
DATE	DJJ	IST	LPS	OMD	MDSO	NGRI	PC2684	SVP	TOTAL POP.
6/30/16	<11	588.13	114.66	283.83	<11	573	<11	<11	1567.92
7/31/16	<11	585.74	113.75	281.75	<11	572.49	<11	<11	1562.73
8/31/16	<11	586.68	113.86	280.55	<11	572.13	<11	<11	1562.32
9/30/16	<11	582.84	114.1	282.17	<11	571.47	<11	<11	1559.65
10/31/16	<11	591.97	110.49	280.09	<11	566.38	<11	<11	1557.93
11/30/16	<11	593.86	105.9	278.16	<11	565.44	<11	<11	1552.39
12/31/16	<11	597.93	108.12	276.06	<11	559	<11	<11	1551.14
1/31/17	<11	607.51	107.1	273.09	<11	554.97	<11	<11	1551.8
2/28/17	<11	608.47	105.89	274.64	<11	556.4	<11	<11	1554.44
3/31/17	<11	601.62	109.09	273.67	<11	556.93	<11	<11	1550.41
4/30/17	<11	590.46	115.33	276.87	<11	553.44	<11	<11	1546.23
5/31/17	<11	583.1	118.71	277.93	<11	551.2	<11	<11	1541
6/30/17	<11	582.27	121.9	280.83	<11	551.87	<11	<11	1547.11
7/31/17	<11	567.06	121.81	287.81	<11	556.13	<11	<11	1542.91
8/31/17	<11	562.77	121.52	290.25	<11	555.29	<11	<11	1549.09
9/30/17	<11	559.9	126.49	293.23	<11	559.07	<11	<11	1558.16
10/31/17	<11	542.76	129.48	298.84	<11	561.81	<11	<11	1553.24
11/30/17	<11	524.71	132.27	300.5	<11	559.69	<11	<11	1536.47
12/31/17	<11	525.54	130	305.29	<11	561.07	<11	<11	1538.48
1/31/18	<11	518.72	134.16	309.1	<11	562.42	<11	<11	1540.59
2/28/18	<11	501.6	138.14	313.25	<11	560.82	12.36	<11	1535.17
3/31/18	<11	492.35	139.68	307.94	<11	564.7	15.45	<11	1529.12
4/30/18	<11	483.22	141.83	307.17	<11	565.11	19.97	<11	1526.43
5/31/18	<11	481.76	139.07	306.42	<11	565.29	20.32	<11	1521.89
6/30/18	<11	478.82	139.84	309.06	<11	569.84	23.07	<11	1529.56
7/31/18	<11	477.42	143.8	305.19	<11	571.29	24.9	<11	1530.6
8/31/18	<11	485.78	148.13	303.88	<11	569.22	23.61	<11	1538.62
9/30/18	<11	484.8	153.7	298.77	<11	570.57	19.4	<11	1535.24
10/31/18	<11	473.65	158.07	292.22	<11	567.61	11.55	<11	1510.62
11/30/18	<11	484.1	163.9	289.6	<11	566.5	<11	<11	1520.9
12/31/18	<11	488.98	165.96	290.88	<11	569.61	<11	<11	1530.66

As can be seen the number of DJJ, MDSO, PC2684, and SVP patients were too few to allow conclusions to be drawn about violence trends, and so will not be presented.

Rates of Violence at DSH-Patton

Yearly Rates

Figure E.1
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Patton



- ▶▶ While percentages vary across different legal classes, overall, in 2018 the number of patient on patient assaults decreased 5.2% from the 2017 total (see Table E.2), while the number of patient on staff assaults decreased by 14.6% from 2017 (see Table E.3).
- ▶▶ Coupled with a population decrease (measured in “total patient days”) in 2018 of 1.2%, the rate of patient on patient assault decreased 4.1% from 2017 (see Table E.2), while the rate of patient on staff assault decreased 13.5% from 2017 (see Table E.3).

The following tables provide a yearly summary of the year-over-year changes in the assault rates.

Table E.2
DSH-Patton Yearly A2 Patient on Patient Assault Summary

YEAR	A2 PATIENT ON PATIENT ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	1190	574958	2.07	NA
2011	882	564493	1.562	-24.5
2012	815	571324	1.427	-8.6
2013	751	569788	1.318	-7.6
2014	723	567247	1.275	-3.3
2015	775	566388	1.368	7.3
2016	686	571873	1.2	-12.3
2017	609	564799	1.078	-10.2
2018	577	558112	1.034	-4.1

Table E.3
DSH-Patton Yearly A4 Patient on Staff Assault Summary

YEAR	A4 PATIENT ON STAFF ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	588	574958	1.023	NA
2011	557	564493	0.987	-3.5
2012	531	571324	0.929	-5.9
2013	500	569788	0.878	-5.5
2014	569	567247	1.003	14.2
2015	577	566388	1.019	1.6
2016	531	571873	0.929	-8.8
2017	638	564799	1.13	21.6
2018	545	558112	0.977	-13.5

The following chart and table provide further information into the types of staff assaults (Physical Contact-Made and Physical Contact-Attempted), information that has routinely been collected on staff assaults since 2016.

Figure E.2
Yearly Rates of Staff Assault, Contact Made or Attempted, per 1000 Patient Days, at DSH-Patton

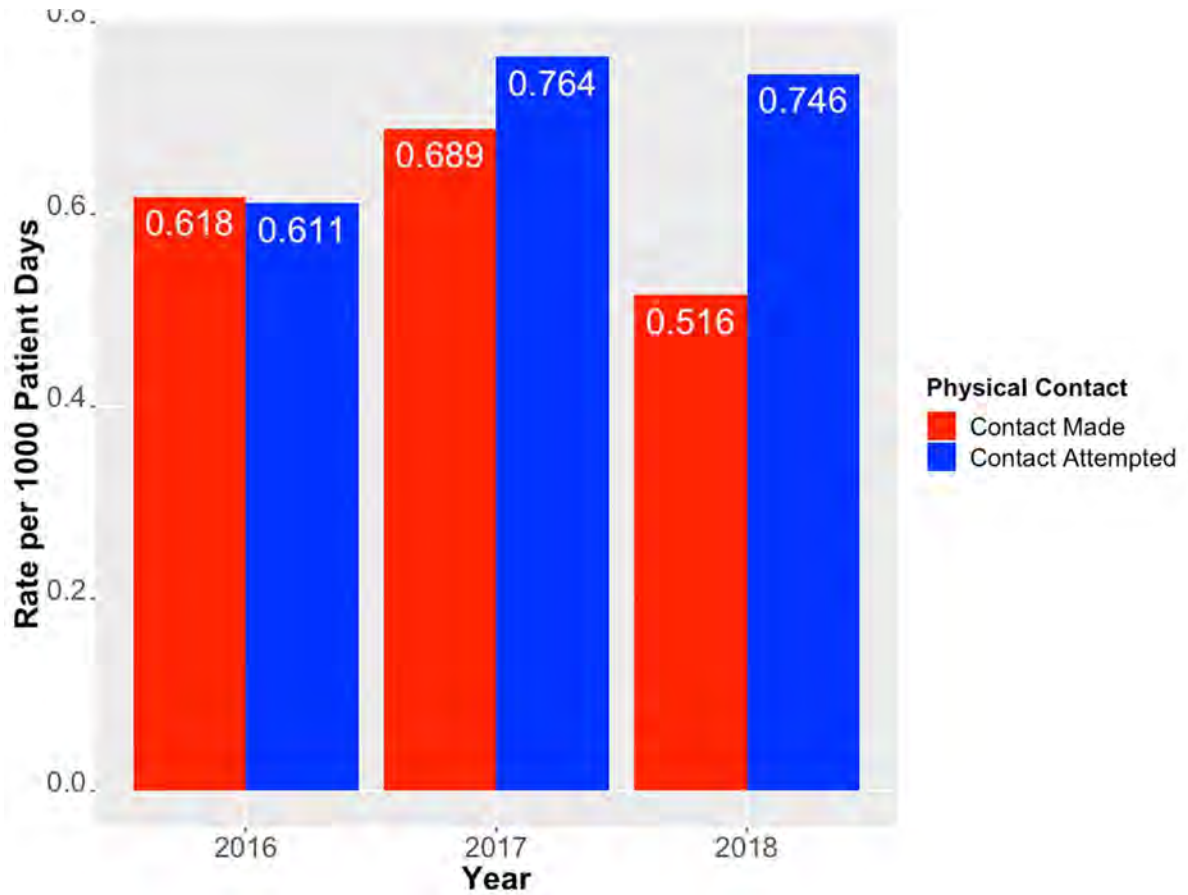


Table E.4
DSH – Patton Staff Assaults – Physical Contact Made and Contact Attempted

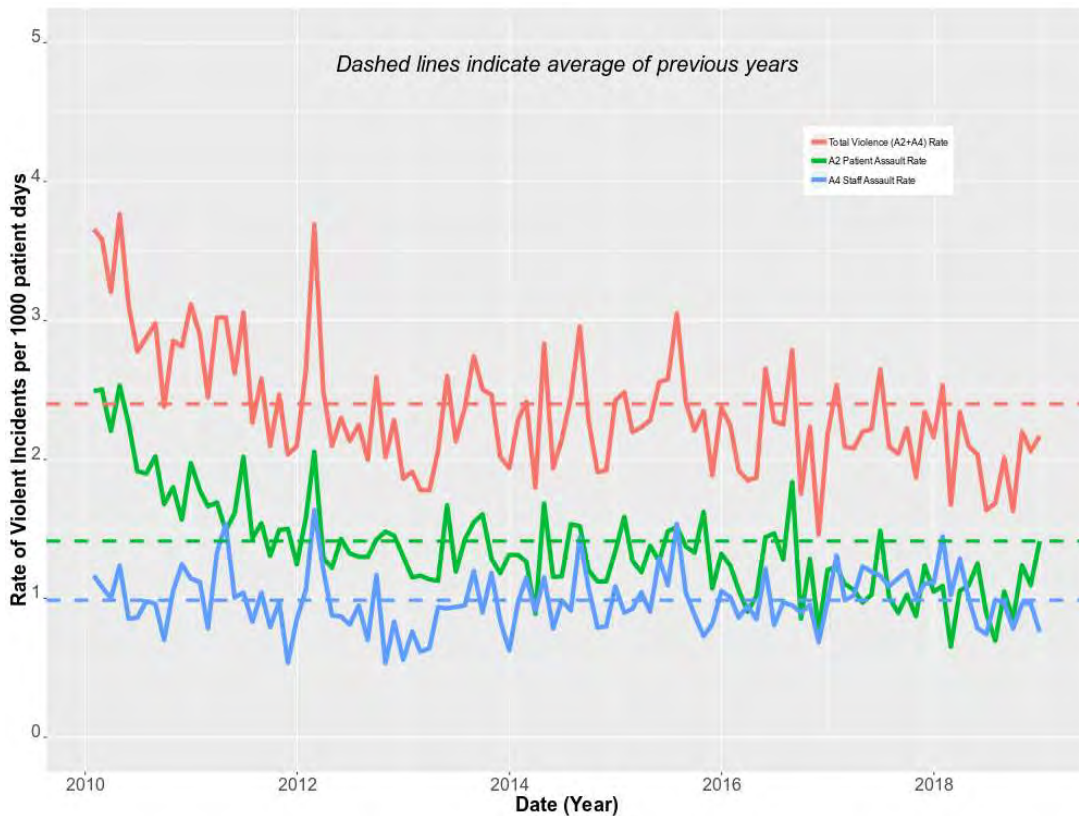
Year	Physical Contact	Count	Total Patient Days	Rate	% Change
2016	Contact Made	264	427041	0.618	NA
2016	Contact Attempted	261	427041	0.611	NA
2017	Contact Made	296	429536	0.689	11.5
2017	Contact Attempted	328	429536	0.764	24.9
2018	Contact Made	219	424745	0.516	-25.2
2018	Contact Attempted	317	424745	0.746	-2.3

As seen in the table and graph above, both categories of staff assaults decreased, with the largest decrease (25.2%) seen in the category of “Physical Contact Made.”

Monthly Rates

The previous barplot (Fig. E.1) showed the violence rates as an overall yearly average and did not show the monthly variability in the rates that occurs regularly. Two figures are shown below, the first being a plot of the violence rates on a monthly basis (Fig. E.3), and the second (Fig. E.4) showing the violence rates for each month averaged over the six months before and after each month, to create a “smoothed” plot (much like you would see in a financial article, where daily results are “smoothed” to better discern trends over time). See [Appendix H](#) for more details of this method.

Figure E.3
DSH-Patton Monthly Rates of Violence per 1000 Patient Days



Trend of Monthly Rates

Figure E.4
DSH-Patton Trends of Monthly Rates of Violence per 1000 Patient Days

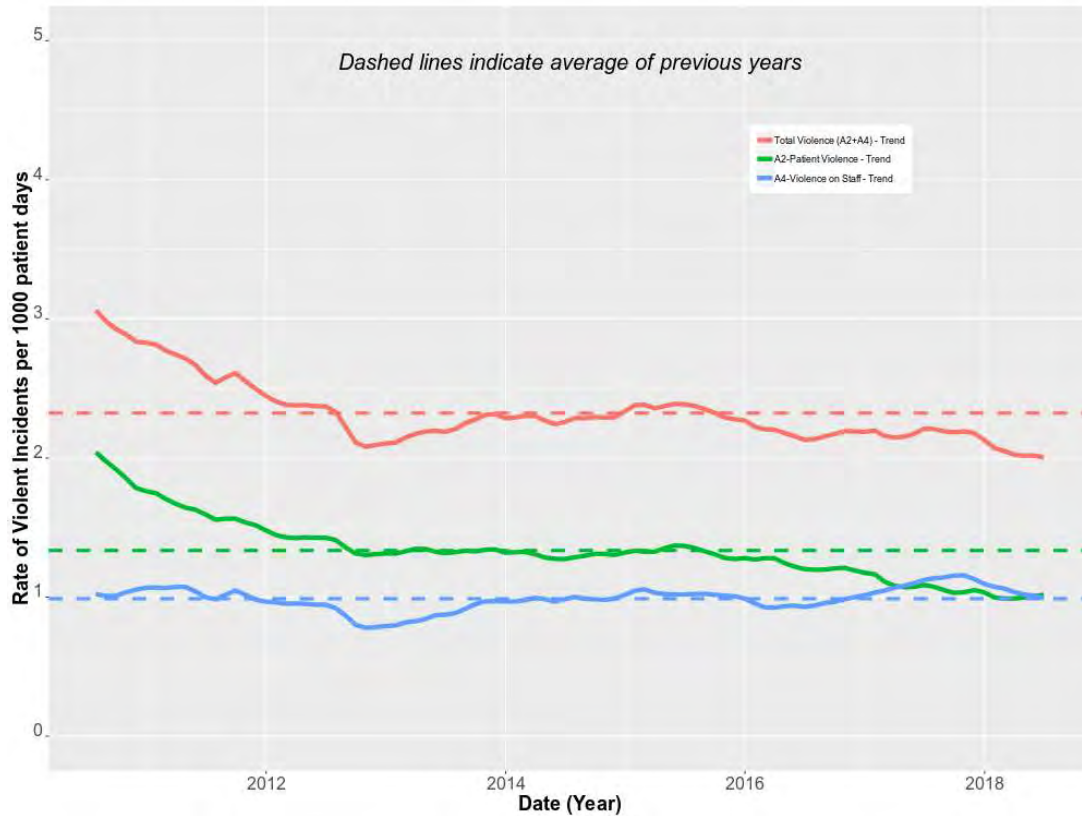


Figure E.4 shows the trend of the monthly violence rates (patient on patient assault, patient on staff assault, and total patient on patient and patient on staff assault) for DSH-Patton. The dashed lines indicate the previous years (2010-2017) average rate for each category, for comparison with 2018. Again, for more details on the methodology of trending the monthly rates data, please refer to [Appendix H](#).

Table E.5 provides a yearly summary of the year-over-year changes in the assault rates.

Table E.5
DSH-Patton Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	2.492	1.165	3.657
2/28/10	2.503	1.082	3.586
3/31/10	2.205	1.000	3.205
4/30/10	2.531	1.234	3.765
5/31/10	2.255	0.853	3.108
6/30/10	1.914	0.862	2.776
7/31/10	1.899	0.980	2.879
8/31/10	2.022	0.960	2.981
9/30/10	1.679	0.701	2.380
10/31/10	1.799	1.055	2.854
11/30/10	1.566	1.244	2.811
12/31/10	1.973	1.142	3.115
1/31/11	1.779	1.117	2.895
2/28/11	1.662	0.785	2.447
3/31/11	1.690	1.331	3.021
4/30/11	1.489	1.533	3.021
5/31/11	1.614	1.006	2.619
6/30/11	2.017	1.041	3.058
7/31/11	1.434	0.831	2.265
8/31/11	1.540	1.041	2.581
9/30/11	1.306	0.792	2.098
10/31/11	1.491	0.974	2.465
11/30/11	1.500	0.536	2.036
12/31/11	1.246	0.851	2.097
1/31/12	1.580	1.060	2.640
2/29/12	2.056	1.636	3.691
3/31/12	1.288	1.205	2.493
4/30/12	1.221	0.878	2.099
5/31/12	1.428	0.869	2.298
6/30/12	1.323	0.811	2.134
7/31/12	1.299	0.949	2.248
8/31/12	1.298	0.701	1.999
9/30/12	1.423	1.168	2.592
10/31/12	1.480	0.535	2.015
11/30/12	1.451	0.832	2.283
12/31/12	1.302	0.558	1.861
1/31/13	1.151	0.760	1.911

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/13	1.164	0.616	1.780
3/31/13	1.137	0.641	1.778
4/30/13	1.127	0.935	2.062
5/31/13	1.671	0.928	2.599
6/30/13	1.194	0.938	2.131
7/31/13	1.423	0.949	2.372
8/31/13	1.547	1.196	2.744
9/30/13	1.605	0.899	2.504
10/31/13	1.285	1.181	2.466
11/30/13	1.182	0.838	2.020
12/31/13	1.313	0.625	1.938
1/31/14	1.311	0.978	2.290
2/28/14	1.264	1.149	2.413
3/31/14	0.888	0.909	1.797
4/30/14	1.682	1.150	2.832
5/31/14	1.155	0.784	1.938
6/30/14	1.158	0.986	2.144
7/31/14	1.534	0.912	2.446
8/31/14	1.519	1.436	2.955
9/30/14	1.203	1.074	2.278
10/31/14	1.121	0.789	1.910
11/30/14	1.122	0.798	1.921
12/31/14	1.337	1.086	2.424
1/31/15	1.586	0.897	2.483
2/28/15	1.272	0.925	2.197
3/31/15	1.189	1.043	2.232
4/30/15	1.378	0.904	2.282
5/31/15	1.268	1.289	2.557
6/30/15	1.482	1.095	2.577
7/31/15	1.514	1.535	3.050
8/31/15	1.372	1.039	2.411
9/30/15	1.329	0.879	2.208
10/31/15	1.622	0.728	2.349
11/30/15	1.071	0.814	1.886
12/31/15	1.321	1.053	2.374
1/31/16	1.235	1.009	2.244
2/29/16	1.059	0.861	1.920
3/31/16	0.904	0.946	1.850
4/30/16	1.020	0.850	1.869
5/31/16	1.440	1.214	2.654
6/30/16	1.467	0.808	2.275

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
7/31/16	1.280	0.970	2.250
8/31/16	1.838	0.950	2.787
9/30/16	0.855	0.898	1.753
10/31/16	1.284	0.952	2.236
11/30/16	0.773	0.687	1.460
12/31/16	1.206	0.977	2.184
1/31/17	1.226	1.310	2.536
2/28/17	1.103	0.988	2.091
3/31/17	1.061	1.019	2.081
4/30/17	0.970	1.229	2.199
5/31/17	1.026	1.193	2.219
6/30/17	1.487	1.163	2.650
7/31/17	1.004	1.087	2.091
8/31/17	0.895	1.145	2.041
9/30/17	1.027	1.198	2.225
10/31/17	0.872	0.997	1.869
11/30/17	1.237	1.106	2.343
12/31/17	1.048	1.111	2.160
1/31/18	1.089	1.445	2.534
2/28/18	0.651	1.024	1.675
3/31/18	1.055	1.287	2.342
4/30/18	1.092	1.005	2.096
5/31/18	1.251	0.784	2.035
6/30/18	0.893	0.741	1.634
7/31/18	0.695	0.991	1.686
8/31/18	1.048	0.964	2.013
9/30/18	0.847	0.782	1.628
10/31/18	1.239	0.961	2.199
11/30/18	1.096	0.964	2.060
12/31/18	1.412	0.759	2.171

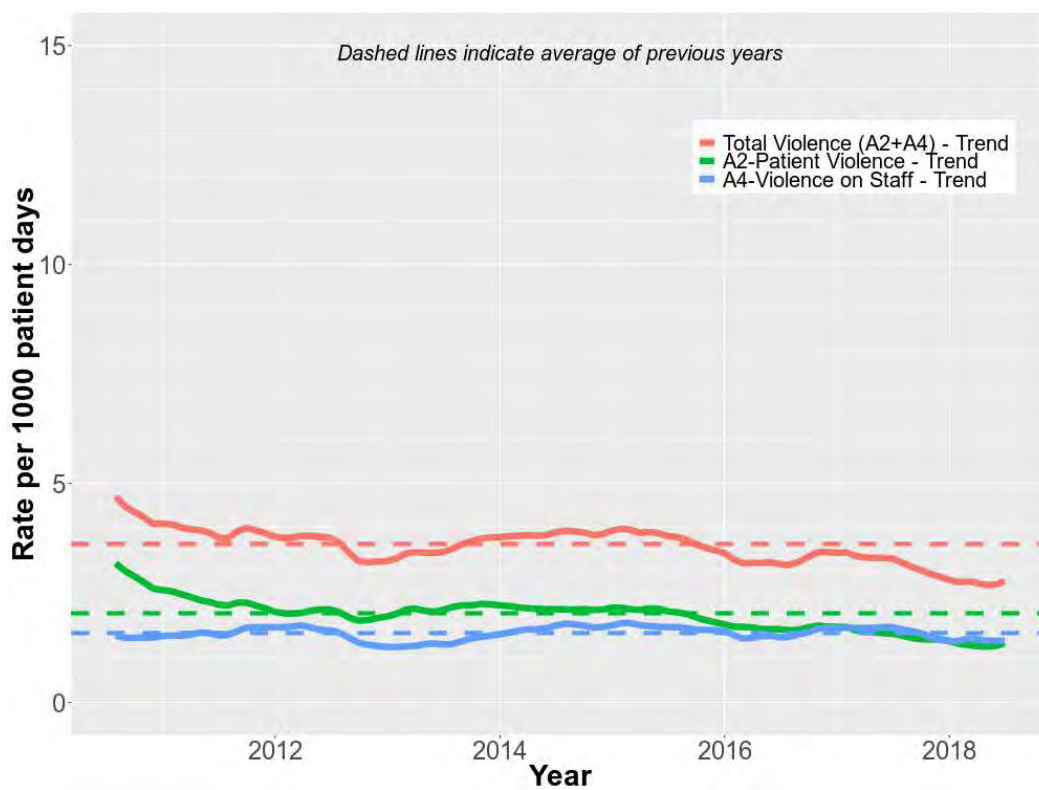
Violence Rates by Major Legal Classes

DSH-Patton IST's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure E.5
Trends of Monthly Rates of Violence for IST's at DSH-Patton



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure E.6
Monthly Rates of Violence for IST's at DSH-Patton

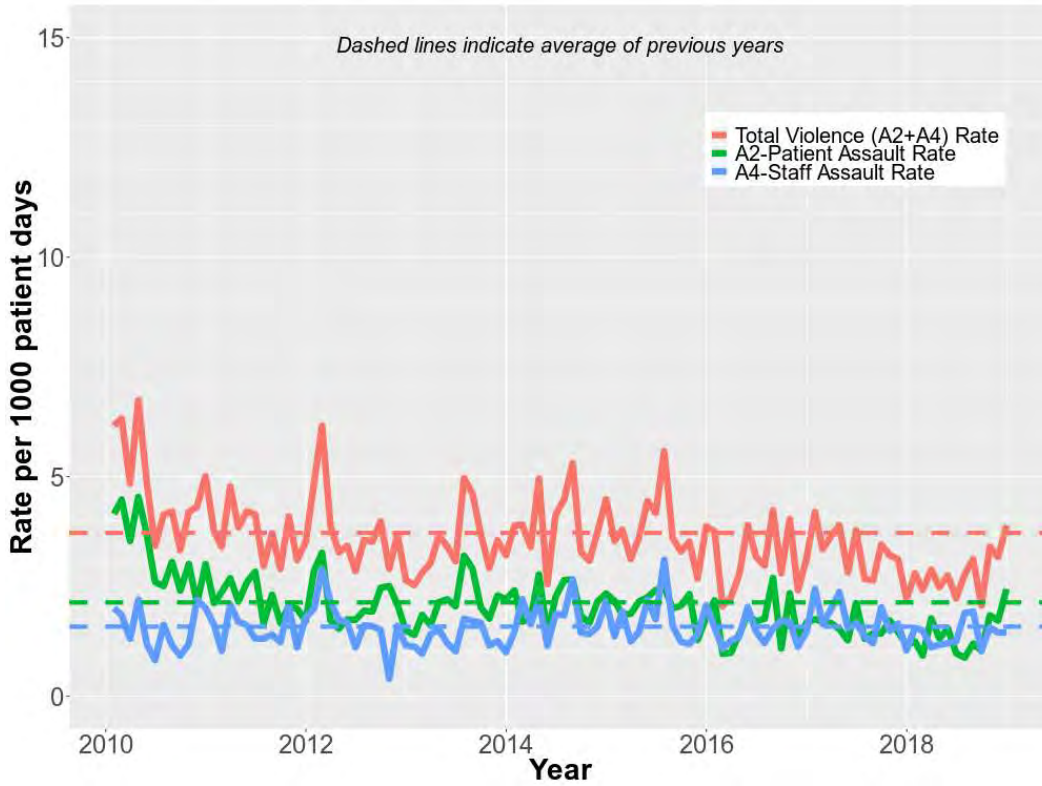


Table E.6
DSH-Patton IST Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	4.148	2.009	6.158
2/28/10	4.475	1.847	6.322
3/31/10	3.532	1.308	4.840
4/30/10	4.537	2.202	6.739
5/31/10	3.680	1.183	4.863
6/30/10	2.600	0.821	3.422
7/31/10	2.508	1.627	4.134
8/31/10	3.056	1.155	4.211
9/30/10	2.407	0.920	3.327
10/31/10	3.009	1.190	4.198
11/30/10	2.121	2.194	4.315
12/31/10	3.009	2.006	5.015
1/31/11	2.124	1.628	3.752
2/28/11	2.374	1.029	3.402
3/31/11	2.685	2.088	4.773
4/30/11	2.156	1.694	3.849
5/31/11	2.596	1.614	4.210
6/30/11	2.833	1.308	4.141
7/31/11	1.656	1.311	2.967
8/31/11	2.310	1.400	3.710
9/30/11	1.667	1.232	2.899
10/31/11	2.048	2.048	4.095
11/30/11	1.991	1.106	3.097
12/31/11	1.714	1.786	3.500
1/31/12	2.856	1.999	4.855
2/29/12	3.264	2.893	6.157
3/31/12	1.726	2.140	3.867
4/30/12	1.534	1.743	3.277
5/31/12	1.746	1.679	3.425
6/30/12	1.738	1.113	2.851
7/31/12	1.945	1.609	3.554
8/31/12	1.927	1.595	3.522
9/30/12	2.468	1.508	3.977
10/31/12	2.508	0.396	2.904
11/30/12	2.086	1.599	3.685
12/31/12	1.490	1.151	2.641
1/31/13	1.396	1.130	2.527
2/28/13	1.851	0.963	2.814

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
3/31/13	1.616	1.414	3.029
4/30/13	2.139	1.518	3.657
5/31/13	2.207	1.204	3.411
6/30/13	2.047	1.024	3.071
7/31/13	3.200	1.763	4.963
8/31/13	2.899	1.713	4.611
9/30/13	2.023	1.674	3.697
10/31/13	1.766	1.155	2.921
11/30/13	2.293	1.251	3.544
12/31/13	2.208	1.004	3.212
1/31/14	2.409	1.472	3.882
2/28/14	1.695	2.211	3.907
3/31/14	1.765	1.634	3.398
4/30/14	2.771	2.177	4.948
5/31/14	1.403	1.148	2.551
6/30/14	2.261	1.874	4.135
7/31/14	2.639	1.842	4.481
8/31/14	2.655	2.655	5.311
9/30/14	1.832	1.453	3.285
10/31/14	1.662	1.416	3.079
11/30/14	2.156	1.585	3.742
12/31/14	2.336	2.152	4.488
1/31/15	2.170	1.364	3.534
2/28/15	1.862	1.931	3.793
3/31/15	1.874	1.249	3.123
4/30/15	2.154	1.457	3.611
5/31/15	2.251	2.192	4.444
6/30/15	2.418	1.753	4.171
7/31/15	2.473	3.105	5.578
8/31/15	2.002	1.602	3.604
9/30/15	2.060	1.236	3.296
10/31/15	2.325	1.191	3.516
11/30/15	1.282	1.398	2.680
12/31/15	1.793	2.074	3.867
1/31/16	2.183	1.567	3.750
2/29/16	0.963	1.083	2.046
3/31/16	0.990	1.265	2.255
4/30/16	1.417	1.360	2.777
5/31/16	1.864	2.028	3.892
6/30/16	1.700	1.474	3.174
7/31/16	1.762	1.212	2.974
8/31/16	2.694	1.540	4.234

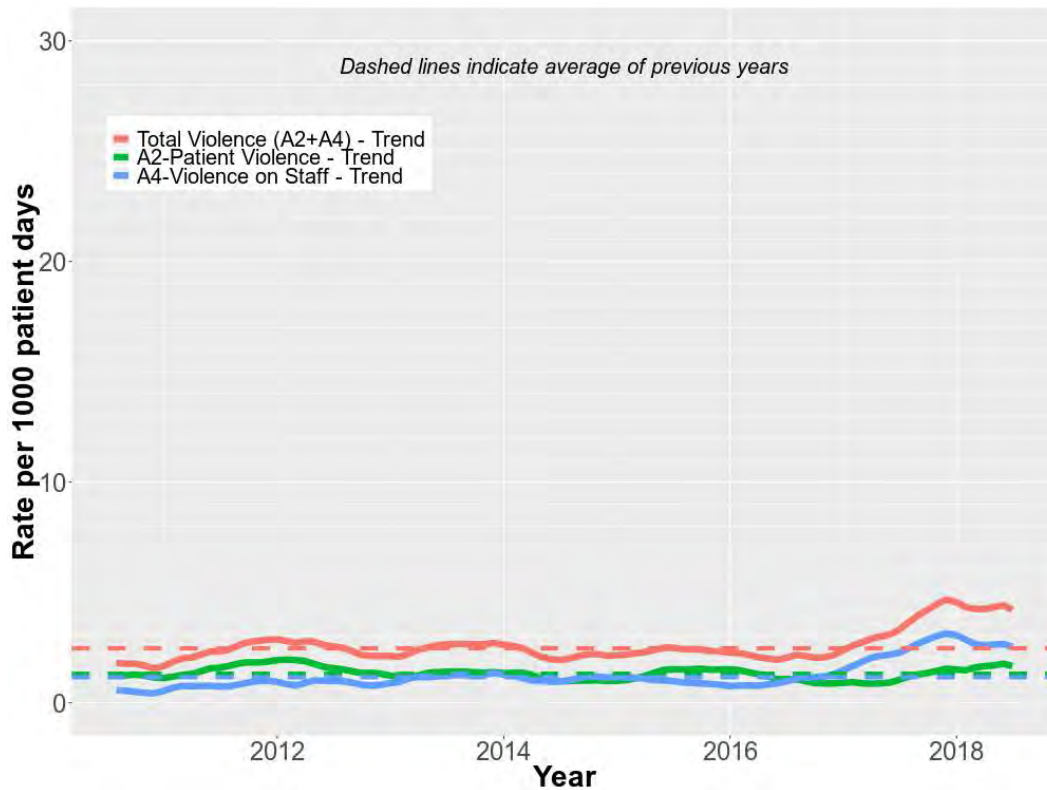
DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
9/30/16	1.087	1.716	2.802
10/31/16	2.343	1.689	4.032
11/30/16	1.291	1.123	2.414
12/31/16	1.672	1.457	3.129
1/31/17	1.752	2.443	4.195
2/28/17	1.702	1.643	3.346
3/31/17	1.662	1.984	3.646
4/30/17	1.524	2.371	3.895
5/31/17	1.272	1.549	2.821
6/30/17	2.118	1.660	3.778
7/31/17	1.308	1.365	2.674
8/31/17	1.433	1.204	2.637
9/30/17	1.429	2.024	3.453
10/31/17	1.724	1.486	3.209
11/30/17	1.461	1.652	3.113
12/31/17	1.166	1.043	2.210
1/31/18	1.244	1.555	2.799
2/28/18	0.926	1.495	2.421
3/31/18	1.769	1.114	2.883
4/30/18	1.311	1.173	2.483
5/31/18	1.540	1.205	2.745
6/30/18	0.975	1.253	2.228
7/31/18	0.878	1.892	2.770
8/31/18	1.195	1.926	3.121
9/30/18	1.031	1.031	2.063
10/31/18	1.839	1.566	3.405
11/30/18	1.721	1.446	3.167
12/31/18	2.441	1.451	3.892

DSH-Patton LPS's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure E.7
Trends of Monthly Rates of Violence for LPS's at DSH-Patton



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure E.8
Monthly Rates of Violence for LPS's at DSH-Patton

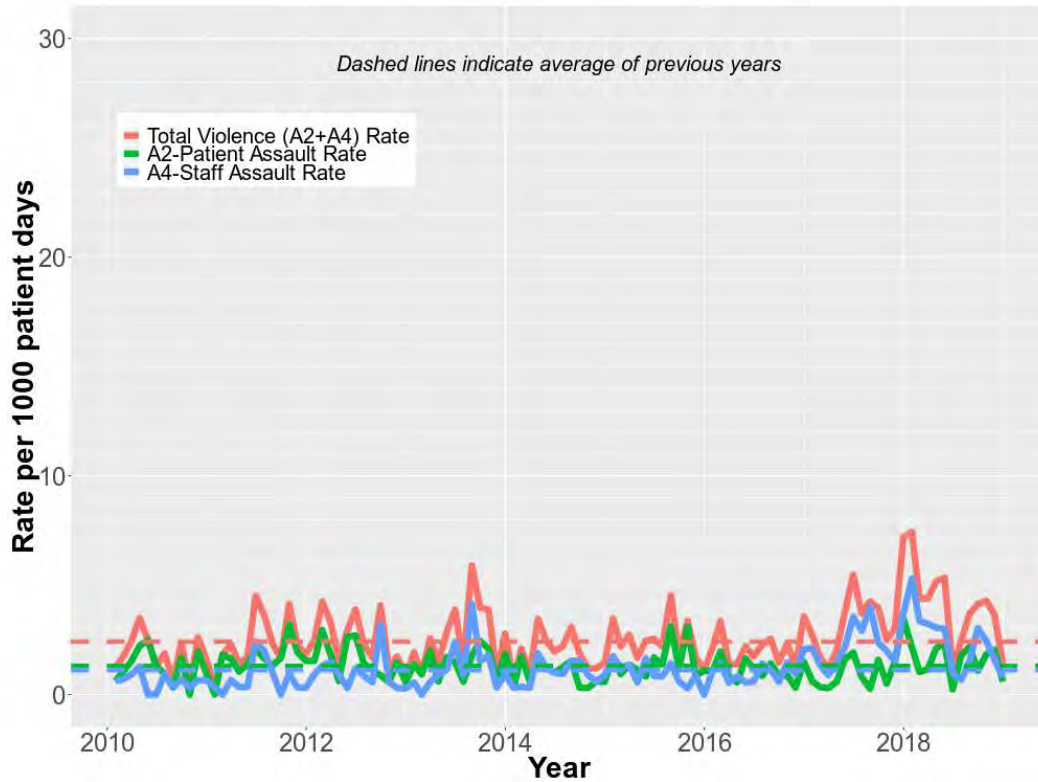


Table E.7
DSH-Patton LPS Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	0.613	0.613	1.227
2/28/10	1.032	0.688	1.719
3/31/10	1.527	0.916	2.443
4/30/10	2.219	1.268	3.487
5/31/10	2.500	0.000	2.500
6/30/10	1.290	0.000	1.290
7/31/10	0.939	0.939	1.877
8/31/10	0.319	0.319	0.638
9/30/10	1.693	0.677	2.370
10/31/10	0.000	0.317	0.317
11/30/10	1.958	0.653	2.610
12/31/10	0.961	0.641	1.602
1/31/11	0.000	0.329	0.329
2/28/11	1.816	0.000	1.816
3/31/11	1.641	0.657	2.298
4/30/11	1.045	0.348	1.393
5/31/11	1.381	0.345	1.727
6/30/11	2.082	2.429	4.511
7/31/11	1.650	1.980	3.630
8/31/11	1.327	0.995	2.322
9/30/11	1.665	0.000	1.665
10/31/11	3.186	0.956	4.141
11/30/11	1.934	0.322	2.257
12/31/11	1.539	0.308	1.847
1/31/12	1.535	0.921	2.456
2/29/12	2.941	1.307	4.248
3/31/12	1.805	1.504	3.308
4/30/12	0.609	0.913	1.522
5/31/12	2.628	0.292	2.920
6/30/12	2.695	1.198	3.892
7/31/12	1.416	0.850	2.266
8/31/12	1.124	0.562	1.685
9/30/12	0.872	3.198	4.070
10/31/12	0.570	0.570	1.141
11/30/12	1.452	0.290	1.743
12/31/12	0.558	0.279	0.836
1/31/13	1.374	0.550	1.924
2/28/13	0.926	0.000	0.926

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
3/31/13	1.992	0.569	2.561
4/30/13	0.599	0.898	1.497
5/31/13	1.716	1.144	2.860
6/30/13	1.492	2.387	3.879
7/31/13	0.587	0.881	1.468
8/31/13	1.771	4.133	5.905
9/30/13	2.443	1.527	3.971
10/31/13	2.091	1.792	3.883
11/30/13	0.626	0.313	0.939
12/31/13	1.858	0.929	2.787
1/31/14	0.313	0.313	0.625
2/28/14	1.745	0.349	2.094
3/31/14	0.613	0.307	0.920
4/30/14	1.571	1.886	3.457
5/31/14	1.223	1.223	2.446
6/30/14	0.980	0.980	1.960
7/31/14	1.262	0.947	2.209
8/31/14	1.541	1.541	3.082
9/30/14	0.313	1.567	1.881
10/31/14	0.297	0.890	1.187
11/30/14	0.599	0.599	1.198
12/31/14	0.580	0.870	1.451
1/31/15	1.734	1.734	3.468
2/28/15	0.940	1.254	2.194
3/31/15	1.359	1.359	2.719
4/30/15	1.123	0.561	1.684
5/31/15	0.821	1.643	2.464
6/30/15	1.693	0.847	2.540
7/31/15	1.377	0.826	2.203
8/31/15	3.121	1.419	4.540
9/30/15	1.174	0.587	1.762
10/31/15	3.095	0.281	3.376
11/30/15	0.856	0.856	1.713
12/31/15	1.090	0.000	1.090
1/31/16	1.071	1.071	2.142
2/29/16	1.956	1.397	3.354
3/31/16	0.812	0.541	1.353
4/30/16	0.555	0.832	1.387
5/31/16	1.651	0.550	2.201
6/30/16	1.163	0.581	1.744
7/31/16	0.851	1.418	2.269

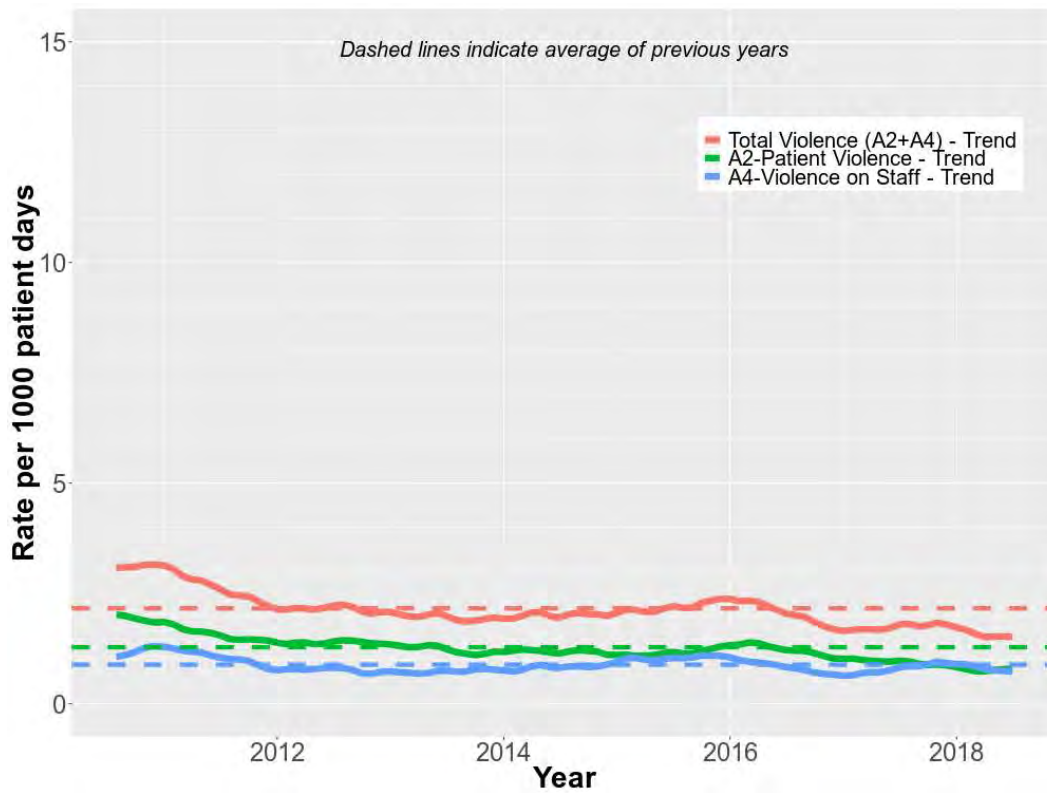
DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
8/31/16	1.416	1.133	2.550
9/30/16	0.876	0.584	1.461
10/31/16	0.876	1.460	2.336
11/30/16	0.315	0.944	1.259
12/31/16	1.492	2.088	3.580
1/31/17	0.602	2.108	2.711
2/28/17	0.337	1.349	1.686
3/31/17	0.296	0.887	1.183
4/30/17	0.578	1.445	2.023
5/31/17	1.630	2.174	3.804
6/30/17	1.914	3.555	5.469
7/31/17	0.794	2.913	3.708
8/31/17	0.265	3.982	4.247
9/30/17	1.581	2.372	3.953
10/31/17	0.498	1.993	2.491
11/30/17	1.512	1.512	3.024
12/31/17	3.474	3.722	7.196
1/31/18	2.164	5.290	7.454
2/28/18	1.034	3.361	4.395
3/31/18	1.155	3.233	4.388
4/30/18	2.115	3.055	5.170
5/31/18	2.320	3.016	5.335
6/30/18	0.238	0.954	1.192
7/31/18	1.795	0.673	2.467
8/31/18	2.178	1.524	3.702
9/30/18	1.084	3.036	4.121
10/31/18	1.837	2.449	4.286
11/30/18	2.034	1.627	3.661
12/31/18	0.583	0.777	1.361

DSH-Patton OMD's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure E.9
Trends of Monthly Rates of Violence for OMD's at DSH-Patton



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure E.10
Monthly Rates of Violence for OMD's at DSH-Patton

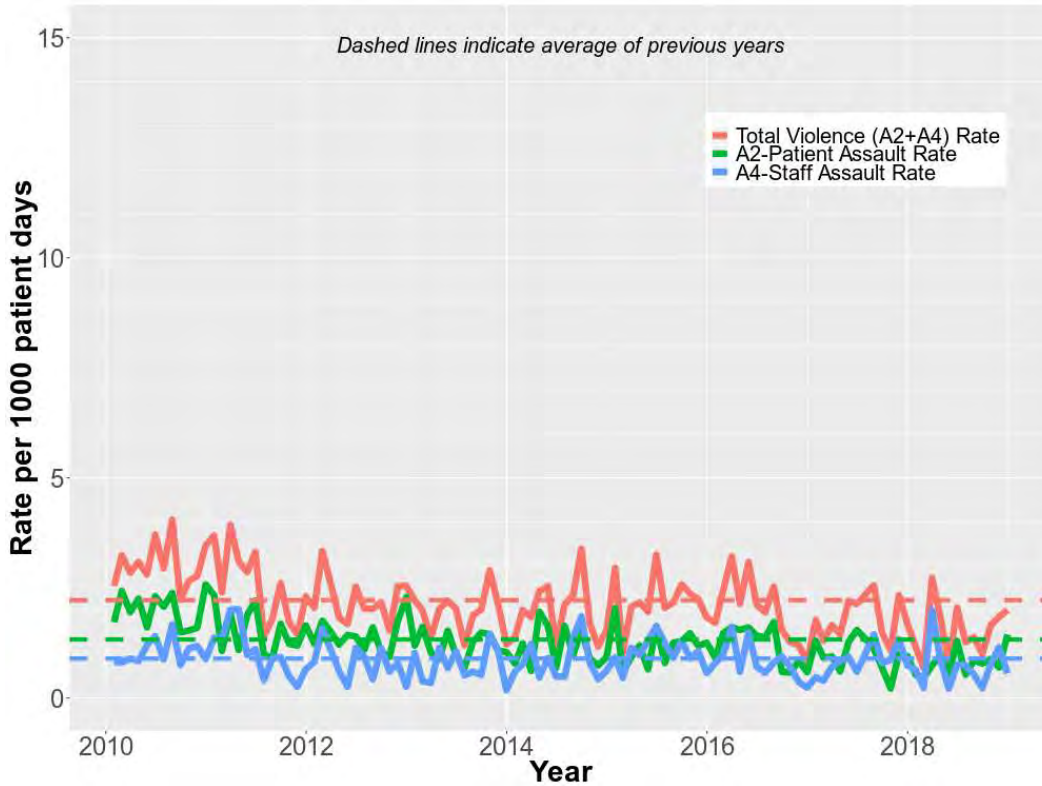


Table E.8
DSH-Patton OMD Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	1.720	0.819	2.540
2/28/10	2.430	0.810	3.239
3/31/10	1.950	0.894	2.844
4/30/10	2.254	0.835	3.089
5/31/10	1.605	1.204	2.808
6/30/10	2.309	1.402	3.710
7/31/10	2.071	0.876	2.947
8/31/10	2.384	1.669	4.052
9/30/10	1.493	0.746	2.239
10/31/10	1.532	1.129	2.661
11/30/10	1.594	1.175	2.769
12/31/10	2.579	0.886	3.465
1/31/11	2.327	1.364	3.691
2/28/11	1.067	1.334	2.401
3/31/11	1.925	2.005	3.929
4/30/11	1.090	2.012	3.102
5/31/11	1.877	0.979	2.856
6/30/11	2.211	1.105	3.316
7/31/11	0.989	0.412	1.401
8/31/11	0.899	0.899	1.798
9/30/11	1.683	0.926	2.608
10/31/11	1.226	0.491	1.717
11/30/11	1.189	0.255	1.444
12/31/11	1.646	0.658	2.305
1/31/12	1.230	0.820	2.049
2/29/12	1.756	1.580	3.336
3/31/12	1.500	1.083	2.582
4/30/12	1.212	0.606	1.818
5/31/12	1.430	0.252	1.682
6/30/12	1.396	1.134	2.531
7/31/12	1.097	0.929	2.026
8/31/12	1.601	0.421	2.023
9/30/12	1.045	1.133	2.178
10/31/12	0.934	0.595	1.529
11/30/12	1.750	0.787	2.537
12/31/12	2.290	0.254	2.544
1/31/13	1.190	1.020	2.211
2/28/13	1.611	0.379	1.990

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
3/31/13	1.026	0.342	1.368
4/30/13	0.878	1.141	2.019
5/31/13	1.529	0.679	2.208
6/30/13	0.970	1.058	2.027
7/31/13	0.685	0.514	1.199
8/31/13	1.279	0.597	1.876
9/30/13	1.483	0.523	2.006
10/31/13	1.448	1.448	2.896
11/30/13	1.075	1.075	2.150
12/31/13	1.042	0.174	1.216
1/31/14	0.778	0.605	1.383
2/28/14	1.237	0.761	1.998
3/31/14	0.612	1.225	1.837
4/30/14	1.959	0.467	2.426
5/31/14	1.633	0.907	2.540
6/30/14	0.682	0.487	1.168
7/31/14	1.635	0.481	2.116
8/31/14	0.976	1.366	2.341
9/30/14	1.540	1.848	3.389
10/31/14	0.892	0.792	1.684
11/30/14	0.742	0.424	1.166
12/31/14	0.924	0.616	1.540
1/31/15	2.039	0.918	2.957
2/28/15	0.568	0.455	1.023
3/31/15	0.931	1.138	2.068
4/30/15	1.193	0.976	2.168
5/31/15	0.653	1.306	1.960
6/30/15	1.627	1.627	3.253
7/31/15	0.796	1.251	2.048
8/31/15	1.253	0.912	2.165
9/30/15	1.289	1.289	2.577
10/31/15	1.469	0.904	2.372
11/30/15	1.180	1.062	2.241
12/31/15	1.255	0.571	1.826
1/31/16	0.911	0.797	1.709
2/29/16	1.470	0.980	2.450
3/31/16	1.609	1.609	3.218
4/30/16	1.545	0.594	2.139
5/31/16	1.599	1.485	3.084
6/30/16	1.409	0.705	2.114
7/31/16	1.374	0.572	1.946
8/31/16	1.725	0.805	2.530

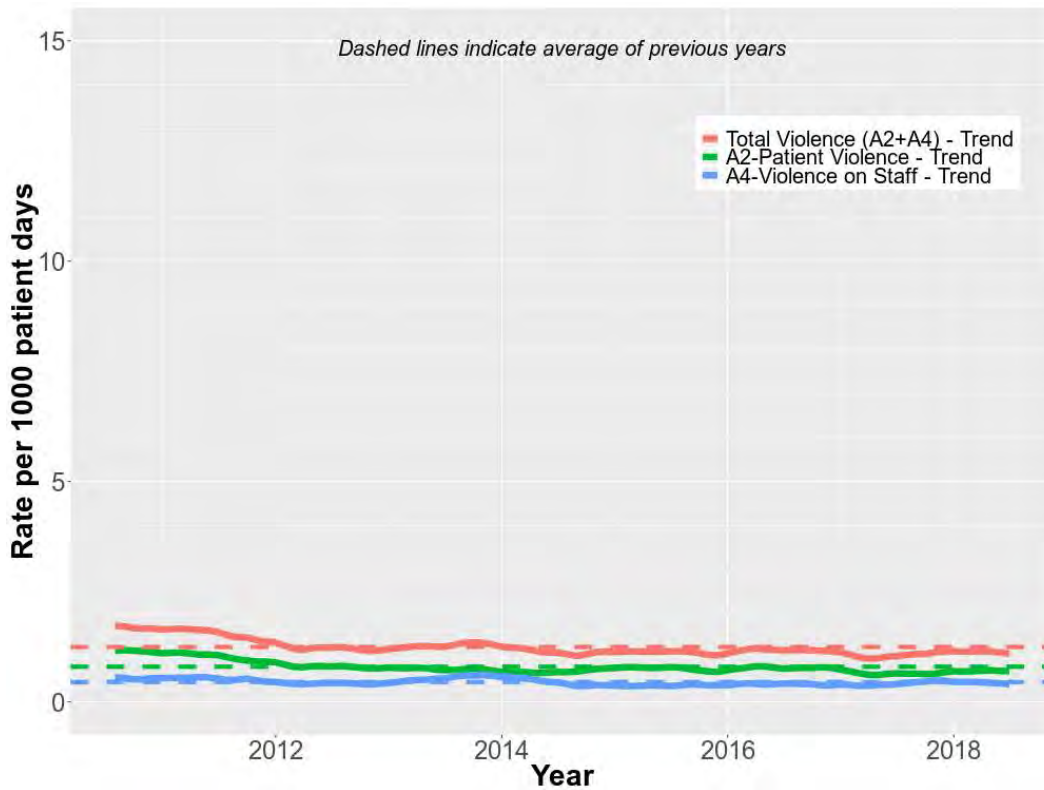
DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 PATIENT ON STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
9/30/16	0.591	0.945	1.536
10/31/16	0.576	0.691	1.267
11/30/16	0.839	0.359	1.198
12/31/16	0.584	0.234	0.818
1/31/17	1.299	0.472	1.772
2/28/17	0.910	0.390	1.300
3/31/17	0.943	0.707	1.650
4/30/17	0.602	0.843	1.445
5/31/17	1.277	0.929	2.205
6/30/17	1.543	0.593	2.136
7/31/17	1.345	1.009	2.354
8/31/17	1.111	1.445	2.556
9/30/17	0.682	0.796	1.478
10/31/17	0.216	0.864	1.079
11/30/17	0.998	1.331	2.329
12/31/17	0.951	0.740	1.691
1/31/18	0.522	0.626	1.148
2/28/18	0.456	0.228	0.684
3/31/18	0.733	1.990	2.724
4/30/18	0.977	0.868	1.845
5/31/18	0.526	0.211	0.737
6/30/18	1.294	0.755	2.049
7/31/18	0.528	0.740	1.268
8/31/18	0.849	0.531	1.380
9/30/18	0.781	0.223	1.004
10/31/18	0.883	0.773	1.656
11/30/18	0.691	1.151	1.842
12/31/18	1.442	0.555	1.996

DSH-Patton NGRI's

Monthly Trend

The monthly trend is obtained by averaging each month with the 6 months before and 6 months after that month; this produces a “smoother” curve than the raw monthly numbers (next figure), which better enables one to detect trends in the data.

Figure E.11
Trends of Monthly Rates of Violence for NGRI's at DSH-Patton



Monthly Rates Data

The information for each month's rates are given here. As can be seen, the monthly data typically produces a "saw tooth" pattern that can make it difficult to detect upward or downward trends. For this reason it is usually better to refer to the "smoothed" plot of the trends (previous figure).

Figure E.12
Monthly Rates of Violence for NGRI's at DSH-Patton

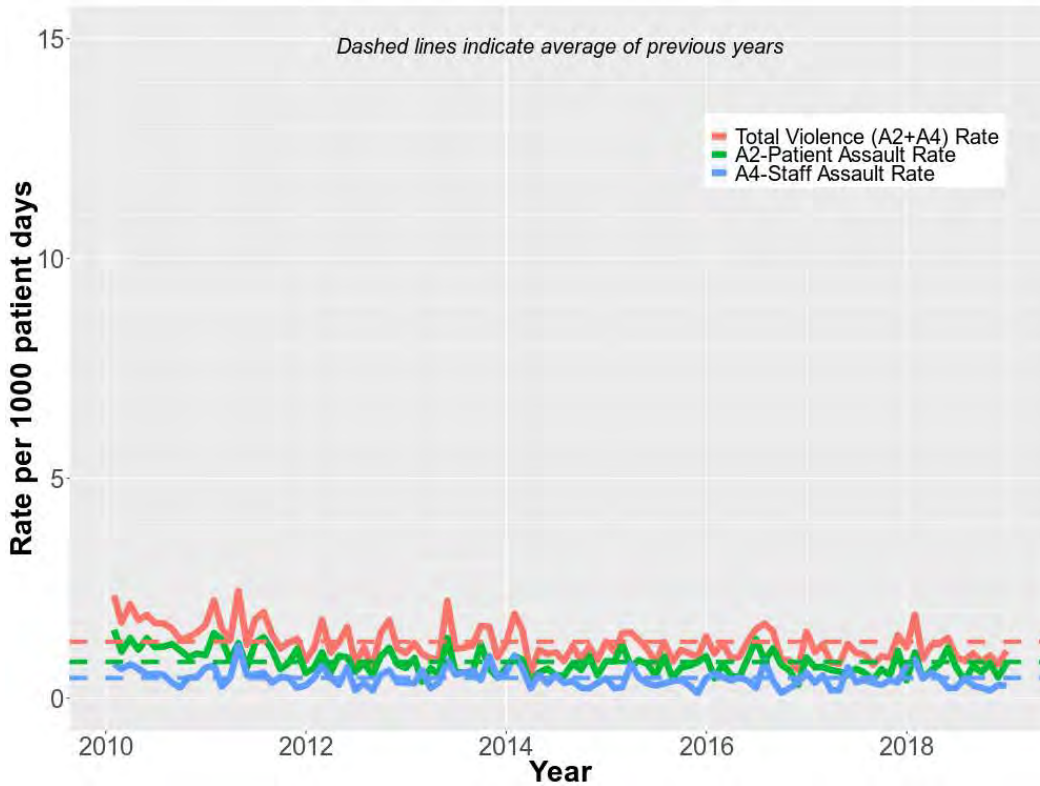


Table E.9
DSH-Patton NGRI Monthly Rates of Violence

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	1.553	0.777	2.330
2/28/10	1.055	0.660	1.715
3/31/10	1.360	0.769	2.129
4/30/10	1.100	0.672	1.772
5/31/10	1.357	0.531	1.889
6/30/10	1.156	0.548	1.703
7/31/10	1.171	0.527	1.698
8/31/10	1.226	0.350	1.576
9/30/10	1.084	0.241	1.325
10/31/10	0.926	0.463	1.389
11/30/10	1.011	0.476	1.487
12/31/10	0.974	0.687	1.661
1/31/11	1.477	0.738	2.215
2/28/11	1.334	0.254	1.588
3/31/11	0.861	0.459	1.320
4/30/11	1.249	1.189	2.438
5/31/11	0.694	0.520	1.214
6/30/11	1.252	0.536	1.788
7/31/11	1.382	0.576	1.958
8/31/11	1.093	0.345	1.438
9/30/11	0.655	0.476	1.131
10/31/11	0.802	0.458	1.261
11/30/11	1.112	0.234	1.346
12/31/11	0.570	0.285	0.855
1/31/12	0.684	0.456	1.140
2/29/12	1.042	0.736	1.778
3/31/12	0.575	0.460	1.035
4/30/12	0.959	0.300	1.258
5/31/12	0.926	0.695	1.621
6/30/12	0.595	0.179	0.774
7/31/12	0.808	0.346	1.154
8/31/12	0.520	0.173	0.694
9/30/12	0.948	0.533	1.481
10/31/12	1.140	0.627	1.767
11/30/12	0.766	0.353	1.119
12/31/12	0.683	0.342	1.025
1/31/13	0.909	0.341	1.250
2/28/13	0.376	0.626	1.002

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
3/31/13	0.678	0.226	0.904
4/30/13	0.523	0.349	0.871
5/31/13	1.360	0.850	2.209
6/30/13	0.589	0.530	1.119
7/31/13	0.572	0.572	1.144
8/31/13	0.569	0.625	1.194
9/30/13	1.229	0.410	1.639
10/31/13	0.671	0.951	1.622
11/30/13	0.464	0.464	0.928
12/31/13	0.676	0.564	1.240
1/31/14	0.957	0.957	1.913
2/28/14	0.872	0.685	1.557
3/31/14	0.336	0.224	0.561
4/30/14	0.576	0.519	1.095
5/31/14	0.668	0.334	1.002
6/30/14	0.521	0.521	1.041
7/31/14	0.506	0.337	0.843
8/31/14	0.788	0.394	1.182
9/30/14	0.639	0.232	0.871
10/31/14	0.948	0.223	1.171
11/30/14	0.520	0.346	0.866
12/31/14	0.838	0.447	1.285
1/31/15	0.833	0.222	1.055
2/28/15	1.226	0.245	1.471
3/31/15	0.718	0.773	1.491
4/30/15	0.860	0.459	1.319
5/31/15	0.777	0.333	1.110
6/30/15	0.513	0.285	0.798
7/31/15	0.942	0.332	1.274
8/31/15	0.446	0.390	0.835
9/30/15	0.691	0.403	1.094
10/31/15	0.734	0.282	1.016
11/30/15	0.815	0.116	0.931
12/31/15	0.954	0.449	1.402
1/31/16	0.448	0.560	1.008
2/29/16	0.780	0.480	1.260
3/31/16	0.506	0.394	0.900
4/30/16	0.467	0.467	0.934
5/31/16	0.905	0.396	1.300
6/30/16	1.338	0.233	1.571
7/31/16	0.845	0.845	1.690

DATE	A2 PATIENT ON PATIENT ASSAULT RATE	A4 STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
8/31/16	1.128	0.395	1.522
9/30/16	0.758	0.117	0.875
10/31/16	0.626	0.228	0.854
11/30/16	0.295	0.354	0.648
12/31/16	0.923	0.577	1.500
1/31/17	0.698	0.349	1.046
2/28/17	0.706	0.514	1.220
3/31/17	0.637	0.174	0.811
4/30/17	0.602	0.181	0.783
5/31/17	0.527	0.702	1.229
6/30/17	0.664	0.362	1.027
7/31/17	0.580	0.406	0.986
8/31/17	0.407	0.349	0.755
9/30/17	0.656	0.298	0.954
10/31/17	0.517	0.402	0.919
11/30/17	1.072	0.357	1.429
12/31/17	0.402	0.747	1.150
1/31/18	1.032	0.860	1.893
2/28/18	0.446	0.446	0.892
3/31/18	0.628	0.571	1.200
4/30/18	0.767	0.472	1.239
5/31/18	1.141	0.228	1.370
6/30/18	0.702	0.234	0.936
7/31/18	0.395	0.452	0.847
8/31/18	0.737	0.283	1.020
9/30/18	0.584	0.234	0.818
10/31/18	0.796	0.170	0.966
11/30/18	0.471	0.294	0.765
12/31/18	0.793	0.283	1.076

APPENDIX F NUMBER OF INDIVIDUAL (UNIQUE) PATIENT AGGRESSORS

As noted in Section V, there is a distinct pattern of a small number of patients causing a large proportion of the violent acts in each year. Section V covered just 2018; in this Appendix we review and summarize 2010-2017.

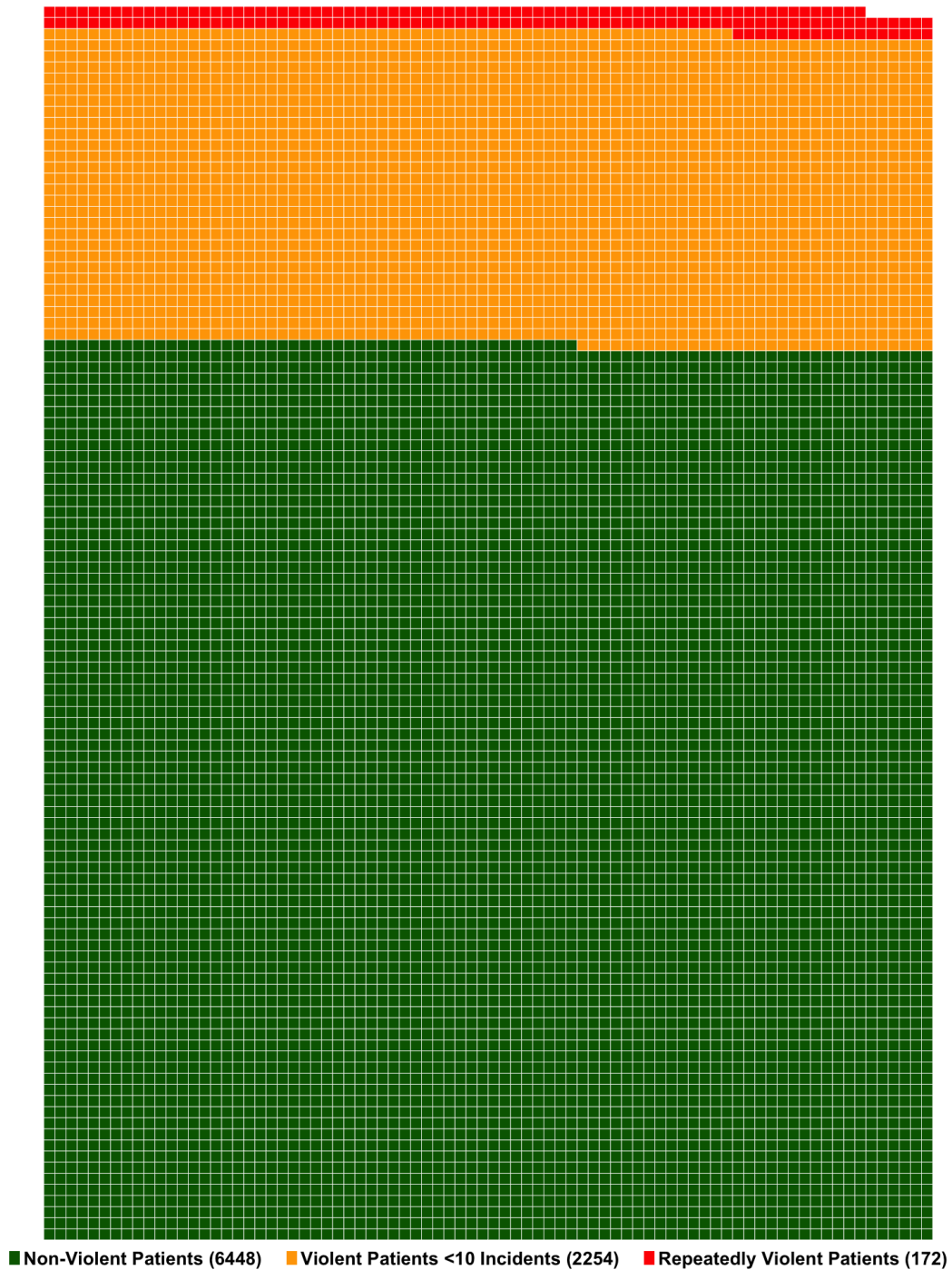
A. Patients and Aggressors in 2010

As can be seen in Figure F.1, in 2010 the number of patients treated in DSH hospitals during the year totaled 8,874. Of these, most patients (6,448) were not violent (shown in green), while 2,426 patients were violent (the number of patients having 1-9 violent acts was 2,254, those with 10 or more violent acts numbered 172).

Thus, violent patients as a percentage of all patients treated were 27.3% of all those treated during 2010. As noted previously in [Section III.C.](#), because the hospitals will more rapidly discharge non-violent patients and retain violent patients for further treatment, at any given time, the hospital population had a much higher percentage of violent patients, usually between 42 to 47%.

In 2010, the 172 patients with 10 or more violent incidents in that year accounted for 35.9% of all violent patient on patient and patient on staff assault incidents; see [Section VII.A.](#) of this report for more information on this.

Figure F.1
2010 DSH Patients and Aggressors, 1 Square = 1 Patient



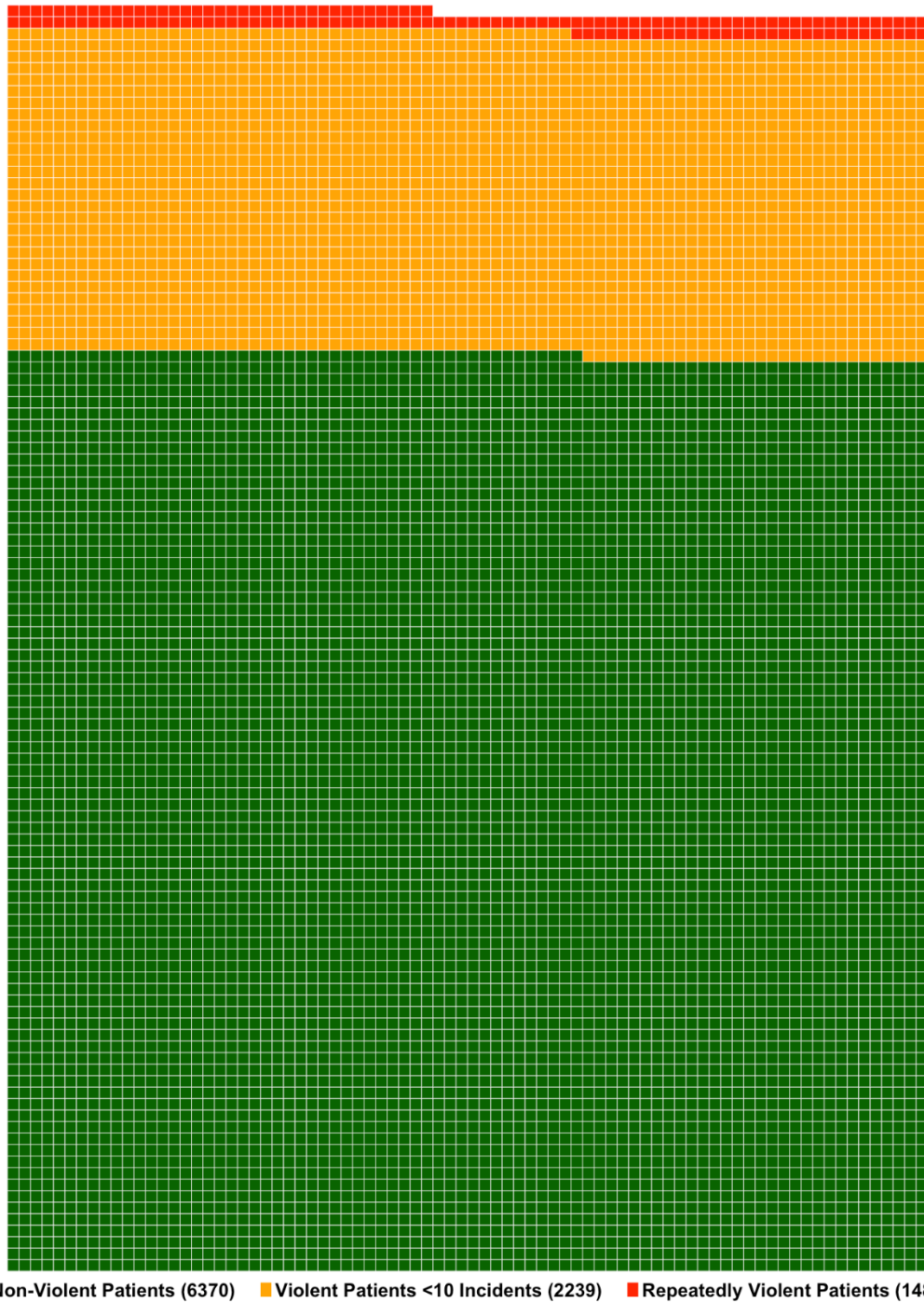
B. Patients and Aggressors in 2011

As can be seen in Figure F.2, in 2011 the number of patients treated in DSH hospitals during the year was 8,757. Of these, most patients (6,370) were not violent, while a total of 2,387 were violent (the number of patients having 1-9 violent acts was 2,239, those with 10 or more violent acts numbered 148).

Thus, violent patients as a percentage of all patients treated were about 27.3% of all those treated during 2011. As noted previously in [Section III.C.](#), because the hospitals will more rapidly discharge non-violent patients and retain violent patients for further treatment, at any given time, the hospital population had a much higher percentage of violent patients, usually between 42 to 47%.

In 2011, the 148 patients with 10 or more violent incidents in that year accounted for 33.4% of all violent patient on patient and patient on staff assault incidents; see [Section VII.A.](#) of this report for more information on this.

Figure F.2
2011 DSH Patients and Aggressors, 1 Square = 1 Patient



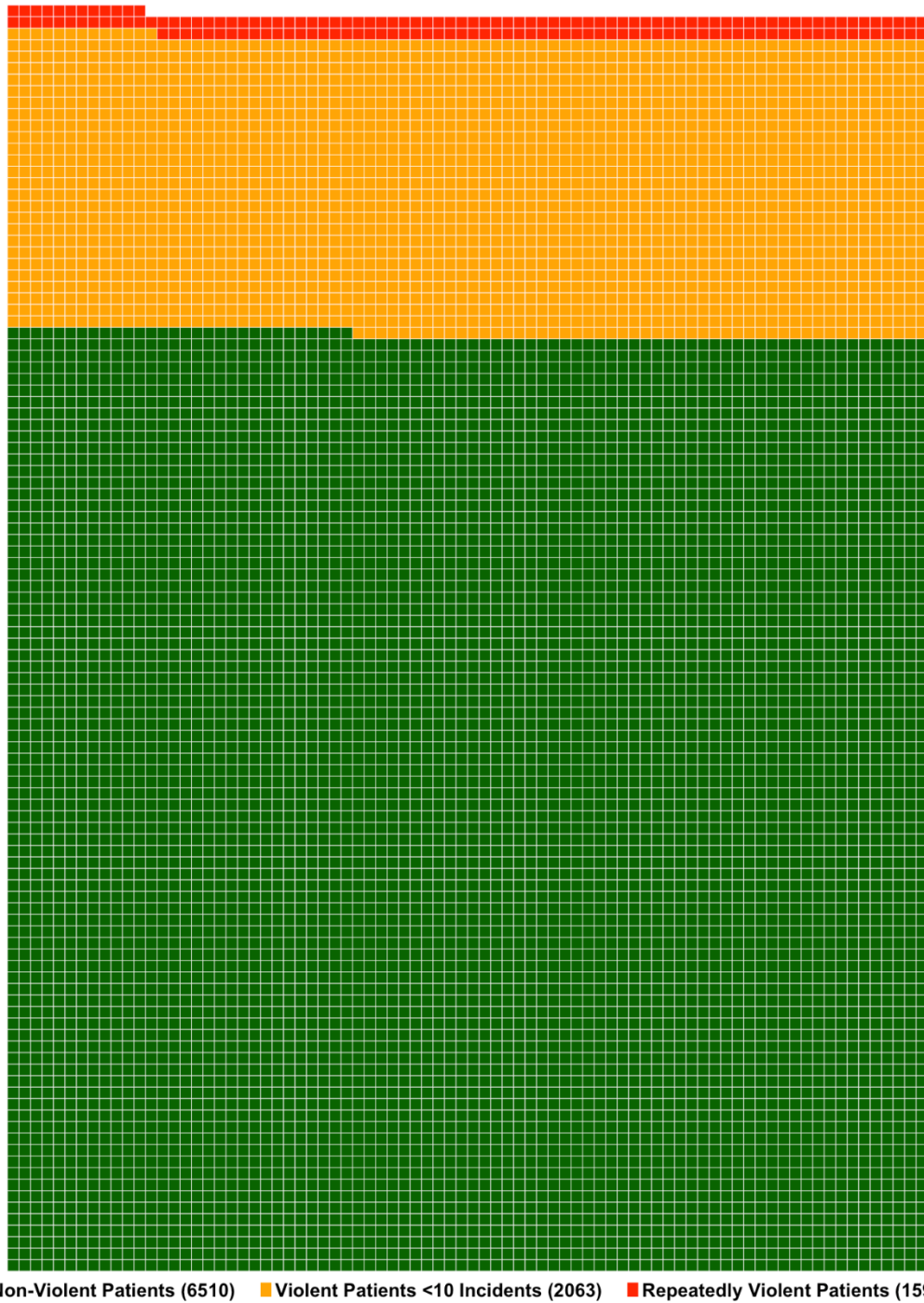
C. Patients and Aggressors in 2012

As can be seen in Figure F.3, in 2012 the number of patients treated in DSH hospitals was 8,732. Of these, most patients (6,510) were not violent, but 2,222 patients were violent (the number of patients having 1-9 violent acts was 2,063, those with 10 or more violent acts numbered 159).

Thus, violent patients as a percentage of all patients treated were about 25.4% of all those treated during 2012. As noted previously in [Section III.C.](#), because the hospitals will more rapidly discharge non-violent patients and retain violent patients for further treatment, at any given time, the hospital population had a much higher percentage of violent patients, usually between 42 to 47%.

In 2012, the 159 patients with 10 or more violent incidents in that year accounted for 38.2% of all violent patient on patient and patient on staff assault incidents; see [Section VII.A.](#) of this report for more information on this.

Figure F.3
2012 DSH Patients and Aggressors, 1 Square = 1 Patient



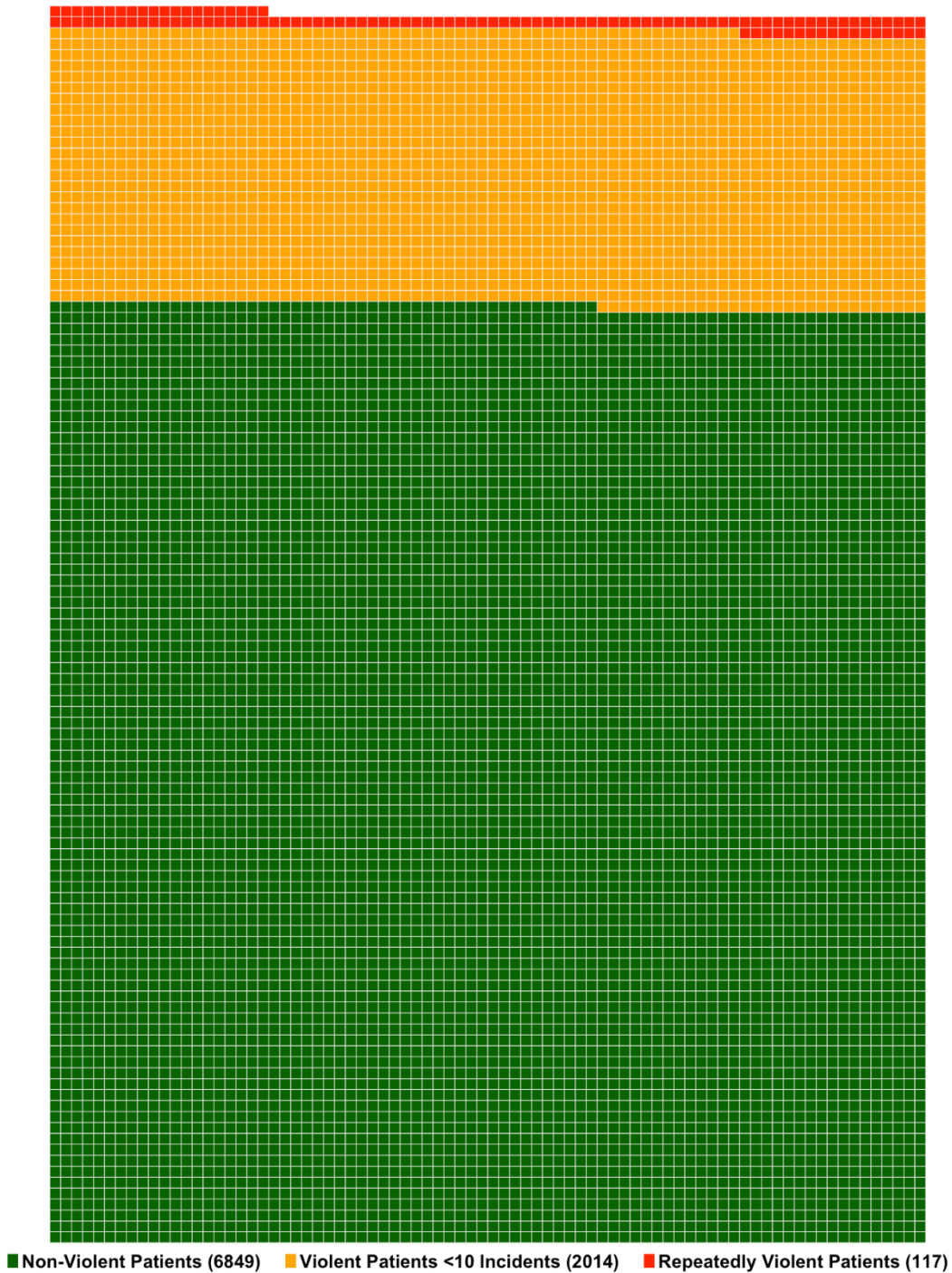
D. Patients and Aggressors in 2013

As can be seen in Figure F.4, in 2013 the number of patients treated in DSH hospitals totaled 8,980. Again, most patients (6,849) were not violent, but 2,131 patients were violent (the number of patients having 1-9 violent acts was 2,014, those with 10 or more violent acts numbered 117).

Thus, violent patients as a percentage of all patients treated were about 23.7% of all those treated during 2013. As noted previously in [Section III.C.](#), because the hospitals will more rapidly discharge non-violent patients and retain violent patients for further treatment, at any given time, the hospital population had a much higher percentage of violent patients, usually between 42 to 47%.

In 2013, the 117 patients with 10 or more violent incidents in that year accounted for 35.2% of all violent patient on patient and patient on staff assault incidents; see [Section VII.A.](#) of this report for more information on this.

Figure F.4
2013 DSH Patients and Aggressors, 1 Square = 1 Patient



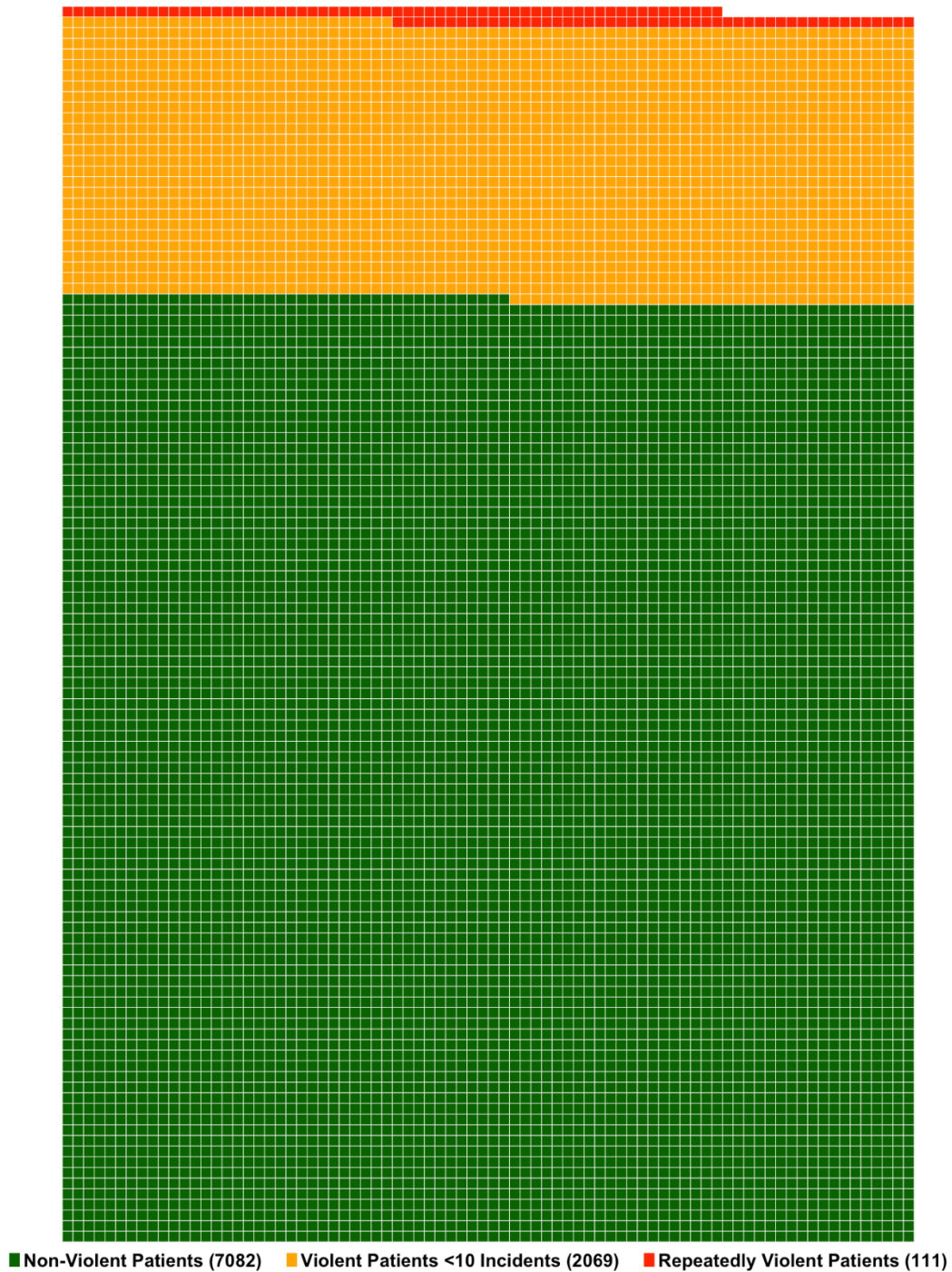
E. Patients and Aggressors in 2014

As can be seen in Figure F.5, in 2014 the number of patients treated in DSH hospitals was 9,262. Again, most patients (7,082) were not violent, but 2,180 patients were violent (the number of patients having 1-9 violent acts was 2,069, those with 10 or more violent acts numbered 111).

Thus, violent patients as a percentage of all patients treated were about 23.5% of all those treated during 2014. As noted previously in [Section III.C.](#), because the hospitals will more rapidly discharge non-violent patients and retain violent patients for further treatment, at any given time, the hospital population had a much higher percentage of violent patients, usually between 42 to 47%.

In 2014, the 111 patients with 10 or more violent incidents in that year accounted for 34.4% of all violent patient on patient and patient on staff assault incidents; see [Section VII.A.](#) of this report for more information on this.

Figure F.5
2014 DSH Patients and Aggressors, 1 Square = 1 Patient



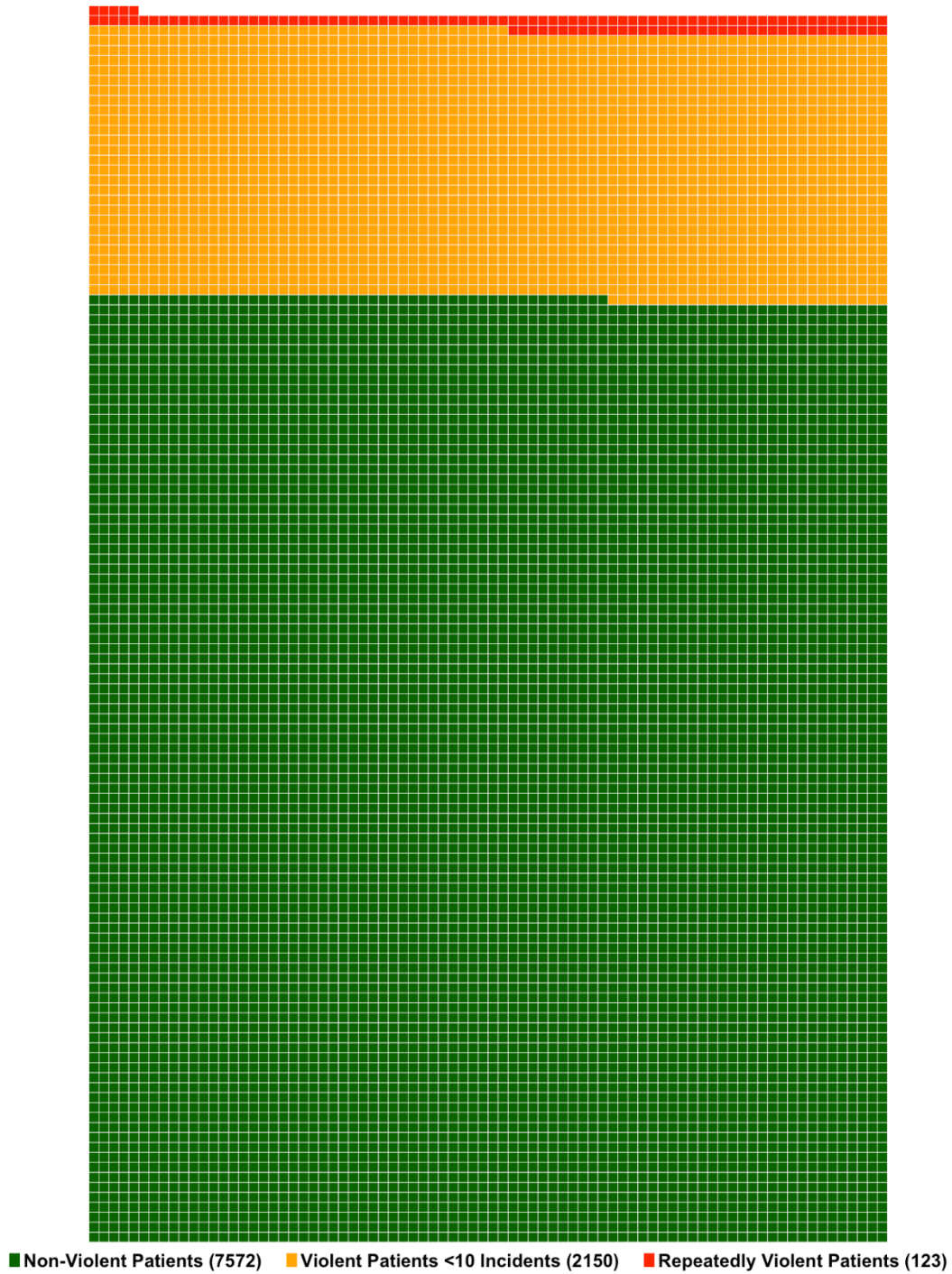
F. Patients and Aggressors in 2015

As can be seen in Figure F.6, in 2015 the number of patients treated in DSH hospitals totaled 9,845. Again, most patients (7,572) were not violent, but 2,273 patients were violent (the number of patients having 1-9 violent acts was 2,150, those with 10 or more violent acts numbered 123).

Thus, violent patients as a percentage of all patients treated were about 23.1% of all those treated during 2015. As noted previously in [Section III.C.](#), because the hospitals will more rapidly discharge non-violent patients and retain violent patients for further treatment, at any given time, the hospital population had a much higher percentage of violent patients, usually between 42 to 47%.

In 2015, the 123 patients with 10 or more violent incidents in that year accounted for 33.7% of all violent patient on patient and patient on staff assault incidents; see [Section VII.A.](#) of this report for more information on this.

Figure F.6
2015 DSH Patients and Aggressors, 1 Square = 1 Patient



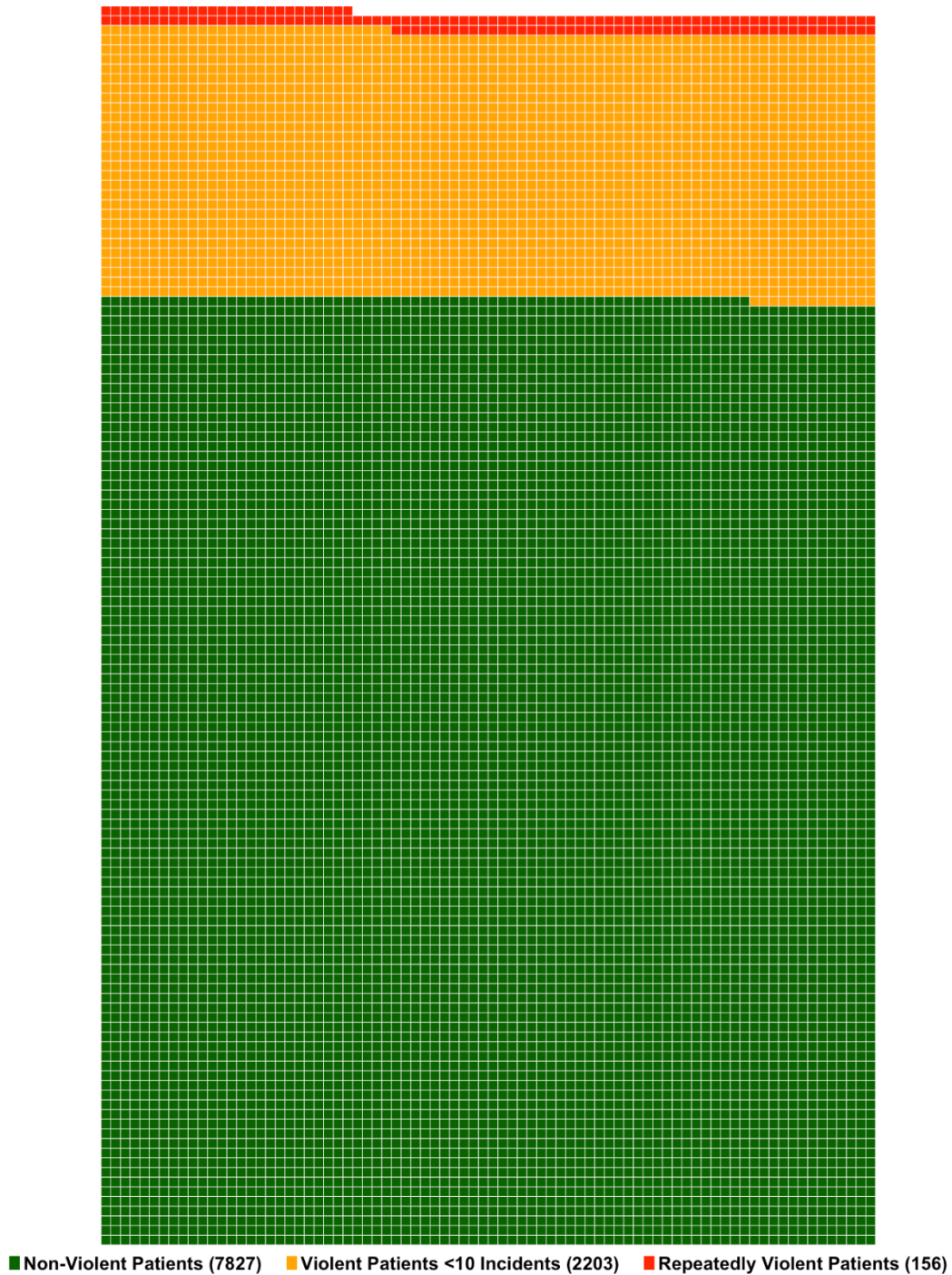
G. Patients and Aggressors in 2016

As can be seen in Figure F.7, in 2016 the number of patients treated in DSH hospitals totaled 10,186. Again, most patients (7,827) were not violent, but 2,359 patients were violent (the number of patients having 1-9 violent acts was 2,203, those with 10 or more violent acts numbered 156).

Thus, violent patients as a percentage of all patients treated were about 23.2% of all those treated during 2016. As noted previously in [Section III.C.](#), because the hospitals will more rapidly discharge non-violent patients and retain violent patients for further treatment, at any given time, the hospital population had a much higher percentage of violent patients, usually between 42 to 47%.

In 2016, the 153 patients with 10 or more violent incidents in that year accounted for 37.4% of all violent patient on patient and patient on staff assault incidents; see [Section VII.A.](#) of this report for more information on this.

Figure F.7
2016 DSH Patients and Aggressors, 1 Square = 1 Patient



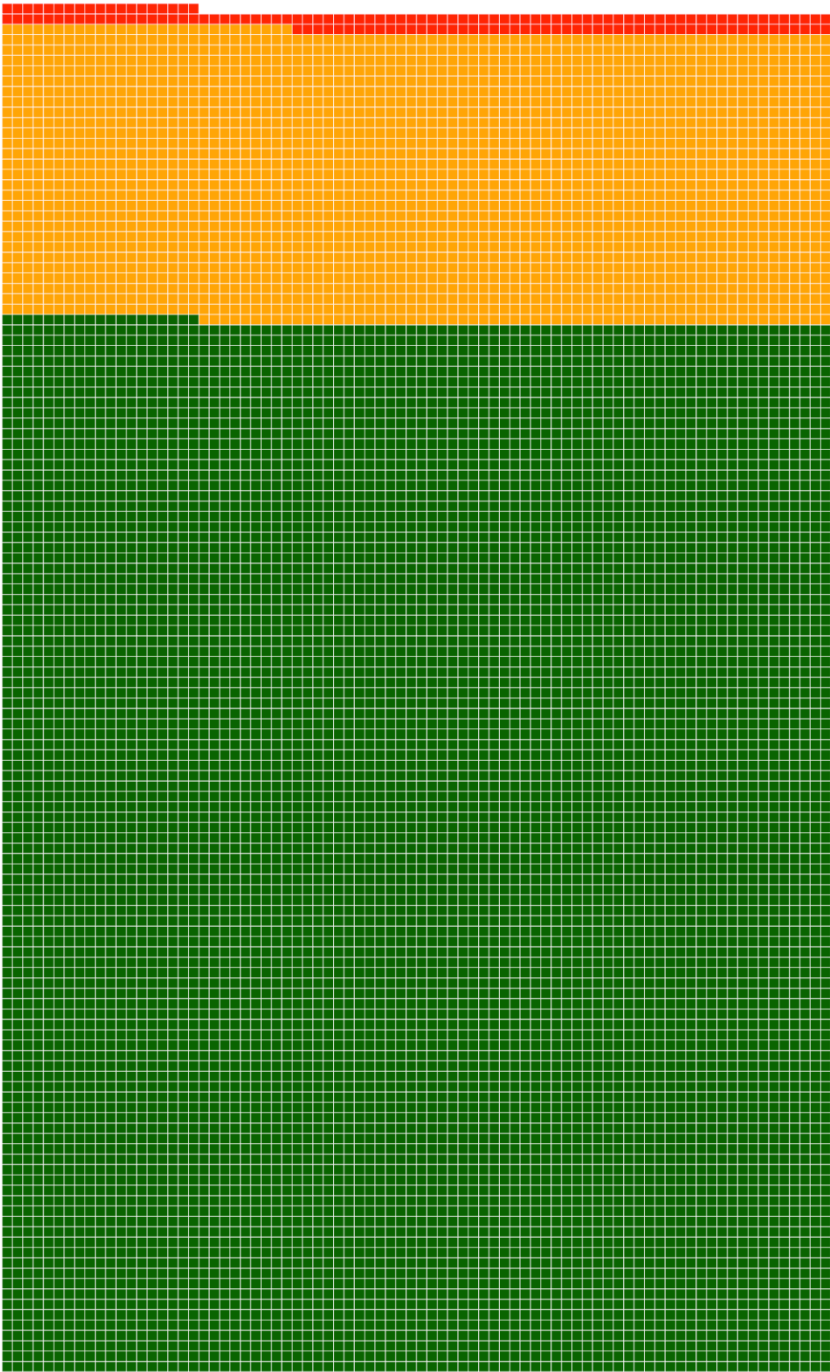
H. Patients and Aggressors in 2017

As can be seen in Figure F.8, in 2017 the number of patients treated in DSH hospitals totaled 10,499. Again, most patients (8,099) were not violent, but 2,400 patients were violent (the number of patients having 1-9 violent acts was 2,249, those with 10 or more violent acts numbered 151).

Thus, violent patients as a percentage of all patients treated were about 22.9% of all those treated during 2017. As noted previously in [Section III.C.](#), because the hospitals will more rapidly discharge non-violent patients and retain violent patients for further treatment, at any given time, the hospital population had a much higher percentage of violent patients, usually between 42 to 47%.

In 2017, the 151 patients with 10 or more violent incidents in that year accounted for 39.0% of all violent patient on patient and patient on staff assault incidents; see [Section VII.A.](#) of this report for more information on this.

Figure F.8
2017 DSH Patients and Aggressors, 1 Square = 1 Patient



■ Non-Violent Patients (8099) ■ Violent Patients <10 Incidents (2249) ■ Repeatedly Violent Patients (151)

Appendix G: Glossary of Legal Terms for Patient Commitments

OVERALL COMMITMENT/ CENSUS GROUP	LEGAL CLASS TEXT	LEGAL CODE SECTION	DESCRIPTION
PC 2684	PC2684	PC2684	Prisoner from the Department of Corrections
	PC2684A	PC2684A	Prisoner from the Department of Corrections
DJj	DJj	WIC 1756	Youth Authority Certification/Youth Authority Referral through Regional Office
PC 1370 IST	IST PC1370	PC1370 or Title 18 USC 4244	Incompetent to Stand Trial
IST (other)	MIST	PC 1370.01	Misdemeanant Incompetent to Stand Trial
	EIST	PC 1372(e)	Restored (IST) on Court Hold
	ROIST RO1370	PC 1610	Temporary Admission while waiting for Court Revocation of a PC 1370 (IST)
	DDIST	PC1370.1	Commitment as Incompetent to Stand Trial because of Developmental Disability (up to 6 months) and Mental Disorder
LPS	T.Cons	WIC 5353	Temporary Conservatorship
	CONS	WIC 5358	Conservatorship
	VOL	WIC 6000	Voluntary
	DET	WIC 5150	72-Hour Detention
	CERT	WIC 5250	14-Day Certification
	SUIC	WIC 5260	Additional 14-Day Certification
	POST	WIC 5304(a)	180-Day Post Certification – ONLY (until 6/91 used for pending cases also, see 37)
	ADD	WIC 5304(b)	Additional 180-Day Post Certification
	PC2974	PC 2974	Recommitment After Expiration of Prison Term (Must have concurrent W&I commitment)
	A-CERT	WIC 5270.15	30-Day Certification
PCD	WIC 5303	Pending Court Decision on 180-	

OVERALL COMMITMENT/ CENSUS GROUP	LEGAL CLASS TEXT	LEGAL CODE SECTION	DESCRIPTION
			Day Post Certification
	MURCON	WIC 5008(h)(1)(B)	Murphy's Conservatorship
	DMR	WIC 6500, 6509	Dangerous Mentally Retarded Committed by Court
	CAMR	WIC 4825, 6000(a)	Voluntary Adult Mentally Retarded Committed by Court
	VJCW	WIC 6552	Voluntary Juvenile Court Ward
	DMRH	WIC 6506	Hold Pending Hearing on W&I 6509 Petition
OMD (PC 2962/2964a)	PC2962	PC 2962	Parolee Referred from the Department of Corrections
	PC2964a	PC 2964(a)	Parolee Rehospitalized from Conrep after DMH hearing
OMD (PC 2972)	PC2972	PC 2972	Former Parolee Referred from Superior Court
	RO2972	PC 1610	Temporary Admission while waiting for Court Revocation of PC 2972
MDSO	MDSO	WIC 6316	Mentally Disordered Sex Offender – Observation
	MDSOI	WIC 6316	1. MDSOI Observation Indeterminate; 2. MDSO Return by Court
	ROMDSO	PC 1610	Temporary Admission while waiting for Court Revocation of MDSO
NGRI (PC1026)	NGI PC1026	PC 1026	Not Guilty by Reason of Insanity
NGRI (OTHER)	RONGI RO 1026	PC 1610	Temporary Admission while waiting for Court Revocation of a PC 1026 (NGI)
NGRI (Other)	MNGI	WIC 702.3	Minor Not Guilty by Reason of Insanity
SVP (W&I 6604)	SVP	WIC 6604	Sexually Violent Predator
SVP (W&I 6602)	SVPP	WIC 6602	Sexually Violent Predator Probably Cause
SVP (OTHER)	SVPH	WIC 6601.3	Sexually Violent Predator BPT Hold
	SVPE	WIC 6600	Sexually Violent Predator Court Hold

Appendix H: Brief Description of General Methodology

- Data for violent incidents from 1/1/2010 through 12/31/2018 was provided by the Data Management Office (DMO), and incidents using the Subcategory Codes for A2 (“Patient Assault”) or A4 (“Staff Assault”) were identified.
- From this file, all incidents coded with A2 (“Patient Assault”) were identified separated out into a new file.
 - Incidents were then arranged in order by Date and Incident Number and given a serial number.
 - This file was then “de-duplicated,” i.e., first occurrences of an incident number/serial number were kept, and entries with duplicated incident number/serial number were removed.
 - This “de-duplication” procedure then yielded a file with unique incidents and incident numbers; these were then counted to arrive at the number of unique incidents for a given year
- The same methodology was then used to identify all incidents coded with A4 (“Staff Assault”), i.e., we returned to the original file with all incidents and separated out those coded as A4 (“Staff Assault”), arranged these in order by Date and Incident Number, created a serial number, and then de-duplicated the entries in this file to arrive at a count of unique staff assaults.
- This process yielded the count of incidents. To determine the rates, the number of incidents in a given time period was then divided by the Average Daily Census (ADC) for that same time period (determined by data provided by the DMO). This yielded a rate measure of “incidents per patient day;” this was then multiplied by 1000 to produce the rate measure per 1000 patient days.
- This methodology was chosen because a single incident could include both a patient assault and a staff assault. Deduplicating a file containing both incident codes (without separating these out ahead of time) would keep one incident type, but not both. Separating out by codes first and then removing duplicate entries was seen as the preferred method to retain the maximum information possible and not preferentially highlight or ignore patient assaults over staff assaults, or vice versa.
- The same method was used to identify A2 and A4 incidents for each hospital, but first the data file was reduced to include just incidents from the hospital being analyzed. Additionally, the Average Daily Census data pertaining to that hospital was used to determine the total patient days for that hospital, in order to determine the rates of violence.

APPENDIX I: METHODOLOGY OF TRENDS OF MONTHLY RATES

Data such as the violence data presented in this report are ordered by date, or “time.” A collection of data points organized in chronological order is considered to be a “time series.” When time series data oscillates (such as the violence data, but also stock market data, for another example) it is common to estimate a trend for the data. There are various ways to estimate the trend at particular times, but a relatively simple procedure that does not make any assumptions about the underlying distribution of the time series is to calculate a moving average for each month centered on that month.

A moving average is an average of a specified number of time series values around each value in the time series. In this context, the length of the moving average, 12 months, was chosen to average out any seasonal effects in the time series. However, in order to average 12 consecutive months before and after a point, we have to be careful.

Suppose our time series begins at January (t = 1) and we average January up to December (t = 12). This average corresponds to a time t = 6.5, between June and July. When we come to estimate seasonal effects, we need a moving average at integer times. This can be achieved by averaging the average of January up to December and the average of February (t = 2) up to January (t = 13). This average of two moving averages corresponds to t = 7, and the process is called centering. Thus the trend at time t can be estimated by the centered moving average

$$x_1 = \frac{\frac{1}{2}x_{t-6} + x_{t-5} + x_{t-4} + x_{t-3} + x_{t-2} + x_{t-1} + x_1 + x_{t+1} + x_{t+2} + x_{t+3} + x_{t+4} + x_{t+5} + \frac{1}{2}x_{t+6}}{12}$$

In the equation above, for month 1, we would go back and take one-half the value six months prior, then take the full value five months prior, etc., summing all the way through to the full value five months after month 1, and then half the value at six months after month 1. The coefficients for each month are 1/12 (or sum to 1/12 in the case of the first and last coefficients), so that equal weight is given to each month and the coefficients sum to 1.

This also describes the reason why, if we wanted to present data in trend graphs that aligned with data in the monthly rates graphs that ended on the same date, we had to do so using data that ran six months ahead of the monthly data.

-END OF REPORT-