VIOLENCE REPORT
DSH VIOLENCE 2010 - 2017

DATA ANALYSIS

SAFETY
TREATMENT
RESPONSIBILITY
COMMUNICATION
RESPECT
EMPOWERMENT

Contents

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. Defined 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. Defined 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.
DSH	Department of State Hospitals
DJJ	Department of Juvenile Justice
IST	Incompetent to Stand Trial (PC1370)
LPS	Lanternman-Petris-Short
MDO	Mentally Disordered Offender
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 2017, the Department of State Hospital's (DSH) five freestanding hospitals experienced another increase in patients admitted 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 2017 totaled 10,499; this represents a 3.1% increase over the number of patients treated in 2016, and a 18.3% increase in patients treated in a year since 2010.

As with previous years, most patients treated in 2017 were not violent during this period (shown in green in Figure I.1, about 77.1% of all patients treated). Of the remaining patients treated, about 22.9%, committed an act of physical violence in 2017 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 2017 (designated as "repeatedly violent patients"). While numbering only 151 patients total during 2017, these repeatedly violent patients were responsible for 38.9% of all the assaults on both patients and staff during 2017.

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. In 2017, DSH implemented the new Cal/OSHA Workplace Violence Prevention in Health Care standards (California Code of Regulations, Title 8, Section 3342), which included new mandatory reporting requirements for violent incidents against staff. It is unclear if these new reporting requirements contributed to changes in violence rates during this period.

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 the disproportionate number of violent incidents due to them, details that are presented in Section II.5 of this report. The report then presents data on the monthly rates of violence, looking at monthly rates by patient commitment, hospital, and then (in the appendices) by hospital and patient legal commitment.

> ▸▸ In 2017, DSH treated 3.1% more patients than the previous year.

> ▸▸ Since 2010, DSH has seen a 18.3% increase in the unique number of patients treated.

> ▸▸ In 2017, the rate of patient-on-patient assault decreased 2.8% from the year prior.

> ▸▸ In 2017, the overall rate of patient-on-staff assault increased 14.9% from the year prior. The rate of assault where contact was made increased 6.9% while the rate where contact was attempted increased 25.3%.

> ▸▸ 1.4% of patients were responsible for 38.9% of all aggressive acts in 2017.

> ▸▸ There continues to be a decrease in the number of violent incidents that result in the need for medical treatment or outside hospitalization.

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

■ Non-Violent Patients (8099) ■ Violent Patients <10 Incidents (2249) ■ Repeatedly Violent Patients (151)
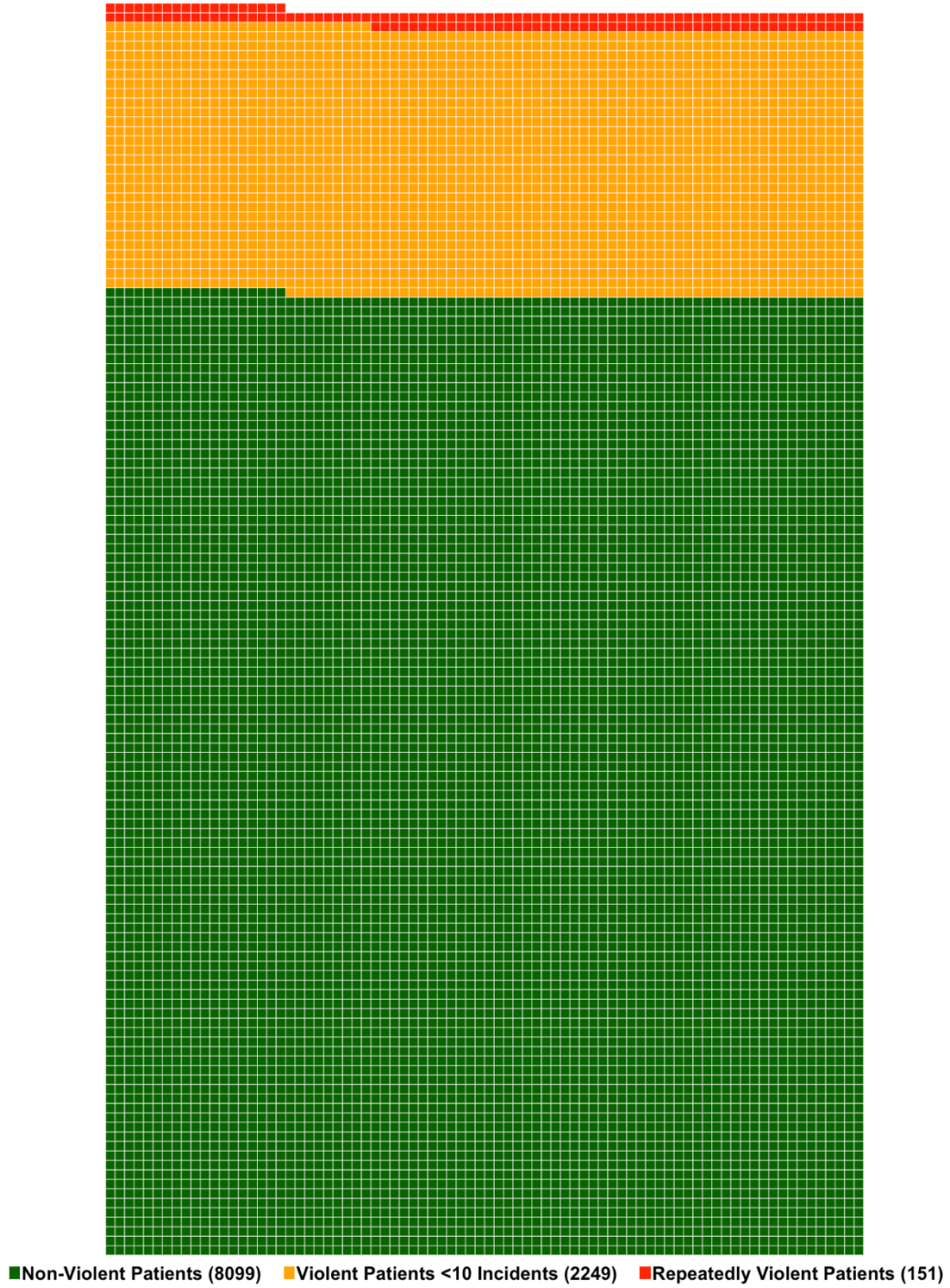
» *22.9% of the 10,499 patients treated have committed at least one violent act during their stay in DSH.*

» *A total of 151 patients had 10 or more acts of aggression in 2017.*

» *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*

Analysis of the 2017 data shows that compared to the previous year:

- There was a 3.1% increase in the unique number of patients treated, and a 0.6% increase in population measured in total patient days;

- DSH-wide, the rate of patient-on-patient assaults decreased by 2.8% and the overall rate of patient-on-staff assault increased by 14.9%. Using the data available since 2016, which classified staff assaults into "Contact Made" and "Contact Attempted" but not made, the largest increase was in the "Contact Attempted" category, which increased by the rate of 25.3%, while staff assaults classified as "Contact Made" increased by 6.9%, 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 II.2 and the Appendices as well as Section III.2 for further details);

- With the increase in population, the percentage of individual (unique) patients committing aggressive acts was slightly lower at 22.9% in 2017, compared to 23.2% in 2016 (in 2017, 2400 patients of the 10,499 treated committed a violent act, while in 2016, 2,359 of the 10,186 committed a violent act; for further information see Section II.2);

- There were continued reductions in the more serious levels of patient victim injuries from assault from last year's rates, (see Section II.4);

- There was a decrease from 156 down to 151 in the number of repeatedly violent patients who committed 10 or more assaults in 2017; (see Section II.5);

- For newly admitted patients, the first violent act occurred within 35 days of admission to the hospital. 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 II.1. D 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 II.1. E)

At the end of this report, supplementary data tables to provide additional detailed information are presented in the Appendices, as well as a Glossary of terms used in this report.

Section II: Overview of Violence Data

1. Yearly Summary of Patient-on-Patient and Patient-on-staff Assaults in DSH

A. 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.

The total number of patients treated at any point during the year in DSH hospitals has been steadily increasing over time.

Figure II.1
DSH Hospitals Total Patients Treated, by Year
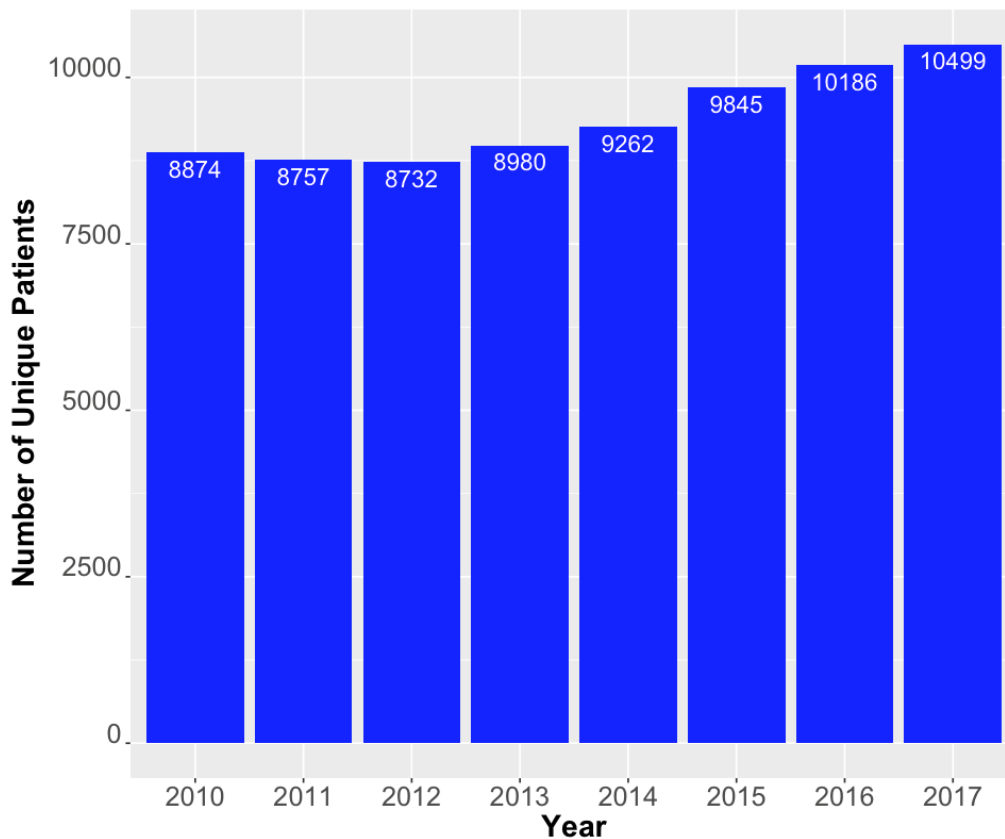
Similarly, the total number of patients residing in the hospital at any one time (tracked as the DSH "Average Daily Census") has also been increasing over time. The below graph shows the increase in Average Daily Census (ADC) at all five DSH hospitals, using the census on January 1, 2010 as the baseline.

Figure II.2
Change in Hospital Average Daily Census
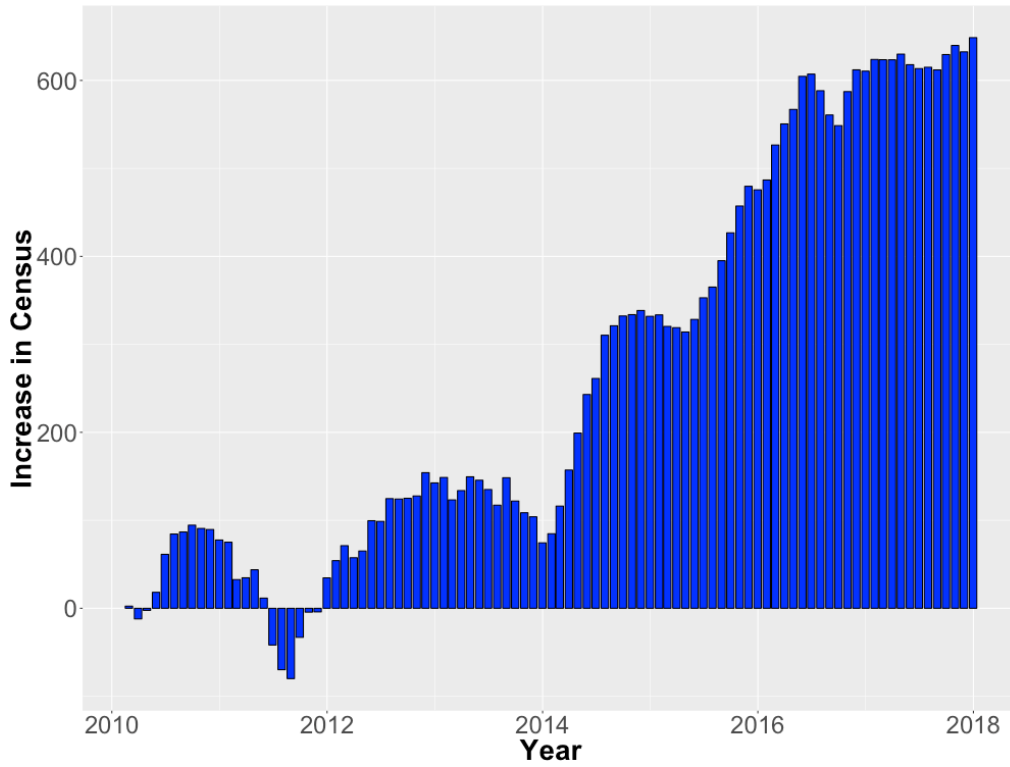
It is important to note that the changes in population have not been uniform across all the legal classes. The greatest population increases have been in the Incompetent to Stand Trial (IST) and Lanternman-Petris-Short (LPS) patient classes (see the glossary for a full description of these and all other 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
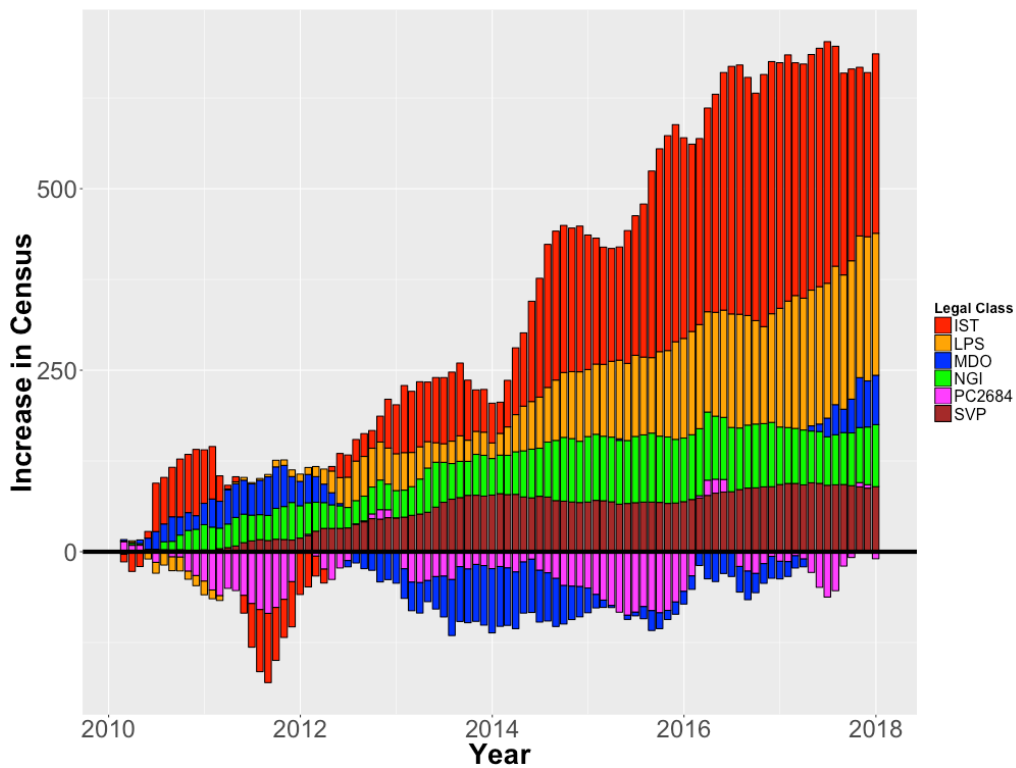
When analyzing violence over time, this underlying change in population means that using accurate comparisons across years will not be possible using yearly violence counts or totals. For this reason, this report will emphasize reporting violence using rates per 1,000 patient days. To better understand 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 the 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 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. Rates of Patient-on-Patient and Patient-on-staff Assaults per Year

>> *In 2017, the rate of patient-on-patient assault decreased 2.8% from the year prior.*

>> *In 2017, the overall rate of patient-on-staff assault increased 14.9% from the year prior. The rate of staff assault where contact was made increased 6.9% while the rate where contact was attempted increased 25.3%.*

As seen in the figure below of counts, the number of patient assaults on other patients (A2 patient-on-patient assaults) decreased in 2017, while the number of patient assaults against staff increased (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, <u>simple totals of violence</u> <u>per month or per year should not be used for analysis</u>. 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 <u>rate of violent incidents</u>. As noted in previous reports, DSH violence rates historically were reported in terms of "Monthly Totals," which is a measurement that fluctuates depending on the days of the month. Additionally, it does not take into account 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
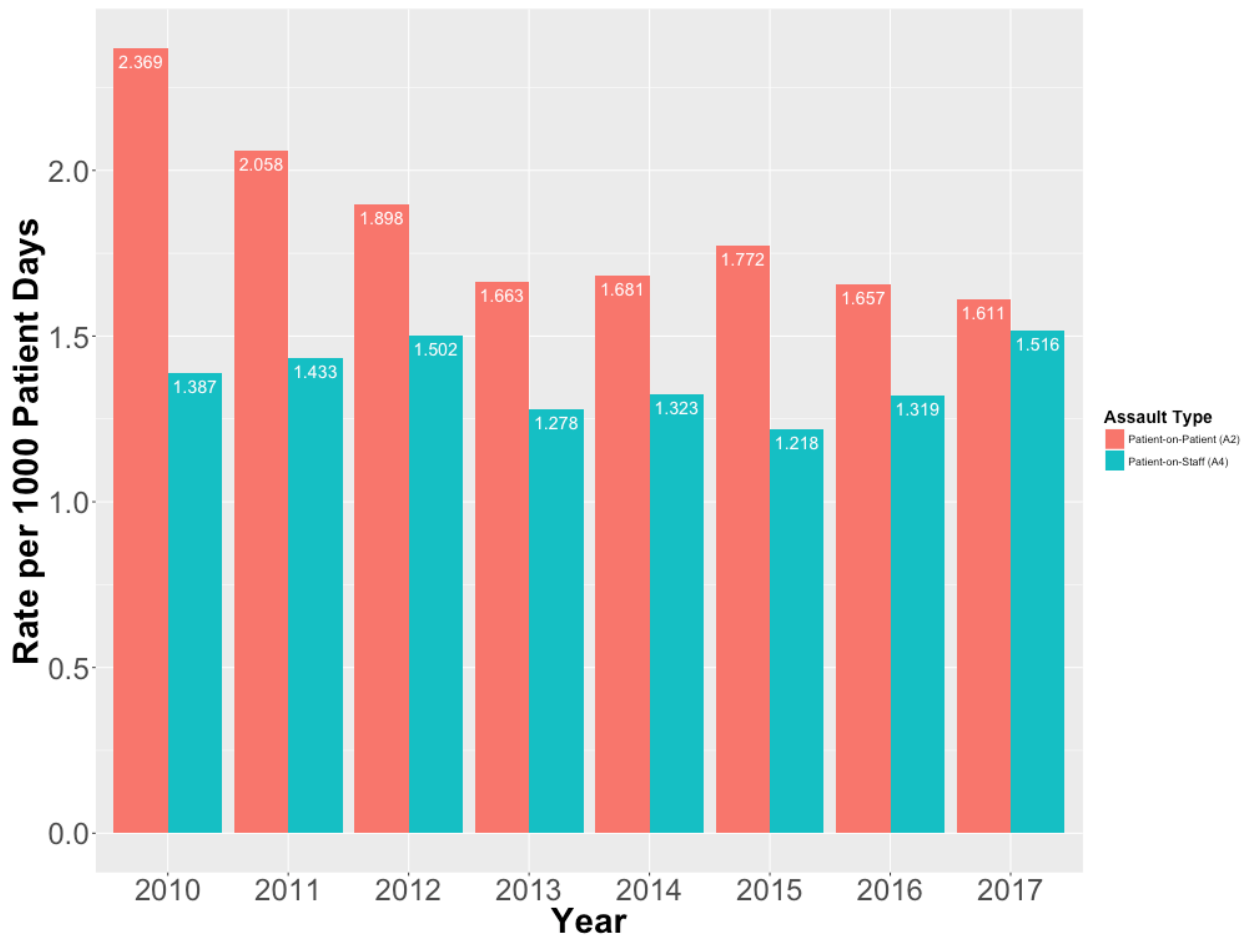
*Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient-on-staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient-on-staff (A4) either when physical contact was made **or** when physical contact was **attempted**. 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.1.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. Changes in Patient-on-staff Assault Definition and Data Collection Procedures

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, a uniform definition of patient-on-staff violence was determined; 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 and 61 in 2017, about 1.7% of the overall A4 Staff Assault total in both 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 2016, eight such incidents were reported and in 2017, nine 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
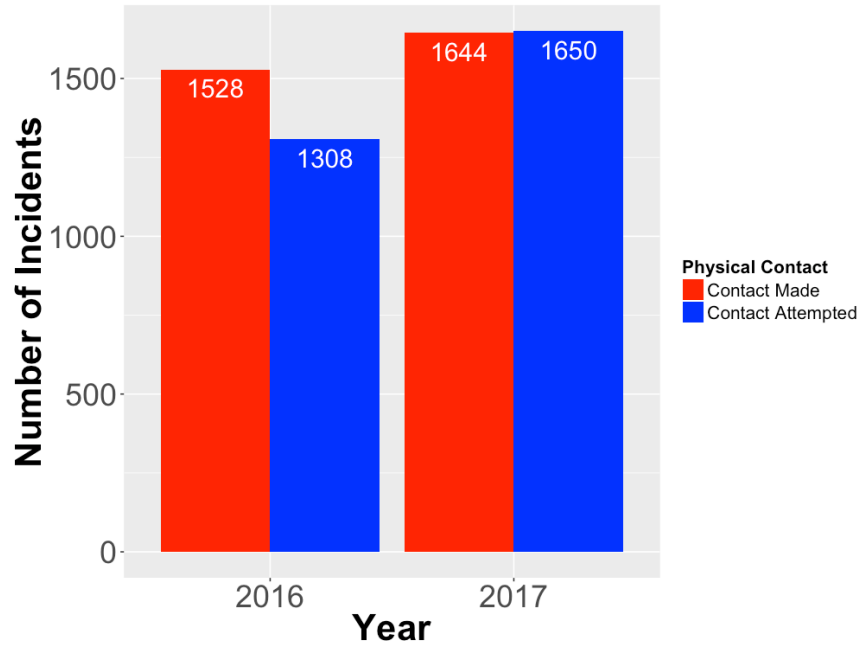
Note: Rates may not add up consistently due to rounding. Also, in 2016 63 staff assaults carried no information in the "Physical Contact" field (55 in 2017) so these incidents could not be included in the analysis and breakdown of this Physical Contact – Made or Attempted.

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.

In 2017, DSH implemented the new Cal/OSHA's new Workplace Violence Prevention in Health Care standards (California Code of Regulations, Title 8, Section 3342), which included new mandatory reporting requirements to report violent incidents against staff to Cal/OSHA beginning in July 2017. It is unclear if these new reporting requirements may have had an impact on the staff violence data in this report.

Figure II.7
DSH Wide Rate of Contact Made and Contact Attempted for Staff Assaults
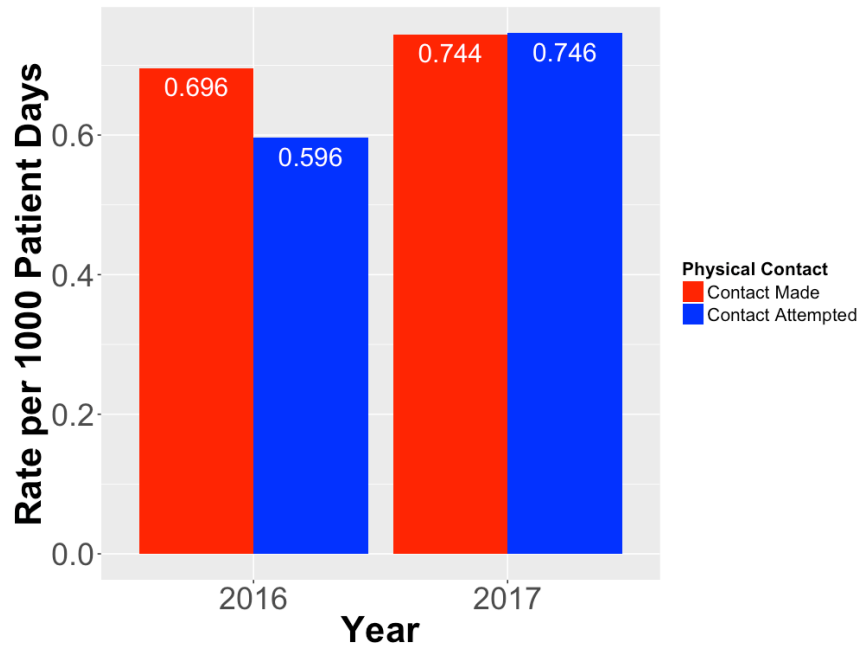
Note: Rates may not add up consistently due to rounding. Also, in 2016, 63 staff assaults carried no information in the "Physical Contact" field (similarly, 55 in 2017 carried no information) so these incidents could not be included in the analysis

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

Admission to a new hospital is a known risk period for dangerous, mentally ill patients, such as the 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 II.8
DSH New Admissions 2010-2017: When Violent Acts Occur –
Days to First Violent Act After Admission
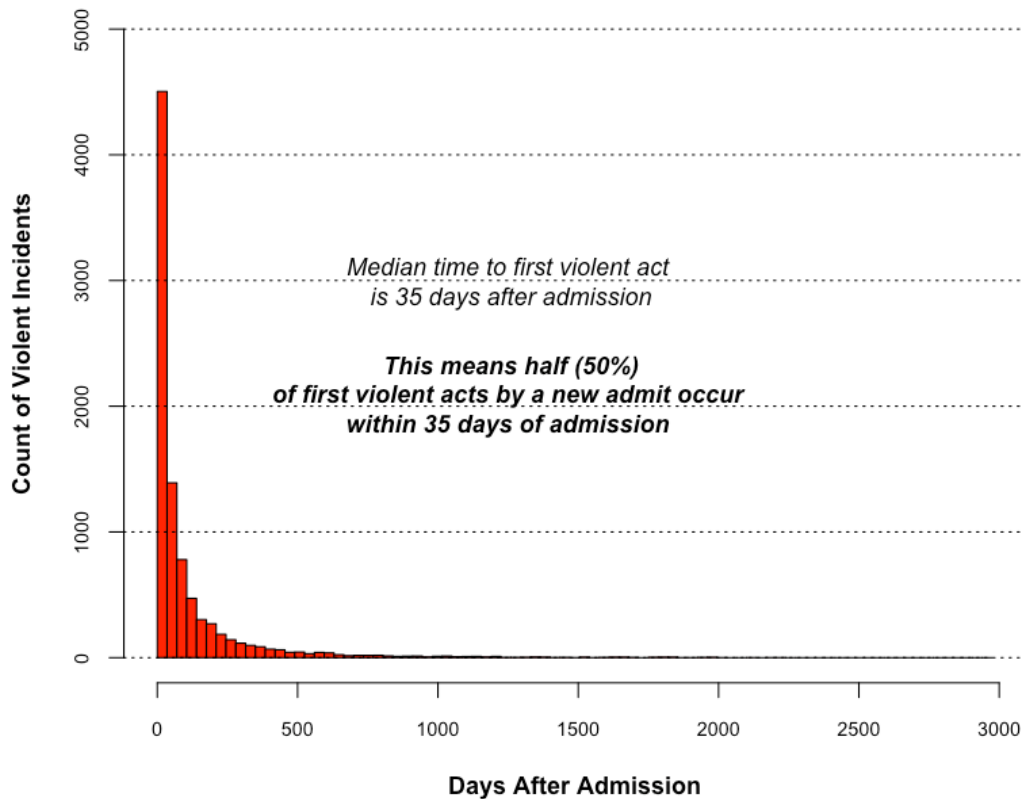
Note: the bars in this figure are 35 days wide, so the first bar shows the total number of violent acts during days 1-35, the second bar shows the total number of violent acts during days 36-70, etc.

Figure II.8 shows when the first violent act by new admits (since 2010) occurs. It is clear that the first violent act occurs soon after admission. In fact, when all violent acts are reviewed (and not just the first act) most violent acts by newly admitted patients occur within about 120 days after

admission. This leaves very little margin for treatment teams to assess, plan and initiate treatments to reduce violence risk.

Figure II.9
DSH New Admissions 2010-2017: When Violent Acts Occur –
All Violent Acts - Days After Admission
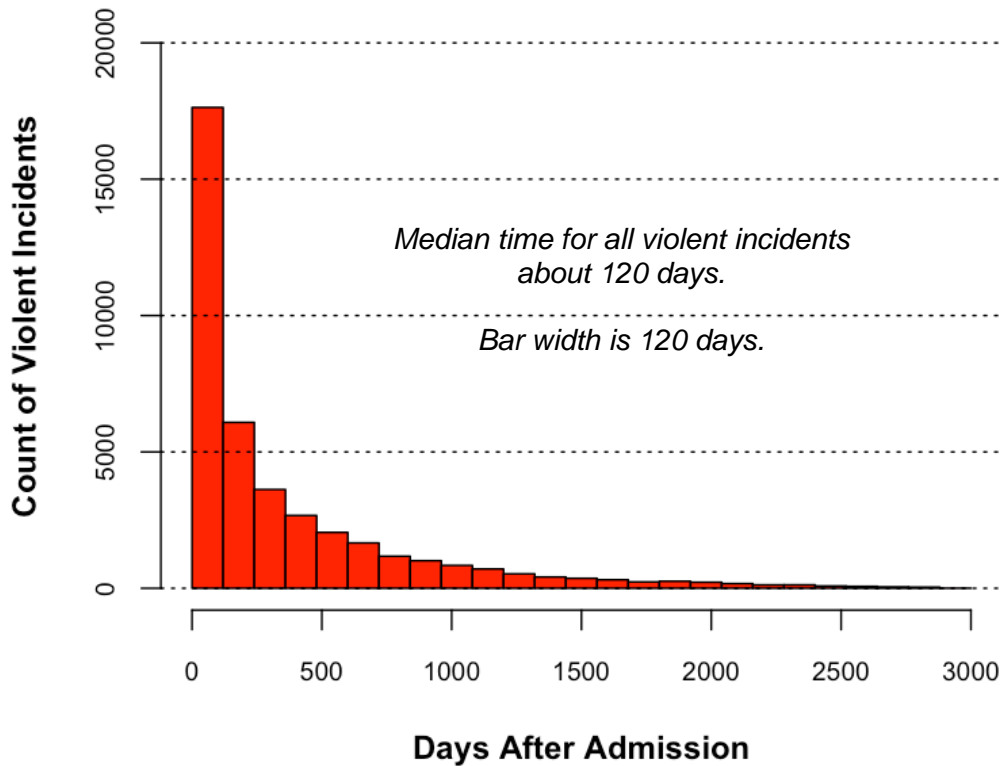
As can be seen by Figure II.9, the time immediately after admission is a critical time for each patient and the staff treating them. In terms of violence, this is the time the patient is most at risk of committing a violent act. Similarly, this is also the time that other patients and staff are most 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 without necessary background and historical information that could be useful in reducing mental illness symptoms and violence in these patients.

E. 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 while hospitalized, occurring soon after the previous violent episode.

Examining the data on patients with violent incidents, Table II.1 shows that during the most recent full calendar year (2017), 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.

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	8099	-
1 or more	2400	-
2 or more	1249	1249 / 2400 = 52.0%
3 or more	770	770 / 1249 = 61.6%
4 or more	540	540 / 770 = 70.1%
5 or more	413	413 / 540 = 76.5%
6 or more	334	334 / 413 = 80.9%
7 or more	281	281 / 334 = 84.1%
8 or more	223	223 / 281 = 79.4%
9 or more	182	182 / 223 = 81.6%
10 or more	151	151 / 182 = 83.0%

F. 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 2010-2017, 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.

Table II.2
Median Length of Hospitalization (In Days) for Patients in 2017, All Legal Classes

NUMBER OF VIOLENT ACTS	MEDIAN HOSPITALIZATION (DAYS)
None	111
One	140
Two	168
Three or Four	203
Five to Nine	296
Ten or More	539

These longer periods of hospitalization for the most violent patients has the consequence of increasing the percentage of violent patients (see Section II.1.G)

G. 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 committing violent acts 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. If a patient in DSH is violent while hospitalized, they are retained and generally treated for longer. As can be seen in Figure II.10 (and in more detail on Figure II.11) the percentage of patients residing in DSH who were violent in a DSH hospital during their treatment stay has been increasing.

Figure II.10
DSH Hospitals 2013-2017 Daily Percentage of In-Hospital Assaultive Patients Residing in Hospitals
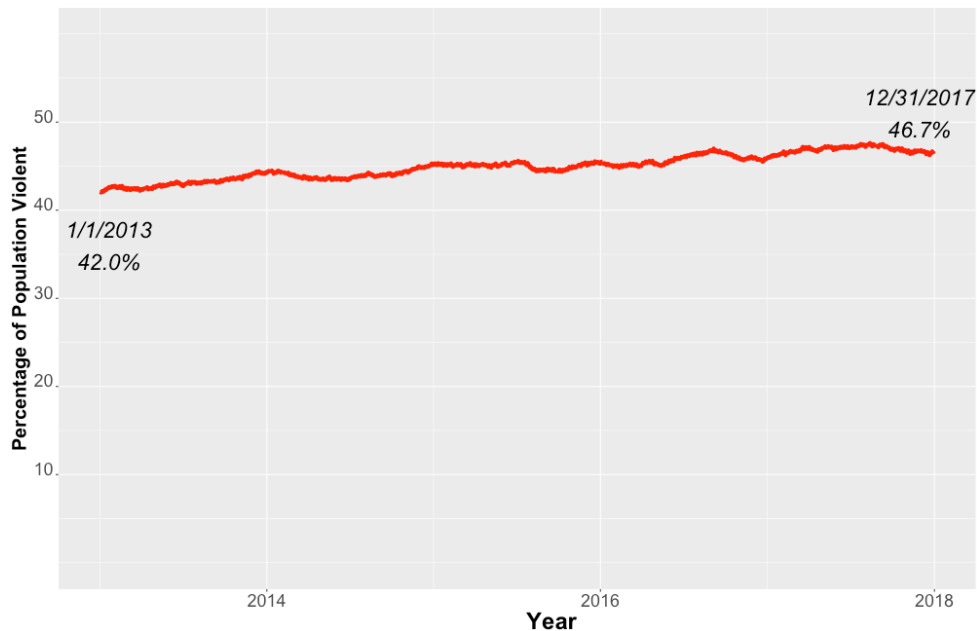
Because violent patients are more likely to be violent again while hospitalized, and the composition of patients in DSH hospitals is becoming increasingly violent, there are reasons to be concerned about the potential for increased risk and exposure to violence in our hospitals, for both patients and staff.

2. Rates of Violence, By Hospital

A. DSH-Atascadero

Figure II.12
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Atascadero
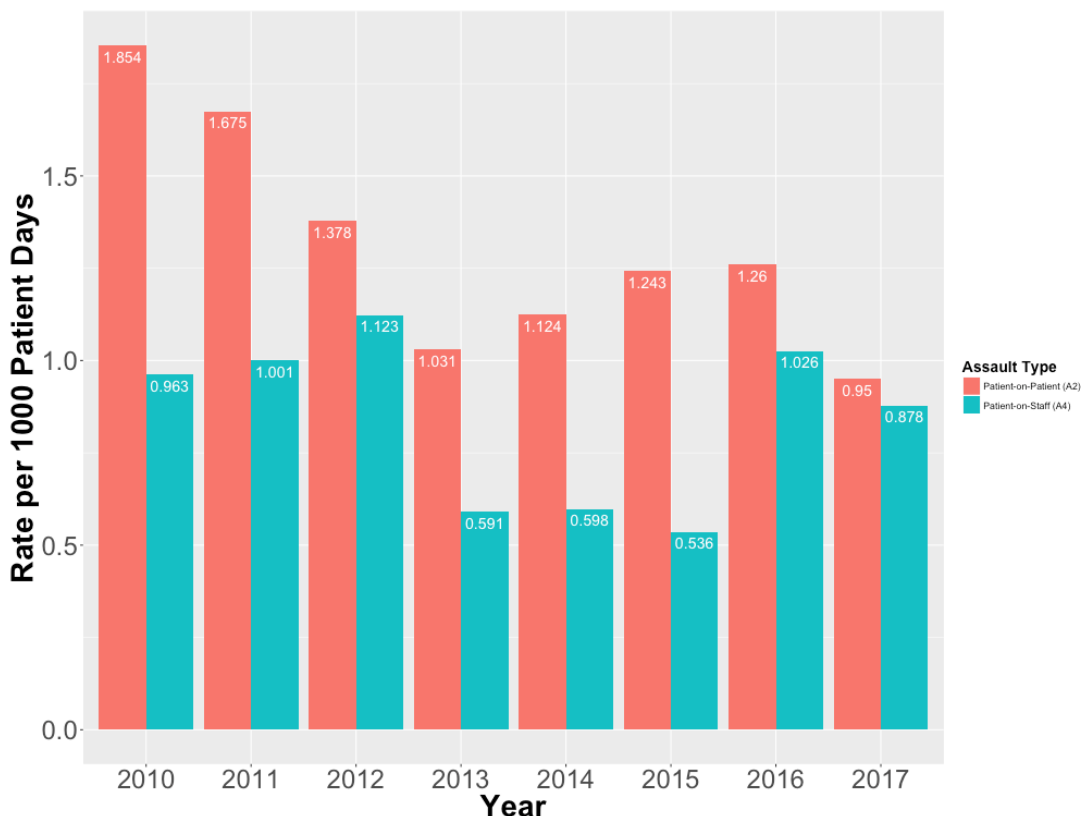
Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient-on-staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient-on-staff (A4) either when physical contact was made **or** when physical contact was **attempted**. 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 2017 the number of patient-on-patient assaults decreased 24.2% from the 2016 total (see Table II.4), while the number of patient-on-staff assaults decreased by 13.9% from 2016 (see Table II.5).*

➤ *Coupled with a population increase (measured in "total patient days") in 2017 of 0.6%, the rate of patient-on-patient assault decreased 24.6% from 2016 (see Table II.4), while the rate of patient-on-staff assault decreased 14.4% from 2016 (see Table II.5).*

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

Table II.3
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	414313	1.854	NA
2011	684	408478	1.675	-9.7
2012	550	399075	1.378	-17.7
2013	396	384207	1.031	-25.2
2014	442	393194	1.124	9
2015	503	404796	1.243	10.6
2016	538	427041	1.26	1.4
2017	408	429536	0.95	-24.6

Table II.4
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	414313	0.963	NA
2011	409	408478	1.001	3.9
2012	448	399075	1.123	12.2
2013	227	384207	0.591	-47.4
2014	235	393194	0.598	1.2
2015	217	404796	0.536	-10.4
2016	438	427041	1.026	91.4
2017	377	429536	0.878	-14.4

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 II.13
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Atascadero
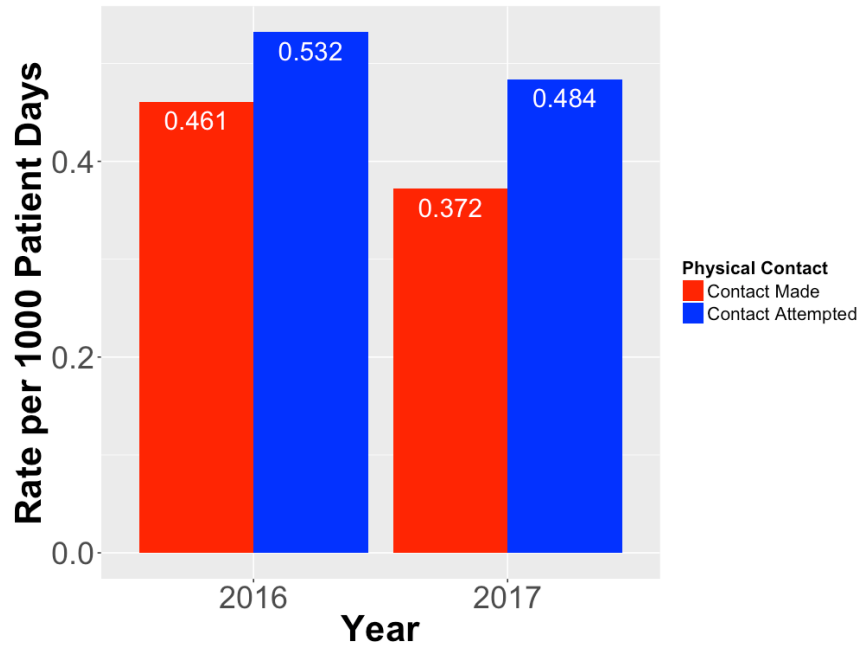
Table II.5
DSH – Atascadero Staff Assaults – Physical Contact Made and Contact Attempted

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

B. DSH-Coalinga

Figure II.14
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Coalinga
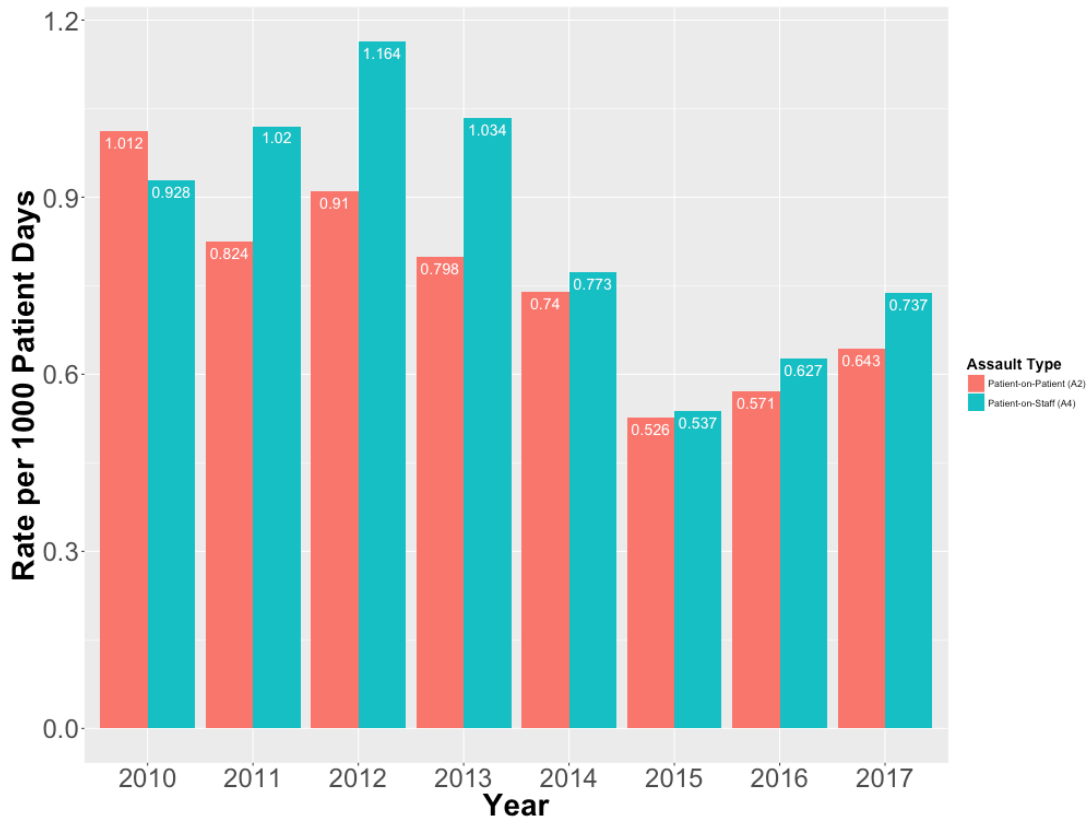
> ⏩ *While percentages vary across different legal classes, overall, in 2017 the number of patient-on-patient assaults increased 13.5% from the 2016 total (see Table II.6), while the number of patient-on-staff assaults increased by 18.5% from 2016 (see Table II.7).*

> ⏩ *Coupled with a population increase (measured in "total patient days") in 2017 of 0.8%, the rate of patient-on-patient assault increased 12.6% from 2016 (see Table II.6), while the rate of patient-on-staff assault increased 17.5% from 2016 (see Table II.7).*

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

Table II.6
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	465696	0.571	8.6
2017	302	469359	0.643	12.6

Table II.7
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	465696	0.627	16.8
2017	346	469359	0.737	17.5

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

Figure II.15
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Coalinga
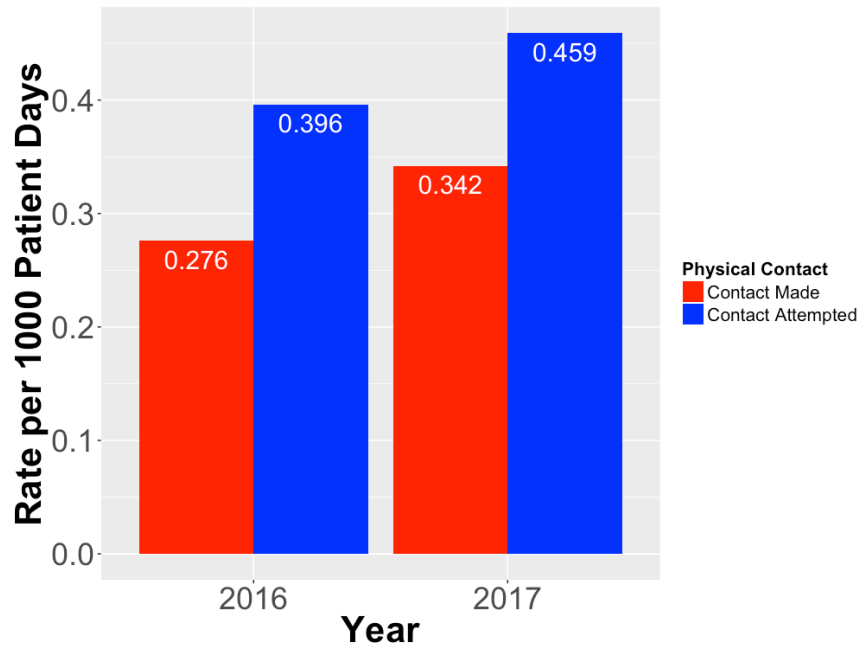
Table II.8
DSH – Coalinga Staff Assaults – Physical Contact Made and Contact Attempted

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

C. DSH-Metropolitan

Figure II.16
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Metropolitan
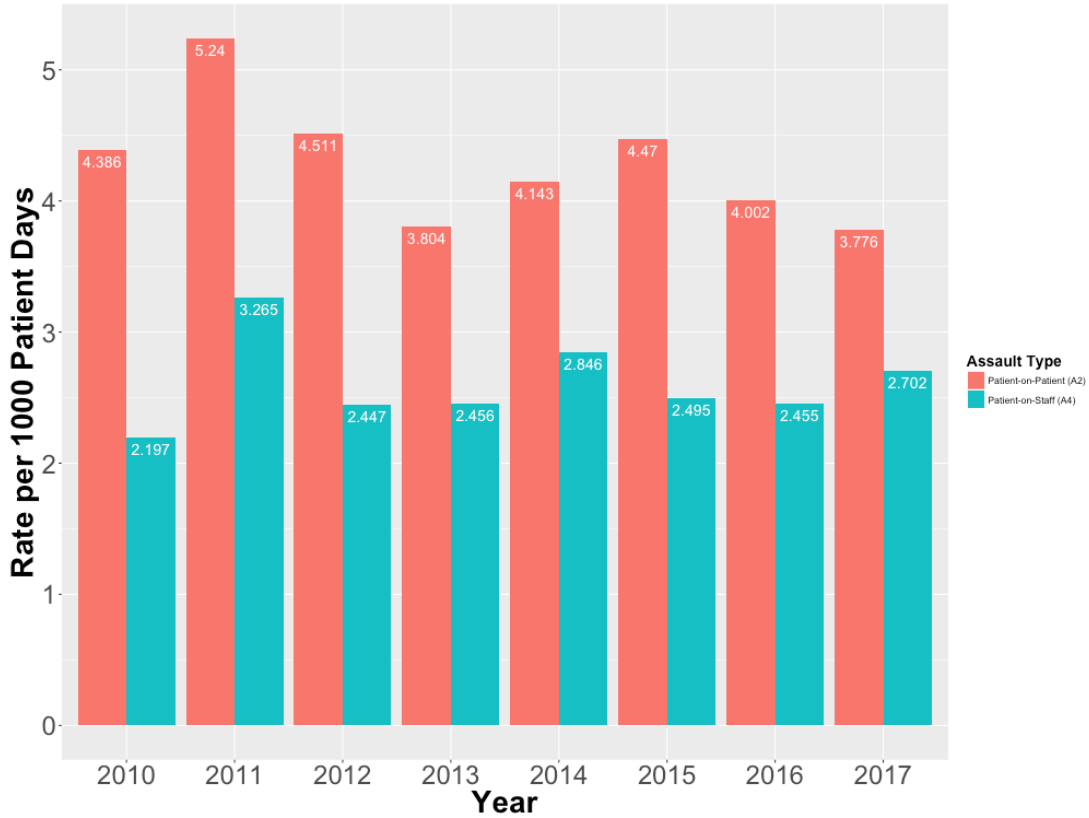
> ⏭ *While percentages vary across different legal classes, overall, in 2017 the number of patient-on-patient assaults remained the same from the 2016 total (see Table II.9), while the number of patient-on-staff assaults increased by 13.7% from 2016 (see Table II.10).*

> ⏭ *Coupled with a population increase (measured in "total patient days") in 2017 of 6.0%, the rate of patient-on-patient assault decreased 5.6% from 2016 (see Table II.9), while the rate of patient-on-staff assault increased 10.1% from 2016 (see Table II.10).*

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

Table II.9
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	235768	4.386	NA
2011	1186	226342	5.24	19.5
2012	1060	234956	4.511	-13.9
2013	909	238968	3.804	-15.7
2014	1070	258248	4.143	8.9
2015	1193	266883	4.47	7.9
2016	1097	274136	4.002	-10.5
2017	1097	290517	3.776	-5.6

Table II.10
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	235768	2.197	NA
2011	739	226342	3.265	48.6
2012	575	234956	2.447	-25.1
2013	587	238968	2.456	0.4
2014	735	258248	2.846	15.9
2015	666	266883	2.495	-12.3
2016	673	274136	2.455	-1.6
2017	785	290517	2.702	10.1

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

Figure II.17
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Metropolitan
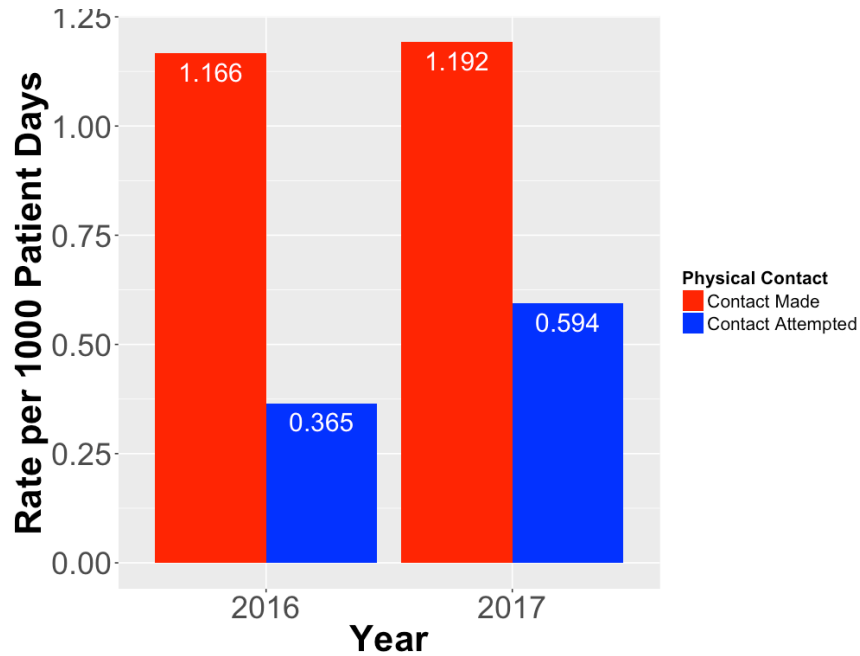
Table II.11
DSH – Metropolitan Staff Assaults – Physical Contact Made and Contact Attempted

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

D. DSH-Napa

Figure II.18
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Napa
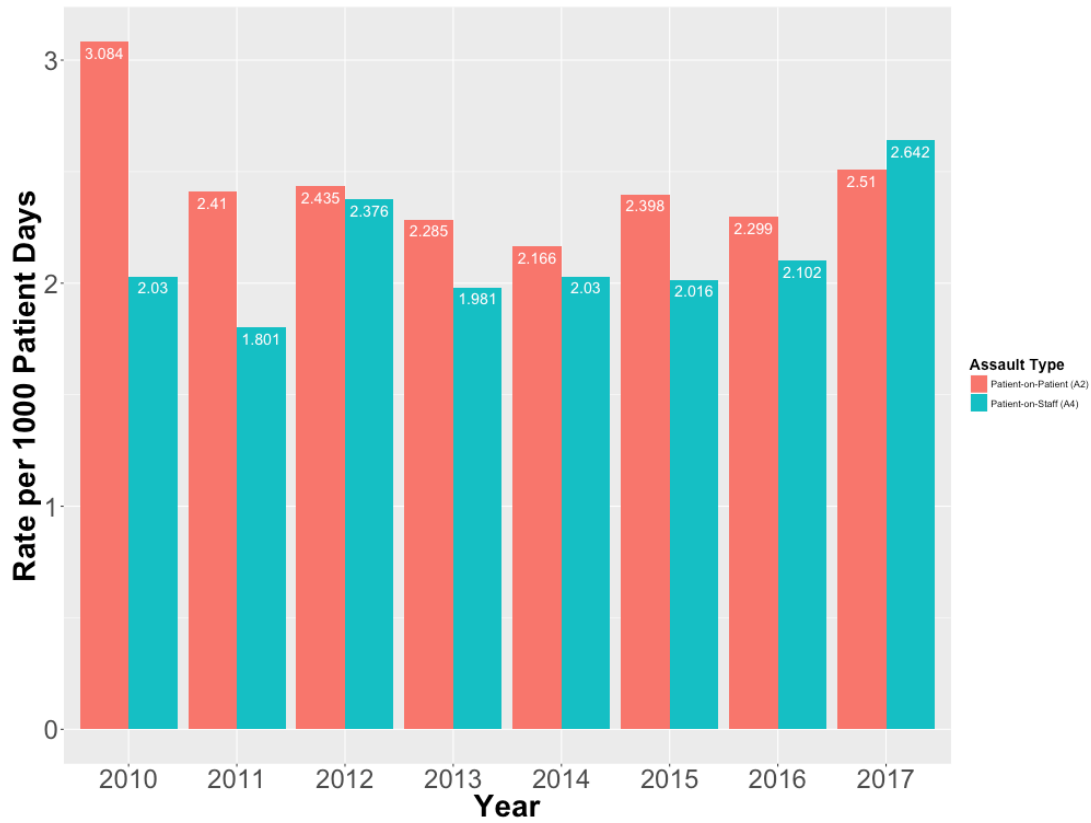
⟫ *While percentages vary across different legal classes, overall, in 2017 the number of patient-on-patient assaults increased 8.8% from the 2016 total (see Table II.6), while the number of patient-on-staff assaults increased by 25.3% from 2016 (see Table II.7).*

⟫ *Coupled with a population decrease (measured in "total patient days") in 2017 of 0.3%, the rate of patient-on-patient assault increased 9.2% from 2016 (see Table II.6), while the rate of patient-on-staff assault increased 25.7% from 2016 (see Table II.7).*

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

Table II.12
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	427010	3.084	NA
2011	1037	430347	2.41	-21.9
2012	1075	441413	2.435	1
2013	999	437114	2.285	-6.2
2014	939	433559	2.166	-5.2
2015	1054	439490	2.398	10.7
2016	1052	457568	2.299	-4.1
2017	1145	456130	2.51	9.2

Table II.13
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	427010	2.03	NA
2011	775	430347	1.801	-11.3
2012	1049	441413	2.376	31.9
2013	866	437114	1.981	-16.6
2014	880	433559	2.03	2.5
2015	886	439490	2.016	-0.7
2016	962	457568	2.102	4.3
2017	1205	456130	2.642	25.7

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

Figure II.19
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Napa
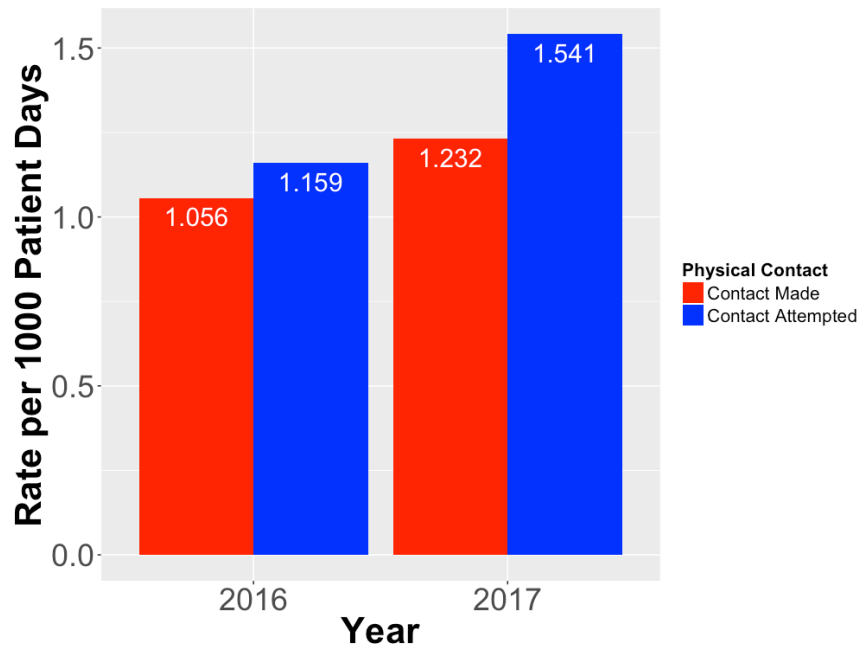
Table II.14
DSH – Napa Staff Assaults – Physical Contact Made and Contact Attempted

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

E. DSH-Patton

Figure II.20
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Patton

➤➤ *While percentages vary across different legal classes, overall, in 2017 the number of patient-on-patient assaults decreased 11.2% from the 2016 total (see Table II.6), while the number of patient-on-staff assaults increased by 20.2% from 2016 (see Table II.7).*

➤➤ *Coupled with a population decrease (measured in "total patient days") in 2017 of 1.2%, the rate of patient-on-patient assault decreased 10.2% from 2016 (see Table II.6), while the rate of patient-on-staff assault increased 21.6% from 2016 (see Table II.7).*

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

Table II.15
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	574959	2.07	NA
2011	882	564601	1.562	-24.5
2012	815	571765	1.425	-8.8
2013	751	570062	1.317	-7.6
2014	723	567459	1.274	-3.3
2015	775	566620	1.368	7.4
2016	686	571873	1.2	-12.3
2017	609	564779	1.078	-10.2

Table II.16
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	574959	1.023	NA
2011	557	564601	0.987	-3.5
2012	531	571765	0.929	-5.9
2013	500	570062	0.877	-5.6
2014	569	567459	1.003	14.4
2015	577	566620	1.018	1.5
2016	531	571873	0.929	-8.7
2017	638	564779	1.13	21.6

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

Figure II.21
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Patton
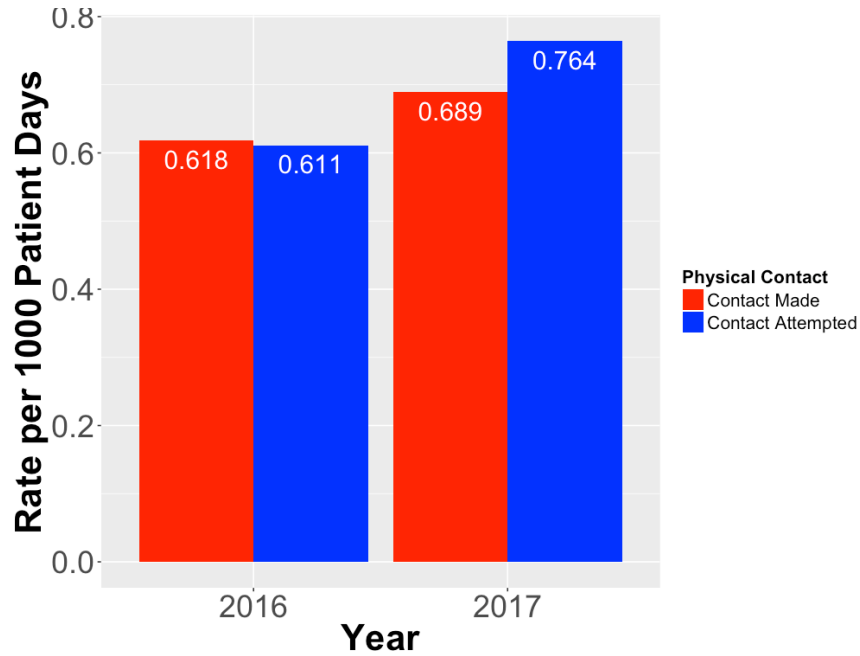
Table II.17
DSH – Patton Staff Assaults – Physical Contact Made and Contact Attempted

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

3. Number of Individual (Unique) Patient Aggressors

Patients and Aggressors in 2010

As can be seen in Figure II.22, in 2010 the total number of patients treated in DSH hospitals during the year numbered about 8,900. Of these, most patients were not violent (shown in green), while a total of 2,426 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 II.1.F, 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 II.5 of this report for more information on this.

Figure II.22
2010 DSH Patients and Aggressors, 1 Square = 1 Patient

■ Non-Violent Patients (6448) ■ Violent Patients <10 Incidents (2254) ■ Repeatedly Violent Patients (172)

Patients and Aggressors in 2011

As can be seen in Figure II.23, in 2011 the total number of patients treated in DSH hospitals during the year numbered about 8,800. Of these, most patients 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 27.2% of all those treated during 2011. As noted previously in Section II.1.F, 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 around 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 II.5 of this report for more information on this.

Figure II.23
2011 DSH Patients and Aggressors, 1 Square = 1 Patient

■Non-Violent Patients (6370) ■Violent Patients <10 Incidents (2239) ■Repeatedly Violent Patients (148)
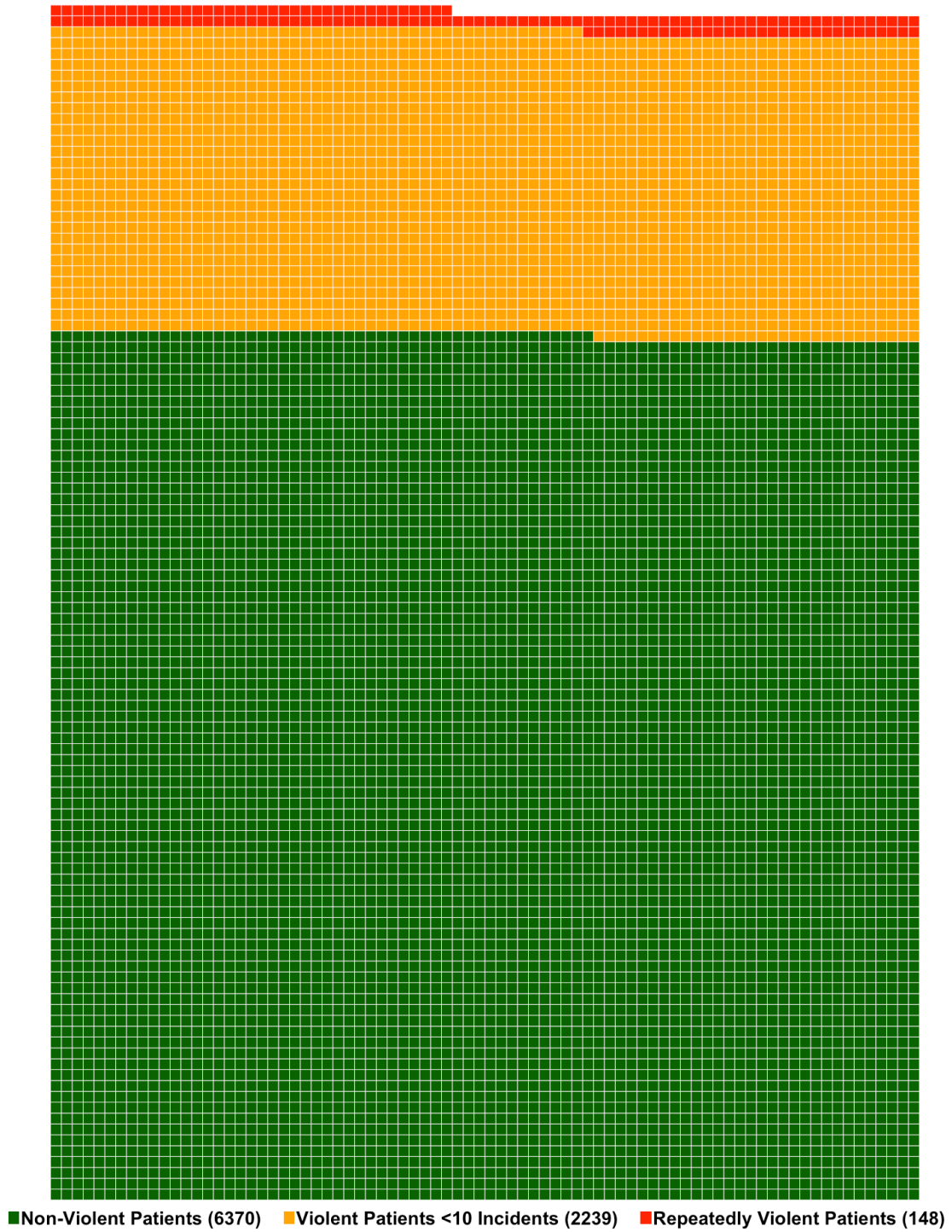
Patients and Aggressors in 2012

As can be seen in Figure II.24, in 2012 the total number of patients treated in DSH hospitals was over 8,700. Of these, most patients 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 II.1.F, 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 around 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 II.5 of this report for more information on this.

Figure II.24
2012 DSH Patients and Aggressors, 1 Square = 1 Patient

■Non-Violent Patients (6510)　■Violent Patients <10 Incidents (2063)　■Repeatedly Violent Patients (159)
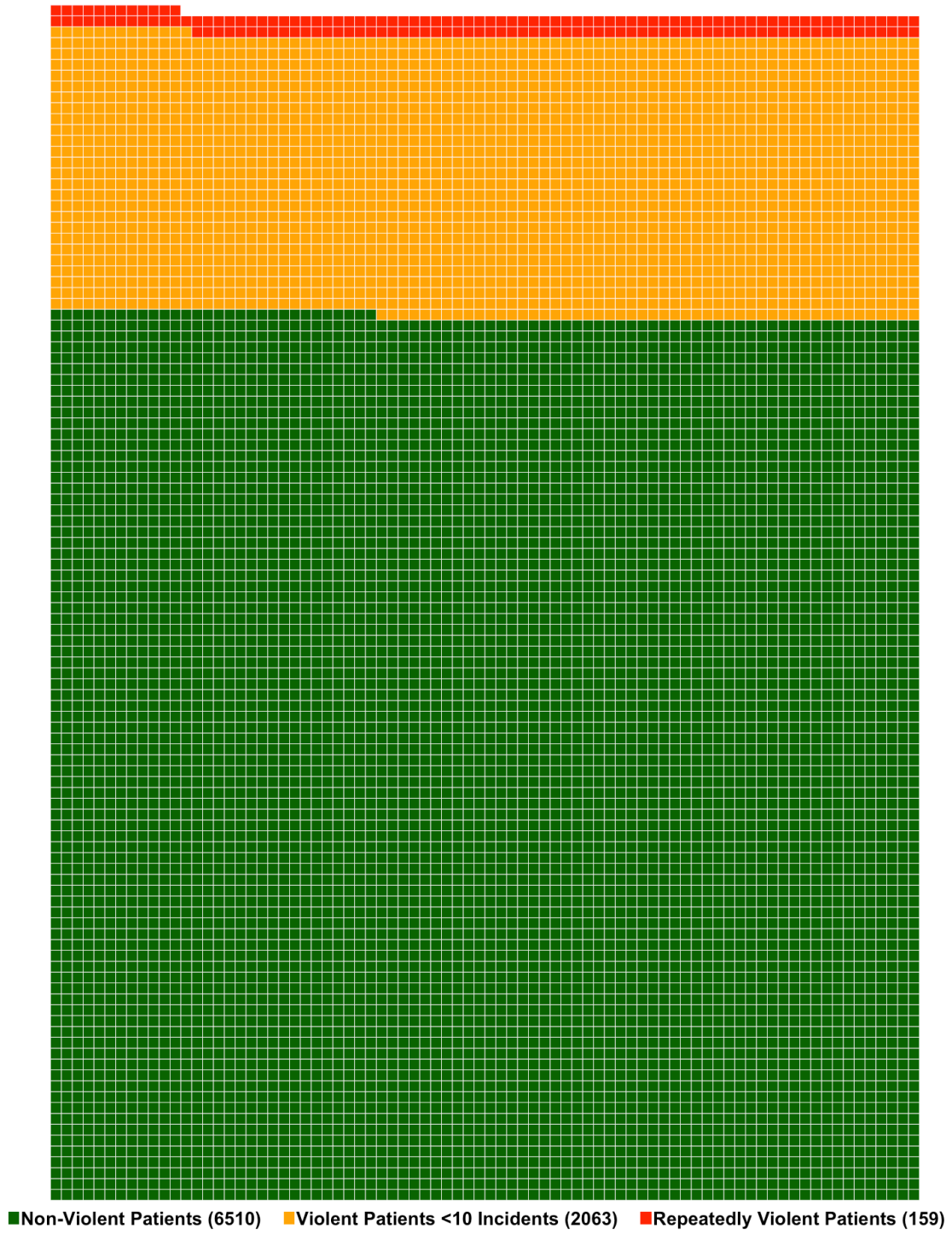
Patients and Aggressors in 2013

As can be seen in Figure II.25, in 2013 the total number of patients treated in DSH hospitals was about 9,000. Again, most patients 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 II.1.F, 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 around 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 II.5 of this report for more information on this.

Figure II.25
2013 DSH Patients and Aggressors, 1 Square = 1 Patient

■Non-Violent Patients (6849) ■Violent Patients <10 Incidents (2014) ■Repeatedly Violent Patients (117)
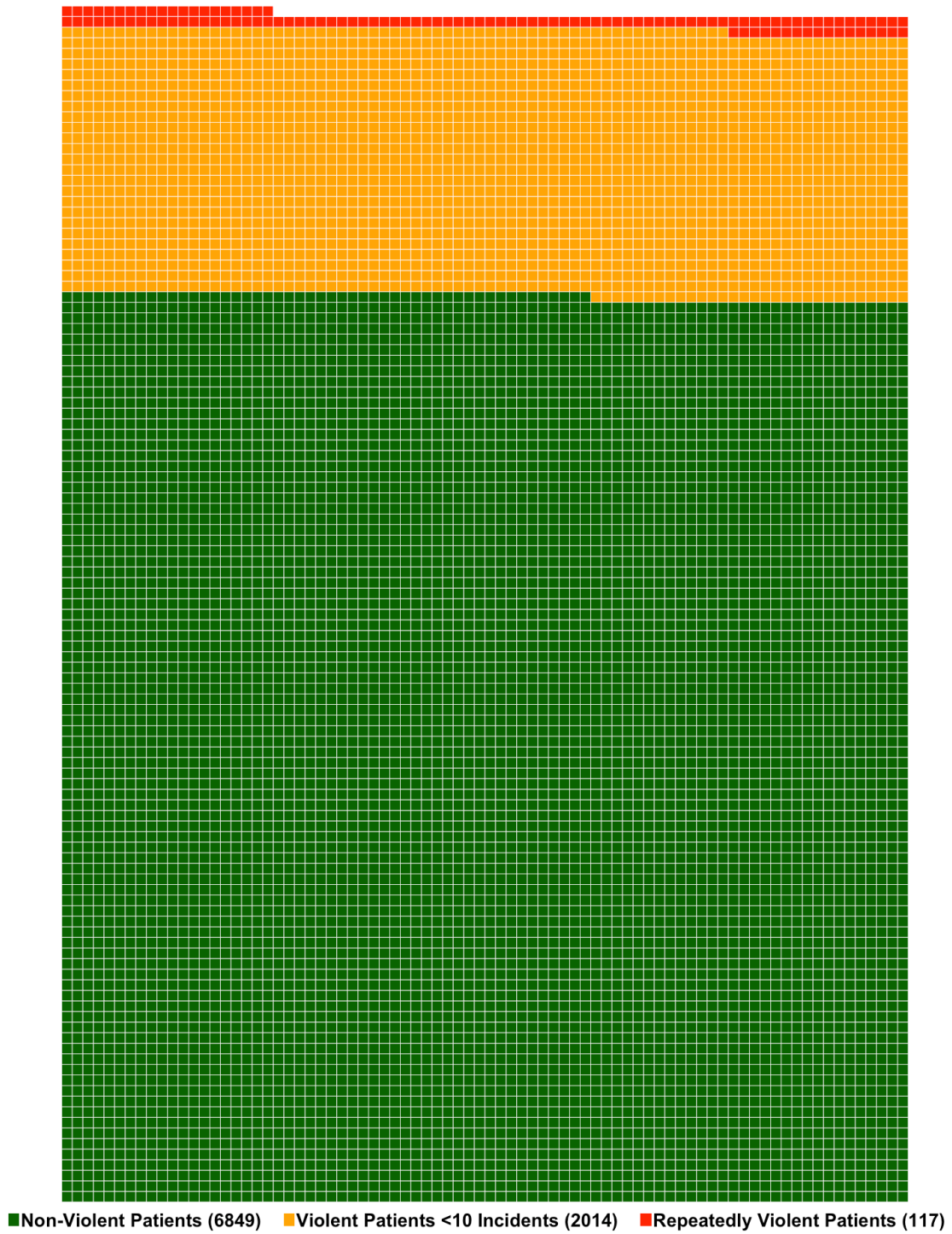
Patients and Aggressors in 2014

As can be seen in Figure II.26, in 2014 the total number of patients treated in DSH hospitals was over 9,200. Again, most patients 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 II.1.F, 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 around 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 II.5 of this report for more information on this.

Figure II.26
2014 DSH Patients and Aggressors, 1 Square = 1 Patient

Non-Violent Patients (7082)   Violent Patients <10 Incidents (2069)   Repeatedly Violent Patients (111)
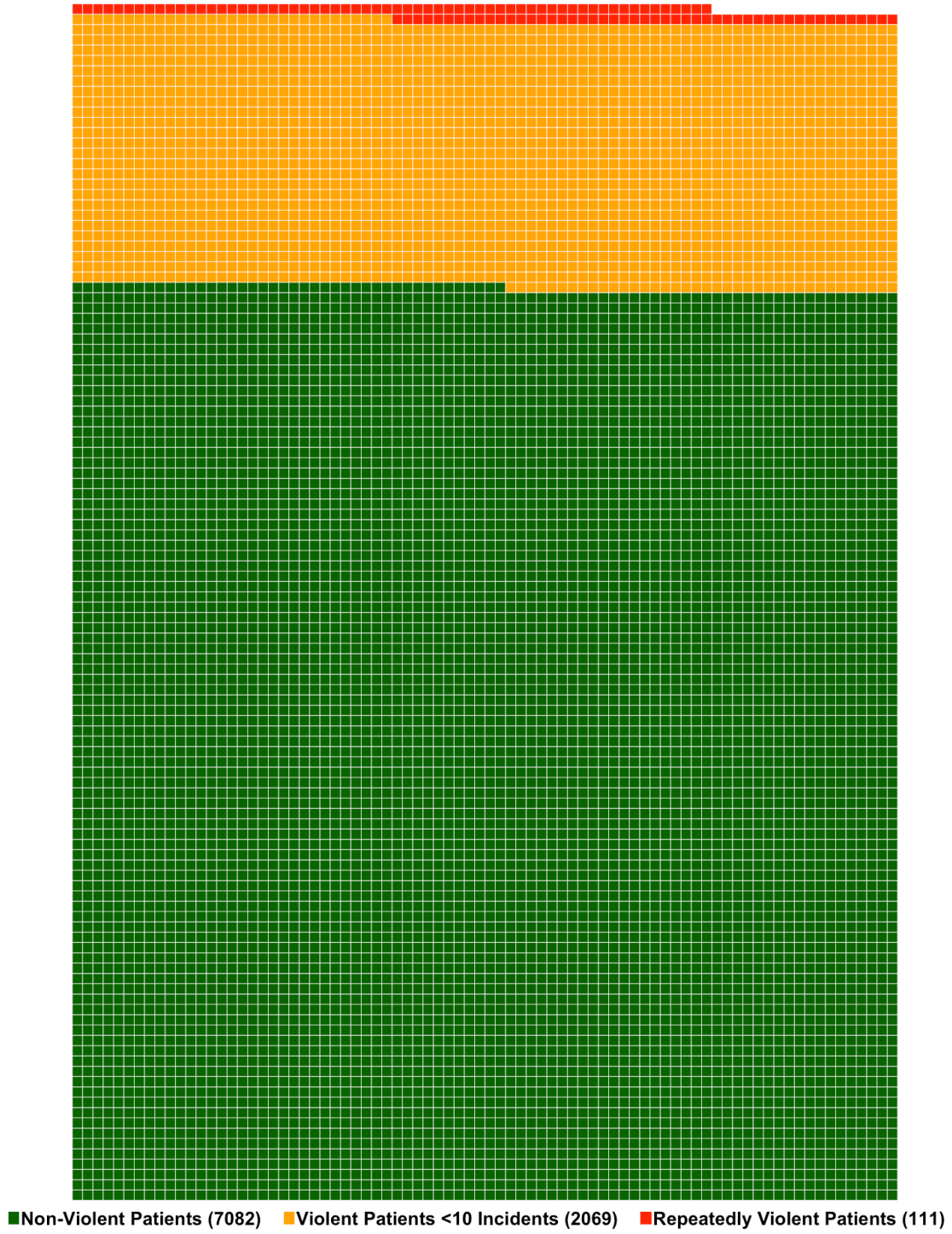
Patients and Aggressors in 2015

As can be seen in Figure II.27, in 2015 the total number of patients treated in DSH hospitals was over 9,800. Again, most patients 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 II.1.F, 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 around 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 II.5 of this report for more information on this.

Figure II.27
2015 DSH Patients and Aggressors, 1 Square = 1 Patient

■Non-Violent Patients (7572)   ■Violent Patients <10 Incidents (2150)   ■Repeatedly Violent Patients (123)
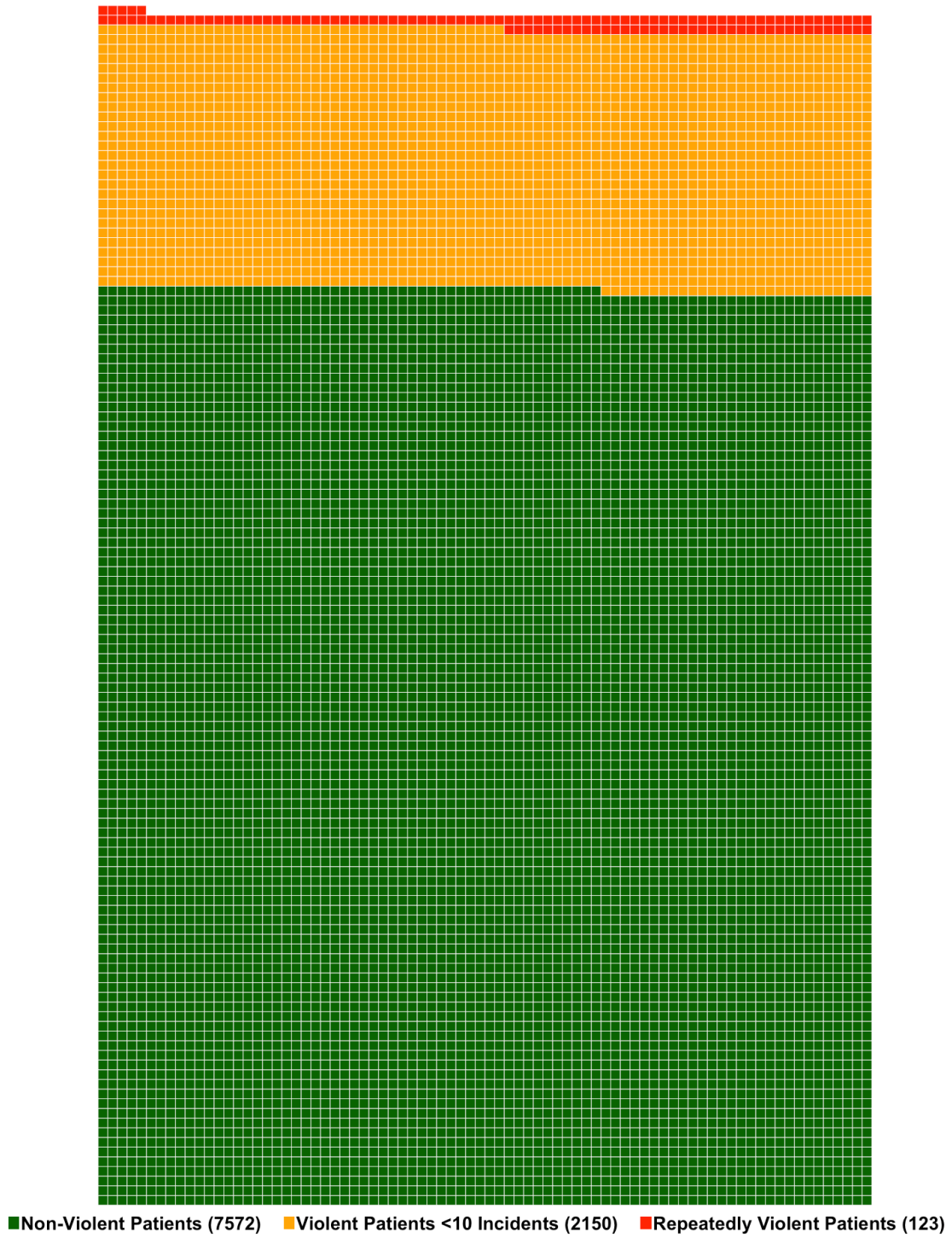
Patients and Aggressors in 2016

As can be seen in Figure II.28, in 2016 the total number of patients treated in DSH hospitals was over 10,000. Again, most patients 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 II.1.F, 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 around 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 II.5 of this report for more information on this.

Figure II.28
2016 DSH Patients and Aggressors, 1 Square = 1 Patient

■Non-Violent Patients (7827) ■Violent Patients <10 Incidents (2203) ■Repeatedly Violent Patients (156)
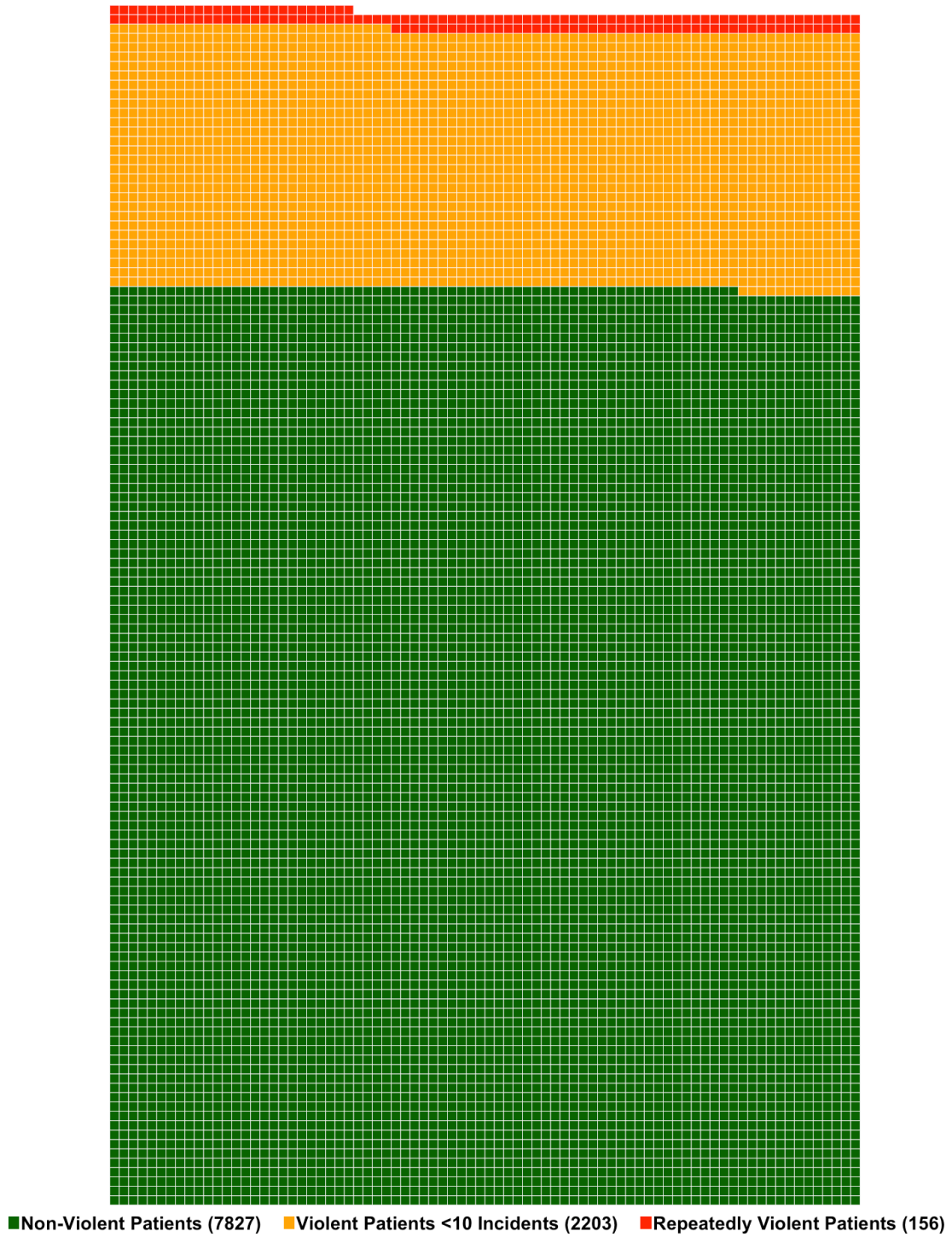
Patients and Aggressors in 2017

As can be seen in Figure II.29, in 2017 the total number of patients treated in DSH hospitals was just under 10,500. Again, most patients 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).
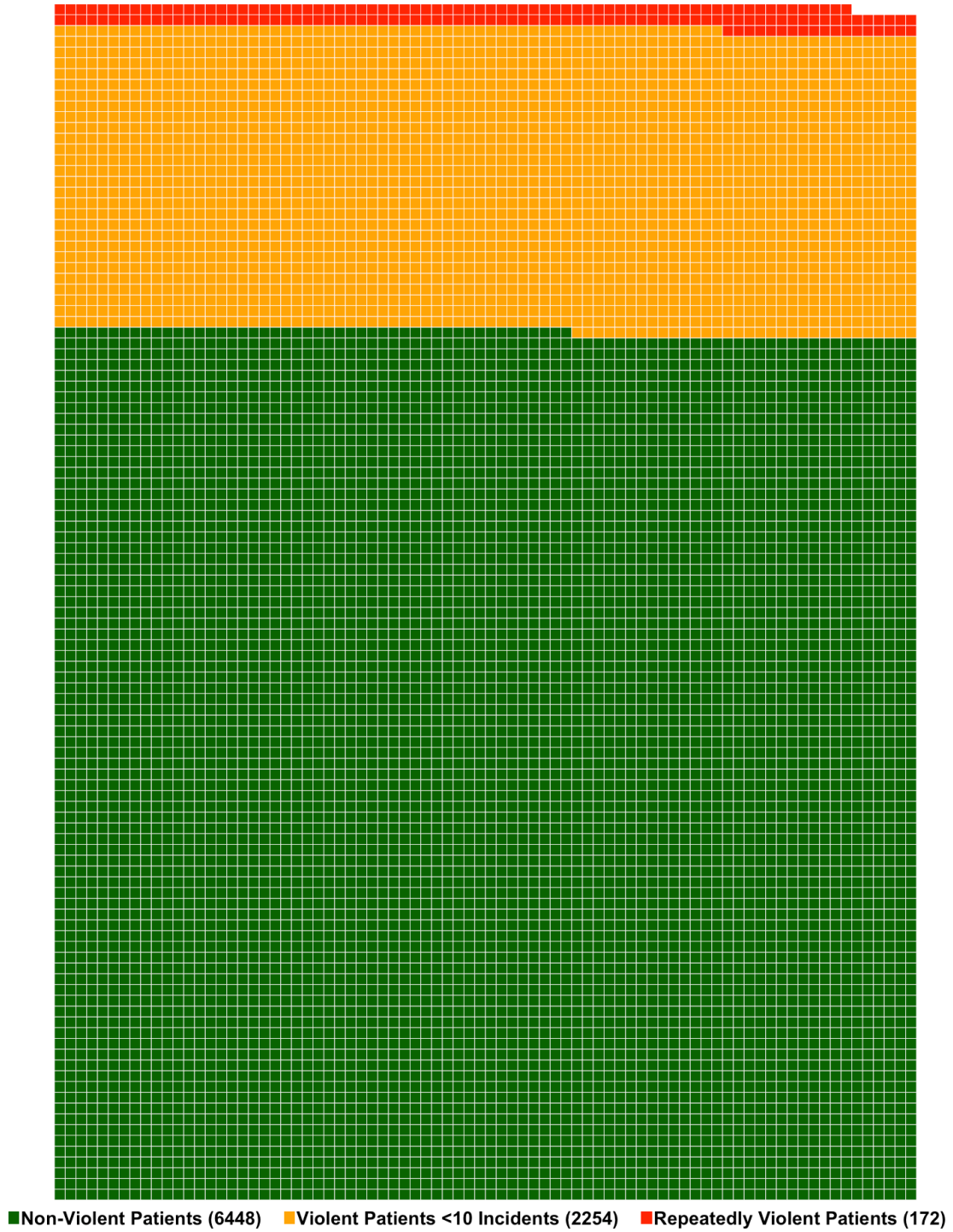
Thus, violent patients as a percentage of all patients treated were about 22.9% of all those treated during 2017. As noted previously in Section II.1.F, because the hospitals will more rapidly discharge non-violent patients and retain violent patients for further treatment at any given time the hospital population had a much higher percentage of violent patients, usually around 42 to 47%.

In 2017, the 151 patients with 10 or more violent incidents in that year accounted for 38.9% of all violent patient-on-patient and patient-on-staff assault incidents; see Section II.5 of this report for more information on this.

Figure II.29
2017 DSH Patients and Aggressors, 1 Square = 1 Patient
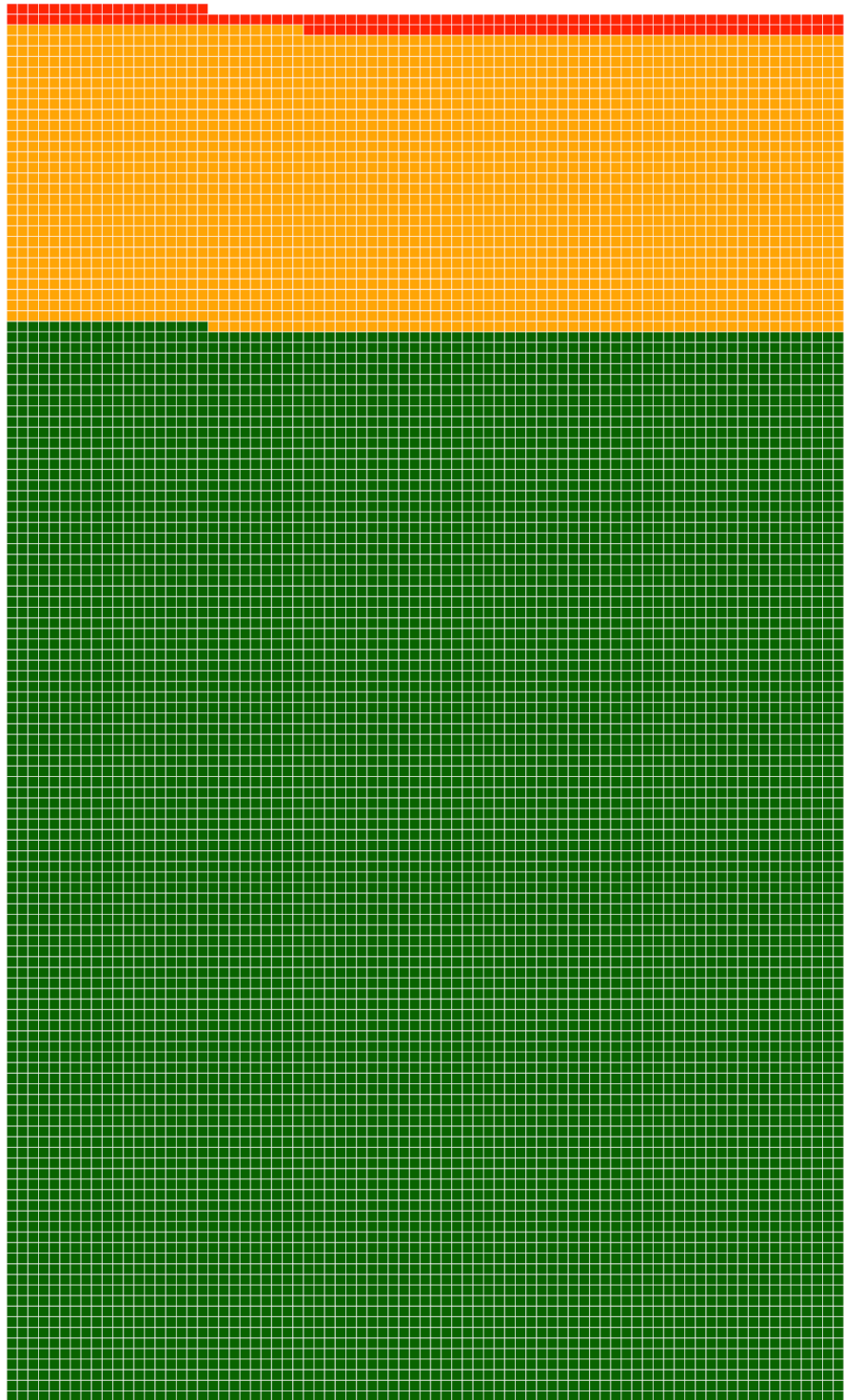
■ Non-Violent Patients (8099)   ■ Violent Patients <10 Incidents (2249)   ■ Repeatedly Violent Patients (151)

4. Patient Injury Severity Data

In this section, the information on patient injury severity is presented, grouped by whether a patient was described as a "victim" or as an "aggressor."

For both groups, the information is given by 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), see the descriptors in Table II.18:

Table II.18
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. As a result, there is currently no way to reliably collect that data.

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

A. Patient Victim Injuries Suffered During Assaults

Injury Severity S1 – No Treatment

Figure II.30
Annual Rate of Patient Injury Due to Assault: Severity S1 - No Treatment (Victims), per 100,000 Patient Days
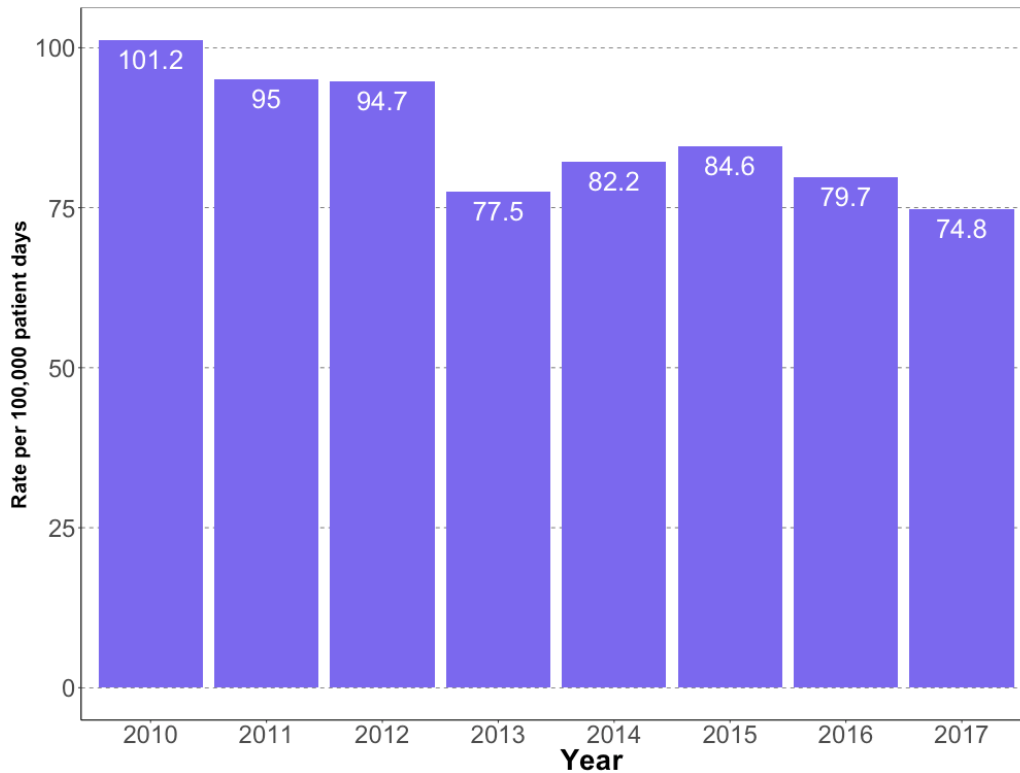
Table II.19
S1 Victim Injury Rates

YEAR	TOTAL PATIENT DAYS	COUNT	RATE PER 100,000 DAYS
2010	1999977	2024	101.2
2011	1981811	1882	95
2012	2025331	1917	94.7
2013	2027842	1571	77.5
2014	2074336	1705	82.2
2015	2120975	1795	84.6
2016	2196314	1751	79.7
2017	2210321	1654	74.8

Injury Severity S2 – Minor First Aid

Figure II.31
**Annual Rate of Patient Injury Due to Assault: Severity S2 - Minor First Aid
(Victims), per 100,000 Patient Days**
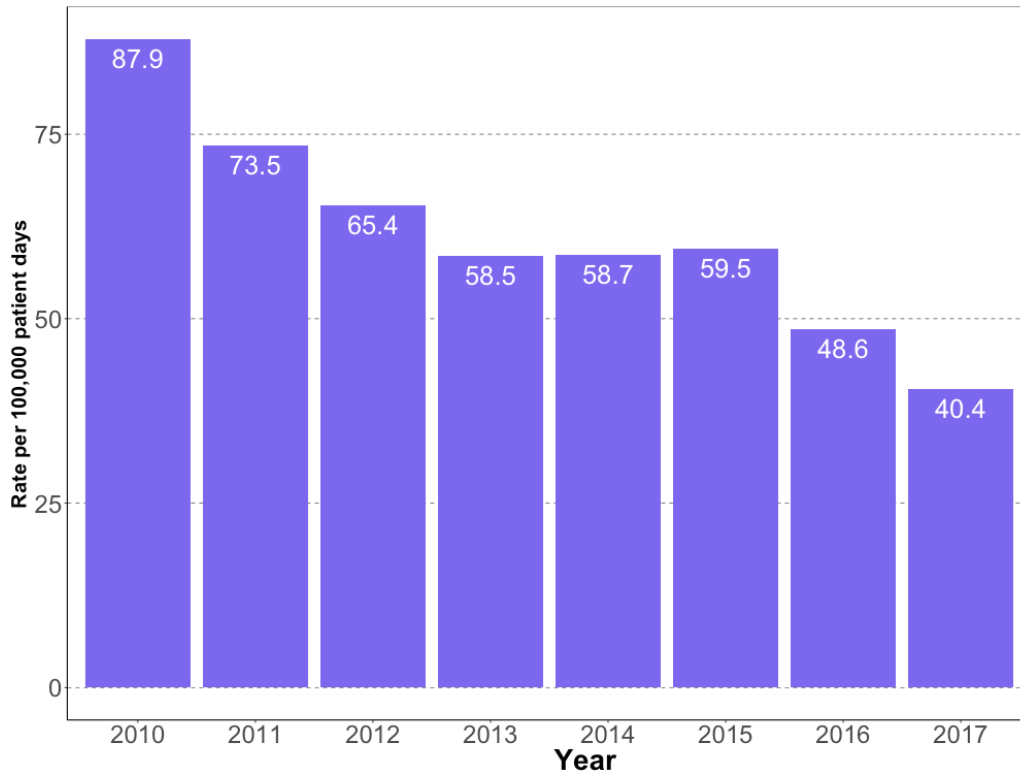
Table II.20
S2 Victim Injury Rates

YEAR	TOTAL PATIENT DAYS	COUNT	RATE PER 100,000 DAYS
2010	1999977	1757	87.9
2011	1981811	1456	73.5
2012	2025331	1325	65.4
2013	2027842	1187	58.5
2014	2074336	1218	58.7
2015	2120975	1263	59.5
2016	2196314	1067	48.6
2017	2210321	893	40.4

Injury Severity S3 – Medical Treatment

Figure II.32
Annual Rate of Patient Injury Due to Assault: Severity S3 – Medical Treatment (Victims), per 100,000 Patient Days
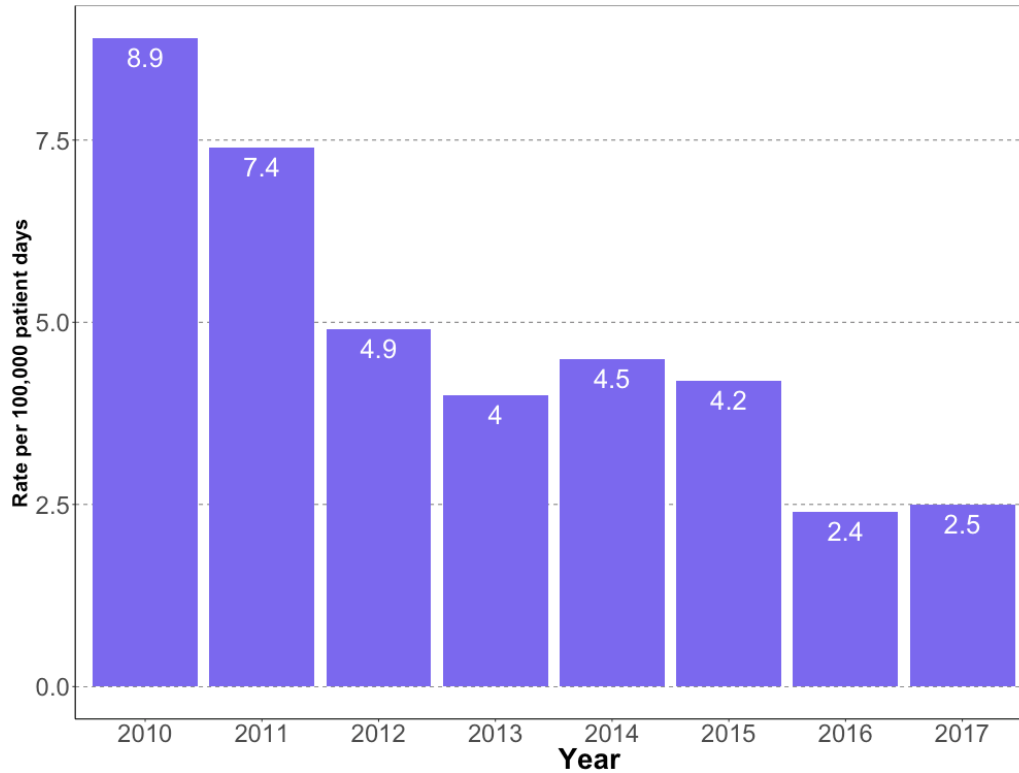
Table II.21
S3 Victim Injury Rates

YEAR	TOTAL PATIENT DAYS	COUNT	RATE PER 100,000 DAYS
2010	1999977	178	8.9
2011	1981811	146	7.4
2012	2025331	100	4.9
2013	2027842	82	4
2014	2074336	93	4.5
2015	2120975	90	4.2
2016	2196314	52	2.4
2017	2210321	55	2.5

Injury Severity S4 – Hospitalization

Figure II.33
Annual Rate of Patient Injury Due to Assault: Severity S4 – Hospitalization (Victims), per 100,000 Patient Days
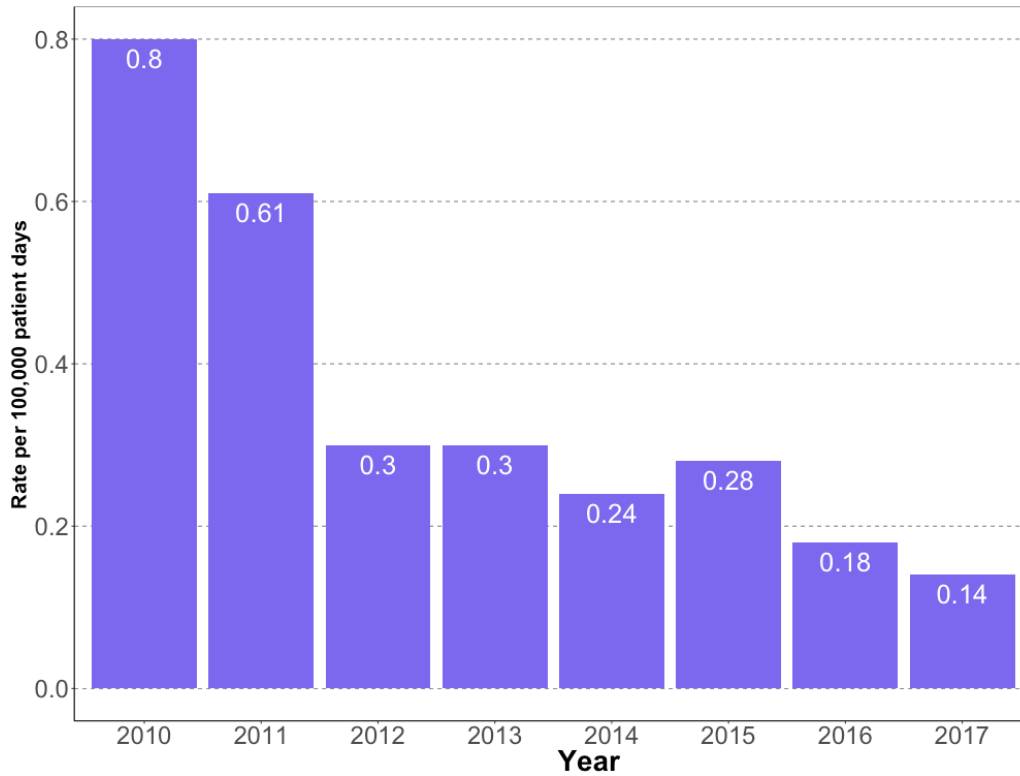
Table II.22
S4 Victim Injury Rates

YEAR	TOTAL PATIENT DAYS	COUNT	RATE PER 100,000 DAYS
2010	1999977	16	0.8
2011	1981811	12	0.61
2012	2025331	6	0.3
2013	2027842	6	0.3
2014	2074336	5	0.24
2015	2120975	6	0.28
2016	2196314	4	0.18
2017	2210321	3	0.14

Injury Severity S5 – Death

Figure II.34
Annual Rate of Patient Injury Due to Assault: Severity S5 – Death (Victims), per 100,000 Patient Days
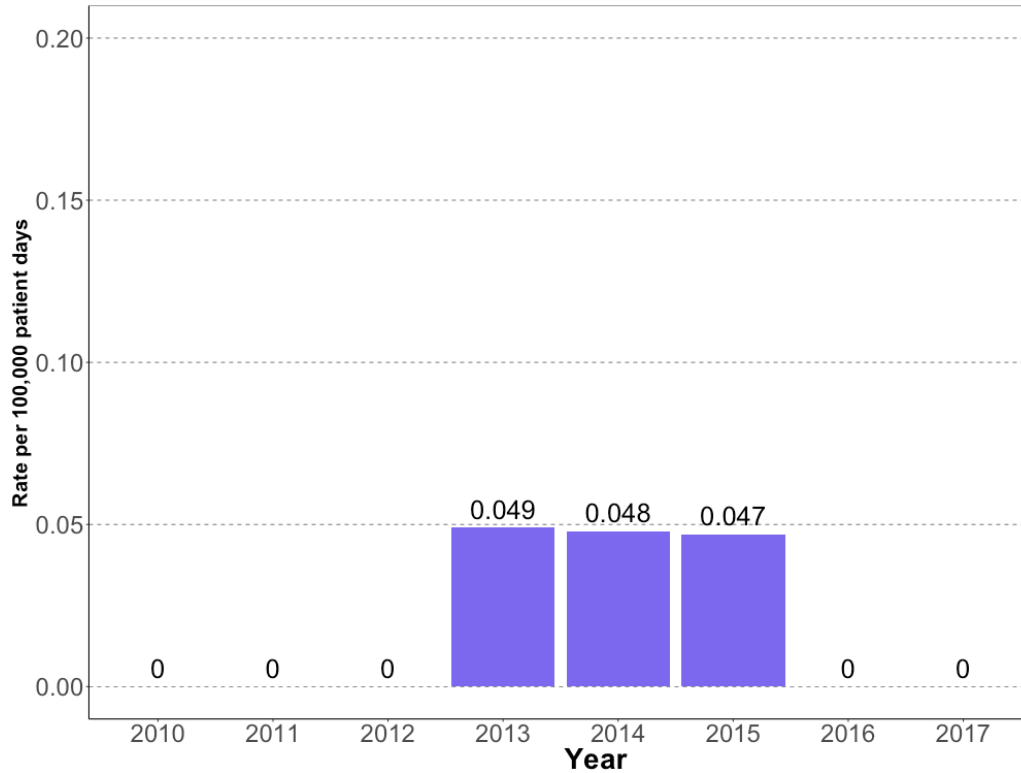
Table II.23
S5 Victim Injury Rates

YEAR	TOTAL PATIENT DAYS	COUNT	RATE PER 100,000 DAYS
2010	1999977	0	0
2011	1981811	0	0
2012	2025331	0	0
2013	2027842	1	0.049
2014	2074336	1	0.048
2015	2120975	1	0.047
2016	2196314	0	0
2017	2210321	0	0

5. 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 decreased from the previous year, as can be seen in Figure II.35. This is despite a 3.1% increase in total patients in 2017 (there were 10,186 unique patients treated in DSH during 2016 and 10,499 unique patients treated in 2017).

Figure II.35
Number of Individual Patients with 10 or More Assaults in a Calendar Year
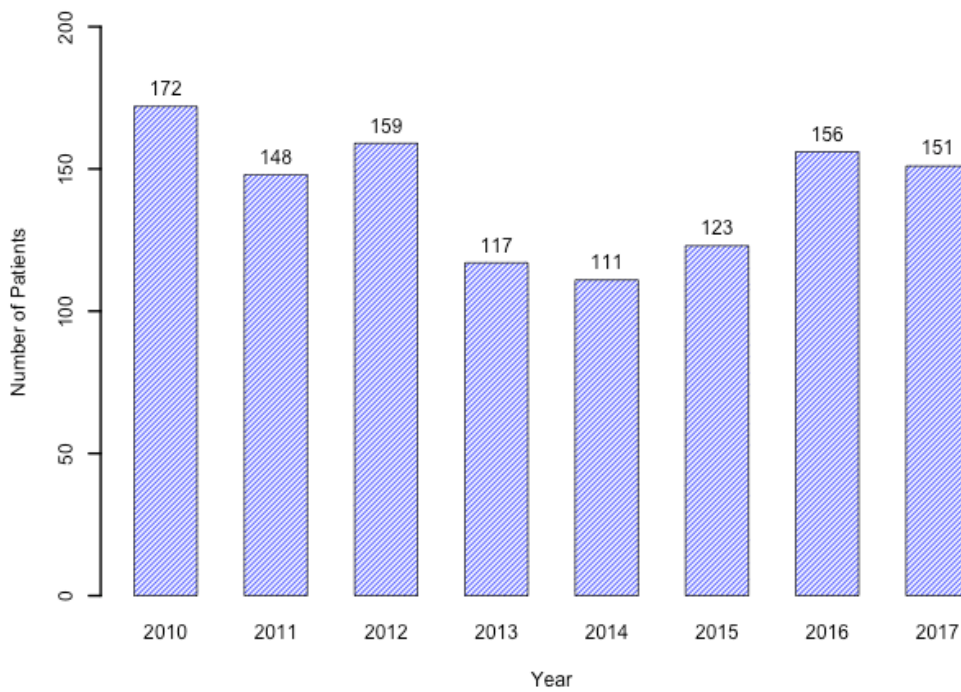
Table II.24
Year-by-Year Summary of Patients with 10 or More Aggressive Acts

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 38.9% of all violent patient-on-patient and patient-on-staff assault incidents

Note: See Section II.5 of this report for more information on this table.

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

Figure II.36
Patients with 10 or More Violent Acts, Across Two Consecutive Calendar Years
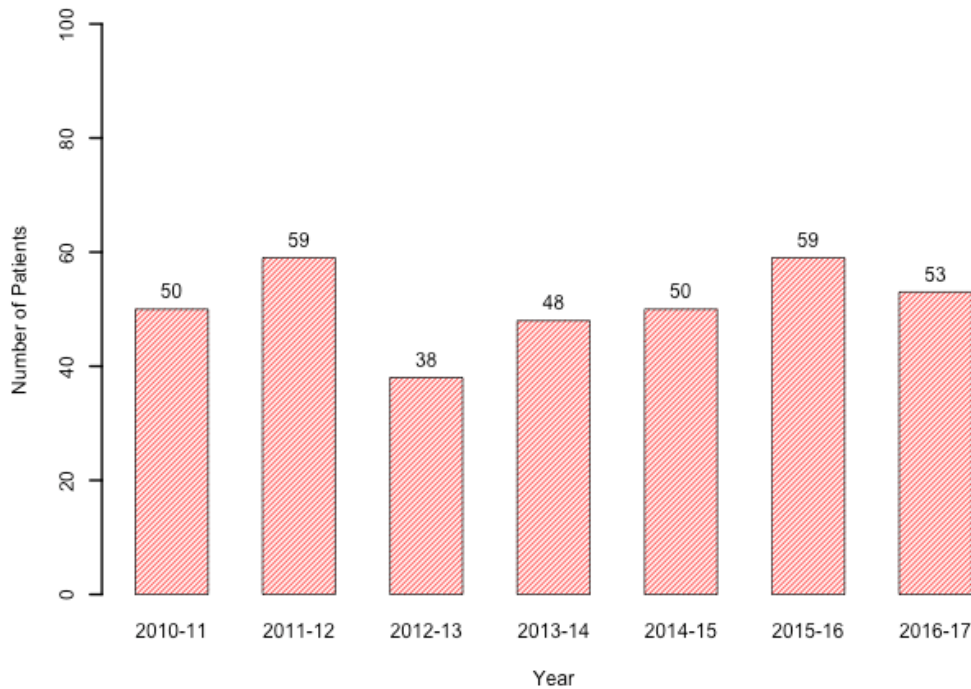
As the Figure II.36 shows, there was a consistent number of patients with 10 or more violent incidents across two consecutive calendar years during 2010-2017. As a rate, the 48 patients in 2013-14 represent 0.26% of the total patients treated those years; the 50 patients in 2014-15 represent again 0.26%, the 59 patients in 2015-16 represent about 0.29% of all the patients treated in DSH during those periods, and the 53 patients in 2016-17 represent about 0.26%.

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

Figure II.37
Patients with 10 or More Violent Incidents Across Any Two or More Years (Not Necessarily Consecutive), or for All Eight Years During 2010-2017
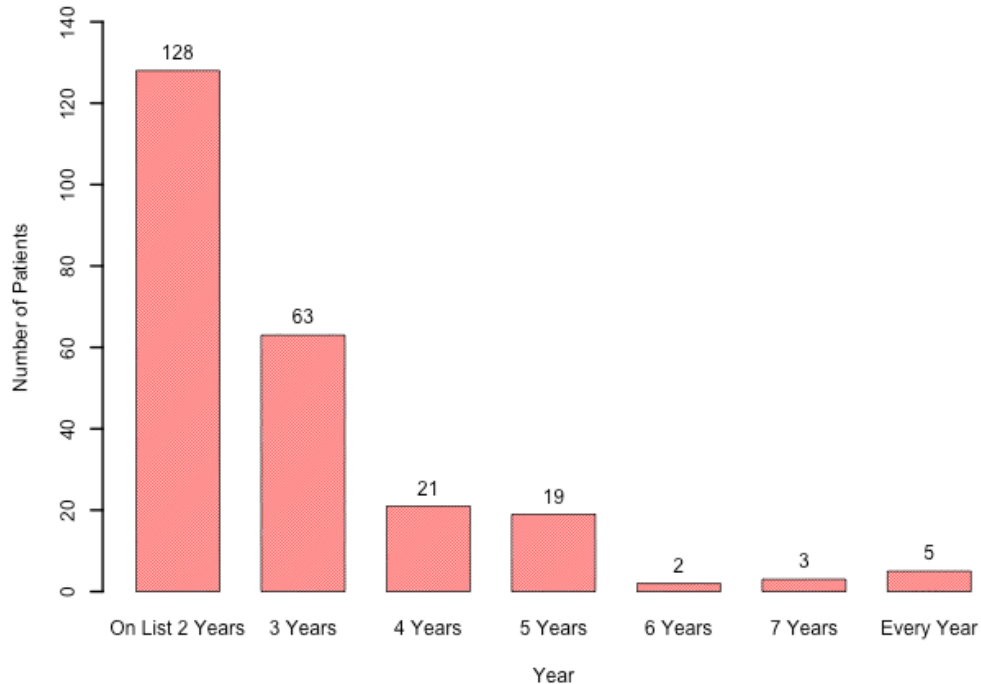
When any multiple year period (not necessarily consecutive years) is considered, there are a very small number of patients who had multiple, repeated high levels of violence (more than 10 incidents in a year).

Individual Breakdown:

- The 5 patients on the list of patients with 10 or more violent acts, for all eight years during 2010-2017, accounted for 1713 incidents, or about 346.2 violent acts for each individual patient, on average, during this entire time period.
- The 3 patients who were on the list of patients with 10 or more violent incidents, for seven years during 2010-17, also accounted for 693 aggressive/violent incidents, or about 231 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 six years during 2010-17, also accounted for 416 aggressive/violent incidents, or about 208 violent acts per patient, on average for this time period.
- The 19 patients on the list for five years accounted for 2,337 aggressive/violent incidents, or about 123 violent acts per patient, on average.

- The 21 patients on the list for four years accounted for 2,056 aggressive/violent incidents, or about 97.9 violent acts per patient, on average.
- The 63 patients on the list for three years accounted for 4,170 aggressive/violent incidents, or about 66.2 violent acts per patient, on average.
- The 128 patients on the list for any two (not necessarily consecutive) years accounted for 6,470 violent incidents, or about 50.5 violent acts per individual patient, on average.

By way of comparison, this small group of patients (numbering 241, or about 0.67% of the total 36,105 unique patients treated during 2010-17) were involved as aggressors in 17,855 violent physical patient-on-patient or patient-on-staff assaults (approximately 29.6% of all the violent incidents recorded) during this eight year period 2010-2017.

Section III: In-Depth Analysis of Monthly Violence Data

1. Monthly Violence Rates Across DSH Overall

A. Monthly Rates of Assaults

Figure III.1
DSH Monthly Rates of Aggressive Incidents, per 1000 Patient Days
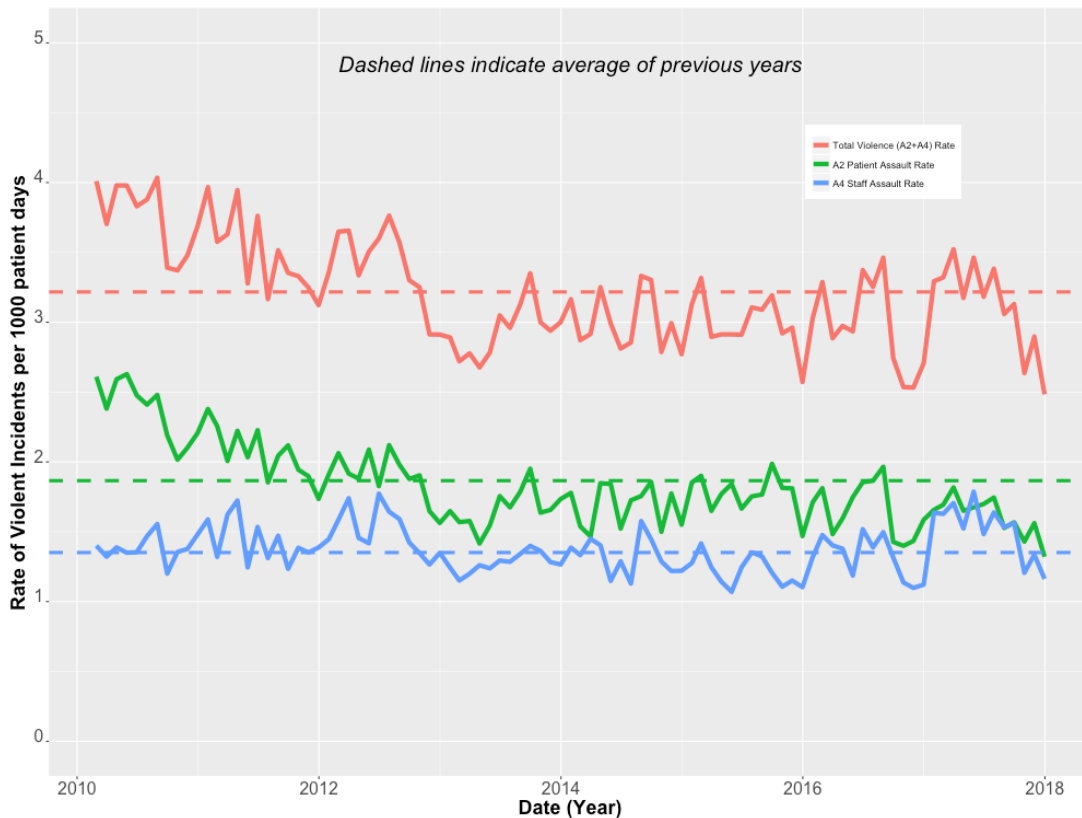
This graph shows the monthly rate of violence, per 1000 patient days. This measure (rate per 1000 patient days) takes into account the changes in DSH population (as well as differences in the number of days in a month).

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.

B. Monthly Rates of Assaults: Trend

Figure III.2
DSH Trend of Rates of Aggressive Incidents, per 1000 Patient Days
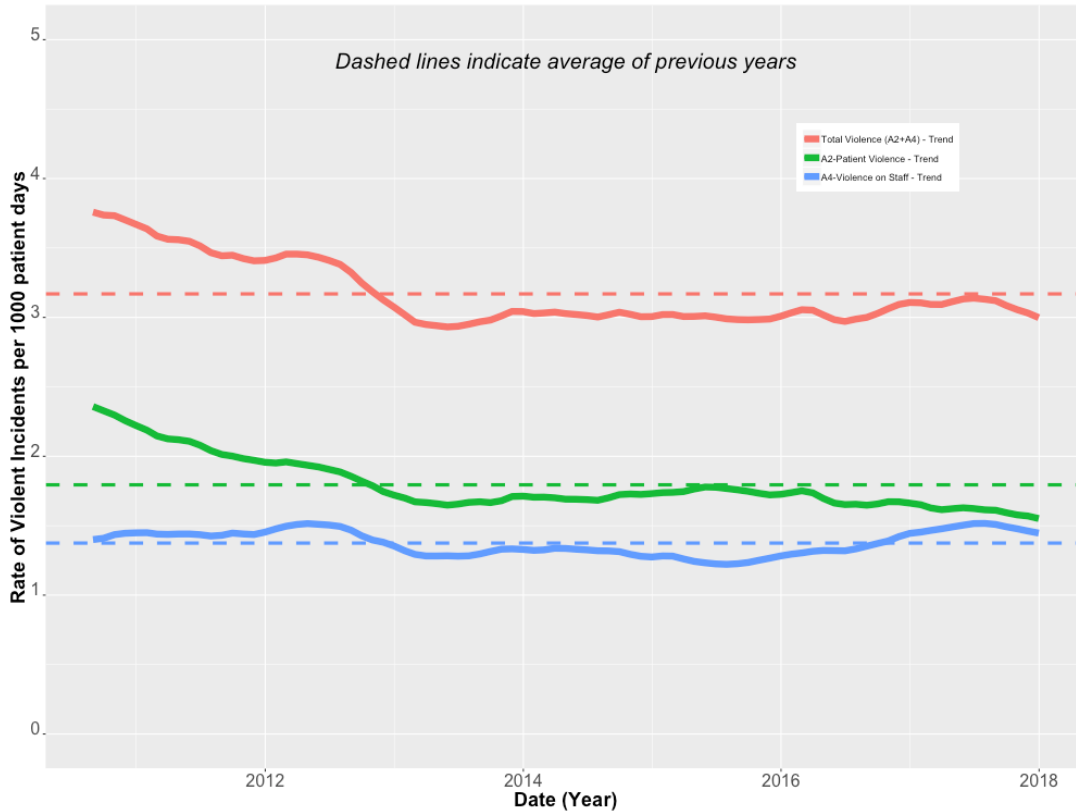
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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.

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

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 2017 to 2016, whether an increase or decrease was seen overall in violence (patient or staff) across legal classes.

Table III.1
Comparison of overall 2017 Violence Rates to 2016 Rates

LEGAL CLASS	PATIENT-ON-PATIENT VIOLENCE	PATIENT-ON-STAFF VIOLENCE
IST	Increased	Increased
LPS	Decreased	Increased
MDO	Decreased	Decreased
NGRI	Decreased	Decreased
PC2684	Increased	Increased
SVP	Increased	Increased

Note: Comparisons based on average of monthly rates for that year. See tables below for each legal class.

Table III.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

MONTH	YEAR	PATIENT-ON-PATIENT ASSAULT (A2)	PATIENT-ON-STAFF ASSAULT (A4)	TOTAL VIOLENCE (A2+A4)
December	2012	270	233	503
January	2013	285	215	500
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	331	228	559
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

MONTH	YEAR	PATIENT-ON-PATIENT ASSAULT (A2)	PATIENT-ON-STAFF ASSAULT (A4)	TOTAL VIOLENCE (A2+A4)
February	2016	313	255	568
March	2016	275	260	535
April	2016	287	248	535
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

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 13.6%, 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 III.3
DSH Monthly Rates of Assaults, per 1000 Patient Days

MONTH	YEAR	PATIENT-ON-PATIENT ASSAULT RATE (A2)	PATIENT-ON-STAFF ASSAULT RATE (A4)	TOTAL VIOLENCE RATE (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	3.761
July	2011	1.854	1.312	3.166
August	2011	2.044	1.471	3.515
September	2011	2.119	1.235	3.354
October	2011	1.944	1.385	3.330
November	2011	1.898	1.352	3.250
December	2011	1.736	1.387	3.123
January	2012	1.912	1.447	3.359
February	2012	2.062	1.586	3.648
March	2012	1.916	1.740	3.657
April	2012	1.880	1.456	3.336
May	2012	2.089	1.418	3.506
June	2012	1.827	1.773	3.599
July	2012	2.120	1.644	3.763
August	2012	1.981	1.591	3.572
September	2012	1.878	1.422	3.300
October	2012	1.904	1.347	3.250
November	2012	1.648	1.266	2.913
December	2012	1.563	1.349	2.912

MONTH	YEAR	PATIENT-ON-PATIENT ASSAULT RATE (A2)	PATIENT-ON-STAFF ASSAULT RATE (A4)	TOTAL VIOLENCE RATE (A2+A4)
January	2013	1.648	1.243	2.891
February	2013	1.569	1.151	2.720
March	2013	1.577	1.200	2.777
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	2.960
August	2013	1.787	1.342	3.128
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	2.872
March	2014	1.467	1.449	2.916
April	2014	1.848	1.403	3.251
May	2014	1.842	1.149	2.991
June	2014	1.523	1.289	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	2.787
November	2014	1.774	1.219	2.993
December	2014	1.551	1.221	2.771
January	2015	1.853	1.276	3.129
February	2015	1.901	1.416	3.317
March	2015	1.650	1.246	2.895
April	2015	1.770	1.143	2.913
May	2015	1.843	1.070	2.913
June	2015	1.666	1.245	2.911
July	2015	1.753	1.353	3.106
August	2015	1.767	1.324	3.090
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

MONTH	YEAR	PATIENT-ON-PATIENT ASSAULT RATE (A2)	PATIENT-ON-STAFF ASSAULT RATE (A4)	TOTAL VIOLENCE RATE (A2+A4)
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	1.855	1.518	3.374
July	2016	1.865	1.388	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	1.434	1.098	2.532
December	2016	1.586	1.121	2.708
January	2017	1.657	1.636	3.293
February	2017	1.693	1.628	3.322
March	2017	1.817	1.705	3.522
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

These data show the values that were graphed in the monthly plot of violence rates (Figure III.1, "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 III.2) to look for trends over time is more useful.

2. 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.

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 2015, 2016 and 2017 is provided in Table III.4. As can be seen since 2015, the IST population shifted into the most numerous patient group.

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

LEGAL CLASS	ADC 12/2015	ADC 12/2016	ADC 12/2017
DJJ: Division of Juvenile Justice Patient	1	3	2
IST: Incompetent to Stand Trial Patient	1453.49	1516.88	1439.28
LPS: Lanternman-Petris-Short Patient	624.44	667.13	707.84
MDO: Mentally Disordered Offender Patient	1257.16	1247.29	1338.61
MDSO: Mentally Disordered Sexual Offender	25	23	19
NGRI: Not Guilty by Reason of Insanity Patient	1405.38	1383.59	1358.07
PC2684: Mentally Ill CDCR Inmate Patient	222.64	264.07	267.58
SVP: Sexually Violent Predator Patient	921.42	945.06	946.12

Data on the violence rates in DSH, per legal class, are presented, in rank order of the most numerous legal class to the least numerous, i.e., first, a) the IST legal class, then second, b) the NGRI legal class, followed by third, c) the MDO's, then d) the SVP's, then the e) LPS, then f) PC2684's, g) the MDSO's, and finally h) the DJJ.

A. DSH Rates of Violence: IST's

Yearly Violence Rates

Figure III.3
Yearly Rates of IST Assaults in all DSH Hospitals
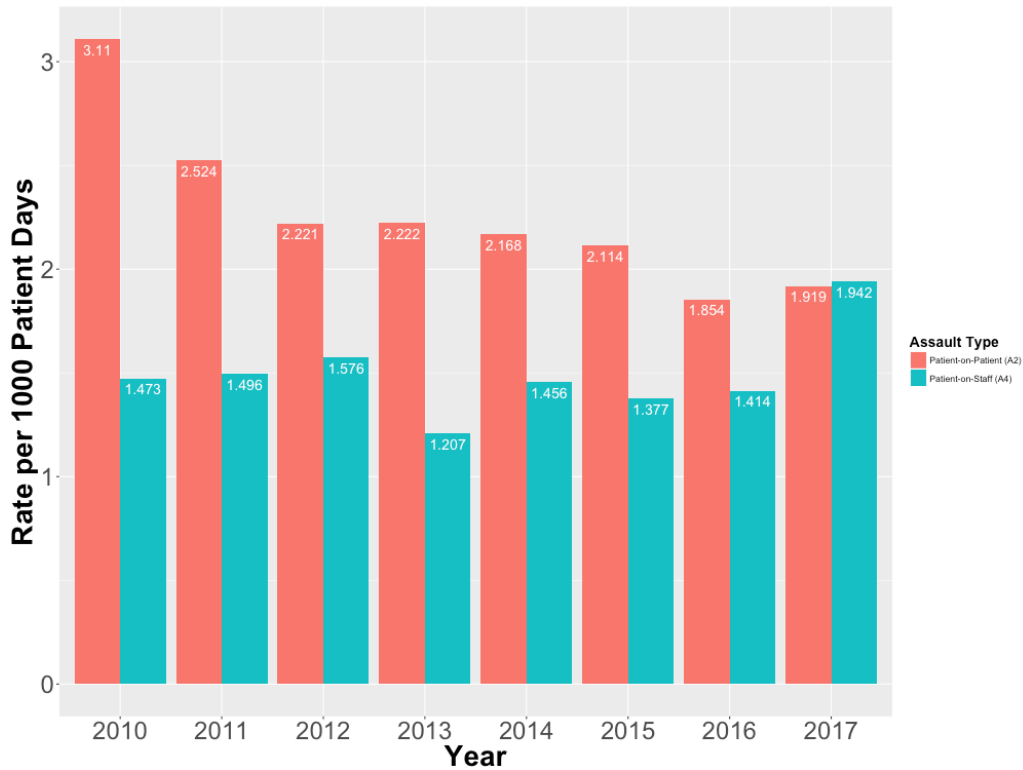
As can be seen in the graph above, after several years of declining assault rates the assault rates for both violence against other patients and staff increased in 2017. More detailed information is presented in the tables on the next page.

Table III.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	1284	412814	3.11	NA
2011	1068	423101	2.524	-18.8
2012	985	443410	2.221	-12
2013	1033	464883	2.222	0
2014	1062	489775	2.168	-2.4
2015	1090	515555	2.114	-2.5
2016	1023	551705	1.854	-12.3
2017	1040	542090	1.919	3.5

Table III.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	608	412814	1.473	NA
2011	633	423101	1.496	1.6
2012	699	443410	1.576	5.3
2013	561	464883	1.207	-23.4
2014	713	489775	1.456	20.6
2015	710	515555	1.377	-5.4
2016	780	551705	1.414	2.7
2017	1053	542090	1.942	37.3

Monthly Violence Rates

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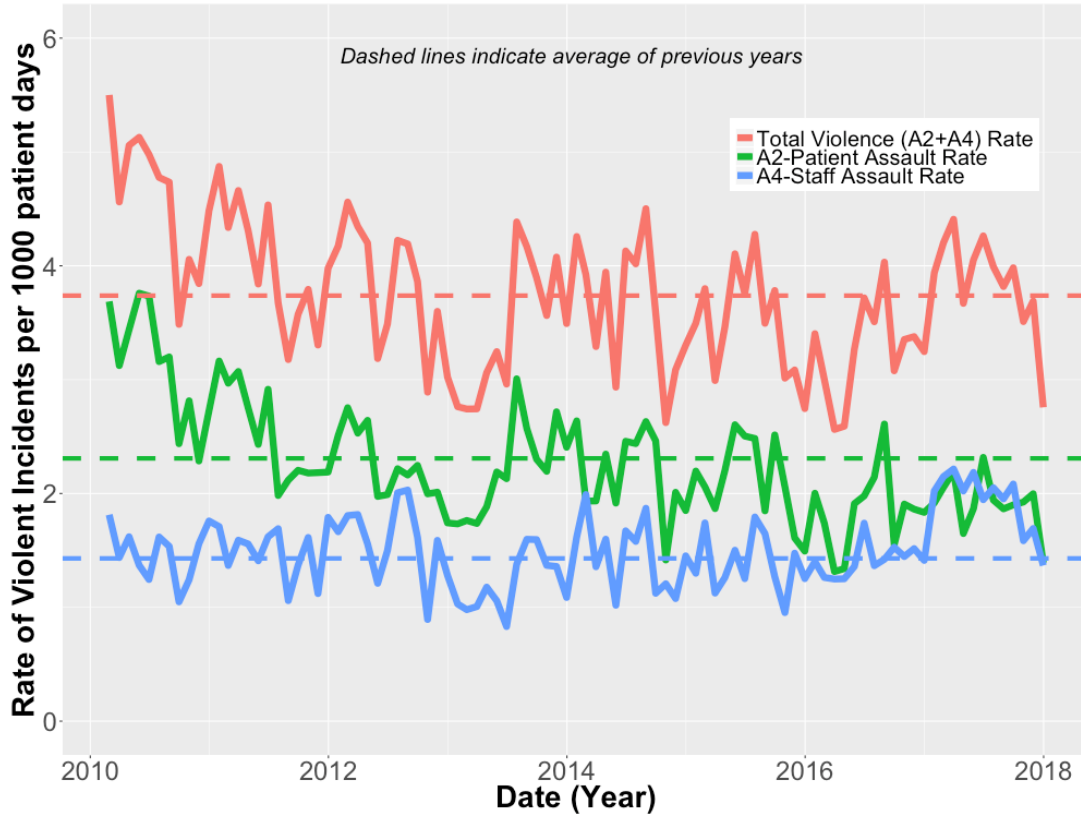
Trend of Monthly Violence Rates

Figure III.5
Trends of Monthly Rates of IST Assaults in all DSH Hospitals, per 1000 Patient Days
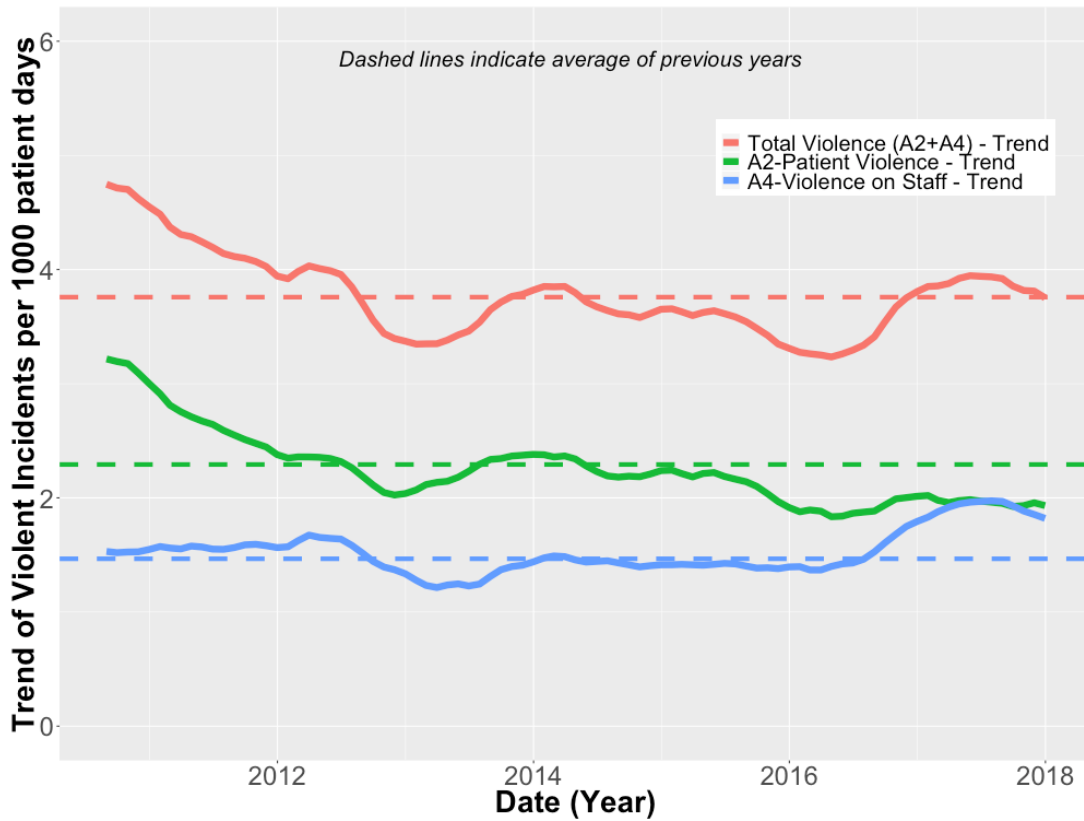
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

B. DSH Rates of Violence: NGRI's

Yearly Violence Rates

Figure III.6
Yearly Rates of NGRI Assaults in all DSH Hospitals
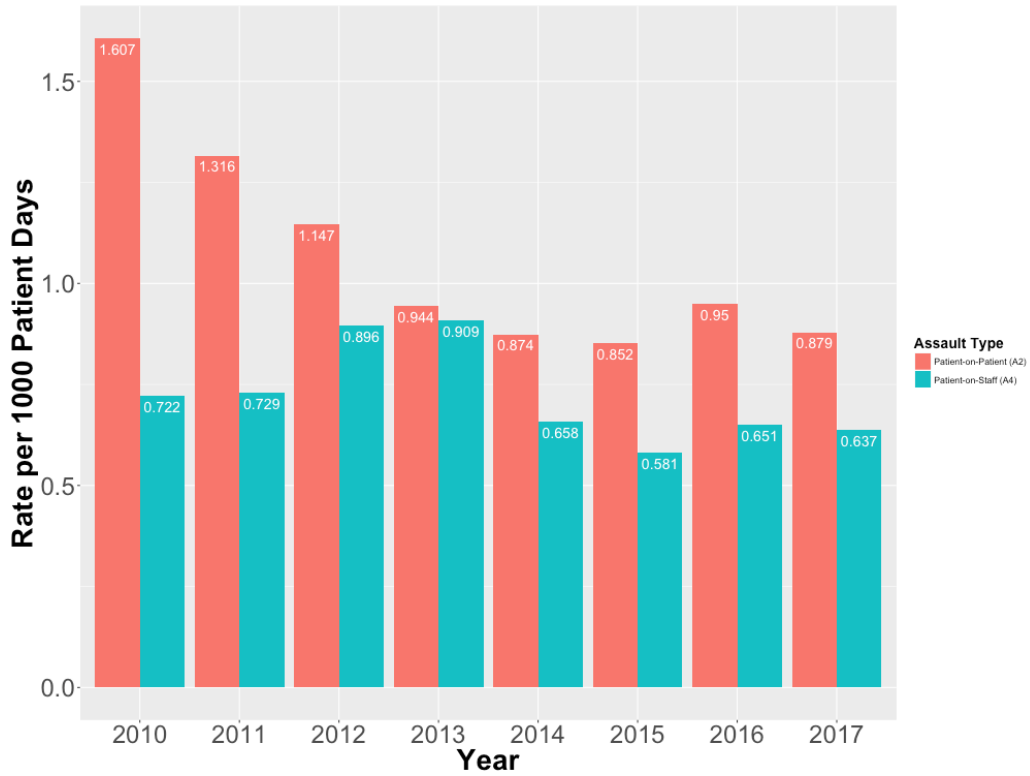
As can be seen in the graph above, after several years of declining assault rates, in 2017 the assault rates for both violence against other patients and staff decreased in 2017. More detailed information is presented in the tables on the next page.

Table III.7
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	690	429444	1.607	NA
2011	630	478572	1.316	-18.1
2012	549	478822	1.147	-12.8
2013	456	483124	0.944	-17.7
2014	429	491044	0.874	-7.4
2015	424	497373	0.852	-2.5
2016	473	497814	0.95	11.5
2017	432	491634	0.879	-7.5

Table III.8
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	310	429444	0.722	NA
2011	349	478572	0.729	1
2012	429	478822	0.896	22.9
2013	439	483124	0.909	1.5
2014	323	491044	0.658	-27.6
2015	289	497373	0.581	-11.7
2016	324	497814	0.651	12
2017	313	491634	0.637	-2.2

Monthly Violence Rates

Figure III.7
Monthly Rates of NGRI Assaults in all DSH Hospitals, per 1000 Patient Days
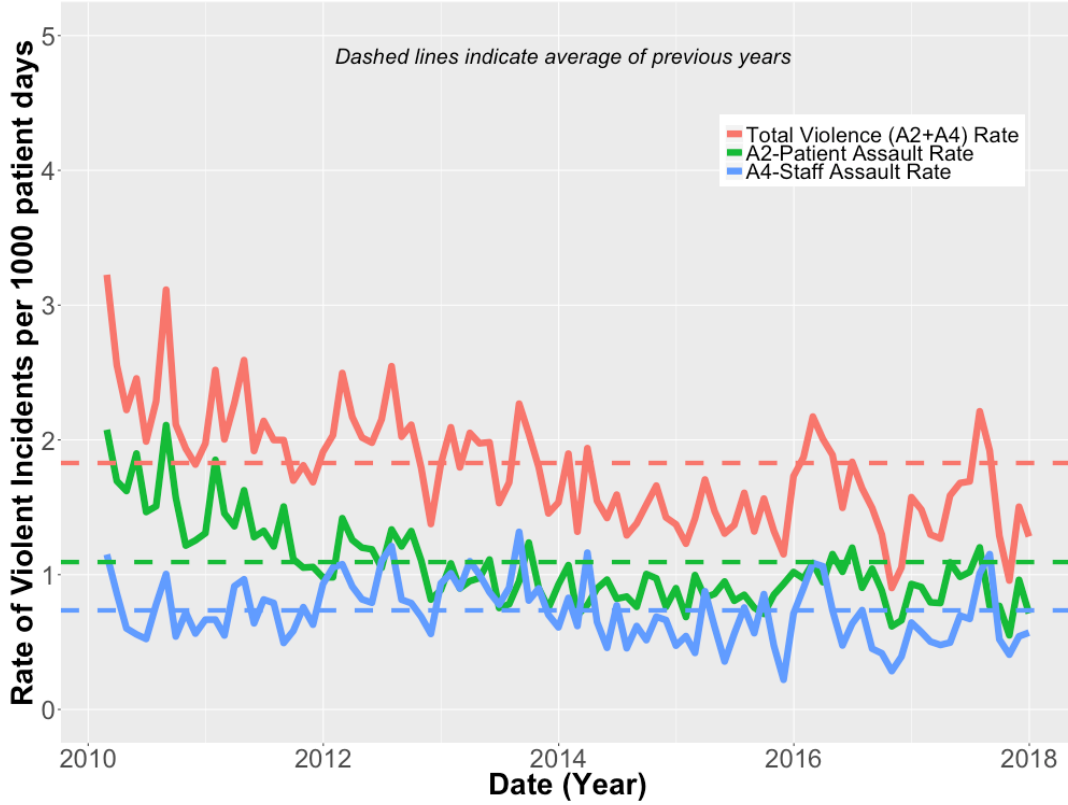
Trend of Monthly Violence Rates

Figure III.8
Trends of Monthly Rates of NGRI Assaults in all DSH Hospitals, per 1000 Patient Days
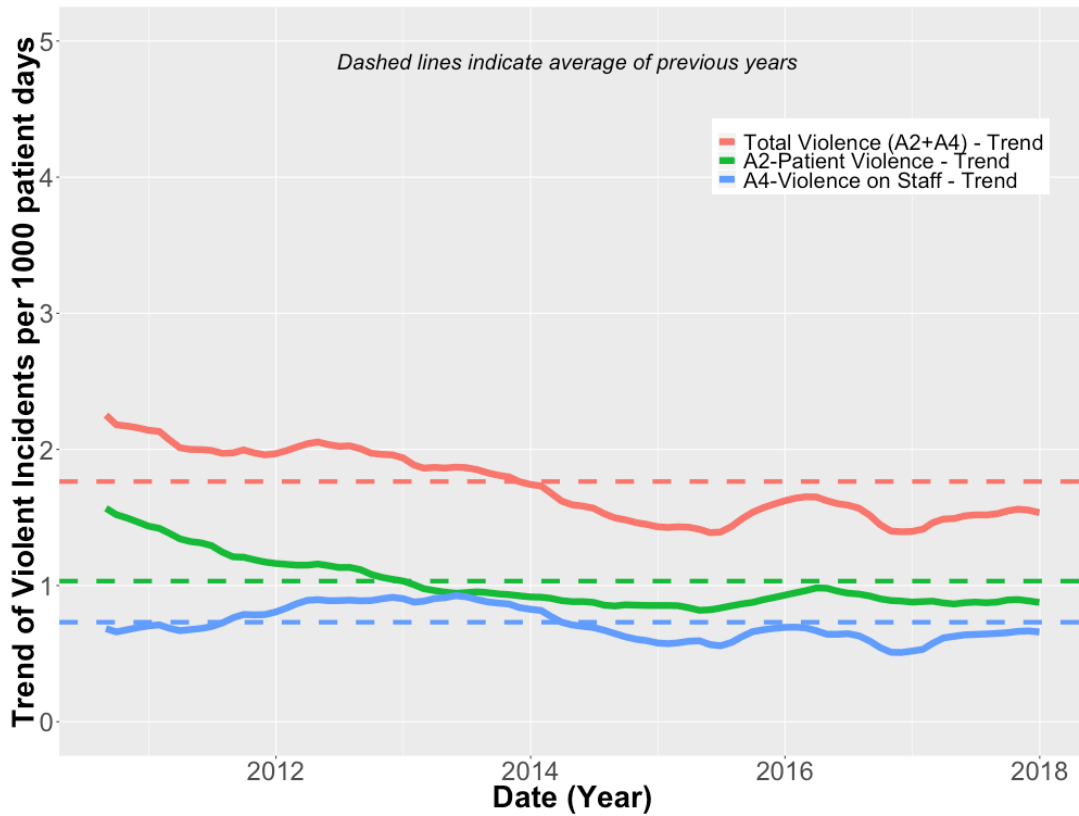
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

C. DSH Rates of Violence: MDO's

Yearly Violence Rates

Figure III.9
Yearly Rates of MDO 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.*

Table III.9
DSH MDO Yearly A2 Patient-on-patient Assault Summary

YEAR	MDO ASSAULTS (A2)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	856	430649	1.988	NA
2011	828	480322	1.724	-13.3
2012	736	462661	1.591	-7.7
2013	560	441587	1.268	-20.3
2014	526	440627	1.194	-5.8
2015	600	459120	1.307	9.5
2016	624	453990	1.374	5.1
2017	510	473469	1.077	-21.6

Table III.10
DSH MDO Yearly A4 Patient-on-staff Assault Summary

YEAR	MDO ASSAULTS (A4)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	521	430649	1.21	NA
2011	620	480322	1.291	6.7
2012	563	462661	1.217	-5.7
2013	378	441587	0.856	-29.7
2014	330	440627	0.749	-12.5
2015	321	459120	0.699	-6.7
2016	458	453990	1.009	44.3
2017	396	473469	0.836	-17.1

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 III.10
Monthly Rates of MDO Assaults in all DSH Hospitals, per 1000 Patient Days
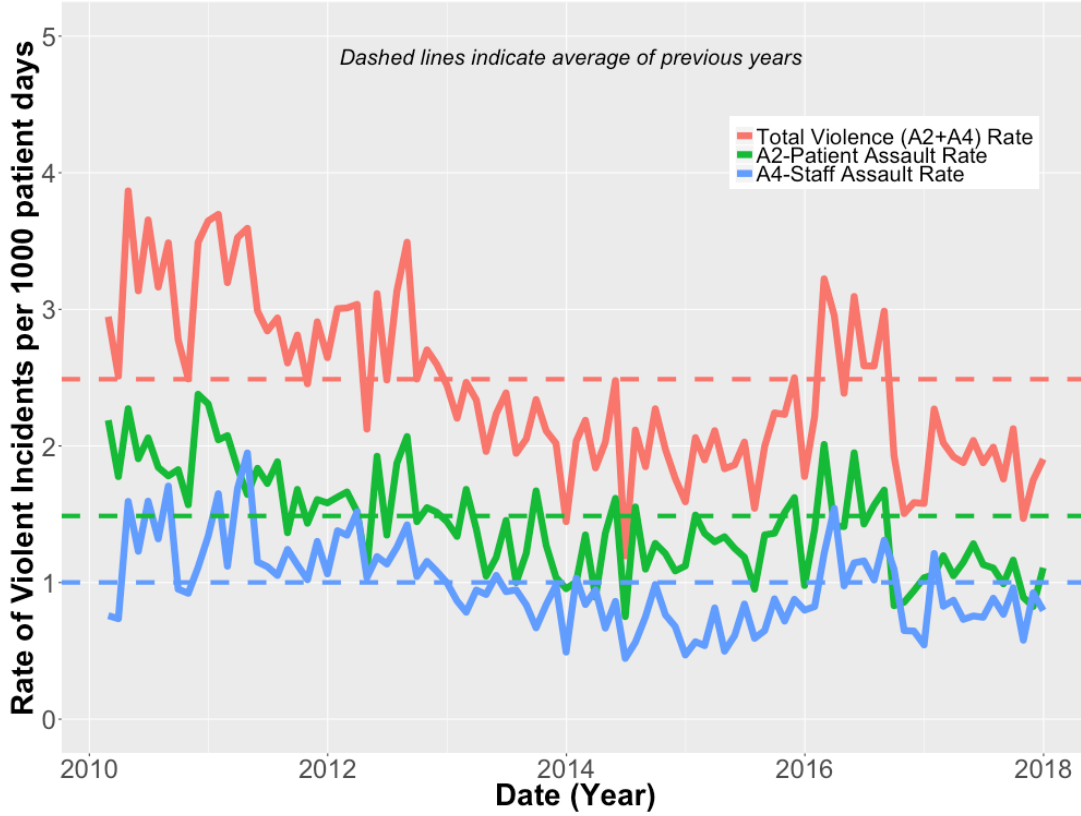
Trend of Monthly Violence Rates

Figure III.11
Trend of Monthly Rates of MDO Assaults in all DSH Hospitals, per 1000 Patient Days
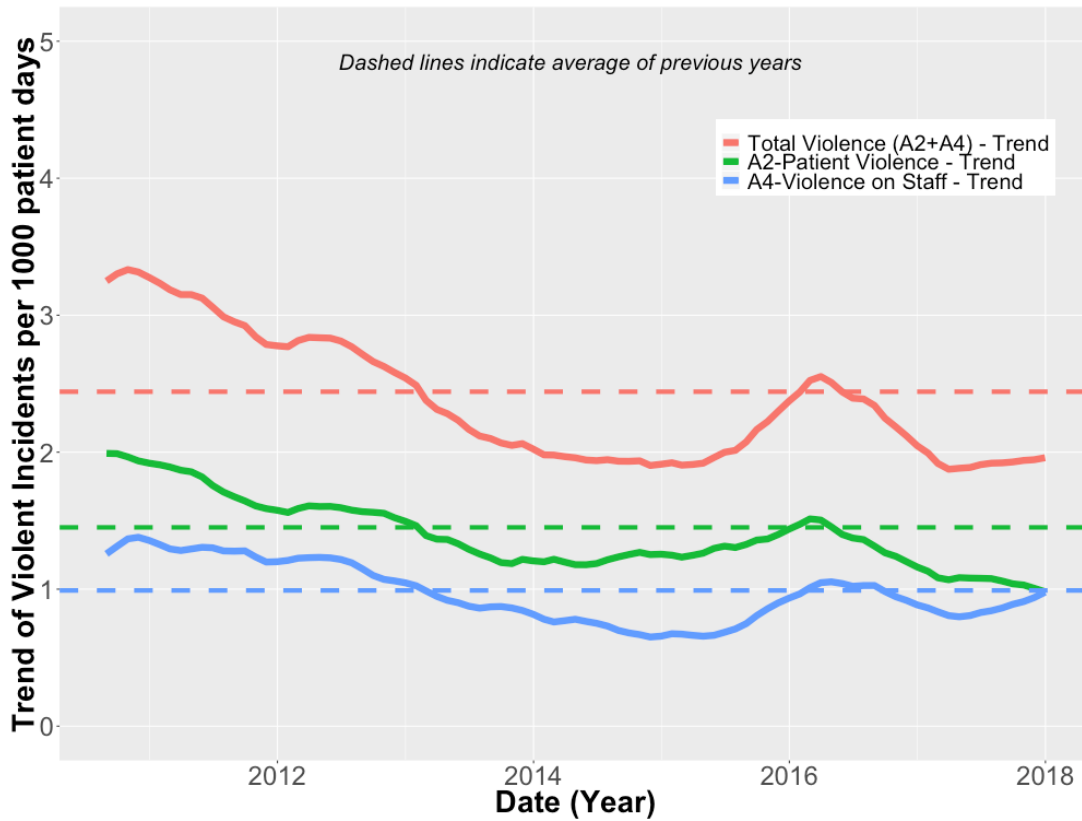
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

D. DSH Rates of Violence: SVP's

Yearly Violence Rates

Figure III.12
Yearly Rates of SVP Assaults in all DSH Hospitals
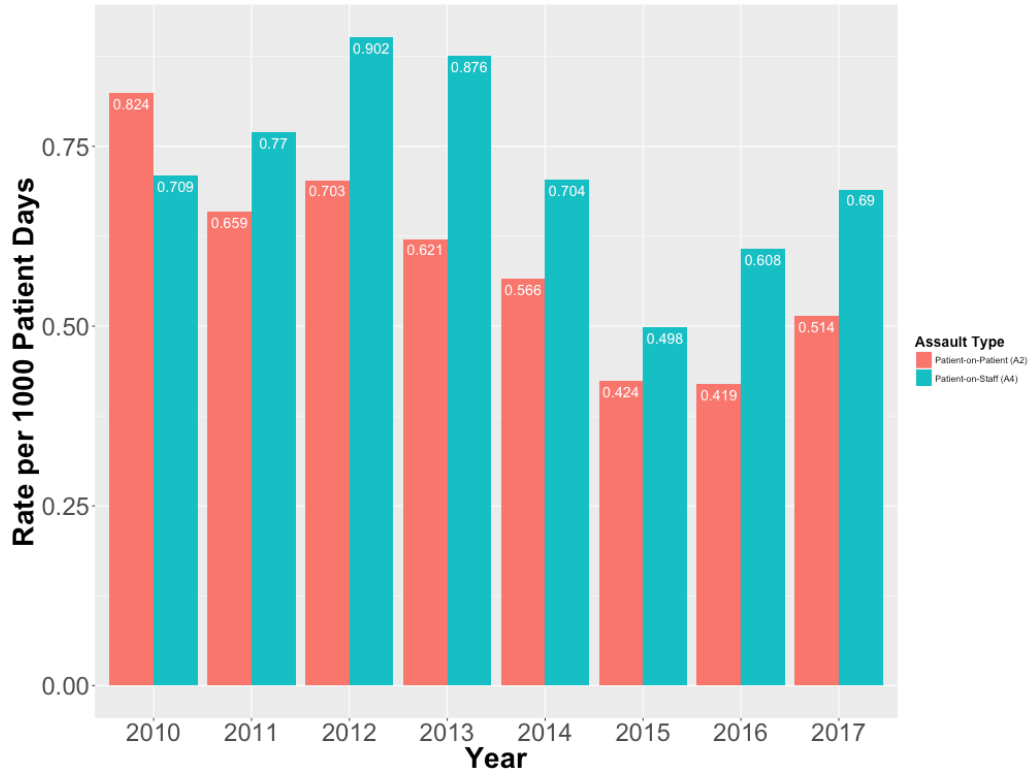
Table III.11
DSH SVP Yearly A2 Patient-on-patient Assault Summary

YEAR	SVP ASSAULTS (A2)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	236	286447	0.824	NA
2011	209	317075	0.659	-20
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	144	344032	0.419	-1.2
2017	178	346158	0.514	22.7

Table III.12
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	295	326960	0.902	17.1
2013	295	336696	0.876	-2.9
2014	239	339488	0.704	-19.6
2015	168	337447	0.498	-29.3
2016	209	344032	0.608	22.1
2017	239	346158	0.69	13.5

Monthly Violence Rates

Figure III.13
Monthly Rates of SVP Assaults in all DSH Hospitals, per 1000 Patient Days
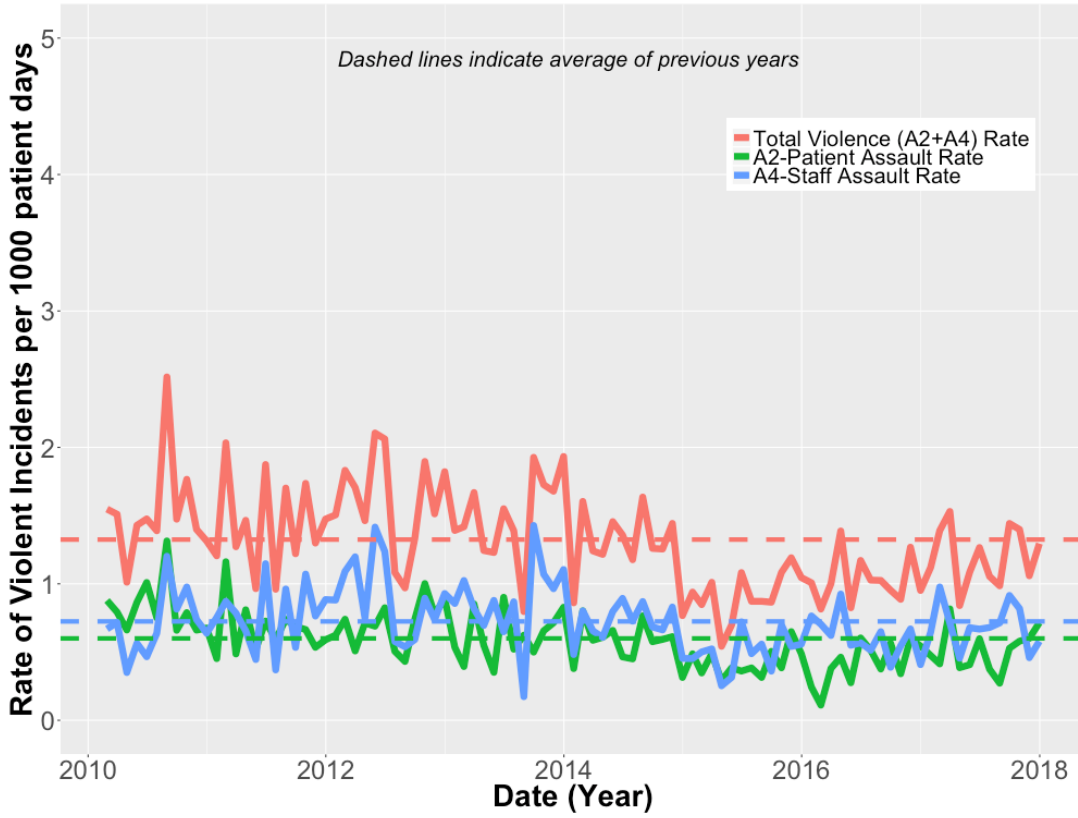
Trend of Monthly Violence Rates

Figure III.14
Trend of Monthly Rates of SVP Assaults in all DSH Hospitals, per 1000 Patient Days
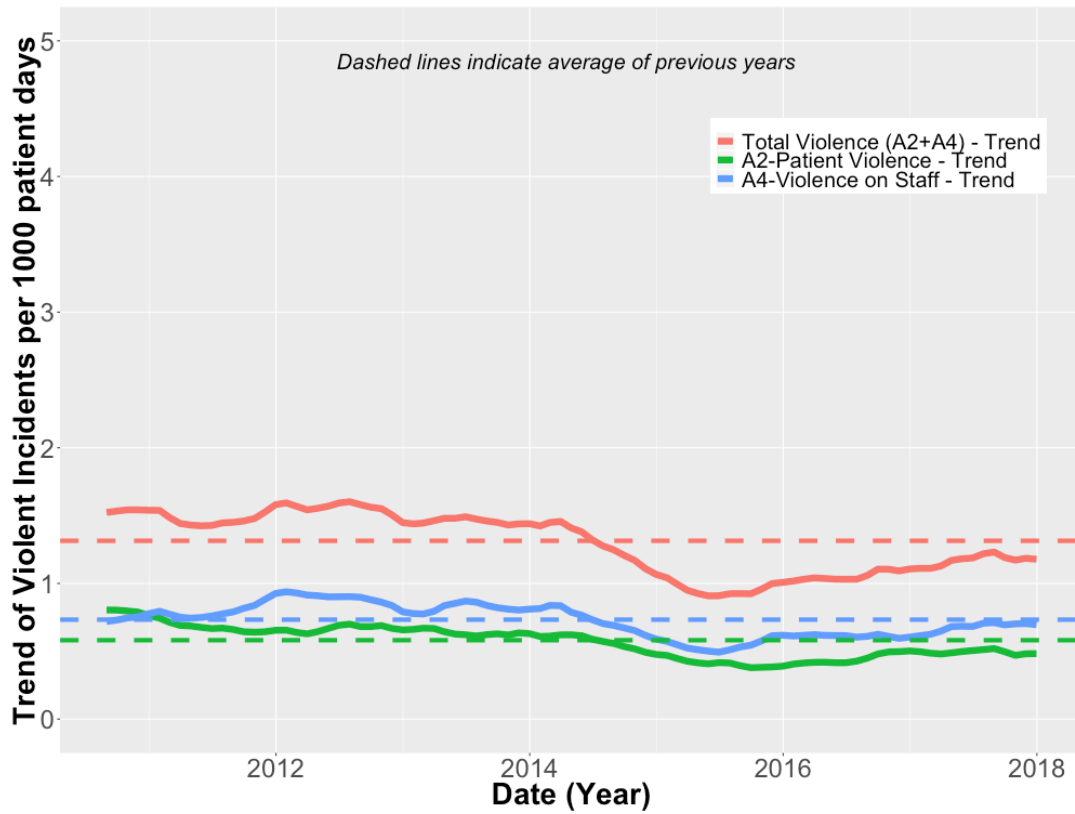
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

E. DSH Rates of Violence: LPS's

Yearly Violence Rates

Figure III.15
Yearly Rates of LPS Assaults in all DSH Hospitals
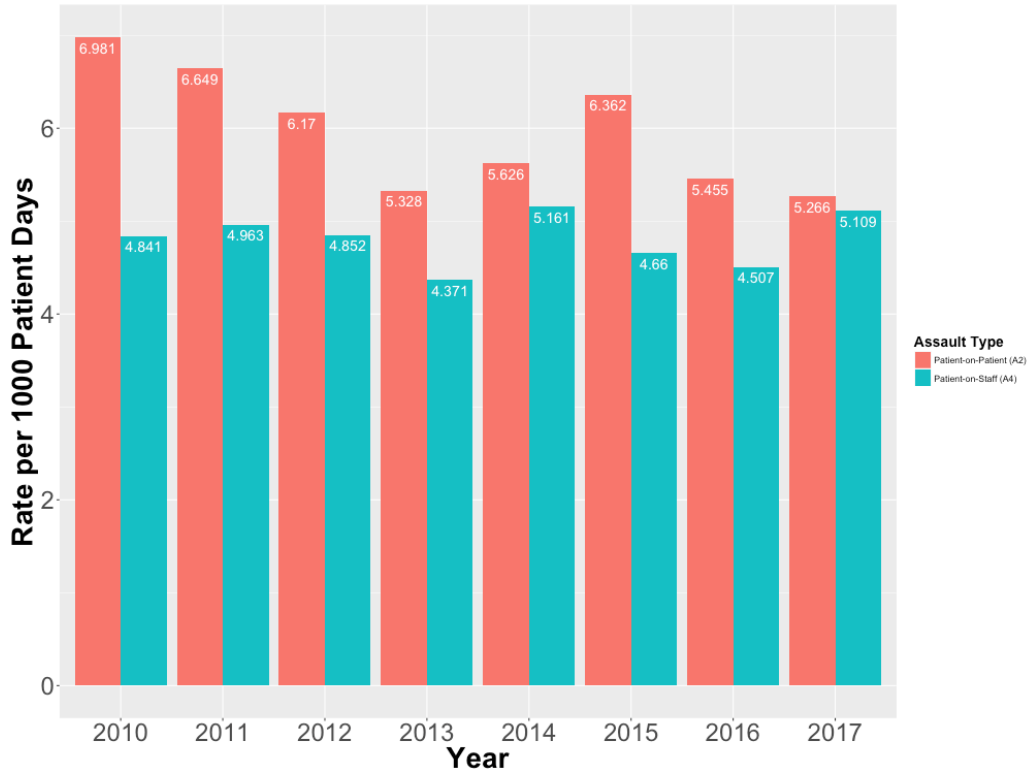
Table III.13
DSH LPS Yearly A2 Patient-on-patient Assault Summary

YEAR	LPS ASSAULTS (A2)	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	1168	167309	6.981	NA
2011	1250	188001	6.649	-4.8
2012	1245	201773	6.17	-7.2
2013	1063	199504	5.328	-13.6
2014	1197	212766	5.626	5.6
2015	1450	227908	6.362	13.1
2016	1317	241418	5.455	-14.3
2017	1346	255610	5.266	-3.5

Table III.14
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	810	167309	4.841	NA
2011	933	188001	4.963	2.5
2012	979	201773	4.852	-2.2
2013	872	199504	4.371	-9.9
2014	1098	212766	5.161	18.1
2015	1062	227908	4.66	-9.7
2016	1088	241418	4.507	-3.3
2017	1306	255610	5.109	13.4

Monthly Violence Rates

Figure III.16
Monthly Rates of LPS Assaults in all DSH Hospitals, per 1000 Patient Days
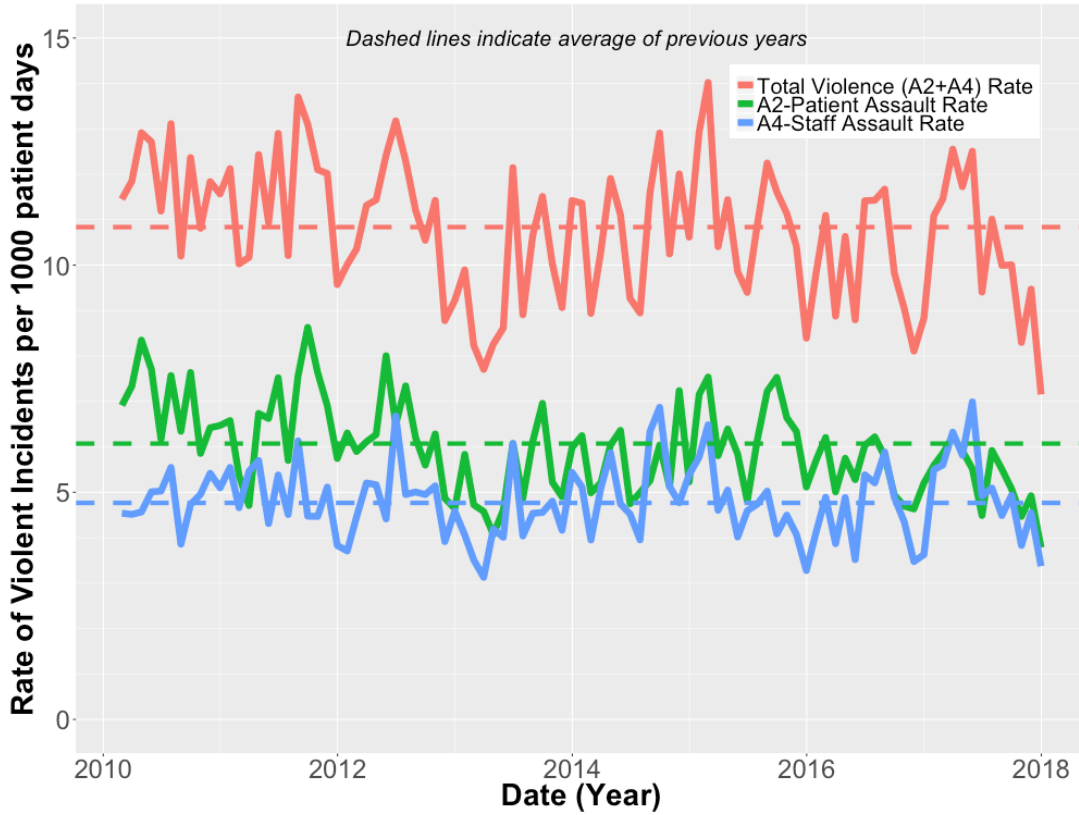
Trend of Monthly Violence Rates

Figure III.17
Trend of Monthly Rates of LPS Assaults in all DSH Hospitals, per 1000 Patient Days
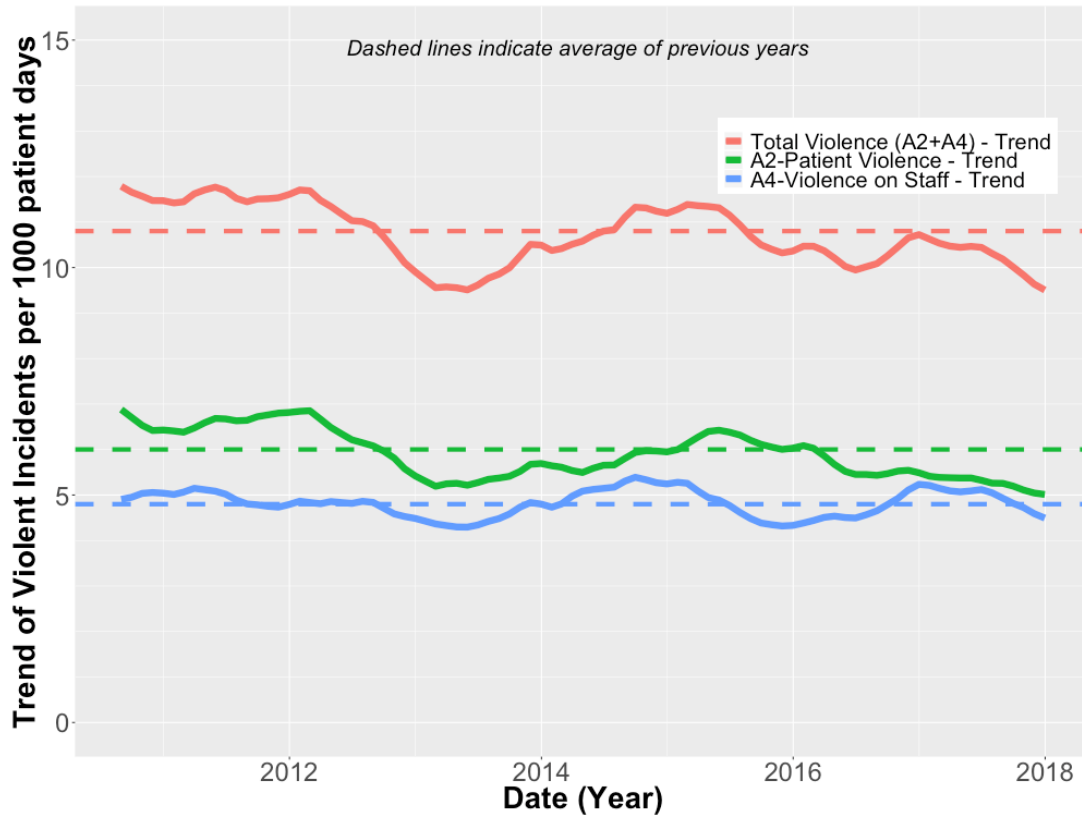
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

F. DSH Rates of Violence: PC2684's

Yearly Violence Rates

Figure III.18
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.*

Table III.15
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	73	89578	0.815	NA
2011	62	79955	0.775	-4.9
2012	75	99405	0.754	-2.7
2013	43	90337	0.476	-36.9
2014	65	89668	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

Table III.16
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	62	89578	0.692	NA
2011	36	79955	0.45	-35
2012	55	99405	0.553	22.9
2013	30	90337	0.332	-40
2014	37	89668	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

Monthly Violence Rates

Figure III.19
Monthly Rates of PC2684 Assaults in all DSH Hospitals, per 1000 Patient Days
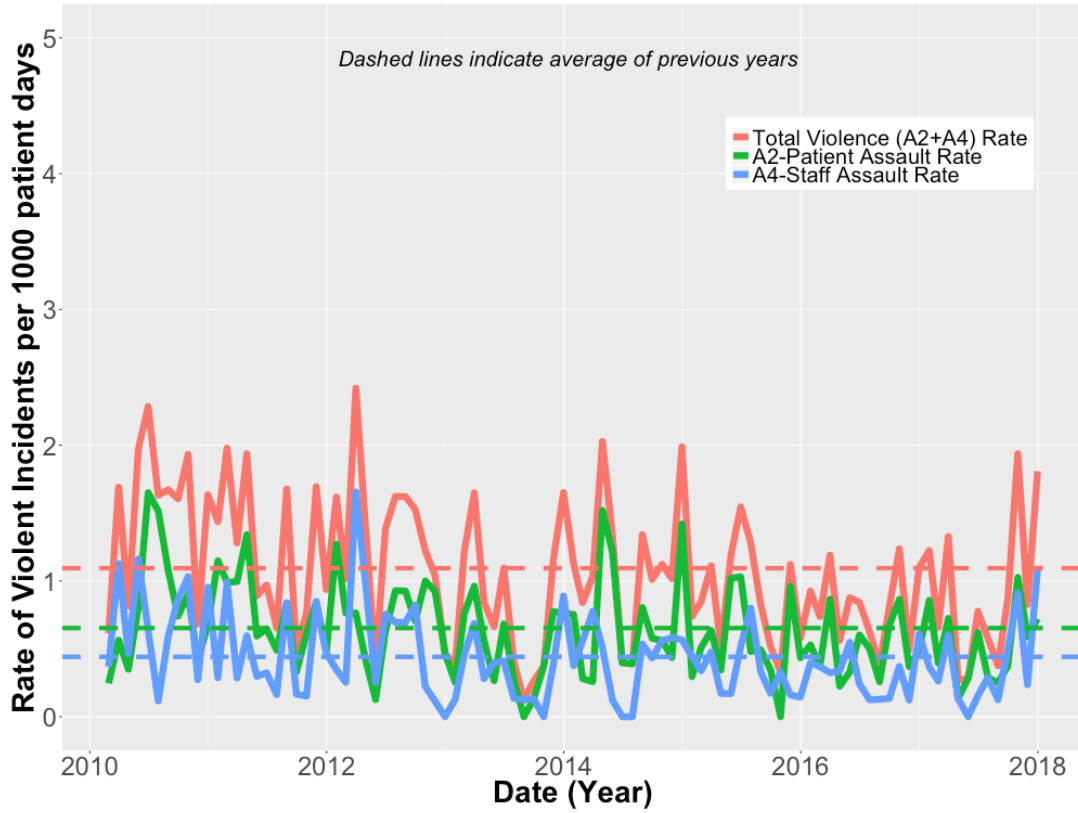
Trend of Monthly Violence Rates

Figure III.20
Trend of Monthly Rates of PC2684 Assaults in all DSH Hospitals, per 1000 Patient Days
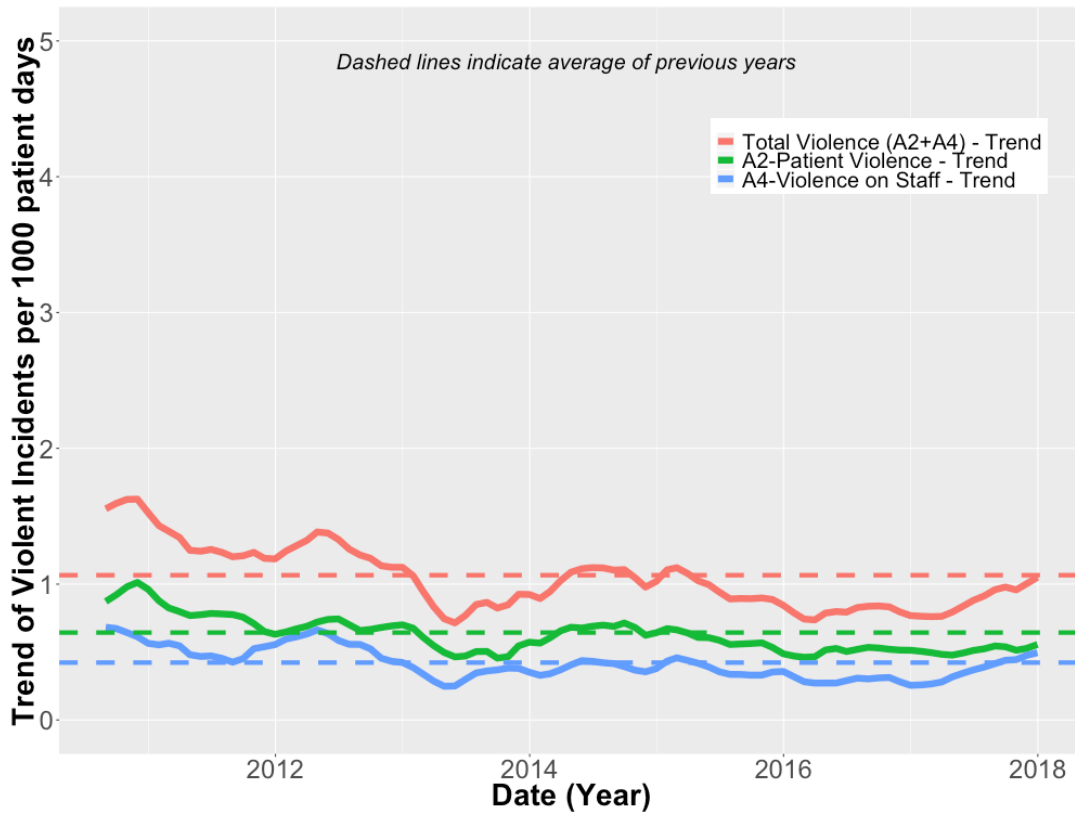

Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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.

Appendices

DSH-Atascadero

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

In the first section, the overall hospital population from the Average Daily Census (ADC) is given for each month during 2010-2017 and 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, MDO's, LPS, and SVP's). When a given legal class' numbers are 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).

Please note that prior to January 1, 2016 DSH-Atascadero (where the majority of MDO patients are housed) 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 III.17
DSH-Atascadero Monthly ADC, By Legal Commitment

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
1/31/10	0	85.04	3	599.04	3.42	121.9	219.29	11.8	1043.49
2/28/10	0	79.57	3	586.68	3	121.21	241.25	12	1046.71
3/31/10	0	67.81	3	583.16	3	121.03	251.29	12	1041.29
4/30/10	0	68.7	3	586.13	3	120.13	254.43	11.24	1046.63
5/31/10	0	110.13	3	592.58	3	119.55	249.71	12	1089.97
6/30/10	0	172.33	2.93	601.56	3	121.5	236.57	10.5	1148.39
7/31/10	0	192.97	2	600.65	3	122.16	249.13	5	1174.91
8/31/10	0	196.58	2	609.42	3	120.19	242.16	5.9	1179.25
9/30/10	0	218.77	2	606.33	3	123.67	243.03	7	1203.8
10/31/10	0	241.8	2.06	610.77	3	121.87	227.94	7.74	1215.18
11/30/10	0	241.83	3	611.8	3	122.37	224.27	8	1214.27
12/31/10	0	238	3	622.16	3	120.84	215.74	8.39	1211.13
1/31/11	0	232.42	3	629.61	2.32	117.87	206.77	7.77	1199.76
2/28/11	0	213.89	3	630.46	2	117.5	201.36	8.21	1176.42
3/31/11	0	203.68	3	640.49	2	121.1	213.03	7	1190.3
4/30/11	0	205	3	646	2	126.27	206.9	7	1196.17
5/31/11	0	167.1	3.03	646.65	2	126.55	201.29	7.74	1154.36
6/30/11	0	128.56	3	644.2	2	127.43	192.37	7.46	1105.02
7/31/11	0	102.65	3	652.15	2	127.19	180.84	7.71	1075.54
8/31/11	0	96.13	3	653.67	1.84	125.35	174.65	7.55	1062.19
9/30/11	0	96.04	3	652.66	1	123.33	178.3	7	1061.33
10/31/11	0	101.58	3.45	652.87	1	121.48	188.58	7	1075.96
11/30/11	0	90.8	4.03	637.1	1	123.03	200.7	7	1063.66
12/31/11	0	84.35	4.26	639.16	1	123.35	213.52	6.94	1072.58
1/31/12	0	84.03	4	646.52	1	122.35	212.13	5.81	1075.84
2/29/12	0	88.93	4.31	646.07	1	123.17	205.86	5	1074.34
3/31/12	0	100.61	5	643.12	1	123.58	193.42	5.71	1072.44
4/30/12	0	122.3	5	637	1	125.13	183.63	5	1079.06
5/31/12	0	142.48	5	628.36	1	122.74	196.55	4.94	1101.07
6/30/12	0	138.8	5	617.87	1	120.63	203.9	4	1091.2
7/31/12	0	133.91	5.13	610.26	1	120.16	217.48	4	1091.94
8/31/12	0	129.8	4.48	599.44	1	123.48	220.55	4	1082.75
9/30/12	0	127.4	4	597.3	1	125.87	226.9	4	1086.47
10/31/12	0	135.16	4.03	583.77	1	130.19	235.32	3.52	1092.99
11/30/12	0	159.87	4	588	1	129.47	234.73	3	1120.07

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
12/31/12	0	164.64	4	586.45	1	129.42	227.16	3	1115.67
1/31/13	0	173.68	4	592.65	1	127.23	209.39	4.19	1112.14
2/28/13	0	177.21	4.39	592.15	1	124.75	199.61	4	1103.11
3/31/13	0	189.35	6	563.48	1	124.39	195.48	4	1083.7
4/30/13	0	185.33	6	568.5	1	124.67	197.43	4	1086.93
5/31/13	0	185.75	6.97	554.12	1	124.52	200.16	4	1076.52
6/30/13	0	175.47	7	546.73	1	122.8	204.03	4	1061.03
7/31/13	0	166.38	7	530.1	1	123.84	200.94	4	1033.26
8/31/13	0	155.65	6.65	533.64	1	124.39	217.03	4	1042.36
9/30/13	0	148.36	6	535.94	1	125.27	211.23	4	1031.8
10/31/13	0	128	4.06	533.9	1	127.39	212.61	4	1010.96
11/30/13	0	120.73	4.03	538.96	1	128	207	4	1003.72
12/31/13	0	117.65	4.39	533.61	1	126.9	202.39	4	989.94
1/31/14	0	115.87	4.35	539.75	1	128.48	205.65	4	999.1
2/28/14	0	127.22	4.14	541.24	1	133.61	203.86	4	1015.07
3/31/14	0	154	5	543.71	1	135.9	198.68	4	1042.29
4/30/14	0	164.4	5.04	554.84	1	137.37	211.4	4	1078.05
5/31/14	0	180.88	4.61	552.71	1	136.94	215.61	3.58	1095.33
6/30/14	0	188.43	5.13	557.24	1	134.67	199.97	3.2	1089.64
7/31/14	0	185.97	5.68	566	1	137.55	196.68	3.48	1096.36
8/31/14	0	193.84	5	570.99	1	140.61	189.06	3	1103.5
9/30/14	0	192.5	5	581.43	1	141.9	178.9	3	1103.73
10/31/14	0	184.16	6	585.94	1	142.03	178.19	3.26	1100.58
11/30/14	0	185.7	6	590.93	1	139.13	177.73	3.2	1103.69
12/31/14	0	175.18	6	597.36	1	138.94	175.23	2	1095.71
1/31/15	0	167.29	7	613.68	1	138.84	166.74	2	1096.55
2/28/15	0	166.71	7	623.29	1	137.96	159.39	2	1097.35
3/31/15	0	166.9	8	634.45	1	139.23	155.13	0.87	1105.58
4/30/15	0	163.4	7.97	639.33	1	140.93	148.4	0	1101.03
5/31/15	0	172	7	631.58	1	139.19	150.45	0	1101.22
6/30/15	0	167.53	7	635.13	1	140.47	150.37	0	1101.5
7/31/15	0	176.52	7	615	1	140.61	150.1	0	1090.23
8/31/15	0	212.13	7	574.16	1	143.19	145.06	0.19	1082.73
9/30/15	0	238.44	7.5	573.74	1	142	143	1	1106.68
10/31/15	0	253.87	8	582.61	1	143.29	145.84	1	1135.61
11/30/15	0	250.74	8	580.73	1	144.3	158.7	1	1144.47
12/31/15	0	238.48	8	581.09	1	142.39	172.87	1	1144.83

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
1/31/16	0	227.16	8.61	582.51	0.97	140.87	193.32	0.45	1153.89
2/29/16	0	213.14	10	583.66	1	135.97	229.1	0.03	1172.9
3/31/16	0	207.55	9.1	564.64	1	127.71	248.74	1.23	1159.97
4/30/16	0	216.97	9	564.1	1	121.93	248.57	1.06	1162.63
5/31/16	0	227.2	9.19	576.13	1	118.74	247.42	1.26	1180.94
6/30/16	0	242.37	10	569.87	1	119.8	232.83	1	1176.87
7/31/16	0	243.9	10	567.32	0.94	119.84	217.61	1.03	1160.64
8/31/16	0	231.42	9.26	563.9	1	120.23	212.35	1	1139.16
9/30/16	0	228.07	10.57	573.4	1	119.4	210.1	1	1143.54
10/31/16	0	259.74	10.74	573.97	1	119.19	216.87	1	1182.51
11/30/16	0	257.7	10.5	573.53	1	119.9	223.03	1	1186.66
12/31/16	0	249.59	10	584	1	117.94	217.59	2	1182.12
1/31/17	0	245.51	10.42	593.81	1	119.94	216	2.29	1188.97
2/28/17	0	222.03	11	597.53	1	121	222.85	3	1178.41
3/31/17	0	216.59	10.94	608.8	1	123.35	217.87	3.58	1182.13
4/30/17	0	222.6	11	619	1	124.13	203.86	4	1185.59
5/31/17	0	240.87	11	613.8	1	126	182.71	2.23	1177.61
6/30/17	0	240.87	11.27	622.14	1	127.2	170.4	1.63	1174.51
7/31/17	0	218.55	11.64	630.81	1	128.45	174.22	1.65	1166.32
8/31/17	0	193.45	11.29	620.81	1	131.42	198.13	1	1157.1
9/30/17	0	181.4	11.2	632.2	1	131.5	211.07	1.53	1169.9
10/31/17	0	169.97	10.06	648.9	1	130.94	223.97	2	1186.84
11/30/17	0	162.07	11	643.73	1	133.6	223.83	1.63	1176.86
12/31/17	0	179.41	11	637.45	1	134.65	211.45	2.64	1177.6

As can be seen, there were no DJJ patients at DSH-Atascadero during this time. Additionally, the numbers of LPSs, MDSOs, and SVPs 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 III.21
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. 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.*

➢ *Overall, the total number of patient assaults decreased 24.2% over the 2016 total, while the total number of staff assaults decreased 13.9% from 2016.*
➢ *Coupled with a population increase (measured in "total patient days") in 2016 of about 0.6% the **rate** of patient-on-patient assault decreased 24.6% over 2016, while the **rate** of patient-on-staff assault decreased 14.4% from 2016.*

Table III.18
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	414313	1.854	NA
2011	684	408478	1.675	-9.7
2012	550	399075	1.378	-17.7
2013	396	384207	1.031	-25.2
2014	442	393194	1.124	9
2015	503	404796	1.243	10.6
2016	538	427041	1.26	1.4
2017	408	429536	0.95	-24.6

Table III.19
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	414313	0.963	NA
2011	409	408478	1.001	3.9
2012	448	399075	1.123	12.2
2013	227	384207	0.591	-47.4
2014	235	393194	0.598	1.2
2015	217	404796	0.536	-10.4
2016	438	427041	1.026	91.4
2017	377	429536	0.878	-14.4

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.

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

**Figure III.22
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Atascadero**
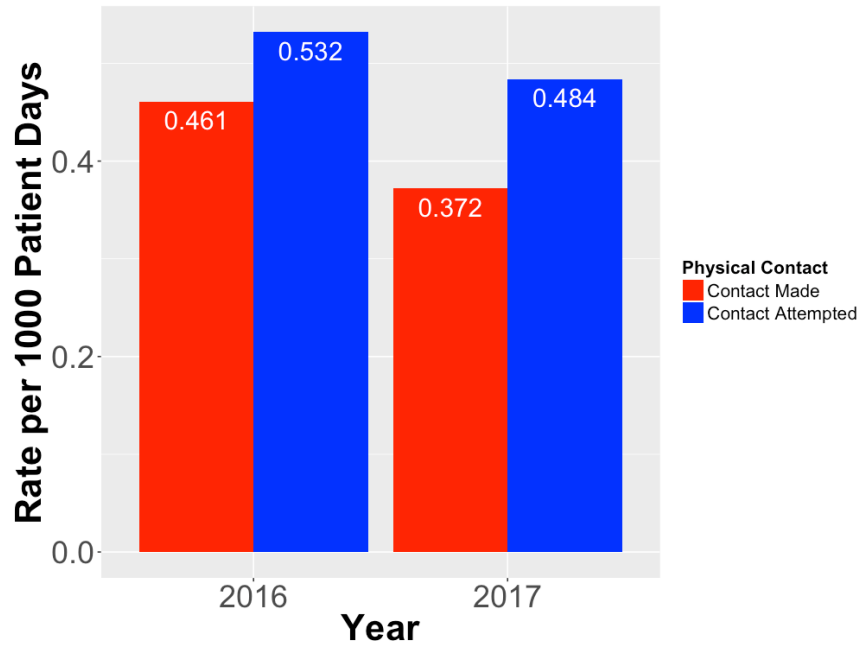
**Table III.20
DSH – Atascadero Staff Assaults – Physical Contact Made and Contact Attempted**

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

Monthly Rates

The previous barplot showing the violence rates as an overall yearly average does not show the monthly variability in the rates that occurs regularly. Two figures are shown, the first being a plot of the violence rates on a monthly basis, and the second 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).

Figure III.23
DSH-Atascadero Monthly Rates of Violence per 1000 Patient Days
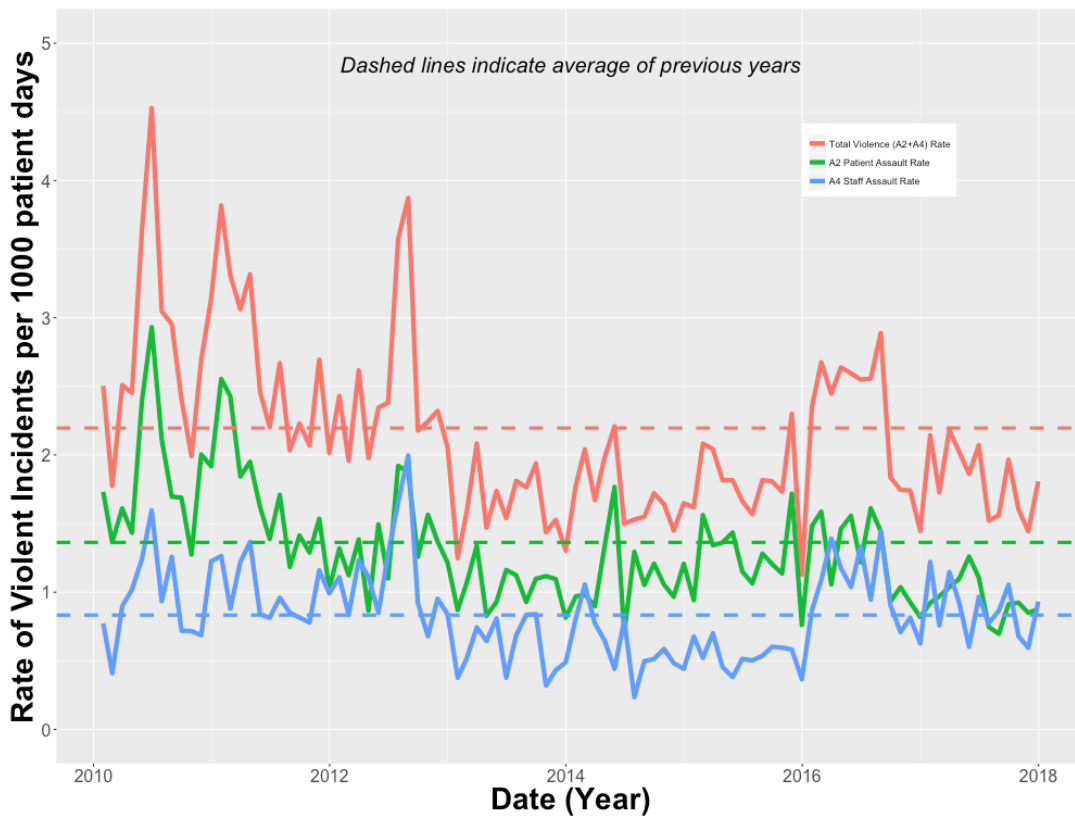
*Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient-on-staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient-on-staff (A4) either when physical contact was made **or** when physical contact was **attempted**. 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.1.C for further details.*

Trend of Monthly Rates

Figure III.24
DSH-Atascadero Trends of Monthly Rates of Violence per 1000 Patient Days

Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

*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 III.24 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 (2010-2016) average rate for each category, for comparison with 2017.

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 comparing 2017 to 2016 below notes whether an increase or decrease was seen in violence (patient or staff) at DSH-Atascadero across legal classes.

Table III.21
Comparison of overall 2017 Violence Rates to 2016 Rates

LEGAL CLASS	PATIENT-ON-PATIENT VIOLENCE	PATIENT-ON-STAFF VIOLENCE
IST	Increased	Increased
MDO	Decreased	Decreased
NGRI	Decreased	Increased
PC2684	Decreased	Increased

Note: Comparisons based on average of monthly rates for that year. See following tables for each legal class.

Table III.22 provides a yearly summary of the year-over-year changes in the assault rates.

Table III.22
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	0.409	1.774
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	0.835	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	0.850	2.344
6/30/12	1.100	1.283	2.383
7/31/12	1.920	1.654	3.575
8/31/12	1.877	1.996	3.873

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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
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	1.056	2.041
3/31/14	0.898	0.774	1.671
4/30/14	1.330	0.649	1.979
5/31/14	1.767	0.442	2.209
6/30/14	0.704	0.795	1.499
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	0.941	0.677	1.618
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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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
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

Violence Rates by Major Legal Classes

DSH-Atascadero IST's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.25
Trends of Monthly Rates of Violence for IST's at DSH-Atascadero

Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

*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.*

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 III.26
Monthly Rates of Violence for IST's at DSH-Atascadero
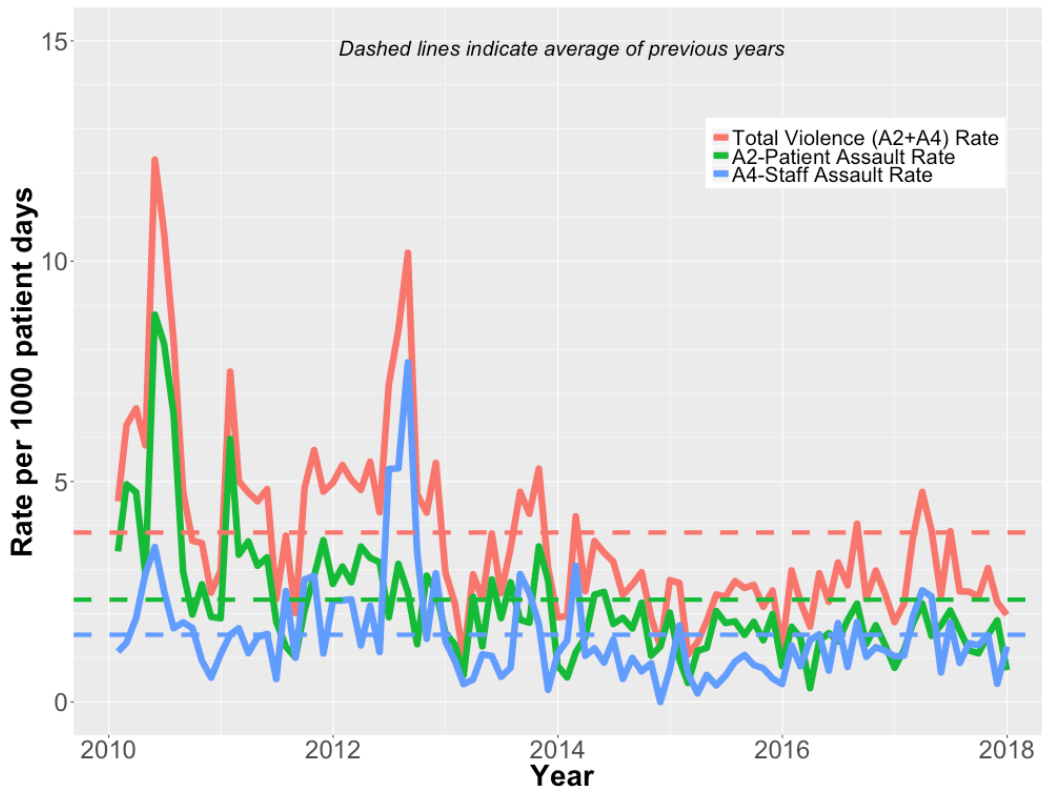
*Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient-on-staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient-on-staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. This resulted in an increase in the rates A4 assaults between 2015 and 2016. See Section II.1.C for further details.*

Table III.23
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	3.414	1.138	4.552
2/28/10	4.937	1.346	6.284
3/31/10	4.757	1.903	6.660
4/30/10	2.911	2.911	5.822

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
5/31/10	8.787	3.515	12.302
6/30/10	8.124	2.515	10.638
7/31/10	6.520	1.672	8.191
8/31/10	2.954	1.805	4.759
9/30/10	1.981	1.676	3.657
10/31/10	2.668	0.934	3.602
11/30/10	1.930	0.551	2.481
12/31/10	1.898	1.084	2.982
1/31/11	5.968	1.527	7.495
2/28/11	3.339	1.670	5.009
3/31/11	3.643	1.109	4.751
4/30/11	3.089	1.463	4.553
5/31/11	3.282	1.544	4.826
6/30/11	1.815	0.519	2.333
7/31/11	1.257	2.514	3.771
8/31/11	1.007	1.007	2.013
9/30/11	2.083	2.777	4.859
10/31/11	2.858	2.858	5.716
11/30/11	3.671	1.101	4.772
12/31/11	2.677	2.294	4.971
1/31/12	3.071	2.303	5.374
2/29/12	2.714	2.326	5.041
3/31/12	3.527	1.282	4.809
4/30/12	3.271	2.180	5.451
5/31/12	3.170	1.132	4.302
6/30/12	1.921	5.283	7.205
7/31/12	3.132	5.300	8.432
8/31/12	2.485	7.704	10.189
9/30/12	1.308	3.401	4.710
10/31/12	2.864	1.432	4.296
11/30/12	2.502	2.919	5.421
12/31/12	1.567	1.371	2.939
1/31/13	1.300	0.929	2.229
2/28/13	0.605	0.403	1.008
3/31/13	2.385	0.511	2.896
4/30/13	1.259	1.079	2.338
5/31/13	2.779	1.042	3.821
6/30/13	1.900	0.570	2.470

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
7/31/13	2.714	0.775	3.490
8/31/13	1.865	2.902	4.767
9/30/13	1.797	2.471	4.269
10/31/13	3.528	1.764	5.292
11/30/13	2.761	0.276	3.037
12/31/13	0.823	1.097	1.919
1/31/14	0.557	1.392	1.949
2/28/14	1.123	3.088	4.211
3/31/14	1.466	1.047	2.514
4/30/14	2.433	1.217	3.650
5/31/14	2.497	0.892	3.389
6/30/14	1.769	1.415	3.184
7/31/14	1.908	0.520	2.428
8/31/14	1.664	0.999	2.663
9/30/14	2.251	0.693	2.944
10/31/14	1.051	0.876	1.927
11/30/14	1.257	0.000	1.257
12/31/14	2.025	0.737	2.762
1/31/15	0.964	1.735	2.700
2/28/15	0.428	0.643	1.071
3/31/15	1.160	0.193	1.353
4/30/15	1.224	0.612	1.836
5/31/15	2.063	0.375	2.438
6/30/15	1.791	0.597	2.388
7/31/15	1.827	0.914	2.741
8/31/15	1.521	1.064	2.585
9/30/15	1.817	0.839	2.656
10/31/15	1.398	0.762	2.160
11/30/15	1.994	0.532	2.526
12/31/15	0.812	0.406	1.217
1/31/16	1.704	1.278	2.982
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
7/31/16	1.852	0.794	2.645

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
8/31/16	2.230	1.812	4.042
9/30/16	1.315	1.023	2.338
10/31/16	1.739	1.242	2.981
11/30/16	1.293	1.164	2.458
12/31/16	0.775	1.034	1.809
1/31/17	1.182	1.051	2.234
2/28/17	1.769	1.930	3.700
3/31/17	2.234	2.532	4.766
4/30/17	1.497	2.396	3.893
5/31/17	1.741	0.670	2.411
6/30/17	2.076	1.799	3.875
7/31/17	1.624	0.886	2.509
8/31/17	1.167	1.334	2.501
9/30/17	1.103	1.286	2.389
10/31/17	1.518	1.518	3.037
11/30/17	1.851	0.411	2.262
12/31/17	0.719	1.259	1.978

DSH-Atascadero MDO's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.27
Trends of Monthly Rates of Violence for MDO's at DSH-Atascadero

Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

*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.*

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 III.28
Monthly Rates of Violence for MDO's at DSH-Atascadero
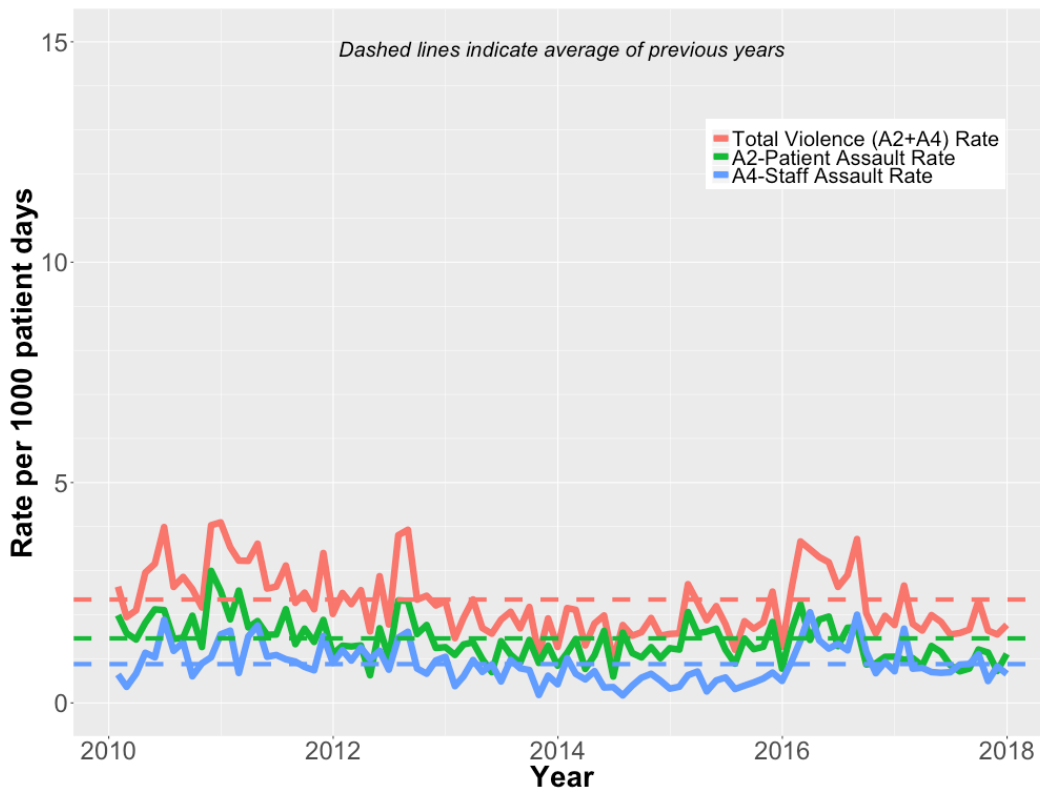
*Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient-on-staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient-on-staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. This resulted in an increase in the rates A4 assaults between 2015 and 2016. See Section II.1.C for further details.*

Table III.24
DSH-Atascadero MDO 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	1.438	0.664	2.102
4/30/10	1.820	1.137	2.957
5/31/10	2.123	1.034	3.157
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	0.605	2.584
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	1.685	0.817	2.503
10/31/11	1.383	0.741	2.125
11/30/11	1.884	1.517	3.401
12/31/11	1.110	0.908	2.019
1/31/12	1.297	1.197	2.495
2/29/12	1.281	0.961	2.242
3/31/12	1.304	1.254	2.558
4/30/12	0.628	0.994	1.622
5/31/12	1.694	1.181	2.875
6/30/12	1.025	0.755	1.780
7/31/12	2.326	1.480	3.806
8/31/12	2.314	1.614	3.928
9/30/12	1.563	0.781	2.344

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
10/31/12	1.768	0.663	2.431
11/30/12	1.247	0.964	2.211
12/31/12	1.265	1.045	2.310
1/31/13	1.089	0.381	1.470
2/28/13	1.327	0.603	1.930
3/31/13	1.374	0.973	2.347
4/30/13	0.997	0.704	1.700
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	0.907	0.786	1.693
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	1.016	2.152
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	1.634	0.350	1.984
6/30/14	0.598	0.359	0.957
7/31/14	1.596	0.171	1.767
8/31/14	1.130	0.395	1.525
9/30/14	1.032	0.573	1.605
10/31/14	1.266	0.661	1.927
11/30/14	1.015	0.508	1.523
12/31/14	1.242	0.324	1.566
1/31/15	1.209	0.368	1.577
2/28/15	2.063	0.630	2.693
3/31/15	1.576	0.712	2.288
4/30/15	1.616	0.261	1.877
5/31/15	1.685	0.511	2.196
6/30/15	1.207	0.577	1.784
7/31/15	0.892	0.315	1.206
8/31/15	1.461	0.393	1.854
9/30/15	1.220	0.465	1.685
10/31/15	1.273	0.554	1.827
11/30/15	1.837	0.689	2.526

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
12/31/15	0.777	0.500	1.277
1/31/16	1.661	0.941	2.603
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
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	1.049	0.718	1.768
1/31/17	0.978	1.684	2.662
2/28/17	1.016	0.777	1.793
3/31/17	0.848	0.795	1.643
4/30/17	1.292	0.700	1.992
5/31/17	1.156	0.683	1.839
6/30/17	0.857	0.697	1.554
7/31/17	0.716	0.869	1.585
8/31/17	0.779	0.883	1.663
9/30/17	1.213	1.107	2.320
10/31/17	1.143	0.497	1.640
11/30/17	0.725	0.829	1.553
12/31/17	1.113	0.658	1.771

DSH-Atascadero NGRI's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.29
**Trends of Monthly Rates of Violence for NGRI's at DSH-Atascadero**

Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

*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.*

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 III.30
Monthly Rates of Violence for NGRI's at DSH-Atascadero
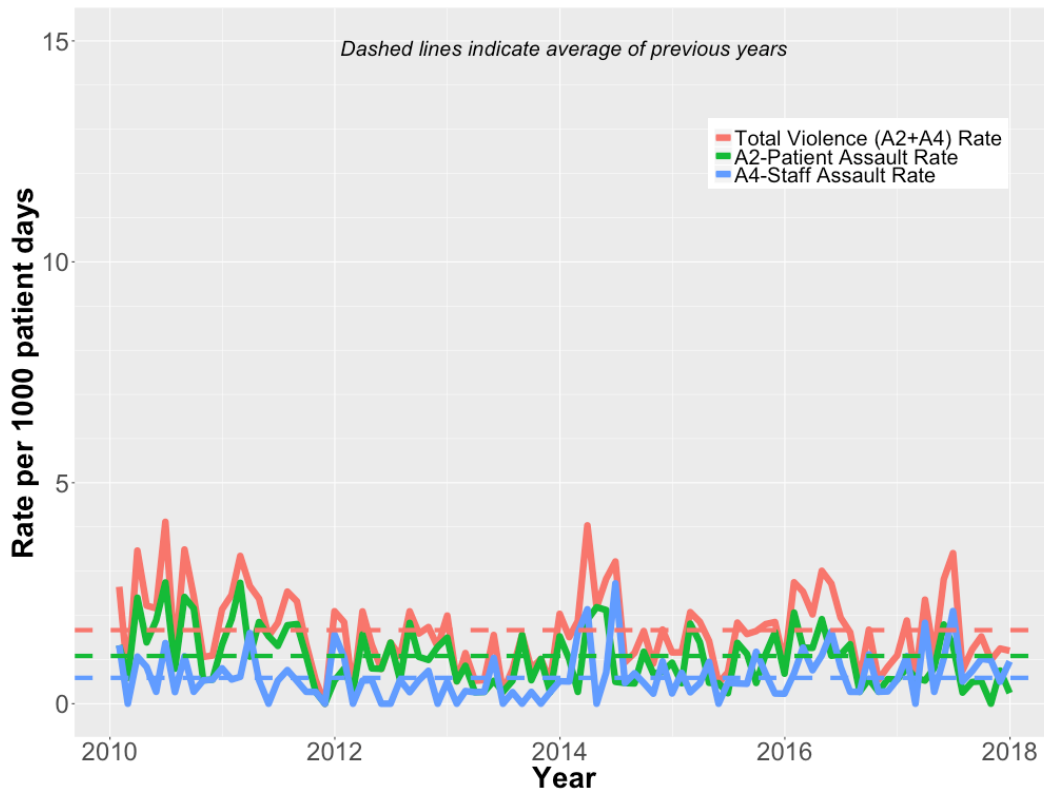
Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient-on-staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient-on-staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. This resulted in an increase in the rates A4 assaults between 2015 and 2016. See Section II.1.C for further details.

Table III.25
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	1.323	1.323	2.646
2/28/10	0.589	0.000	0.589
3/31/10	2.399	1.066	3.465
4/30/10	1.387	0.832	2.220
5/31/10	1.889	0.270	2.159
6/30/10	2.743	1.372	4.115
7/31/10	0.792	0.264	1.056
8/31/10	2.415	1.074	3.489
9/30/10	2.156	0.270	2.426
10/31/10	0.529	0.529	1.059
11/30/10	0.545	0.545	1.090
12/31/10	1.335	0.801	2.136
1/31/11	1.916	0.547	2.463
2/28/11	2.736	0.608	3.343
3/31/11	1.066	1.598	2.664
4/30/11	1.848	0.528	2.376
5/31/11	1.529	0.000	1.529
6/30/11	1.308	0.523	1.831
7/31/11	1.775	0.761	2.536
8/31/11	1.801	0.515	2.316
9/30/11	1.081	0.270	1.351
10/31/11	0.266	0.266	0.531
11/30/11	0.000	0.000	0.000
12/31/11	0.523	1.569	2.092
1/31/12	0.791	1.055	1.846
2/29/12	0.280	0.000	0.280
3/31/12	1.566	0.522	2.088
4/30/12	0.799	0.533	1.332
5/31/12	0.788	0.000	0.788
6/30/12	1.382	0.000	1.382
7/31/12	0.537	0.537	1.074
8/31/12	1.829	0.261	2.090
9/30/12	1.059	0.530	1.589
10/31/12	0.991	0.743	1.734
11/30/12	1.287	0.000	1.287

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
12/31/12	1.496	0.499	1.994
1/31/13	0.507	0.000	0.507
2/28/13	0.859	0.286	1.145
3/31/13	0.259	0.259	0.519
4/30/13	0.267	0.267	0.535
5/31/13	0.518	1.036	1.554
6/30/13	0.271	0.000	0.271
7/31/13	0.521	0.260	0.781
8/31/13	1.556	0.000	1.556
9/30/13	0.532	0.266	0.798
10/31/13	1.013	0.000	1.013
11/30/13	0.260	0.260	0.521
12/31/13	1.525	0.508	2.034
1/31/14	1.004	0.502	1.506
2/28/14	0.267	1.604	1.871
3/31/14	1.899	2.136	4.035
4/30/14	2.184	0.000	2.184
5/31/14	2.120	0.707	2.827
6/30/14	0.495	2.723	3.218
7/31/14	0.469	0.469	0.938
8/31/14	0.459	0.688	1.147
9/30/14	1.175	0.470	1.644
10/31/14	0.681	0.227	0.908
11/30/14	0.719	0.958	1.677
12/31/14	0.929	0.232	1.161
1/31/15	0.465	0.697	1.162
2/28/15	1.812	0.259	2.071
3/31/15	1.390	0.463	1.854
4/30/15	0.473	0.946	1.419
5/31/15	0.463	0.000	0.463
6/30/15	0.237	0.475	0.712
7/31/15	1.376	0.459	1.835
8/31/15	1.126	0.451	1.577
9/30/15	0.469	1.174	1.643
10/31/15	1.126	0.675	1.801
11/30/15	1.617	0.231	1.848
12/31/15	0.680	0.227	0.906

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/16	2.061	0.687	2.748
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
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	0.271	0.271	0.541
11/30/16	0.556	0.278	0.834
12/31/16	0.547	0.547	1.094
1/31/17	0.807	1.076	1.883
2/28/17	0.590	0.000	0.590
3/31/17	0.523	1.831	2.354
4/30/17	0.806	0.269	1.074
5/31/17	1.792	1.024	2.816
6/30/17	1.310	2.096	3.407
7/31/17	0.251	0.502	0.753
8/31/17	0.491	0.736	1.227
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	0.240	0.958	1.198

DSH-Atascadero PC2684's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.31
**Trends of Monthly Rates of Violence for PC2684's at DSH-Atascadero**

Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

*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.*

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 III.32
Monthly Rates of Violence for PC2684's at DSH-Atascadero
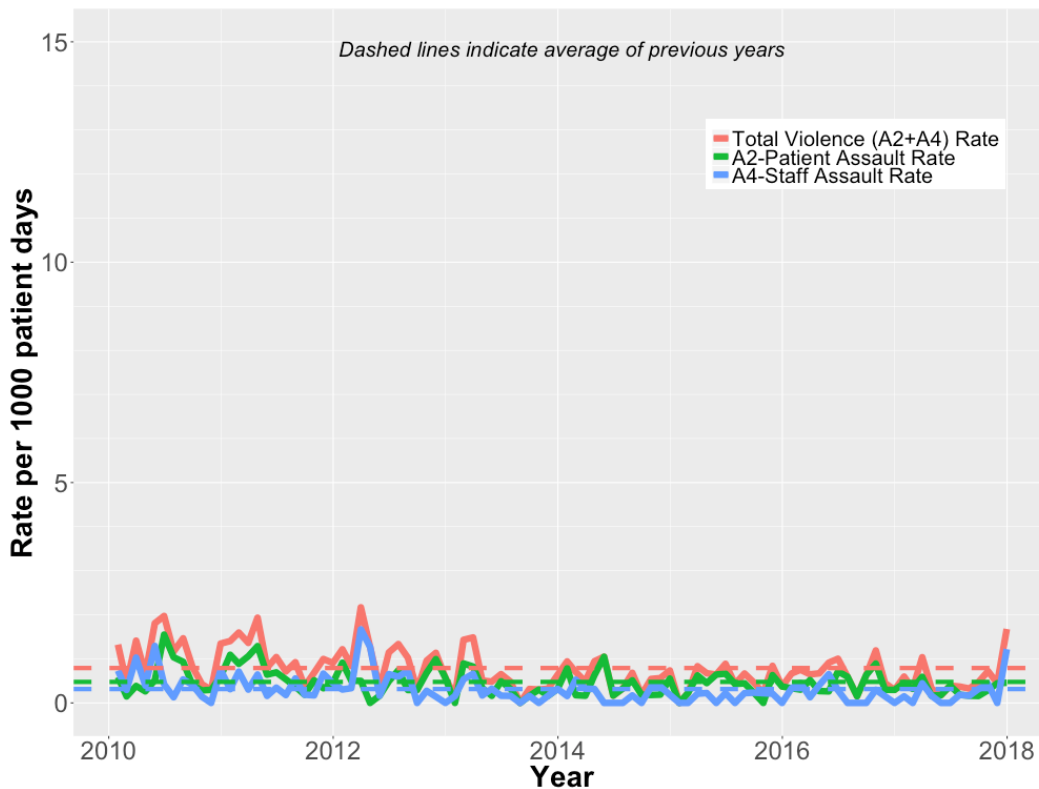
Note: Prior to January 1, 2016 DSH-Atascadero coded an assault as Patient-on-staff (A4) only when physical contact was made between patient and staff. All other DSH facilities code an assault as Patient-on-staff (A4) either when physical contact was made **or** when physical contact was **attempted**. On January 1, 2016 DSH-Atascadero began coding assaults in the same manner as all other DSH facilities. This resulted in an increase in the rates A4 assaults between 2015 and 2016. See Section II.1.C for further details.

Table III.26
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	0.262	0.393	0.655
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	0.187	0.187	0.374
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	0.503	0.335	0.838
3/31/12	0.500	1.668	2.168
4/30/12	0.000	1.271	1.271
5/31/12	0.164	0.164	0.328
6/30/12	0.490	0.654	1.144
7/31/12	0.742	0.593	1.335
8/31/12	0.293	0.731	1.024
9/30/12	0.294	0.000	0.294

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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
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	0.526	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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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
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

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 2010-2017, 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., ISTs, NGRIs, MDOs, LPSs, and SVPs). When a given legal class' numbers are 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 III.27
DSH-Coalinga Monthly ADC, By Legal Commitment

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
1/31/10	0	0	0	87.26	1.58	0	34.23	843.61	966.68
2/28/10	0	0	0	98.07	2	0	28.57	840.68	969.32
3/31/10	0	0	0	101	2	0	12.77	841.49	957.26
4/30/10	0	0	0	101	2	0	4.9	844.1	952
5/31/10	0	0	0	100.71	2	0	0	844.8	947.51
6/30/10	0	0	0	98.33	2	0	0	846.8	947.13
7/31/10	0	0	0	98	2	0	0	853.3	953.3
8/31/10	0	0	0	97.29	2	0	0	852.1	951.39
9/30/10	0	0	0	97	2	0	0	851.3	950.3
10/31/10	0	0	0	97	2	0	0	849.84	948.84
11/30/10	0	0	0	97	2	0	0	848.73	947.73
12/31/10	0	0	0	96.65	2	0	0	849.65	948.3
1/31/11	0	0	0	96.32	2.68	0	0	847.58	946.58
2/28/11	0	0	0	95.04	3	0	0	851.46	949.5
3/31/11	0	0	0	96	3	0	0	854.13	953.13
4/30/11	0	0	0	95.7	3	0	0	856.4	955.1
5/31/11	0	0	0	95.87	3.9	0	0	860.26	960.03
6/30/11	0	0	0	96.6	4	0	0	862.94	963.54
7/31/11	0	0	0	95.19	4	0	0	864.51	963.7
8/31/11	0	0	0	95.45	4	0	0	863.38	962.83
9/30/11	0	0	0	96	4.33	0	0	865.67	966
10/31/11	0	0	0	96	5	0	0	865.29	966.29
11/30/11	0	0	0	94.97	5	0	15.1	864.53	979.6
12/31/11	0	0	0	93.84	5	0	40.32	867.29	1006.45
1/31/12	0	0	0	92.84	5	0	49.42	871.77	1019.03
2/29/12	0	0	0	93	5	0	49.52	878.76	1026.28
3/31/12	0	0	0	93	5	0	48.03	881.97	1028
4/30/12	0	0	0	92.13	5	0	45.63	882.6	1025.36
5/31/12	0	0	0	90.42	5	0	49.65	882.74	1027.81
6/30/12	0	0	0	90.3	5	0	49.57	884.2	1029.07
7/31/12	0	0	0	90	5	0	49.23	888.93	1033.16
8/31/12	0	0	0	92	5	0	49.61	892.61	1039.22
9/30/12	0	0	0	91.63	5	0	49.67	896.97	1043.27
10/31/12	0	0	0	91.52	5	0	48.32	896.9	1041.74
11/30/12	0	0	0	90.9	5	0	47.43	899.33	1042.66

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
12/31/12	0	0	0	92.65	5	0	45.06	898.94	1041.65
1/31/13	0	0	0	92.39	5	0	40.81	898.97	1037.17
2/28/13	0	0	0	96.57	5	0	32.75	901.65	1035.97
3/31/13	0	0	0	122.87	5	0	36.23	903.42	1067.52
4/30/13	0	0	0	133	5	0	37.03	905.9	1080.93
5/31/13	0	0	0	136	5	0	40.42	912.93	1094.35
6/30/13	0	0	0	135.77	5	0	37.6	919.57	1097.94
7/31/13	0	0	0	135	5	0	36	923.78	1099.78
8/31/13	0	0	0	133.81	5	0	37.58	926.06	1102.45
9/30/13	0	0	0	132.37	5	0	40.03	929.1	1106.5
10/31/13	0	0	0	132.29	5	0	45.13	929.29	1111.71
11/30/13	0	0	0	132	5	0	49.17	928.03	1114.2
12/31/13	0	0	0	132	5	0	49.52	929.45	1115.97
1/31/14	0	0	0	130.87	5	0	49.19	931.49	1116.55
2/28/14	0	0	0	135.14	5	0	49.04	930.18	1119.36
3/31/14	0	0	0	156.58	5	0	48.68	930.48	1140.74
4/30/14	0	0	0	167.67	5	0	49.73	926.94	1149.34
5/31/14	0	0	0	167.9	5	0	49.29	926.1	1148.29
6/30/14	0	0	0	177.67	5	0	49.73	928.63	1161.03
7/31/14	0	0	0	182.39	5	0.06	49.42	927.32	1164.19
8/31/14	0	0	0	184.71	5	0	49.45	922.87	1162.03
9/30/14	0	0	0	193.77	5	0	49.7	922.1	1170.57
10/31/14	0	0	0	197.06	5	0	49.61	920.77	1172.44
11/30/14	0	0	0	205.37	5	0	49.43	920.04	1179.84
12/31/14	0	0	0	206.26	5	0	50	921.93	1183.19
1/31/15	0	0	0	203.29	5	0	49.52	924.19	1182
2/28/15	0	0	0	201.54	5	0	49.14	923.68	1179.36
3/31/15	0	0	0	199.16	5	0	46.03	923.38	1173.57
4/30/15	0	0	0	204.77	5.67	0	43.37	920.97	1174.78
5/31/15	0	0	0	216	9.81	0	37.23	921.93	1184.97
6/30/15	0	0	0	221.7	10	0	41.53	923.03	1196.26
7/31/15	0	0	0	234.26	10	0	49.52	923.87	1217.65
8/31/15	0	0	0	264.06	10	0	48.97	923.71	1246.74
9/30/15	0	0	0	270.03	10	0	47.9	922.4	1250.33
10/31/15	0	0	0	272.1	10	0.81	48.52	921	1252.43
11/30/15	0	0	0	272.83	10.47	1	47.23	921.57	1253.1
12/31/15	0	0	0	273.32	11	1	47.77	923.42	1256.51
1/31/16	0	0	0	273.23	11	1	48.55	926.9	1260.68

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
2/29/16	0	0	0	275.1	11	1	49.31	929.41	1265.82
3/31/16	0	0	0	278	11	1	48.06	931.77	1269.83
4/30/16	0	0	0	275.7	11	1	47.83	935.1	1270.63
5/31/16	0	0	0	275.06	11	1	47.16	936.36	1270.58
6/30/16	0	0	0	277.1	11	1	43.8	937.13	1270.03
7/31/16	0	0	0	278.06	11.06	1.03	39.35	940.09	1269.59
8/31/16	0	0	0.71	278.55	11	1	38.1	942.13	1271.49
9/30/16	0	0	1	279	11	1	37.17	942.47	1271.64
10/31/16	0	0	1	279.65	11	1.23	43.97	943.84	1280.69
11/30/16	0	0	1	278.5	11	2	47.87	944.07	1284.44
12/31/16	0	0	1	276.65	11	2	46.45	946	1283.1
1/31/17	0	0	1	276	11	2	47.65	947.26	1284.91
2/28/17	0	0	1	275.21	10.07	2	48.79	946.53	1283.6
3/31/17	0	0	1	272.74	10	2	49.29	943.93	1278.96
4/30/17	0	0	1	275.67	10	2	44.87	946.4	1279.94
5/31/17	0	0	1	280.45	10	2	45.42	947.39	1286.26
6/30/17	0	0	1	284.3	10	2	44.03	945.36	1286.69
7/31/17	0	0	1	283.94	10	2	48.23	945.97	1291.14
8/31/17	0	0	1	281.81	10	2	49.06	947.07	1290.94
9/30/17	0	0	1	281.5	10	2	47.73	944.93	1287.16
10/31/17	0	0	1	282.61	10	2	47.81	942.78	1286.2
11/30/17	0	0	1	281.3	10	2	47.9	941.36	1283.56
12/31/17	0	0	1	287.16	10	2	48.55	942.48	1291.19

As can be seen, there were no DJJ or IST patients at DSH-Coalinga during this time. Additionally, the numbers of LPSs, MDSOs and NGRIs 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 III.34
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Coalinga
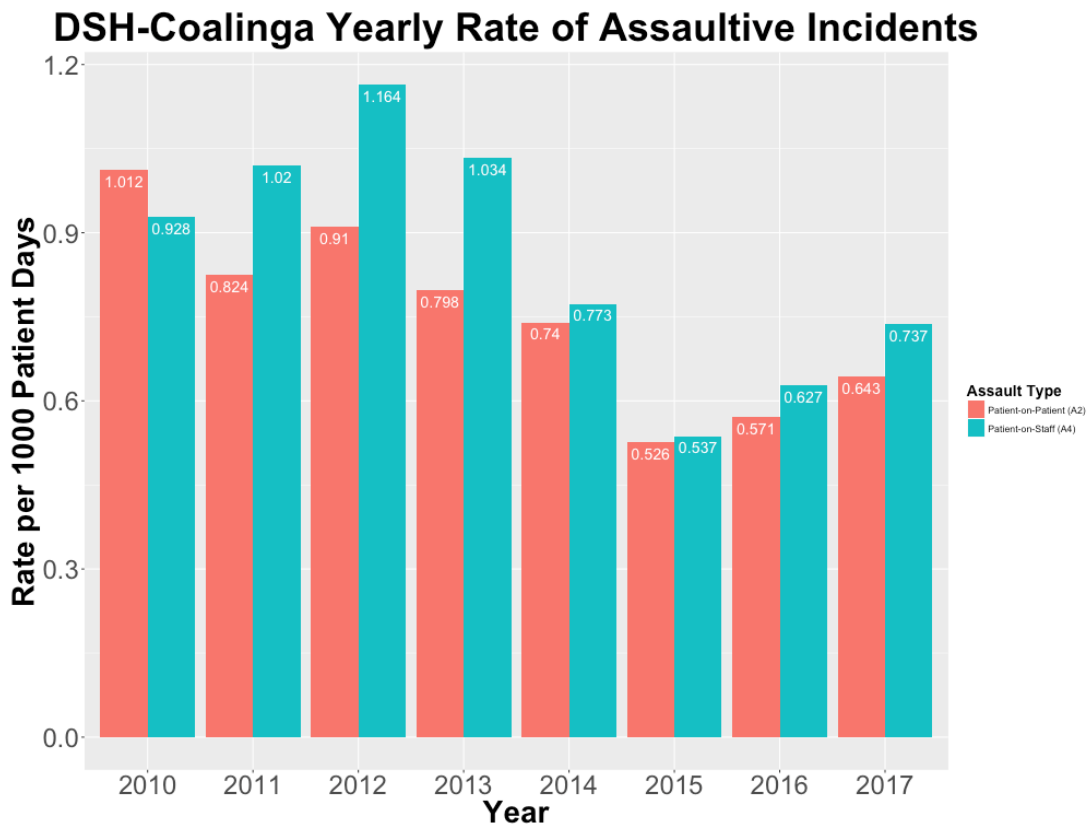
Table III.28

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	465696	0.571	8.6
2017	302	469359	0.643	12.6

Table III.29
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	465696	0.627	16.8
2017	346	469359	0.737	17.5

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

Figure III.35
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Coalinga
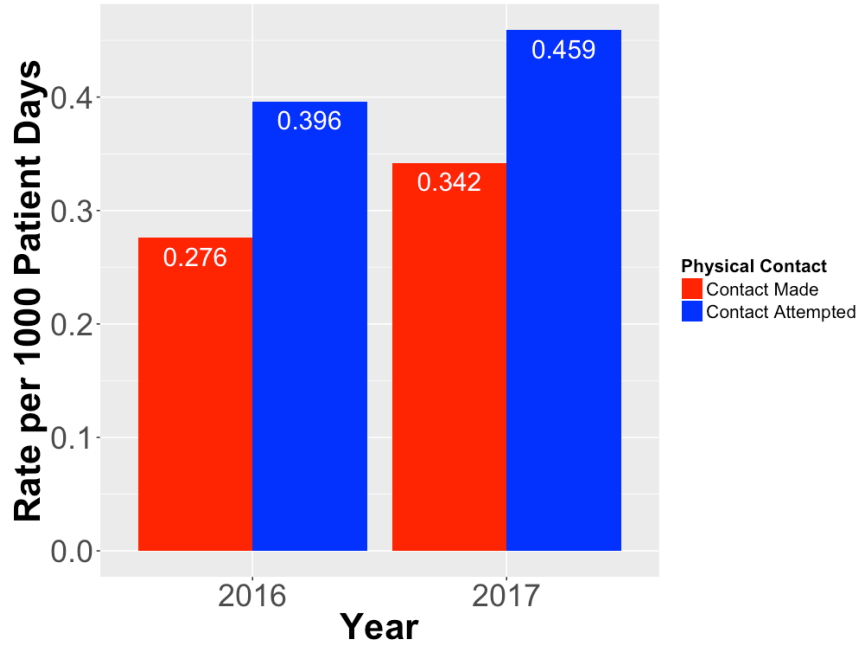
Table III.30
DSH – Coalinga Staff Assaults – Physical Contact Made and Contact Attempted

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

Monthly Rates

The previous barplot showing the violence rates as an overall yearly average does not show the monthly variability in the rates that occurs regularly. Two figures are shown, the first being a plot of the violence rates on a monthly basis, and the second 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).

Figure III.36
DSH-Coalinga Monthly Rates of Violence per 1000 Patient Days
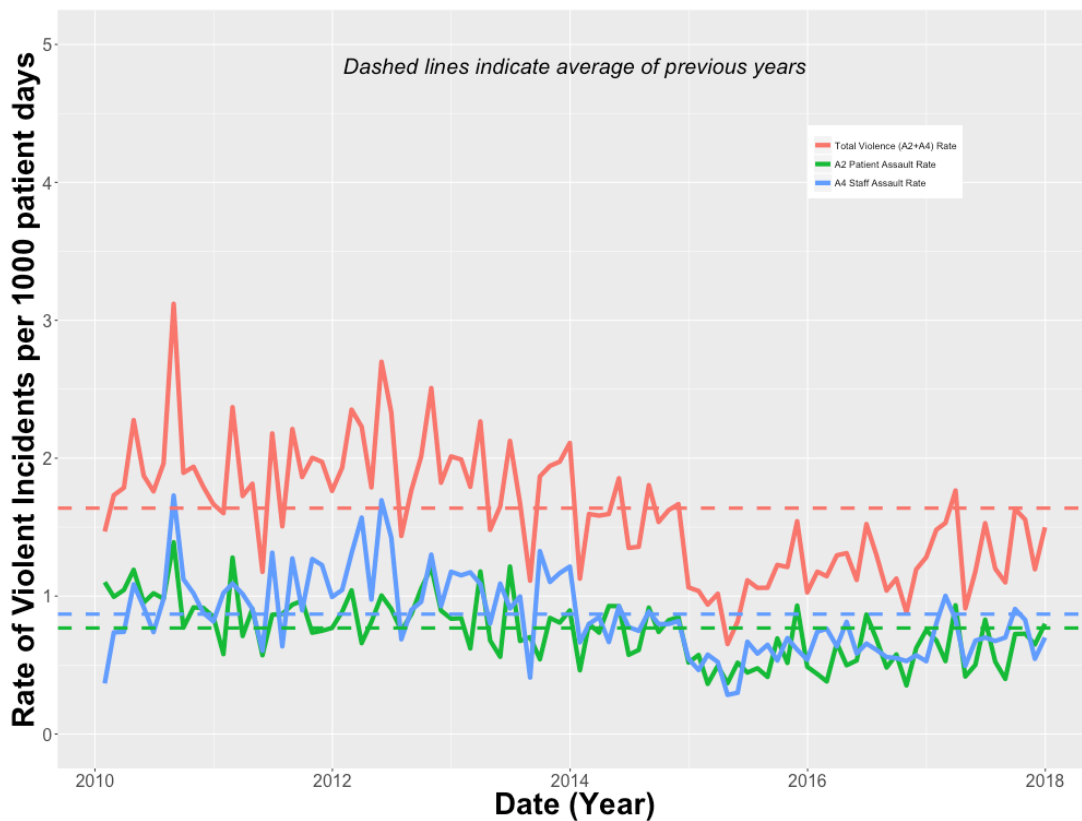
Trend of Monthly Rates

Figure III.37
DSH-Coalinga Trends of Monthly Rates of Violence per 1000 Patient Days
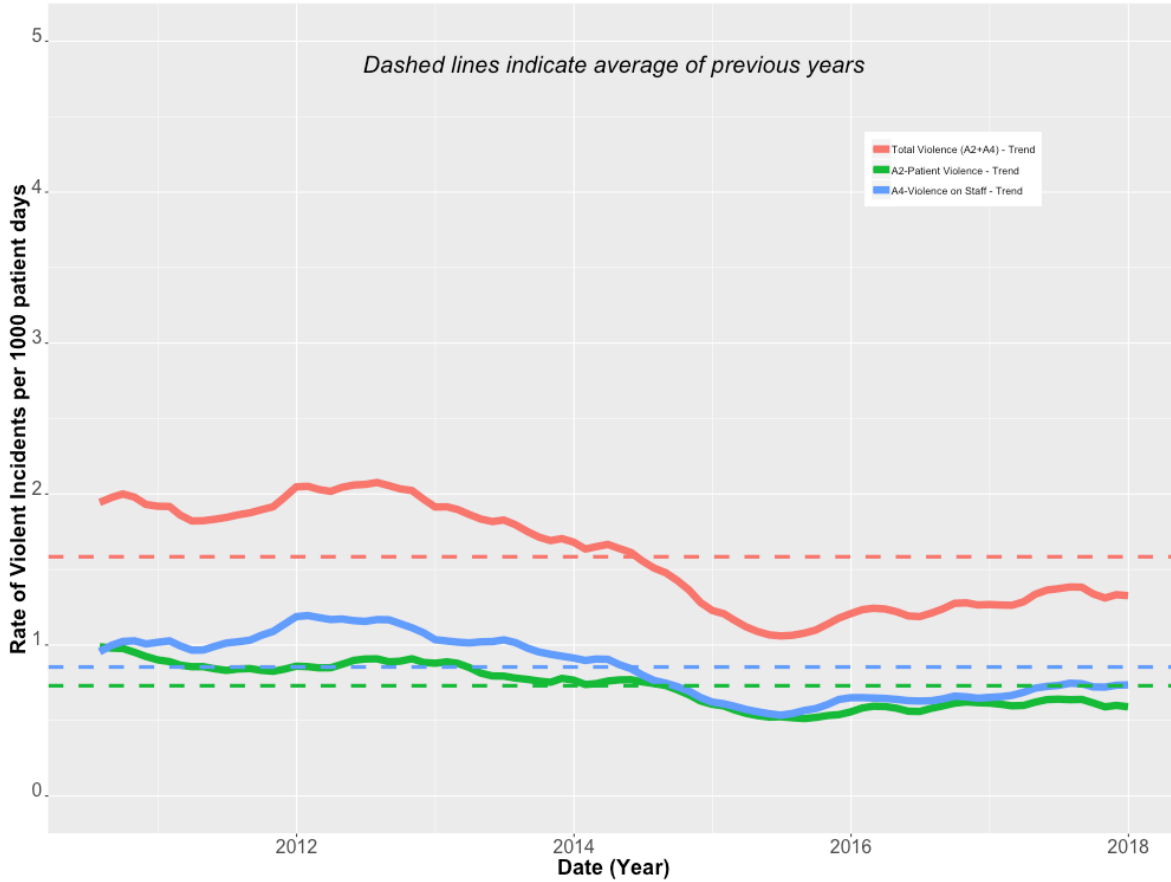
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

Figure III.37 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 (2010-2016) average rate for each category, for comparison with 2017.

Table III.32 provides a yearly summary of the year-over-year changes in the assault rates.

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 2017 to 2016, whether an increase or decrease was seen in violence (patient or staff) at DSH-Coalinga across legal classes.

Table III.31
Comparison of overall 2017 Violence Rates to 2016 Rates

LEGAL CLASS	PATIENT-ON-PATIENT VIOLENCE	PATIENT-ON-STAFF VIOLENCE
MDO	Decreased	Increased
PC2684	Increased	Increased
SVP	Increased	Increased

Note: Comparisons based on average of monthly rates for that year. See following tables for each legal class.

Table III.32
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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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
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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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
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	1.194
12/31/16	0.754	0.528	1.282
1/31/17	0.678	0.803	1.481
2/28/17	0.529	1.002	1.530
3/31/17	0.933	0.832	1.766
4/30/17	0.417	0.495	0.912
5/31/17	0.502	0.677	1.179
6/30/17	0.829	0.699	1.528
7/31/17	0.525	0.675	1.199
8/31/17	0.400	0.700	1.099
9/30/17	0.725	0.906	1.631
10/31/17	0.727	0.828	1.555
11/30/17	0.649	0.545	1.195
12/31/17	0.799	0.700	1.499

Violence Rates by Major Legal Classes

DSH-Coalinga MDO's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.38
Trends of Monthly Rates of Violence for MDO's at DSH-Coalinga
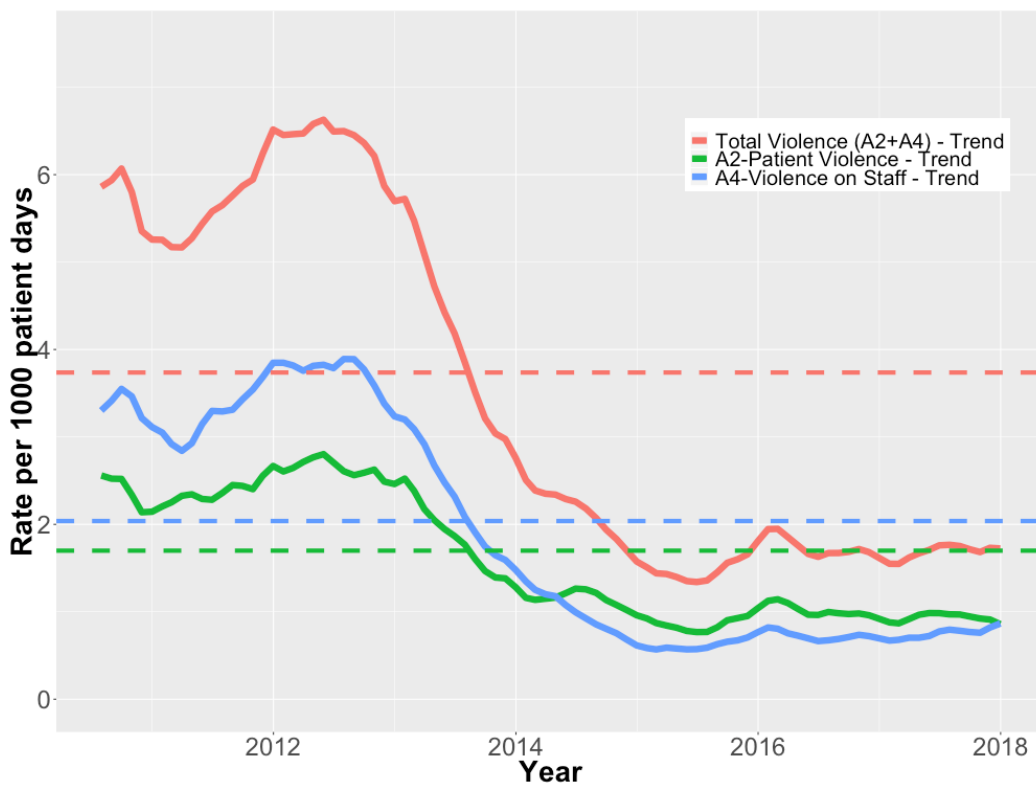
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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 III.39
Monthly Rates of Violence for MDO's at DSH-Coalinga

Table III.33
DSH-Coalinga MDO 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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
10/31/10	1.995	1.330	3.326
11/30/10	3.093	2.062	5.155
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	5.203	6.937
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
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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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	0.826	0.708	1.535
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	0.579	0.116	0.695
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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/17	0.818	1.169	1.987
2/28/17	0.908	1.038	1.947
3/31/17	1.301	1.183	2.484
4/30/17	0.726	0.605	1.330
5/31/17	0.920	0.460	1.380
6/30/17	1.407	0.821	2.228
7/31/17	0.909	0.568	1.477
8/31/17	0.801	0.687	1.488
9/30/17	1.421	0.829	2.250
10/31/17	0.571	0.457	1.027
11/30/17	0.829	0.829	1.659
12/31/17	1.011	1.011	2.022

DSH-Coalinga PC2684's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.40
Trends of Monthly Rates of Violence for PC2684's at DSH-Coalinga
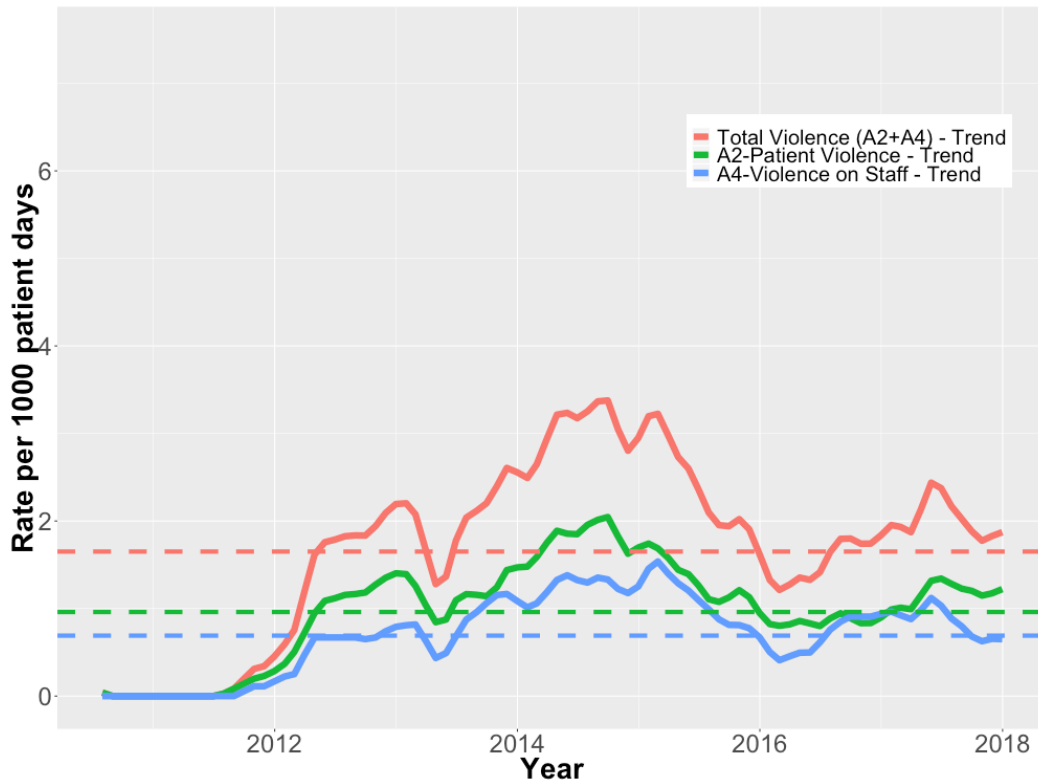
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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 III.41
Monthly Rates of Violence for PC2684's at DSH-Coalinga
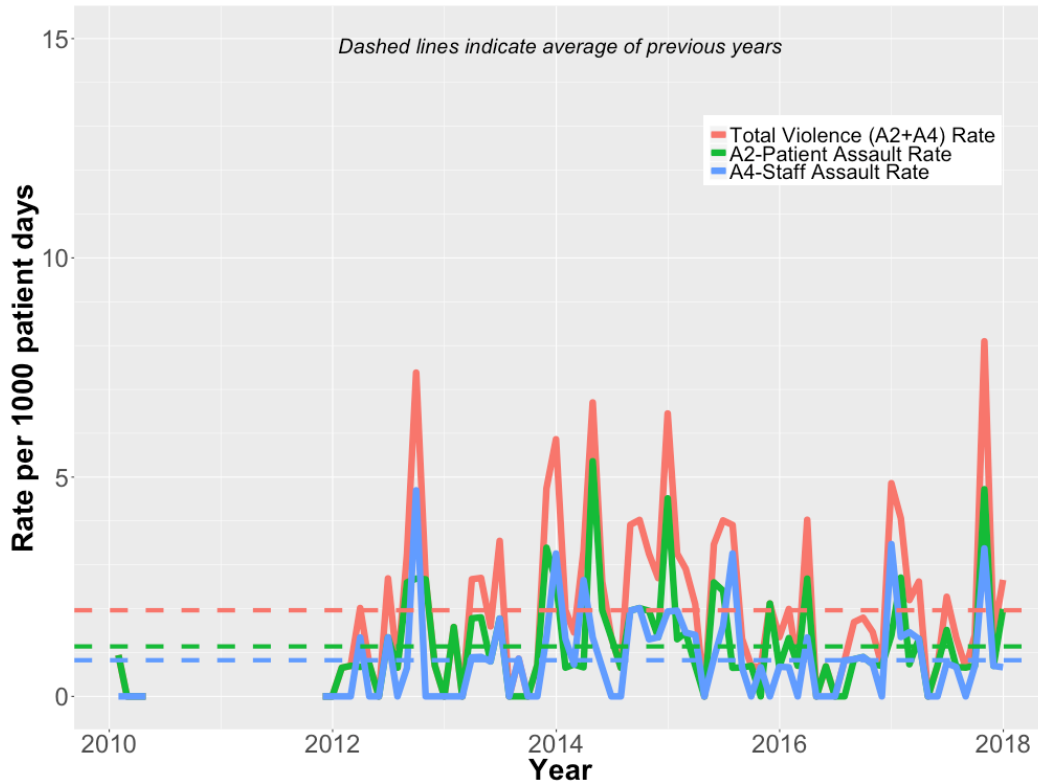
Table III.34
DSH-Coalinga PC2684 Monthly Rates of Violence

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	0.000	0.000	0.000
6/30/10	0.000	0.000	0.000
7/31/10	0.000	0.000	0.000
8/31/10	0.000	0.000	0.000

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
9/30/10	0.000	0.000	0.000
10/31/10	0.000	0.000	0.000
11/30/10	0.000	0.000	0.000
12/31/10	0.000	0.000	0.000
1/31/11	0.000	0.000	0.000
2/28/11	0.000	0.000	0.000
3/31/11	0.000	0.000	0.000
4/30/11	0.000	0.000	0.000
5/31/11	0.000	0.000	0.000
6/30/11	0.000	0.000	0.000
7/31/11	0.000	0.000	0.000
8/31/11	0.000	0.000	0.000
9/30/11	0.000	0.000	0.000
10/31/11	0.000	0.000	0.000
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
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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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
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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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

DSH-Coalinga SVP's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.42
Trends of Monthly Rates of Violence for SVP's at DSH-Coalinga
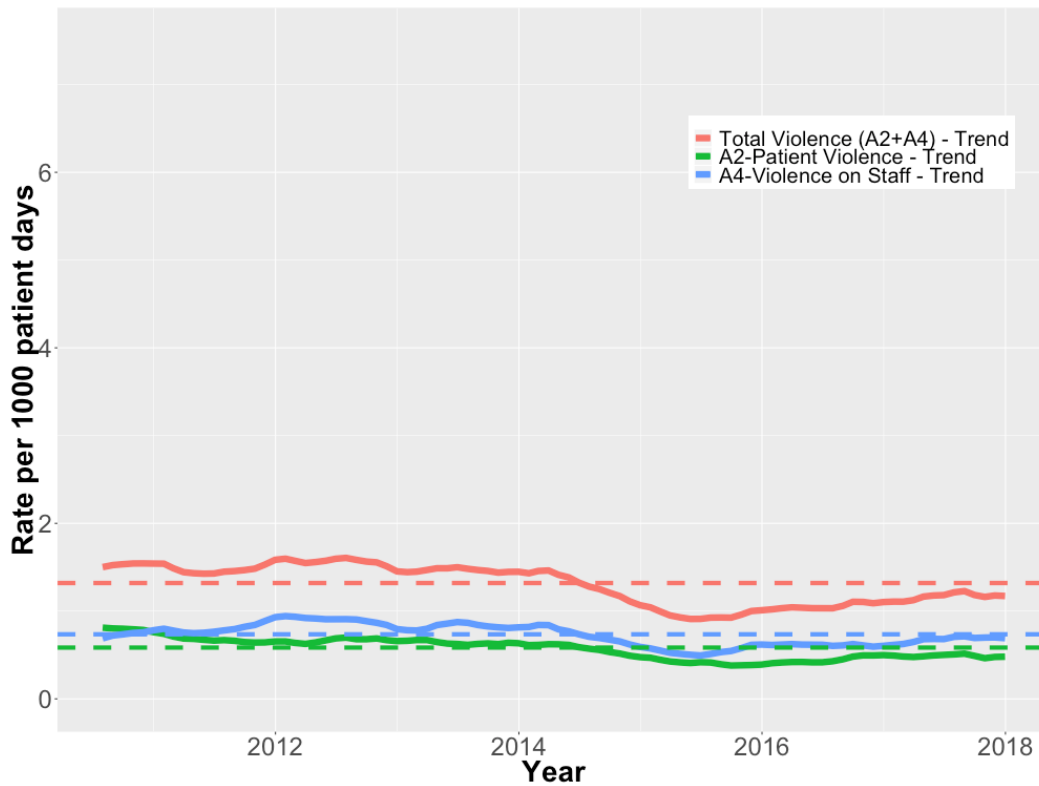
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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 III.43
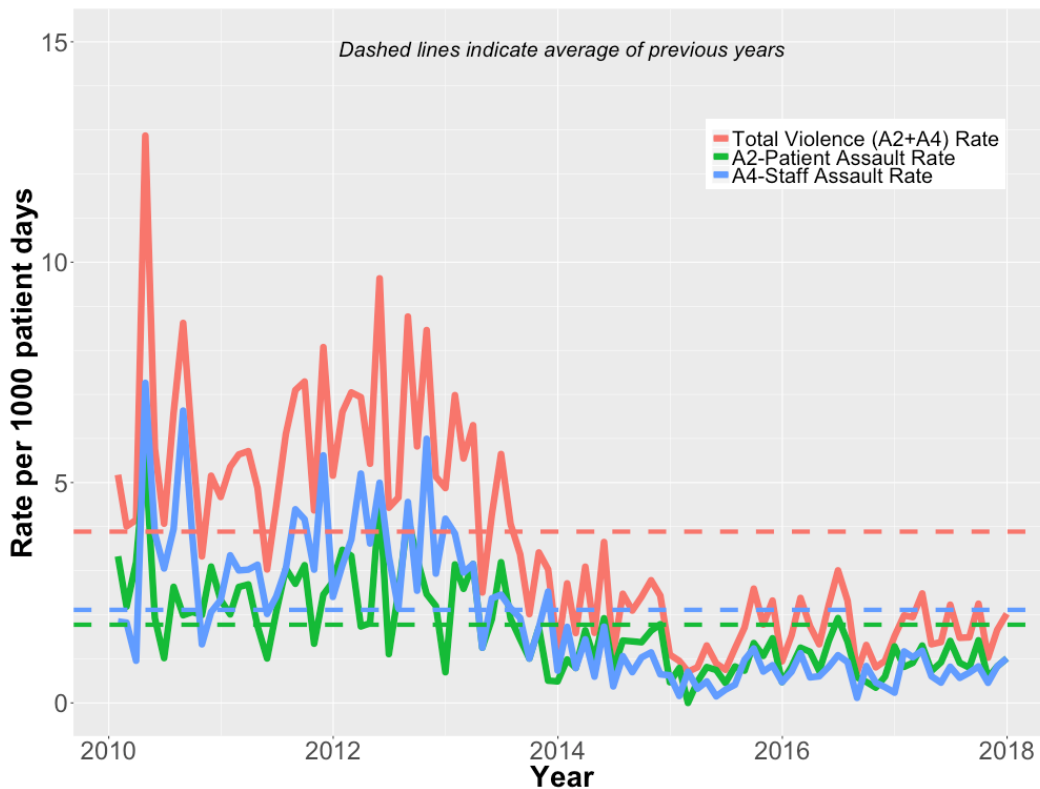**Monthly Rates of Violence for SVP's at DSH-Coalinga**
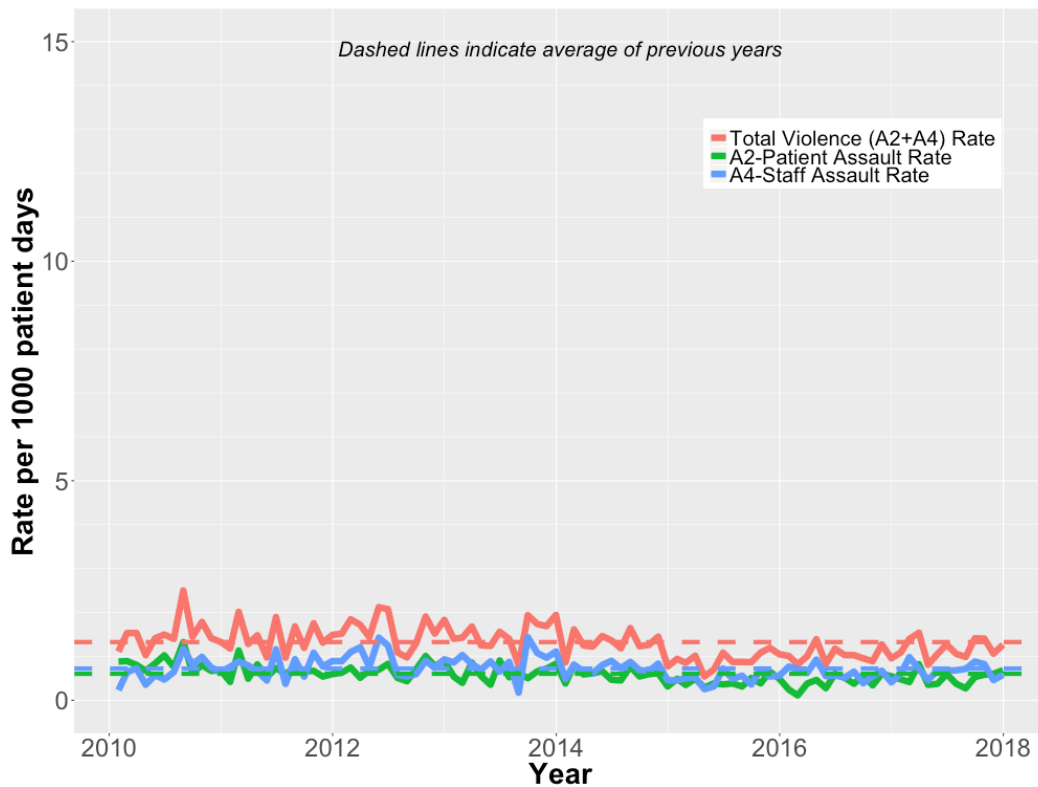
Table III.35
DSH-Coalinga SVP Monthly Rates of Violence

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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
10/31/10	0.797	0.987	1.784
11/30/10	0.668	0.746	1.414
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	1.207	1.719
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
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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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	0.244	0.766	1.009
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	0.377	0.651	1.027
9/30/16	0.566	0.389	0.955
10/31/16	0.342	0.547	0.889
11/30/16	0.600	0.671	1.271
12/31/16	0.546	0.409	0.955

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/17	0.477	0.613	1.090
2/28/17	0.415	0.981	1.396
3/31/17	0.820	0.718	1.538
4/30/17	0.352	0.458	0.810
5/31/17	0.375	0.681	1.056
6/30/17	0.599	0.670	1.269
7/31/17	0.375	0.682	1.057
8/31/17	0.272	0.715	0.988
9/30/17	0.529	0.882	1.411
10/31/17	0.582	0.821	1.403
11/30/17	0.602	0.460	1.062
12/31/17	0.685	0.582	1.266

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 2010-2017, 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., ISTs, NGRIs, MDOs, LPSs, and SVPs). When a given
legal class' numbers are less than 20 at a hospital (typically DJJ or MDSOs), 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 III.36
DSH-Metropolitan Monthly ADC, By Legal Commitment

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
1/31/10	13.77	283.51	217.93	38	0	118.03	0	0	671.24
2/28/10	14.68	280.54	216.75	38	0	118.64	0	0	668.61
3/31/10	14.61	283.29	222.51	38.42	0	116.03	0	0	674.86
4/30/10	16.2	281.77	221.67	39	0	115.37	0	0	674.01
5/31/10	14.65	280.84	207.65	39	0	115.77	0	0	657.91
6/30/10	11.33	275.34	198.86	38.53	0	115.43	0	0	639.49
7/31/10	14.32	276.49	195.62	38.87	0	116.55	0	0	641.85
8/31/10	11	274.65	196.16	38.29	0	117.42	0	0	637.52
9/30/10	7.67	268.03	198.33	37.53	0	117.3	0	0	628.86
10/31/10	8.58	263.16	195.94	34.58	0	115.35	0	0	617.61
11/30/10	9.1	275.03	192.13	32.33	0	114.6	0	0	623.19
12/31/10	10	276.2	185.94	32	0	113.58	0	0	617.72
1/31/11	8.39	276.55	184.91	32.32	0	110.87	0	0	613.04
2/28/11	8.96	268.57	186.85	33.54	0	111.89	0	0	609.81
3/31/11	8	264.09	197.22	34	0	112.94	0	0	616.25
4/30/11	7.53	260.73	204.57	34	0	112.87	0	0	619.7
5/31/11	8.19	246	206.87	33.71	0	113.55	0	0	608.32
6/30/11	8.67	253.3	208.04	35.33	0	110.3	0	0	615.64
7/31/11	7	252.48	208.58	38	0	106.42	0	0	612.48
8/31/11	6.94	256.29	206.93	38.65	0	107.32	0	0	616.13
9/30/11	3.87	268.37	209.37	40.97	0	110.97	0	0	633.55
10/31/11	0	270.97	209.04	40	0	112.1	0	0	632.11
11/30/11	0	271.16	208.33	38.33	0	112.37	0	0	630.19
12/31/11	0	276.19	207.94	38	0	111.65	0	0	633.78
1/31/12	0	280.9	209.61	39.23	0	109.71	0	0	639.45
2/29/12	0	280.79	206.41	40.03	0	109.55	0	0	636.78
3/31/12	0	282.03	204.26	40.29	0	109.19	0	0	635.77
4/30/12	0	274.33	206.87	40.63	0	108.37	0	0	630.2
5/31/12	0	279.65	207.94	39.45	0	106.68	0	0	633.72
6/30/12	0	278.64	213.33	40.43	0	106.3	0	0	638.7
7/31/12	0	275	220.42	41.68	0	110.45	0	0	647.55
8/31/12	0	274.13	223.31	42	0	111.61	0	0	651.05
9/30/12	0	270.67	220.63	42	0	108.83	0	0	642.13
10/31/12	0	278.55	222.25	42	0	104.94	0	0	647.74
11/30/12	0	287.66	218	42	0	101.53	0	0	649.19

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
12/31/12	0	290.16	218.62	42	0	99.81	0	0	650.59
1/31/13	0	293.74	220.48	41.32	0	99.23	0	0	654.77
2/28/13	0	287.54	218.18	41.57	0	99.54	0	0	646.83
3/31/13	0	287.12	214.56	41.68	0	102.48	0	0	645.84
4/30/13	0	285.37	207.36	41.4	0	106.57	0	0	640.7
5/31/13	0	289.16	198.97	41.48	0	108.71	0	0	638.32
6/30/13	0	286.2	202.34	41	0	107.17	0	0	636.71
7/31/13	0	289.87	210.94	40.74	0	104.45	0	0	646
8/31/13	0	305.45	218.16	39.9	0	101.45	0	0	664.96
9/30/13	0	303.63	217.8	39.3	0	100.03	0	0	660.76
10/31/13	0	299.93	228.78	38.84	0	99.81	0	0	667.36
11/30/13	0	308.87	232.8	39	0	99.1	0	0	679.77
12/31/13	0	310.42	224.61	39	0	99.65	0	0	673.68
1/31/14	0	307.23	236.07	38.16	0	99.87	0	0	681.33
2/28/14	0	316.68	245.36	38	0	99.68	0	0	699.72
3/31/14	0	304.94	251.74	38	0	100.9	0	0	695.58
4/30/14	0	286.5	256.3	38	0	102	0	0	682.8
5/31/14	0	283.62	261.36	38.61	0	101.77	0	0	685.36
6/30/14	0	289.73	264.67	38.87	0	102.47	0	0	695.74
7/31/14	0	309.1	268.61	38.65	0	103.1	0	0	719.46
8/31/14	0	311.16	275.26	37.19	0	104.68	0	0	728.29
9/30/14	0	301.24	281.53	37.6	0	105.77	0	0	726.14
10/31/14	0	299.73	280.8	38	0	105.68	0	0	724.21
11/30/14	0	295.84	285	39.34	0	107	0	0	727.18
12/31/14	0	295.46	282.13	40	0	106.29	0	0	723.88
1/31/15	0	298.74	283.68	40	0	103.94	0	0	726.36
2/28/15	0	304.53	283.04	41.5	0.36	101.86	0	0	731.29
3/31/15	0.9	300.74	282.52	42	1	102.03	0	0	729.19
4/30/15	1	298.86	283.73	40.57	1	102.53	0	0	727.69
5/31/15	1	294.16	282.2	40	1	99.97	0	0	718.33
6/30/15	1	297.46	284.86	40.27	1	98.43	0	0	723.02
7/31/15	1	299.46	278.36	40	1	100.13	0	0	719.95
8/31/15	0.77	306.1	280.59	40	1	99.45	0	0	727.91
9/30/15	0	300.49	295.94	39.43	1	99.3	0	0	736.16
10/31/15	0	301.75	297.74	39	1	102.74	0	0	742.23
11/30/15	0	301.3	306.49	39.93	1	103.6	0	0	752.32
12/31/15	0	286.35	309.71	40	1	103.19	0	0	740.25
1/31/16	0	283.51	312.46	39	1	103.65	0	0	739.62

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
2/29/16	0	288.8	314.77	39	1	107	0	0	750.57
3/31/16	0	281.55	310.02	37.32	1	109	0	0	738.89
4/30/16	0	282.7	305.63	36.47	1	108.47	0	0	734.27
5/31/16	0	299.77	312.09	35.1	0.35	106.06	0	0	753.37
6/30/16	0	300.43	318.47	34.3	0	103.63	0	0	756.83
7/31/16	0	294	318.49	36	0	102.52	0	0	751.01
8/31/16	0	292.45	316.1	36.52	0	102.71	0	0	747.78
9/30/16	0	293.47	310.4	37	0	103.87	0	0	744.74
10/31/16	0	290.03	308.17	37	0	105.68	0	0	740.88
11/30/16	0	294	324.86	37	0	105.23	0	0	761.09
12/31/16	0	292.13	335.01	36.65	0	105.39	0	0	769.18
1/31/17	0	288.87	344.36	36	0	105.87	0	0	775.1
2/28/17	0	283.68	352.5	36.14	0	104.57	0	0	776.89
3/31/17	0	298.39	351.36	35	0	105.58	0	0	790.33
4/30/17	0	309.2	350.63	35.67	0	104.63	0	0	800.13
5/31/17	0	304.06	349.65	36.91	0	102.74	0	0	793.36
6/30/17	0	308.11	344.87	35.83	0	100.5	0	0	789.31
7/31/17	0	313.9	354.39	34.65	0	99.13	0	0	802.07
8/31/17	0	320.13	351.77	34	0	97.13	0	0	803.03
9/30/17	0	315.16	350.16	33.7	0	96.3	0	0	795.32
10/31/17	0	313.51	353.48	33	0	96.9	0	0	796.89
11/30/17	0	325.3	356.17	33.13	0	101.03	0	0	815.63
12/31/17	0	319.9	354.23	33.71	0	104.03	0	0	811.87

As can be seen, there were no DJJ, MDSO, PC2684, or SVP patients at DSH-Metropolitan during this time. Additionally, the numbers of MDSOs 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 III.44
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Metropolitan
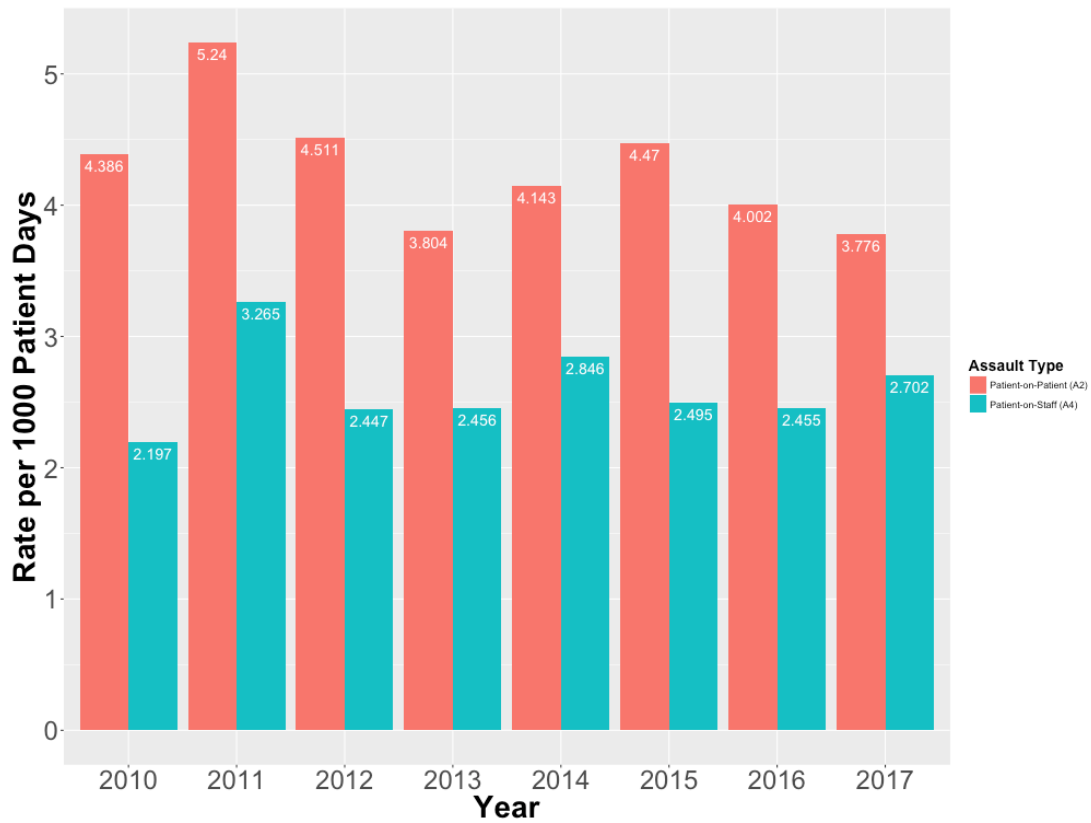
Table III.37
DSH-Metropolitan Yearly A2 Patient-on-patient assault Summary

YEAR	A2 PATIENT-ON-PATIENT ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	1034	235768	4.386	NA
2011	1186	226342	5.24	19.5
2012	1060	234956	4.511	-13.9
2013	909	238968	3.804	-15.7
2014	1070	258248	4.143	8.9
2015	1193	266883	4.47	7.9
2016	1097	274136	4.002	-10.5
2017	1097	290517	3.776	-5.6

Table III.38
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	235768	2.197	NA
2011	739	226342	3.265	48.6
2012	575	234956	2.447	-25.1
2013	587	238968	2.456	0.4
2014	735	258248	2.846	15.9
2015	666	266883	2.495	-12.3
2016	673	274136	2.455	-1.6
2017	785	290517	2.702	10.1

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

Figure III.45
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Metropolitan
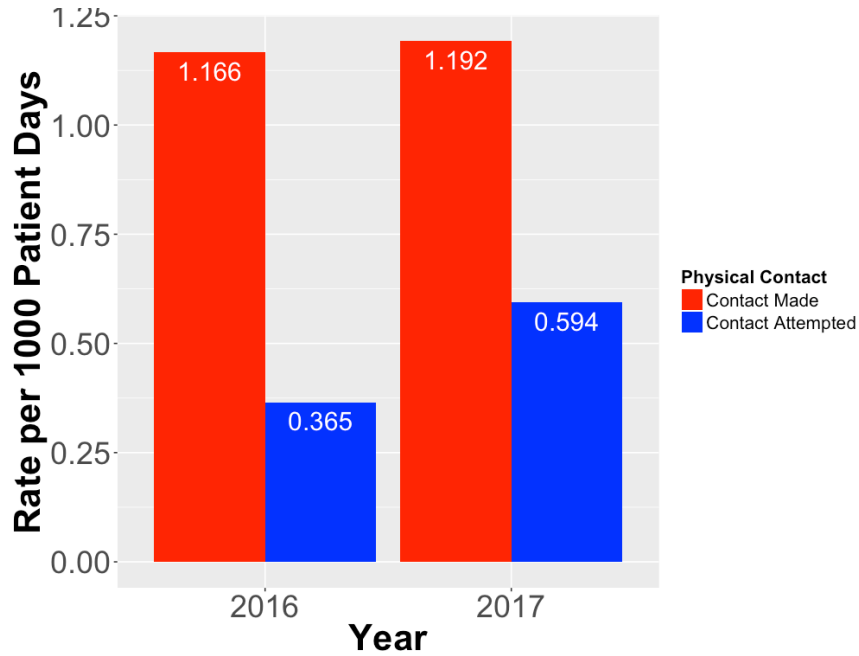
Table III.39
DSH – Metropolitan Staff Assaults – Physical Contact Made and Contact Attempted

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

Monthly Rates

The previous barplot showing the violence rates as an overall yearly average does not show the monthly variability in the rates that occurs regularly. Two figures are shown, the first being a plot of the violence rates on a monthly basis, and the second 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).

Figure III.46
DSH-Metropolitan Monthly Rates of Violence per 1000 Patient Days
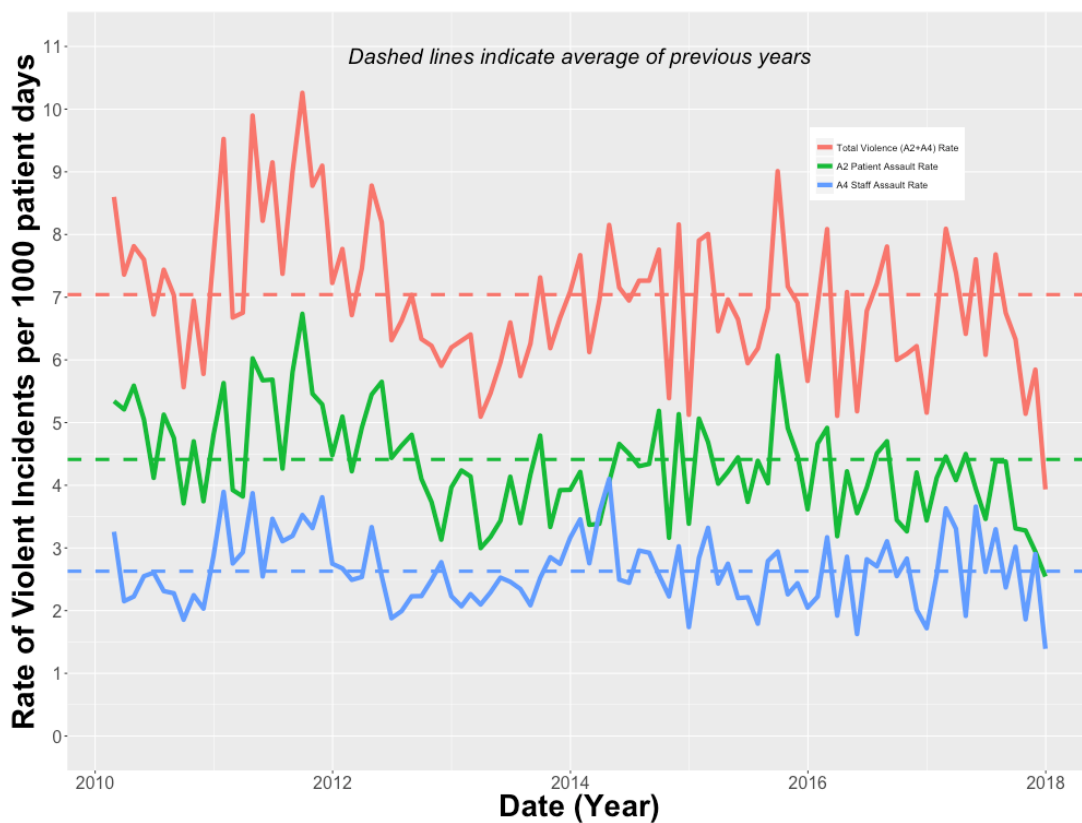
Trend of Monthly Rates

Figure III.47
DSH-Metropolitan Trends of Monthly Rates of Violence per 1000 Patient Days
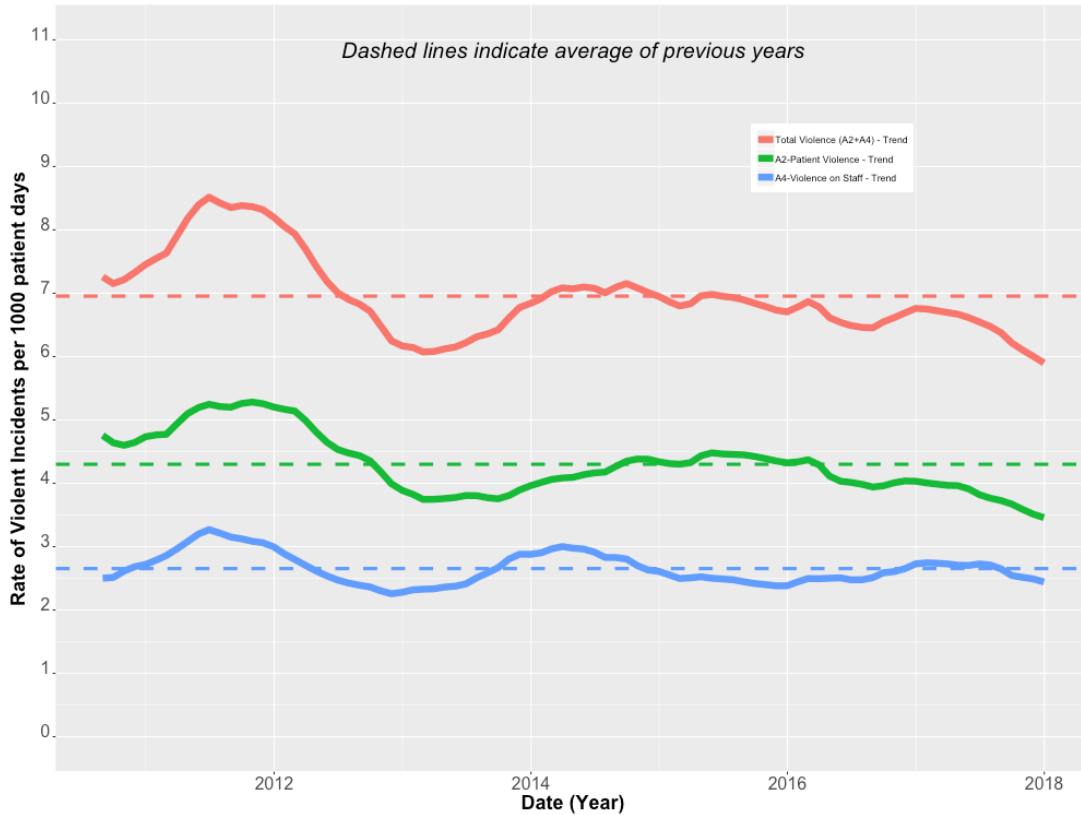
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

Figure III.47 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 (2010-2016) average rate for each category, for comparison with 2017.

Table III.41 provides a yearly summary of the year-over-year changes in the assault rates.

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 2017 to 2016, whether an increase or decrease was seen in violence (patient or staff) at DSH-Metropolitan across legal classes.

Table III.40
Comparison of overall 2017 Violence Rates to 2016 Rates

LEGAL CLASS	PATIENT-ON-PATIENT VIOLENCE	PATIENT-ON-STAFF VIOLENCE
IST	Decreased	Increased
LPS	Decreased	Increased
MDO	Increased	Decreased
NGRI	Increased	Increased

Note: Comparisons based on average of monthly rates for that year. See following for each legal class

Table III.41
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	5.342	3.258	8.600
3/31/10	5.210	2.151	7.361
4/30/10	5.589	2.226	7.814
5/31/10	5.050	2.550	7.600
6/30/10	4.118	2.606	6.724
7/31/10	5.126	2.312	7.438
8/31/10	4.756	2.277	7.033
9/30/10	3.710	1.855	5.566
10/31/10	4.701	2.246	6.947
11/30/10	3.744	2.033	5.777
12/31/10	4.804	2.872	7.677
1/31/11	5.630	3.894	9.524
2/28/11	3.924	2.753	6.676
3/31/11	3.821	2.931	6.753
4/30/11	6.024	3.873	9.897
5/31/11	5.674	2.545	8.219
6/30/11	5.685	3.465	9.150
7/31/11	4.266	3.107	7.373
8/31/11	5.812	3.194	9.005
9/30/11	6.735	3.525	10.260
10/31/11	5.461	3.317	8.778
11/30/11	5.289	3.808	9.098
12/31/11	4.479	2.749	7.228
1/31/12	5.095	2.674	7.769
2/29/12	4.224	2.491	6.715
3/31/12	4.922	2.537	7.459
4/30/12	5.448	3.332	8.780
5/31/12	5.650	2.545	8.195
6/30/12	4.436	1.879	6.315
7/31/12	4.633	1.993	6.625
8/31/12	4.806	2.230	7.036
9/30/12	4.101	2.232	6.333
10/31/12	3.735	2.490	6.225
11/30/12	3.132	2.773	5.905

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
12/31/12	3.967	2.231	6.198
1/31/13	4.237	2.069	6.306
2/28/13	4.141	2.264	6.405
3/31/13	2.997	2.098	5.095
4/30/13	3.174	2.289	5.463
5/31/13	3.436	2.527	5.963
6/30/13	4.136	2.461	6.597
7/31/13	3.396	2.347	5.743
8/31/13	4.172	2.086	6.258
9/30/13	4.792	2.522	7.315
10/31/13	3.335	2.852	6.187
11/30/13	3.923	2.746	6.669
12/31/13	3.926	3.160	7.087
1/31/14	4.214	3.456	7.670
2/28/14	3.369	2.756	6.125
3/31/14	3.385	3.571	6.956
4/30/14	4.052	4.101	8.153
5/31/14	4.660	2.495	7.154
6/30/14	4.504	2.443	6.947
7/31/14	4.304	2.959	7.264
8/31/14	4.341	2.923	7.264
9/30/14	5.187	2.571	7.758
10/31/14	3.162	2.227	5.390
11/30/14	5.134	3.025	8.160
12/31/14	3.387	1.738	5.125
1/31/15	5.063	2.842	7.905
2/28/15	4.688	3.321	8.009
3/31/15	4.026	2.433	6.459
4/30/15	4.214	2.748	6.963
5/31/15	4.446	2.200	6.646
6/30/15	3.734	2.213	5.947
7/31/15	4.391	1.792	6.183
8/31/15	4.033	2.792	6.825
9/30/15	6.067	2.943	9.011
10/31/15	4.911	2.260	7.171
11/30/15	4.475	2.437	6.912
12/31/15	3.617	2.048	5.665

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/16	4.667	2.224	6.891
2/29/16	4.916	3.170	8.086
3/31/16	3.187	1.921	5.108
4/30/16	4.222	2.860	7.082
5/31/16	3.554	1.627	5.181
6/30/16	3.964	2.819	6.783
7/31/16	4.510	2.706	7.216
8/31/16	4.702	3.106	7.808
9/30/16	3.446	2.551	5.998
10/31/16	3.266	2.830	6.096
11/30/16	4.204	2.015	6.219
12/31/16	3.439	1.720	5.159
1/31/17	4.120	2.580	6.701
2/28/17	4.459	3.632	8.091
3/31/17	4.082	3.306	7.388
4/30/17	4.499	1.916	6.416
5/31/17	3.944	3.659	7.603
6/30/17	3.463	2.618	6.081
7/31/17	4.384	3.298	7.682
8/31/17	4.379	2.370	6.749
9/30/17	3.311	3.018	6.329
10/31/17	3.279	1.862	5.141
11/30/17	2.942	2.902	5.844
12/31/17	2.543	1.391	3.934

	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE

Violence Rates by Major Legal Classes

DSH-Metropolitan IST's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.48
Trends of Monthly Rates of Violence for IST's at DSH-Metropolitan
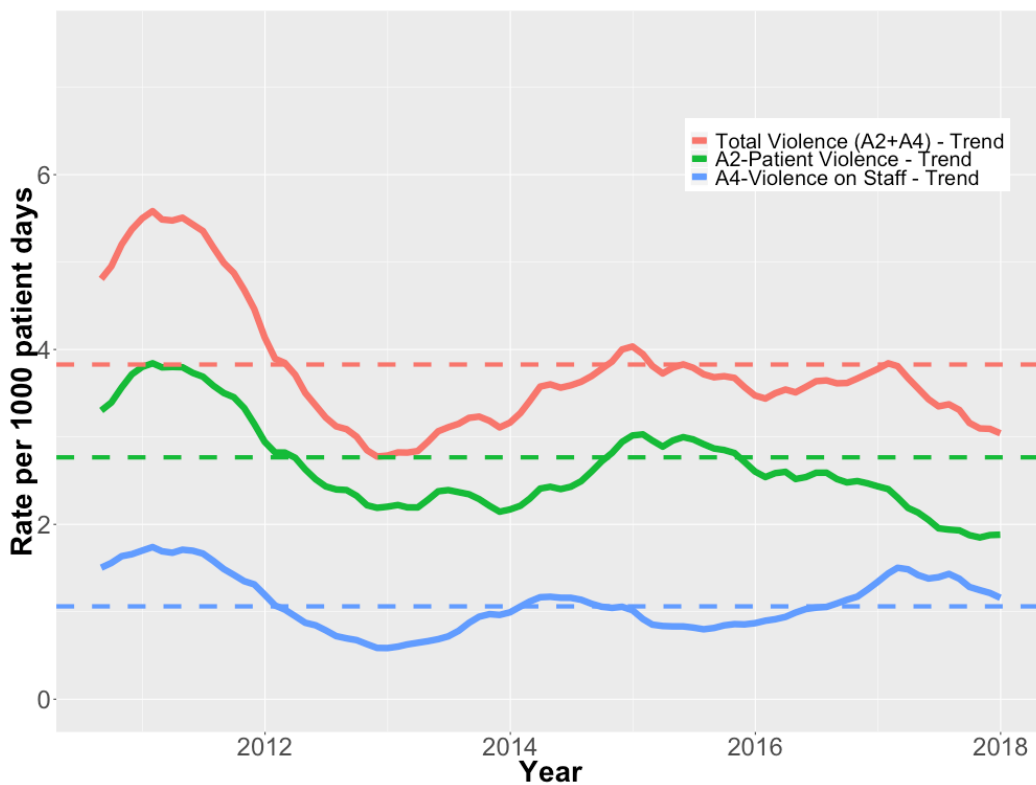
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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 III.49
Monthly Rates of Violence for IST's at DSH-Metropolitan
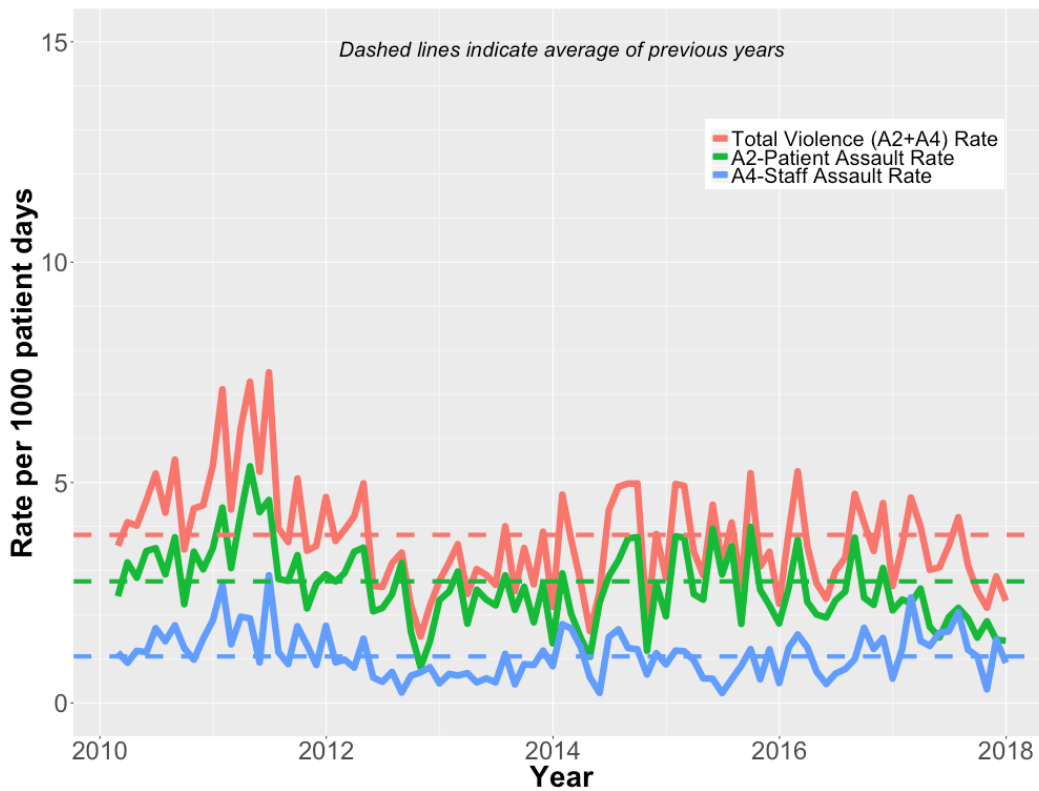
Table III.42
DSH-Metropolitan IST Monthly Rates of Violence

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/10	2.419	1.146	3.565
3/31/10	3.188	0.911	4.099
4/30/10	2.839	1.183	4.022
5/31/10	3.446	1.149	4.595
6/30/10	3.511	1.695	5.206
7/31/10	2.917	1.400	4.317
8/31/10	3.759	1.762	5.520
9/30/10	2.239	1.244	3.482
10/31/10	3.432	0.981	4.413
11/30/10	3.030	1.454	4.484
12/31/10	3.504	1.869	5.373
1/31/11	4.433	2.683	7.115
2/28/11	3.059	1.330	4.388
3/31/11	4.275	1.954	6.229
4/30/11	5.369	1.918	7.287
5/31/11	4.327	0.918	5.245
6/30/11	4.606	2.895	7.501
7/31/11	2.811	1.150	3.961
8/31/11	2.769	0.881	3.650
9/30/11	3.354	1.739	5.093
10/31/11	2.143	1.310	3.452
11/30/11	2.704	0.860	3.565
12/31/11	2.920	1.752	4.672
1/31/12	2.756	0.919	3.675
2/29/12	2.947	0.982	3.930
3/31/12	3.431	0.801	4.232
4/30/12	3.524	1.458	4.982
5/31/12	2.076	0.577	2.653
6/30/12	2.153	0.479	2.632
7/31/12	2.463	0.704	3.167
8/31/12	3.177	0.235	3.413
9/30/12	1.601	0.616	2.217
10/31/12	0.811	0.695	1.506
11/30/12	1.390	0.811	2.202

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
12/31/12	2.335	0.445	2.779
1/31/13	2.526	0.659	3.185
2/28/13	2.981	0.621	3.602
3/31/13	1.798	0.674	2.472
4/30/13	2.570	0.467	3.037
5/31/13	2.343	0.558	2.900
6/30/13	2.213	0.466	2.679
7/31/13	2.893	1.113	4.006
8/31/13	2.112	0.422	2.535
9/30/13	2.635	0.878	3.513
10/31/13	1.828	0.860	2.689
11/30/13	2.698	1.187	3.885
12/31/13	1.351	0.831	2.182
1/31/14	2.940	1.785	4.725
2/28/14	2.030	1.692	3.722
3/31/14	1.481	1.269	2.750
4/30/14	1.047	0.582	1.629
5/31/14	2.275	0.227	2.502
6/30/14	2.876	1.496	4.372
7/31/14	3.235	1.670	4.905
8/31/14	3.732	1.244	4.976
9/30/14	3.762	1.217	4.980
10/31/14	1.184	0.646	1.830
11/30/14	2.704	1.127	3.831
12/31/14	1.965	0.873	2.839
1/31/15	3.779	1.188	4.967
2/28/15	3.753	1.173	4.926
3/31/15	2.467	0.965	3.432
4/30/15	2.342	0.558	2.900
5/31/15	3.948	0.548	4.496
6/30/15	2.913	0.224	3.138
7/31/15	3.555	0.539	4.094
8/31/15	1.792	0.843	2.635
9/30/15	3.993	1.220	5.214
10/31/15	2.566	0.535	3.100
11/30/15	2.213	1.217	3.430
12/31/15	1.802	0.451	2.253
1/31/16	2.617	1.252	3.868

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/29/16	3.701	1.552	5.254
3/31/16	2.291	1.260	3.552
4/30/16	2.004	0.707	2.712
5/31/16	1.937	0.430	2.367
6/30/16	2.330	0.666	2.996
7/31/16	2.524	0.768	3.292
8/31/16	3.750	0.993	4.743
9/30/16	2.385	1.704	4.089
10/31/16	2.224	1.223	3.448
11/30/16	3.061	1.474	4.535
12/31/16	2.098	0.552	2.650
1/31/17	2.345	1.228	3.573
2/28/17	2.266	2.392	4.658
3/31/17	2.595	1.405	4.000
4/30/17	1.725	1.294	3.019
5/31/17	1.485	1.591	3.077
6/30/17	1.947	1.623	3.570
7/31/17	2.158	2.055	4.213
8/31/17	1.915	1.209	3.124
9/30/17	1.481	1.058	2.538
10/31/17	1.852	0.309	2.161
11/30/17	1.435	1.435	2.869
12/31/17	1.412	0.908	2.319

DSH-Metropolitan LPS's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.50
Trends of Monthly Rates of Violence for LPS's at DSH-Metropolitan
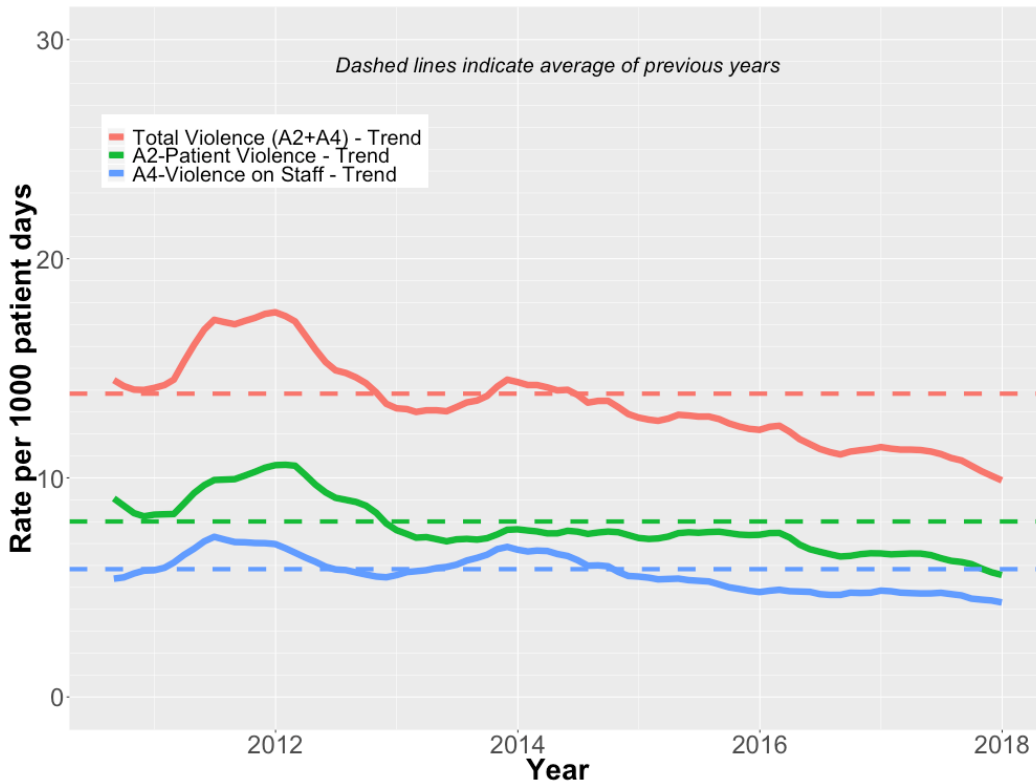
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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 III.51
Monthly Rates of Violence for LPS's at DSH-Metropolitan

Table III.43
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	9.227	6.097	15.324
3/31/10	10.728	4.929	15.657
4/30/10	12.180	5.113	17.293
5/31/10	10.564	6.214	16.778
6/30/10	7.375	5.867	13.242
7/31/10	10.719	4.947	15.666
8/31/10	8.551	4.276	12.827
9/30/10	6.891	3.361	10.252
10/31/10	9.220	5.433	14.653
11/30/10	6.246	3.817	10.062
12/31/10	8.501	6.072	14.573
1/31/11	9.421	8.374	17.795
2/28/11	7.454	6.690	14.144
3/31/11	4.580	5.725	10.304
4/30/11	10.103	8.636	18.739
5/31/11	9.200	5.770	14.970
6/30/11	10.575	6.730	17.305
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	12.000	9.760	21.760
12/31/11	8.377	5.119	13.497
1/31/12	10.003	6.310	16.313
2/29/12	7.350	6.014	13.365
3/31/12	8.528	6.159	14.687
4/30/12	10.313	7.412	17.725
5/31/12	13.497	6.826	20.323
6/30/12	9.063	4.688	13.750
7/31/12	9.805	4.244	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	6.575	5.963	12.538
12/31/12	7.821	5.902	13.723

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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
5/31/13	6.485	6.971	13.457
6/30/13	8.731	6.919	15.651
7/31/13	5.964	5.353	11.317
8/31/13	8.576	5.619	14.195
9/30/13	8.877	6.275	15.152
10/31/13	5.922	6.909	12.831
11/30/13	7.302	6.300	13.603
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	5.644	12.249
8/31/14	6.914	6.328	13.243
9/30/14	8.406	5.091	13.498
10/31/14	6.433	4.825	11.258
11/30/14	9.591	6.199	15.789
12/31/14	5.946	3.544	9.490
1/31/15	8.301	5.686	13.987
2/28/15	7.445	7.319	14.763
3/31/15	6.965	5.024	11.989
4/30/15	7.401	6.344	13.745
5/31/15	6.859	5.030	11.888
6/30/15	5.617	5.149	10.765
7/31/15	6.722	3.940	10.662
8/31/15	7.358	6.208	13.566
9/30/15	10.025	5.632	15.657
10/31/15	8.559	4.659	13.218
11/30/15	8.374	4.676	13.051
12/31/15	6.666	4.375	11.041
1/31/16	8.363	4.130	12.492

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/29/16	7.778	5.697	13.475
3/31/16	5.098	3.434	8.532
4/30/16	7.634	6.108	13.742
5/31/16	6.098	3.307	9.406
6/30/16	6.699	5.443	12.142
7/31/16	7.495	5.166	12.661
8/31/16	6.735	5.919	12.654
9/30/16	5.584	4.403	9.987
10/31/16	5.234	5.548	10.782
11/30/16	6.669	3.386	10.055
12/31/16	5.585	3.178	8.763
1/31/17	6.745	4.496	11.241
2/28/17	6.890	5.370	12.259
3/31/17	6.702	6.151	12.853
4/30/17	7.890	3.042	10.933
5/31/17	6.827	6.643	13.470
6/30/17	5.799	4.446	10.246
7/31/17	7.373	5.461	12.835
8/31/17	7.336	4.127	11.463
9/30/17	5.521	5.712	11.233
10/31/17	5.293	3.924	9.217
11/30/17	5.054	5.147	10.201
12/31/17	3.916	2.186	6.101

DSH-Metropolitan MDO's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.52
Trends of Monthly Rates of Violence for MDO's at DSH-Metropolitan
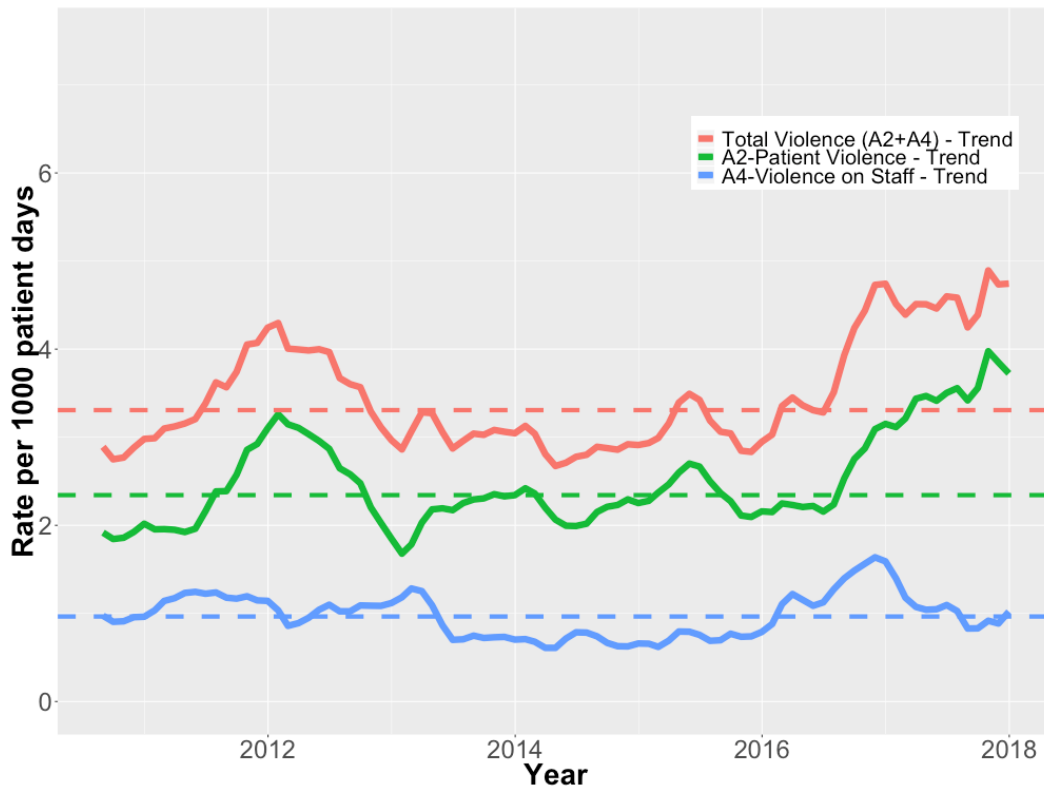
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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 III.53
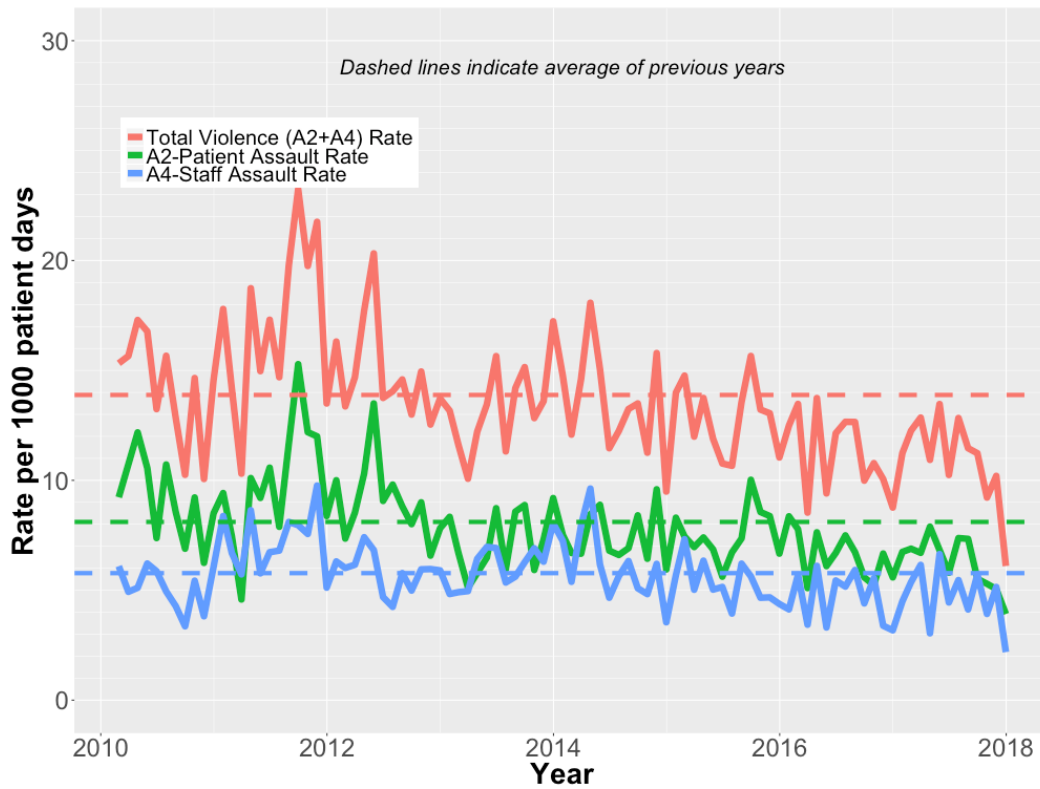**Monthly Rates of Violence for MDO's at DSH-Metropolitan**

Table III.44
DSH-Metropolitan MDO 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	1.660	5.809
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	1.996	4.990
2/28/11	1.065	1.065	2.130
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	0.820	4.922
5/31/12	3.271	0.000	3.271
6/30/12	5.771	0.824	6.595
7/31/12	1.548	0.000	1.548
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	3.175	5.556

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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
5/31/13	2.333	0.778	3.110
6/30/13	2.439	0.813	3.252
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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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	0.872	5.231
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	7.905	2.964	10.870
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	4.946	0.989	5.935
10/31/17	1.955	0.000	1.955
11/30/17	2.012	1.006	3.018
12/31/17	1.914	1.914	3.828

DSH-Metropolitan NGRI's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.54
Trends of Monthly Rates of Violence for NGRI's at DSH-Metropolitan
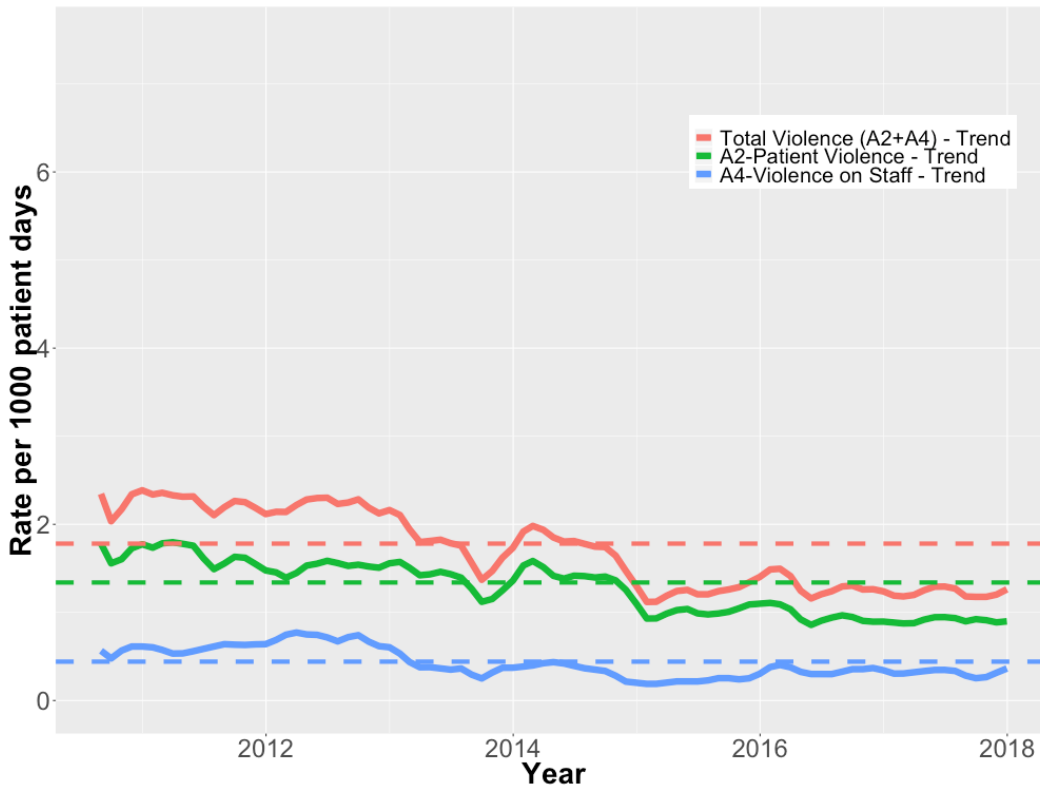
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31ˢᵗ, 2017) this graph was constructed using data through June 30ᵗʰ, 2018. For further information, see the appendix Further Details of Methodology

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 III.55
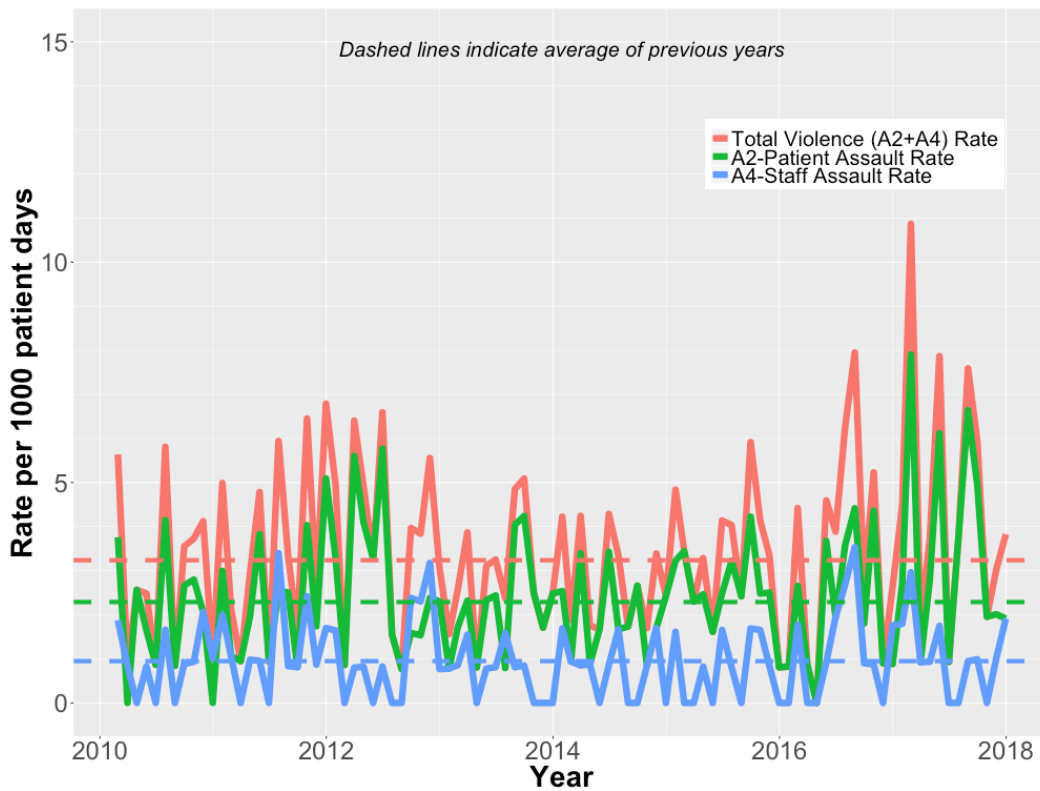**Monthly Rates of Violence for NGRI's at DSH-Metropolitan**
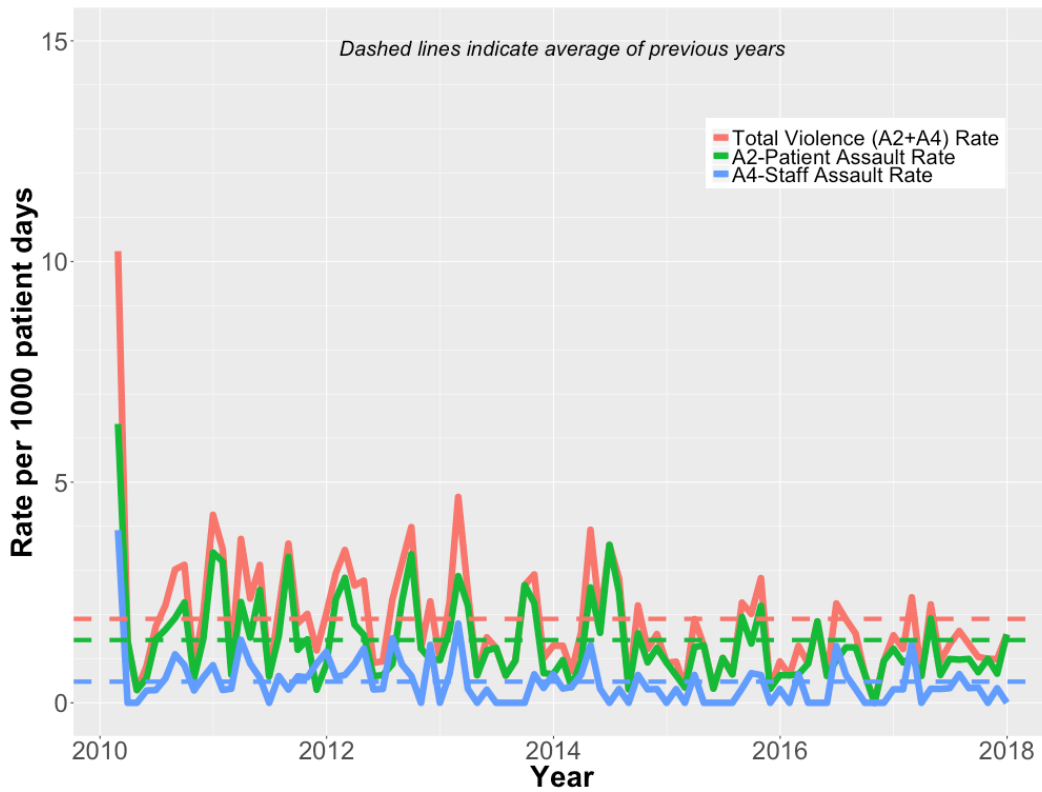
Table III.45
DSH-Metropolitan NGRI Monthly Rates of Violence

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
2/28/10	6.321	3.913	10.235
3/31/10	1.390	0.000	1.390
4/30/10	0.289	0.000	0.289
5/31/10	0.557	0.279	0.836
6/30/10	1.444	0.289	1.733
7/31/10	1.661	0.554	2.214
8/31/10	1.923	1.099	3.022
9/30/10	2.273	0.853	3.126
10/31/10	0.559	0.280	0.839
11/30/10	1.454	0.582	2.036
12/31/10	3.408	0.852	4.260
1/31/11	3.200	0.291	3.491
2/28/11	0.638	0.319	0.958
3/31/11	2.285	1.428	3.713
4/30/11	1.477	0.886	2.363
5/31/11	2.557	0.568	3.125
6/30/11	0.604	0.000	0.604
7/31/11	1.516	0.606	2.122
8/31/11	3.306	0.301	3.607
9/30/11	1.202	0.601	1.802
10/31/11	1.439	0.576	2.014
11/30/11	0.297	0.890	1.187
12/31/11	0.867	1.156	2.023
1/31/12	2.352	0.588	2.940
2/29/12	2.833	0.630	3.462
3/31/12	1.773	0.886	2.659
4/30/12	1.538	1.230	2.768
5/31/12	0.605	0.302	0.907
6/30/12	0.627	0.314	0.941
7/31/12	0.876	1.460	2.336
8/31/12	2.312	0.867	3.179
9/30/12	3.369	0.613	3.982
10/31/12	1.230	0.000	1.230
11/30/12	0.985	1.313	2.298

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
12/31/12	0.970	0.000	0.970
1/31/13	1.625	0.650	2.276
2/28/13	2.870	1.794	4.665
3/31/13	2.203	0.315	2.518
4/30/13	0.626	0.000	0.626
5/31/13	1.187	0.297	1.484
6/30/13	1.244	0.000	1.244
7/31/13	0.618	0.000	0.618
8/31/13	0.954	0.000	0.954
9/30/13	2.666	0.000	2.666
10/31/13	2.262	0.646	2.909
11/30/13	0.673	0.336	1.009
12/31/13	0.647	0.647	1.295
1/31/14	0.969	0.323	1.292
2/28/14	0.358	0.358	0.717
3/31/14	0.959	0.639	1.598
4/30/14	2.614	1.307	3.922
5/31/14	1.585	0.317	1.902
6/30/14	3.578	0.000	3.578
7/31/14	2.503	0.313	2.816
8/31/14	0.308	0.000	0.308
9/30/14	1.576	0.630	2.206
10/31/14	0.916	0.305	1.221
11/30/14	1.246	0.312	1.558
12/31/14	0.910	0.000	0.910
1/31/15	0.621	0.310	0.931
2/28/15	0.351	0.000	0.351
3/31/15	1.265	0.632	1.897
4/30/15	1.300	0.000	1.300
5/31/15	0.323	0.000	0.323
6/30/15	1.016	0.000	1.016
7/31/15	0.644	0.000	0.644
8/31/15	1.946	0.324	2.271
9/30/15	1.343	0.671	2.014
10/31/15	2.198	0.628	2.826
11/30/15	0.322	0.000	0.322
12/31/15	0.625	0.313	0.938

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/16	0.622	0.000	0.622
2/29/16	0.645	0.645	1.289
3/31/16	0.888	0.000	0.888
4/30/16	1.844	0.000	1.844
5/31/16	0.608	0.000	0.608
6/30/16	0.965	1.287	2.252
7/31/16	1.259	0.629	1.888
8/31/16	1.256	0.314	1.570
9/30/16	0.642	0.000	0.642
10/31/16	0.000	0.000	0.000
11/30/16	0.950	0.000	0.950
12/31/16	1.224	0.306	1.530
1/31/17	0.914	0.305	1.219
2/28/17	1.025	1.366	2.391
3/31/17	0.611	0.000	0.611
4/30/17	1.911	0.319	2.230
5/31/17	0.628	0.314	0.942
6/30/17	0.995	0.332	1.327
7/31/17	0.976	0.651	1.627
8/31/17	0.996	0.332	1.328
9/30/17	0.692	0.346	1.038
10/31/17	0.999	0.000	0.999
11/30/17	0.660	0.330	0.990
12/31/17	1.550	0.000	1.550

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 2010-2017, 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., ISTs, NGRIs, MDOs, LPSs, and SVPs). When a given
legal class numbers less than 20 at a hospital (typically DJJ or MDSOs), 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 III.46
DSH-Napa Monthly ADC, By Legal Commitment

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
1/31/10	4	304.06	186.22	152.61	8	514.61	0	0	1169.5
2/28/10	3.93	296.71	187.93	153.18	8	514.25	0	0	1164
3/31/10	5	300.32	183.45	152.35	8	515.23	0	0	1164.35
4/30/10	5	301.06	181.2	150.33	8	515.77	0	0	1161.36
5/31/10	5	297.29	188.44	151.71	8	514.45	0	0	1164.89
6/30/10	5.53	300.87	192.24	152.43	8	512.37	0	0	1171.44
7/31/10	5.35	287.35	193.71	152.58	8	517.48	0	0	1164.47
8/31/10	5	291.58	194.06	153.49	8	516.65	0	0	1168.78
9/30/10	5	293.16	194.47	152.77	8	519.23	0	0	1172.63
10/31/10	5	285.48	201.65	152.78	8	526.16	0	0	1179.07
11/30/10	5	289.8	201.1	150.96	8	525.83	0	0	1180.69
12/31/10	5	280.2	203.93	148.9	8	531.06	0	0	1177.09
1/31/11	5	278.64	214.17	149.13	8	530.94	0	0	1185.88
2/28/11	4.75	271.61	217.51	147.04	8	530.89	0	0	1179.8
3/31/11	4	274.19	215.26	144.78	8	531.65	0	0	1177.88
4/30/11	4	277.94	211.4	144.04	8	534.83	0	0	1180.21
5/31/11	4	272.52	212.86	145.81	8	536.19	0	0	1179.38
6/30/11	4	269.23	207.09	145.47	8	533.2	0	0	1166.99
7/31/11	4	264.1	205.52	141.26	8	532.9	0	0	1155.78
8/31/11	4	264.94	208.44	141.25	8	532.45	0	0	1159.08
9/30/11	4	278.33	208.99	141.93	8	536.97	0	0	1178.22
10/31/11	4	291.48	206.06	143.91	8	539.35	0	0	1192.8
11/30/11	4	295.5	205.72	143.63	8	538.83	0	0	1195.68
12/31/11	4	303.78	205.33	141.39	8	534.42	0	0	1196.92
1/31/12	4	308.8	203.21	137.54	8	535.03	0	0	1196.58
2/29/12	4	310.28	209.97	134.06	8	536.21	0	0	1202.52
3/31/12	4	304.71	216.54	132.51	7.9	531.87	0	0	1197.53
4/30/12	4.67	304.97	220.71	132.63	7	532.9	0	0	1202.88
5/31/12	5	303.19	224.61	131.97	7	535.77	0	0	1207.54
6/30/12	5	304.73	224.35	131.36	7	534.3	0	0	1206.74
7/31/12	5	311.18	227.35	131.04	7	534.94	0	0	1216.51
8/31/12	5	313.13	224.42	131.1	7	533.77	0	0	1214.42
9/30/12	4.23	310.43	226.44	131.53	7	533.33	0	0	1212.96
10/31/12	4	302.45	225.29	131.97	7	534	0	0	1204.71
11/30/12	4	308	225.14	130.3	7	533.5	0	0	1207.94

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
12/31/12	4	304.2	224.67	125.78	7	536.48	0	0	1202.13
1/31/13	3.55	307.52	222.11	124.09	7	538.42	0	0	1202.69
2/28/13	3	304.64	221.13	124.07	7	540.86	0	0	1200.7
3/31/13	3.58	301.38	222.89	123.45	7	545.74	0	0	1204.04
4/30/13	4	297.07	224	118.83	7	550.73	0	0	1201.63
5/31/13	4	304.97	220.46	114.49	7	550.52	0	0	1201.44
6/30/13	4	314.13	216.87	112.7	7	549.5	0	0	1204.2
7/31/13	4	318.39	215.39	111.03	7	547.29	0	0	1203.1
8/31/13	4	326.29	213.39	109.42	7	544.58	0	0	1204.68
9/30/13	3.1	329.7	208.5	106.97	7	539.87	0	0	1195.14
10/31/13	2	329.64	203.1	108.42	7	541.65	0	0	1191.81
11/30/13	2	324.77	200.77	106.57	7	543.83	0	0	1184.94
12/31/13	2	319.35	200.62	106.26	7	541.45	0	0	1176.68
1/31/14	2	312.89	198.62	106.22	7	541.19	0	0	1167.92
2/28/14	2	309.43	199.57	101.79	7	537.29	0	0	1157.08
3/31/14	2	313.39	201.46	85.58	7	536.48	0	0	1145.91
4/30/14	2	318.34	206.43	82.46	7	536.03	0	0	1152.26
5/31/14	2	339.74	206.45	82.48	7	540.71	0	0	1178.38
6/30/14	2	343.19	210.86	83.1	7	544.13	0	0	1190.28
7/31/14	2	354.75	211.06	81.87	7	547.23	0	0	1203.91
8/31/14	2	355.93	210.44	80.81	7	551	0	0	1207.18
9/30/14	2.4	359.37	208.76	80.2	7	552.73	0	0	1210.46
10/31/14	3	364.29	208.97	78	7	550.74	0	0	1212
11/30/14	2.17	368.03	205.69	78.83	7	550.23	0	0	1211.95
12/31/14	1.48	369.8	205.26	78.77	7	551.74	0	0	1214.05
1/31/15	1	366.38	206.69	78.74	7	551.9	0	0	1211.71
2/28/15	0.07	350.89	207.32	80	7	551.46	0	0	1196.74
3/31/15	0	348.62	207.65	80.29	6.74	549.94	0	0	1193.24
4/30/15	0	345.73	210.1	80.76	6	548.37	0	0	1190.96
5/31/15	0	349.83	211.51	81	6	552.65	0	0	1200.99
6/30/15	0	352.2	214.12	81.5	6	555	0	0	1208.82
7/31/15	0	350.77	216.99	81.09	6	556.42	0	0	1211.27
8/31/15	0	354.55	215.04	82	6	557.58	0	0	1215.17
9/30/15	0	355.34	211.74	81.1	6	554.63	0	0	1208.81
10/31/15	0	353.72	210.96	78.84	6	555.68	0	0	1205.2
11/30/15	0	356.06	215.47	77.67	5.53	549.37	0	0	1204.1
12/31/15	0	357.13	213.36	76.1	5	549.55	0	0	1201.14

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
1/31/16	0	352.36	212.93	74.19	5	551.1	0	0	1195.58
2/29/16	0	363.38	207.54	72.38	5	556.21	0	0	1204.51
3/31/16	0	387.45	212.09	72.68	5	565.13	0	0	1242.35
4/30/16	0.6	395.5	220.53	72.8	5	565.87	0	0	1260.3
5/31/16	0.74	394.19	221.52	72	2	571.52	0	0	1261.97
6/30/16	0	393.21	225.46	72	2	572.74	0	0	1265.41
7/31/16	0	402.97	226.77	72.2	2	570.29	0	0	1274.23
8/31/16	0	400.84	223.31	71.71	2	572	0	0	1269.86
9/30/16	0	394.2	218.7	72.53	2	571.53	0	0	1258.96
10/31/16	0	391.68	215.45	72.77	2	573.26	0	0	1255.16
11/30/16	0	387.87	219.63	73.23	2	574.63	0	0	1257.36
12/31/16	0	383.78	221.75	73	2	574.39	0	0	1254.92
1/31/17	0	382.3	223.61	71.22	2	573.81	0	0	1252.94
2/28/17	0	390.78	224.83	70.21	2	572.25	0	0	1260.07
3/31/17	0	389.31	221.48	69.58	2	569.1	0	0	1251.47
4/30/17	0	384.6	222.06	70.6	2	568.7	0	0	1247.96
5/31/17	0	381.48	223.1	71.91	2	571.06	0	0	1249.55
6/30/17	0	381.13	221.37	73.3	2	567.97	0	0	1245.77
7/31/17	0	381.84	217.16	74.87	2	567.13	0	0	1243
8/31/17	0	379.33	215.58	75.97	2	568.8	0	0	1241.68
9/30/17	0	383.43	217.57	77	2	568.77	0	0	1248.77
10/31/17	0	382.39	216.55	77	2	568.52	0	0	1246.46
11/30/17	0	390.64	215.54	76.5	2	565.16	0	0	1249.84
12/31/17	0	397.16	218.74	76	2	565.45	0	0	1259.35

As can be seen, there were no PC2684 or SVP patients at DSH-Napa during this time. Additionally, the numbers of DJJs and MDSOs 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 III.56
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Napa
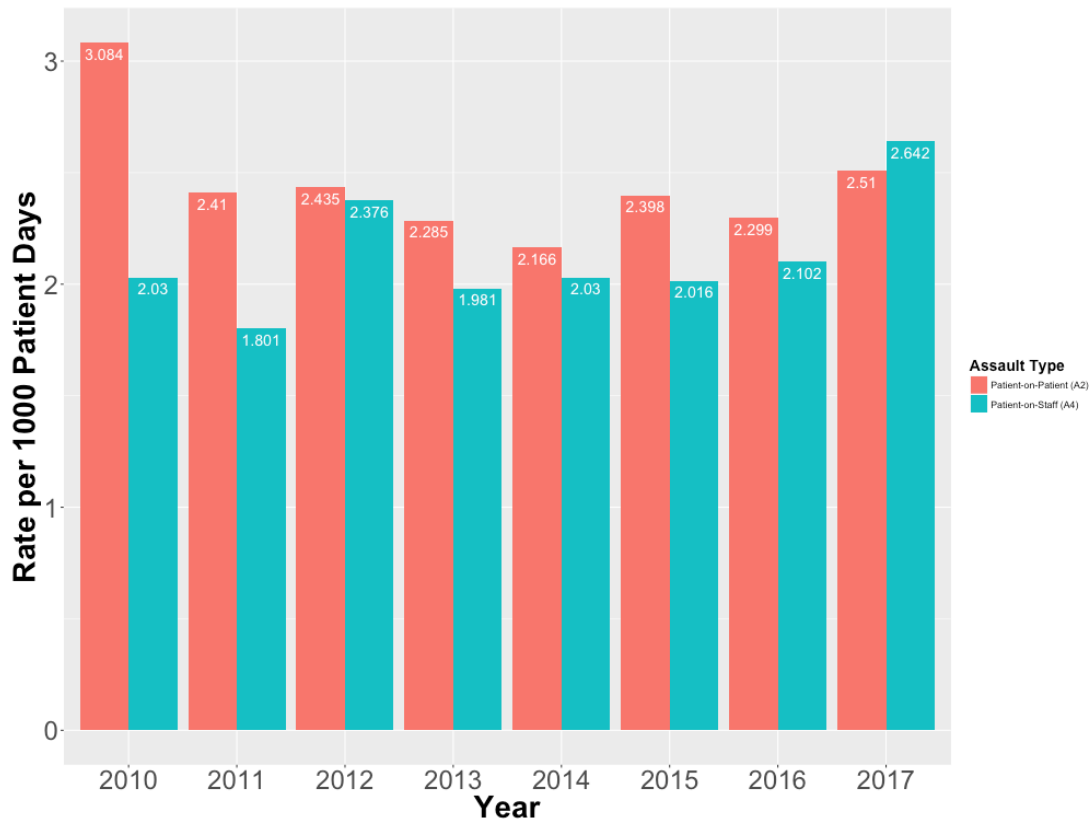
Table III.47
DSH-Napa Yearly A2 Patient-on-patient assault Summary

YEAR	A2 PATIENT-ON-PATIENT ASSAULTS	TOTAL PATIENT DAYS	RATE PER 1000 DAYS	CHANGE FROM PREVIOUS YEAR (%)
2010	1317	427010	3.084	NA
2011	1037	430347	2.41	-21.9
2012	1075	441413	2.435	1
2013	999	437114	2.285	-6.2
2014	939	433559	2.166	-5.2
2015	1054	439490	2.398	10.7
2016	1052	457568	2.299	-4.1
2017	1145	456130	2.51	9.2

Table III.48
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	427010	2.03	NA
2011	775	430347	1.801	-11.3
2012	1049	441413	2.376	31.9
2013	866	437114	1.981	-16.6
2014	880	433559	2.03	2.5
2015	886	439490	2.016	-0.7
2016	962	457568	2.102	4.3
2017	1205	456130	2.642	25.7

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

Figure III.57
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Napa
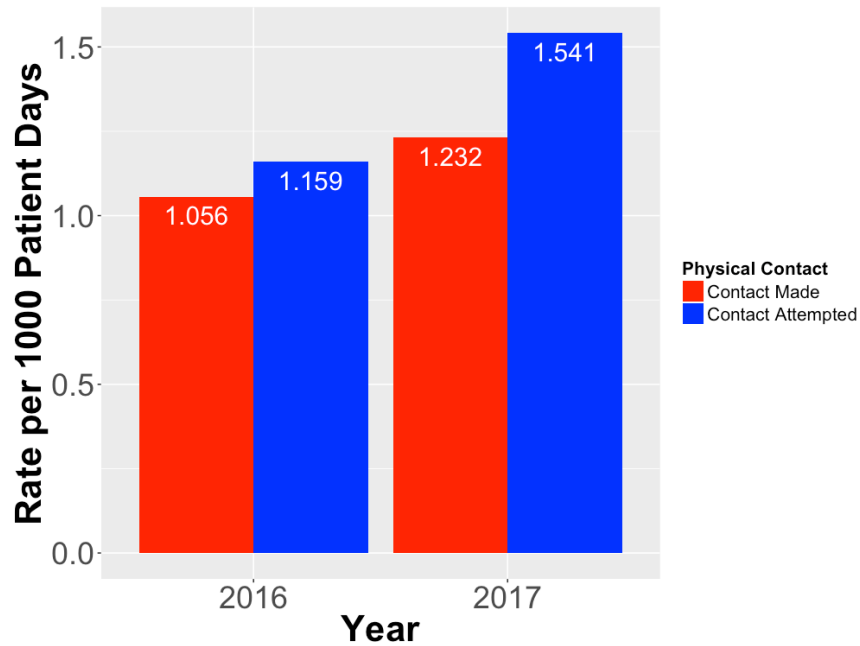
Table III.49
DSH – Napa Staff Assaults – Physical Contact Made and Contact Attempted

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

Monthly Rates

The previous barplot showing the violence rates as an overall yearly average does not show the monthly variability in the rates that occurs regularly. Two figures are shown, the first being a plot of the violence rates on a monthly basis, and the second 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).

Figure III.58
DSH-Napa Monthly Rates of Violence per 1000 Patient Days
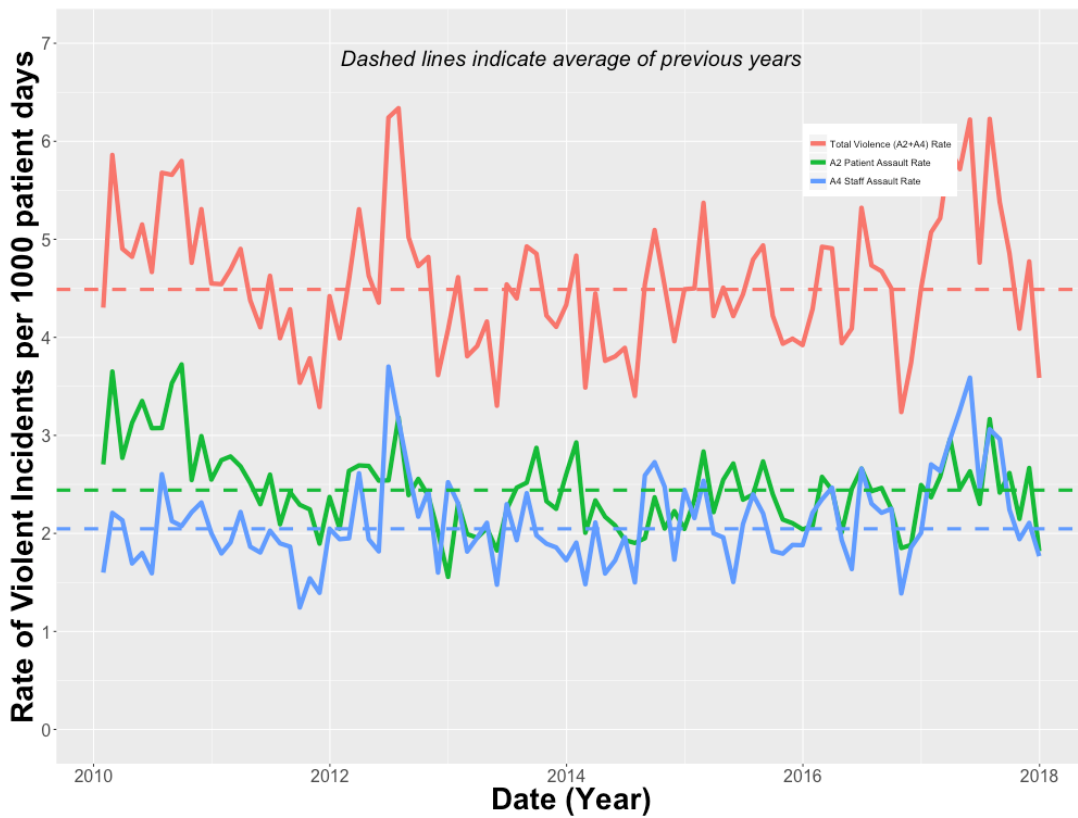
Trend of Monthly Rates

Figure III.59
DSH-Napa Trends of Monthly Rates of Violence per 1000 Patient Days
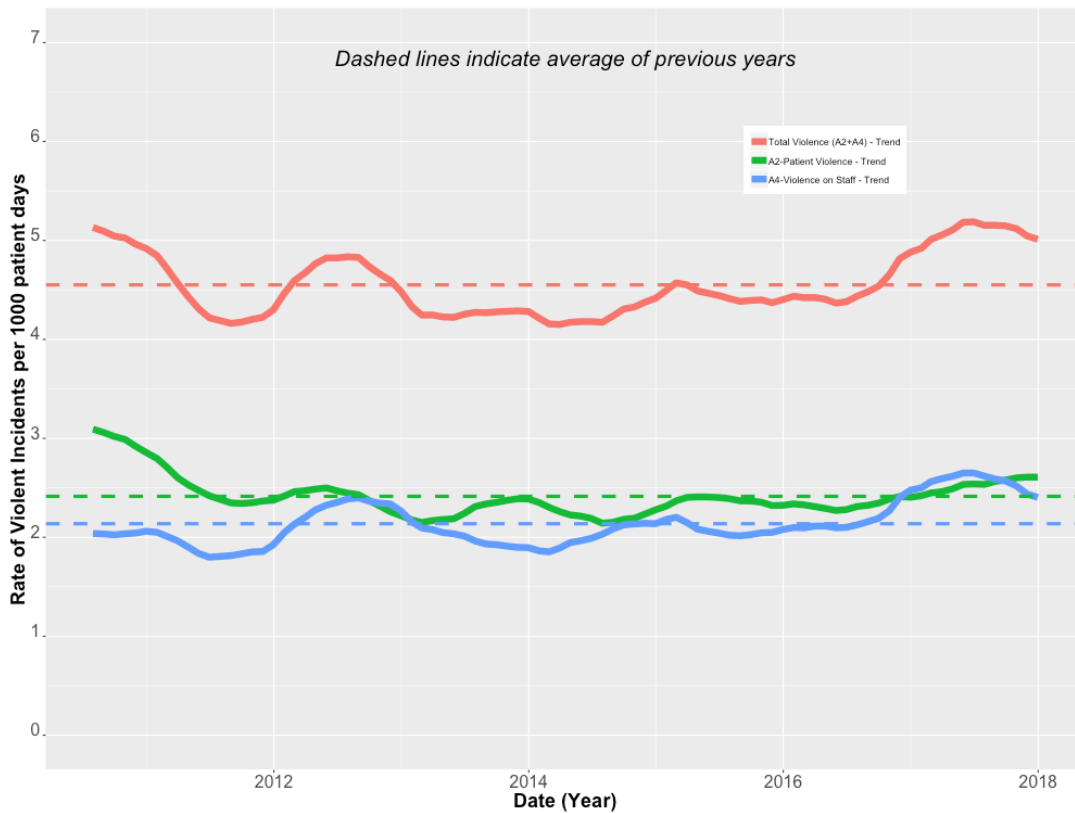
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

Figure III.59 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 (2010-2016) average rate for each category, for comparison with 2017.

Table III.51 provides a yearly summary of the year-over-year changes in the assault rates.

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 2017 to 2016, whether an increase or decrease was seen in violence (patient or staff) at DSH-Napa across legal classes.

Table III.50
Comparison of overall 2017 Violence Rates to 2016 Rates

LEGAL CLASS	PATIENT-ON-PATIENT VIOLENCE	PATIENT-ON-STAFF VIOLENCE
IST	Increased	Increased
LPS	Decreased	Increased
MDO	Decreased	Increased
NGRI	Increased	Decreased

Note: Comparisons based on average of monthly rates for that year. See following tables for each legal class

Table III.51
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	4.303
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	2.549	2.001	4.549
1/31/11	2.747	1.795	4.543
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	2.599	2.028	4.627
7/31/11	2.093	1.898	3.991
8/31/11	2.421	1.865	4.286
9/30/11	2.292	1.245	3.536
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	2.688	1.940	4.628
5/31/12	2.538	1.817	4.354
6/30/12	2.541	3.701	6.243
7/31/12	3.182	3.155	6.338
8/31/12	2.391	2.630	5.020
9/30/12	2.556	2.171	4.727

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
10/31/12	2.383	2.437	4.820
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
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	1.725	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

	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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	2.454	1.636	4.090
6/30/16	2.661	2.661	5.321
7/31/16	2.430	2.304	4.734
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	3.166	3.062	6.228
8/31/17	2.416	2.962	5.378
9/30/17	2.616	2.242	4.858
10/31/17	2.148	1.941	4.089
11/30/17	2.667	2.107	4.774
12/31/17	1.819	1.767	3.586

Violence Rates by Major Legal Classes

DSH-Napa IST's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.60
Trends of Monthly Rates of Violence for IST's at DSH-Napa
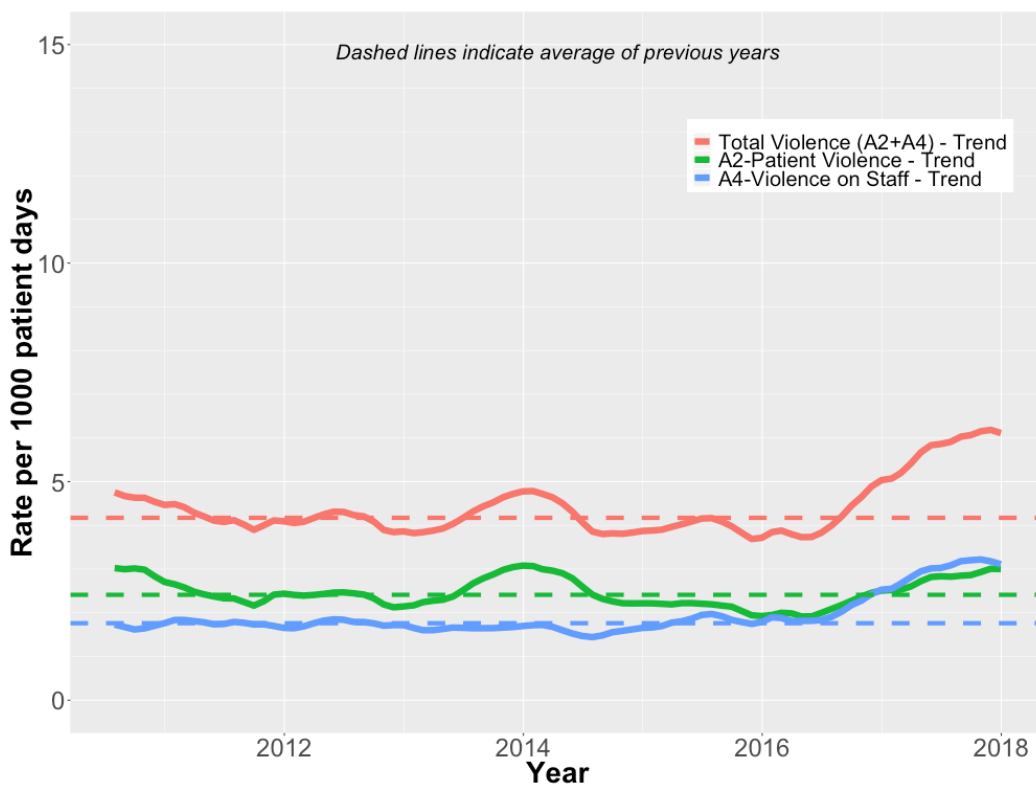
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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 III.61
Monthly Rates of Violence for IST's at DSH-Napa
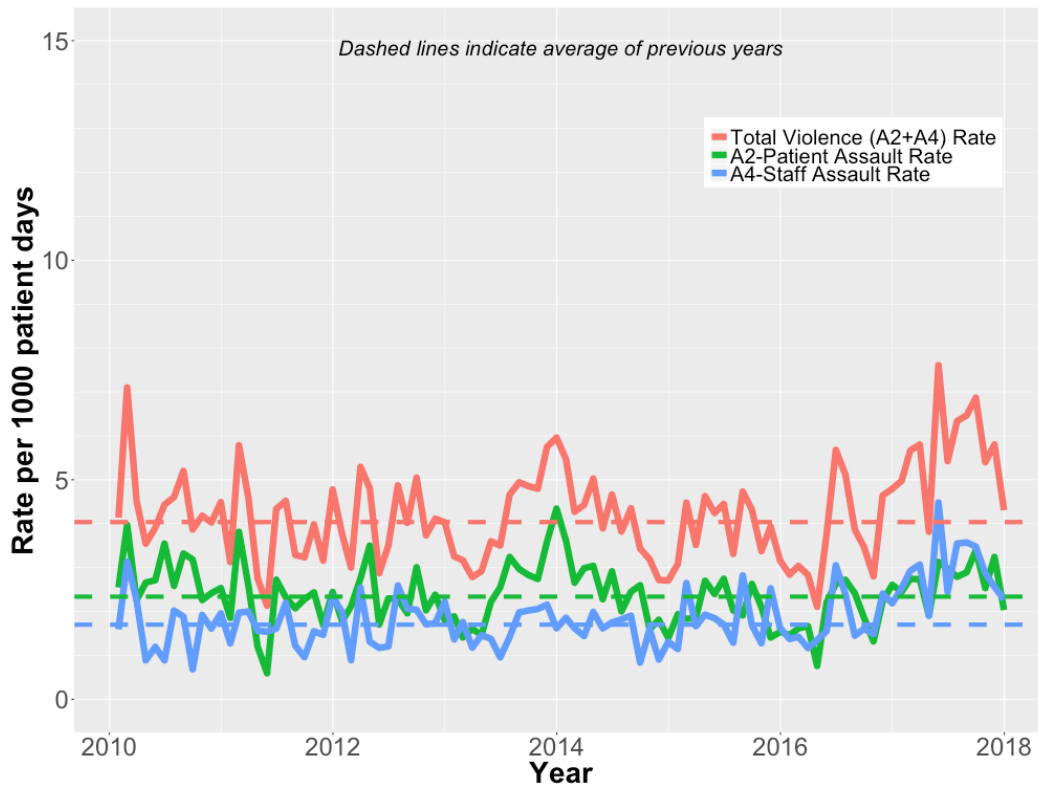
Table III.52
DSH-Napa IST Monthly Rates of Violence

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	2.546	1.591	4.137
2/28/10	3.972	3.130	7.102
3/31/10	2.256	2.256	4.511
4/30/10	2.657	0.886	3.543
5/31/10	2.713	1.194	3.906
6/30/10	3.545	0.886	4.432
7/31/10	2.582	2.021	4.603
8/31/10	3.319	1.881	5.200
9/30/10	3.184	0.682	3.866
10/31/10	2.260	1.921	4.181
11/30/10	2.415	1.610	4.026
12/31/10	2.533	1.957	4.490
1/31/11	1.852	1.273	3.126
2/28/11	3.813	1.972	5.786
3/31/11	2.588	2.000	4.588
4/30/11	1.199	1.559	2.758
5/31/11	0.592	1.539	2.131
6/30/11	2.724	1.610	4.333
7/31/11	2.321	2.199	4.519
8/31/11	2.070	1.218	3.287
9/30/11	2.275	0.958	3.234
10/31/11	2.435	1.549	3.984
11/30/11	1.692	1.466	3.158
12/31/11	2.442	2.336	4.779
1/31/12	1.776	1.985	3.761
2/29/12	2.112	0.889	3.001
3/31/12	2.752	2.541	5.293
4/30/12	3.498	1.312	4.809
5/31/12	1.702	1.170	2.873
6/30/12	2.297	1.203	3.500
7/31/12	2.281	2.591	4.872
8/31/12	1.957	2.060	4.018
9/30/12	3.007	2.040	5.047
10/31/12	2.026	1.706	3.733

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
11/30/12	2.381	1.732	4.113
12/31/12	1.803	2.227	4.030
1/31/13	1.888	1.364	3.252
2/28/13	1.407	1.758	3.165
3/31/13	1.605	1.177	2.783
4/30/13	1.459	1.459	2.917
5/31/13	2.221	1.375	3.596
6/30/13	2.547	0.955	3.502
7/31/13	3.242	1.418	4.661
8/31/13	2.966	1.977	4.943
9/30/13	2.831	2.022	4.853
10/31/13	2.740	2.055	4.795
11/30/13	3.592	2.155	5.748
12/31/13	4.343	1.616	5.960
1/31/14	3.608	1.856	5.464
2/28/14	2.655	1.616	4.271
3/31/14	2.985	1.441	4.426
4/30/14	3.037	1.990	5.026
5/31/14	2.279	1.614	3.893
6/30/14	2.914	1.748	4.662
7/31/14	2.001	1.819	3.819
8/31/14	2.447	1.903	4.350
9/30/14	2.597	0.835	3.432
10/31/14	1.594	1.594	3.188
11/30/14	1.811	0.906	2.717
12/31/14	1.396	1.308	2.704
1/31/15	1.937	1.145	3.082
2/28/15	1.832	2.646	4.478
3/31/15	1.851	1.666	3.516
4/30/15	2.700	1.928	4.628
5/31/15	2.397	1.844	4.242
6/30/15	2.745	1.704	4.448
7/31/15	2.023	1.287	3.311
8/31/15	1.911	2.820	4.731
9/30/15	2.627	1.689	4.315
10/31/15	2.098	1.277	3.374
11/30/15	1.404	2.528	3.932

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
12/31/15	1.536	1.626	3.161
1/31/16	1.465	1.373	2.838
2/29/16	1.613	1.423	3.037
3/31/16	1.665	1.166	2.831
4/30/16	0.759	1.349	2.107
5/31/16	2.209	1.555	3.764
6/30/16	2.628	3.052	5.680
7/31/16	2.722	2.402	5.123
8/31/16	2.414	1.449	3.863
9/30/16	1.860	1.607	3.467
10/31/16	1.318	1.482	2.800
11/30/16	2.234	2.406	4.641
12/31/16	2.606	2.185	4.791
1/31/17	2.447	2.531	4.978
2/28/17	2.742	2.925	5.666
3/31/17	2.734	3.066	5.800
4/30/17	1.907	1.907	3.813
5/31/17	3.129	4.482	7.610
6/30/17	2.974	2.449	5.422
7/31/17	2.788	3.548	6.336
8/31/17	2.891	3.572	6.463
9/30/17	3.390	3.477	6.868
10/31/17	2.531	2.868	5.399
11/30/17	3.243	2.560	5.803
12/31/17	2.031	2.274	4.305

DSH-Napa LPS's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.62
Trends of Monthly Rates of Violence for LPS's at DSH-Napa
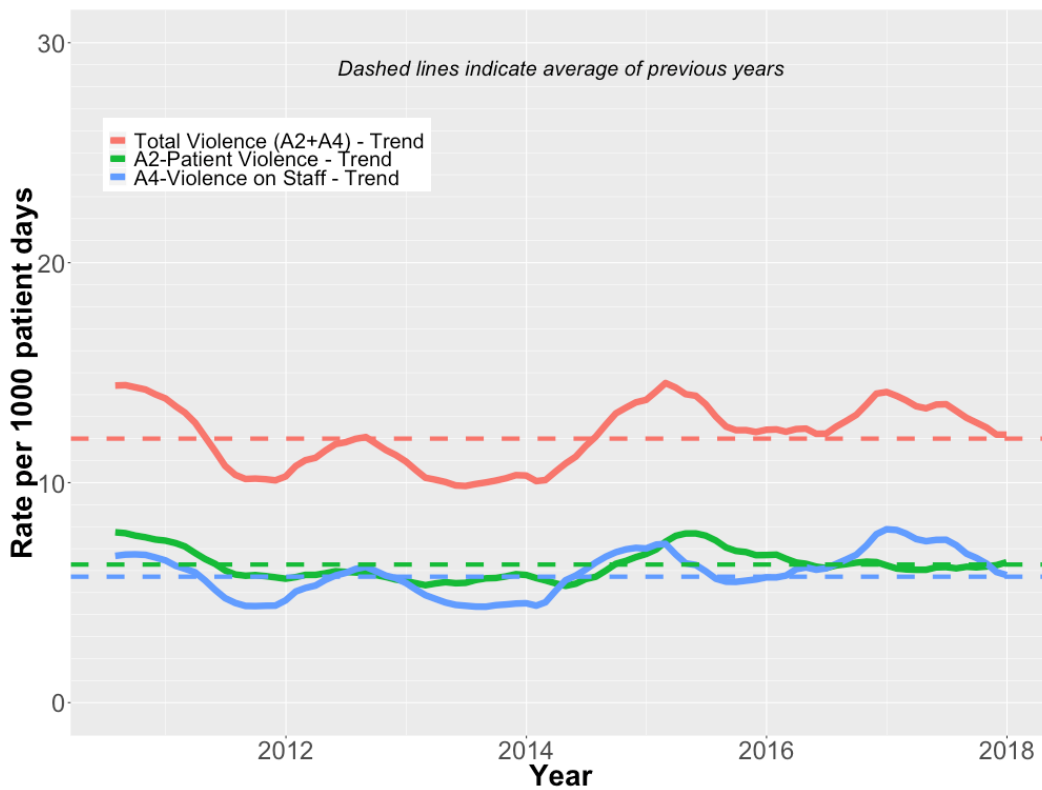
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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 III.63
Monthly Rates of Violence for LPS's at DSH-Napa
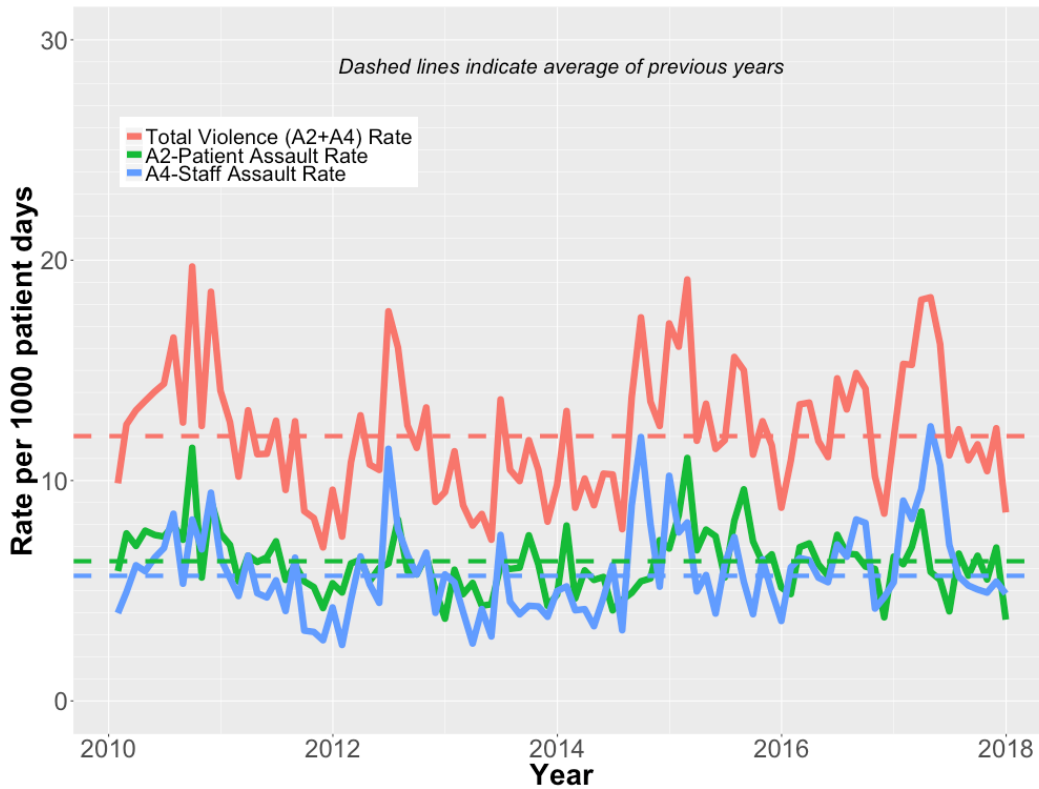
Table III.53
DSH-Napa LPS Monthly Rates of Violence

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	7.034	6.154	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	6.485	14.078
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	7.243	5.472	12.715
7/31/11	5.494	4.081	9.575
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	4.213	2.754	6.967
12/31/11	5.342	4.242	9.584
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	5.893	6.612	12.505
9/30/12	5.741	5.741	11.482

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
10/31/12	6.586	6.730	13.316
11/30/12	5.034	3.998	9.032
12/31/12	3.733	5.743	9.476
1/31/13	5.955	5.374	11.329
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	4.390	2.927	7.316
6/30/13	6.148	7.532	13.680
7/31/13	5.991	4.493	10.484
8/31/13	6.047	3.930	9.977
9/30/13	7.514	4.317	11.831
10/31/13	6.194	4.288	10.483
11/30/13	4.317	3.819	8.135
12/31/13	4.824	4.985	9.809
1/31/14	7.958	5.197	13.156
2/28/14	4.653	4.116	8.769
3/31/14	5.925	4.163	10.088
4/30/14	5.490	3.391	8.881
5/31/14	5.625	4.688	10.313
6/30/14	4.110	6.165	10.275
7/31/14	4.585	3.210	7.795
8/31/14	4.905	8.890	13.795
9/30/14	5.429	11.975	17.404
10/31/14	5.557	8.027	13.584
11/30/14	7.292	5.186	12.478
12/31/14	6.915	10.215	17.130
1/31/15	8.428	7.648	16.076
2/28/15	11.025	8.096	19.121
3/31/15	6.835	4.971	11.807
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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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	7.540	7.096	14.636
7/31/16	6.686	6.543	13.229
8/31/16	6.645	8.233	14.878
9/30/16	6.097	8.078	14.175
10/31/16	5.989	4.192	10.181
11/30/16	3.794	4.705	8.499
12/31/16	6.546	5.383	11.929
1/31/17	6.203	9.088	15.291
2/28/17	6.990	8.261	15.250
3/31/17	8.593	9.613	18.206
4/30/17	5.854	12.459	18.313
5/31/17	5.495	10.700	16.194
6/30/17	4.066	7.077	11.143
7/31/17	6.684	5.645	12.329
8/31/17	5.686	5.237	10.923
9/30/17	6.588	5.056	11.644
10/31/17	5.512	4.916	10.428
11/30/17	6.959	5.413	12.372
12/31/17	3.687	4.867	8.553

DSH-Napa MDO's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.64
Trends of Monthly Rates of Violence for MDO's at DSH-Napa
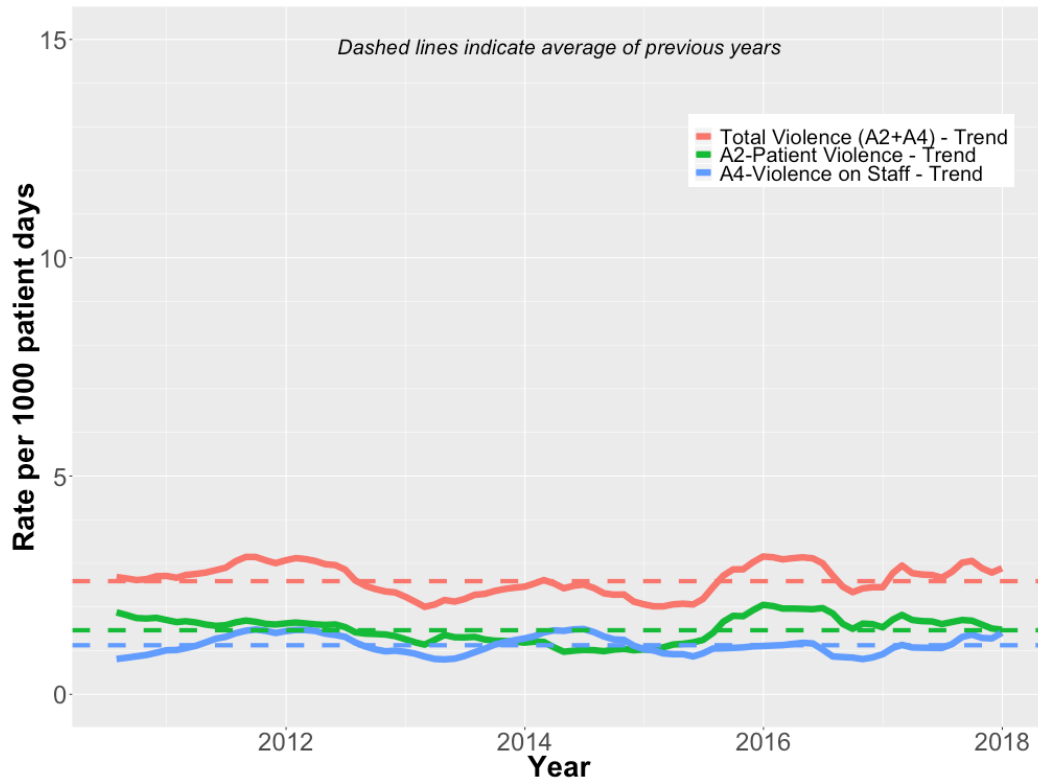
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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 III.65
Monthly Rates of Violence for MDO's at DSH-Napa
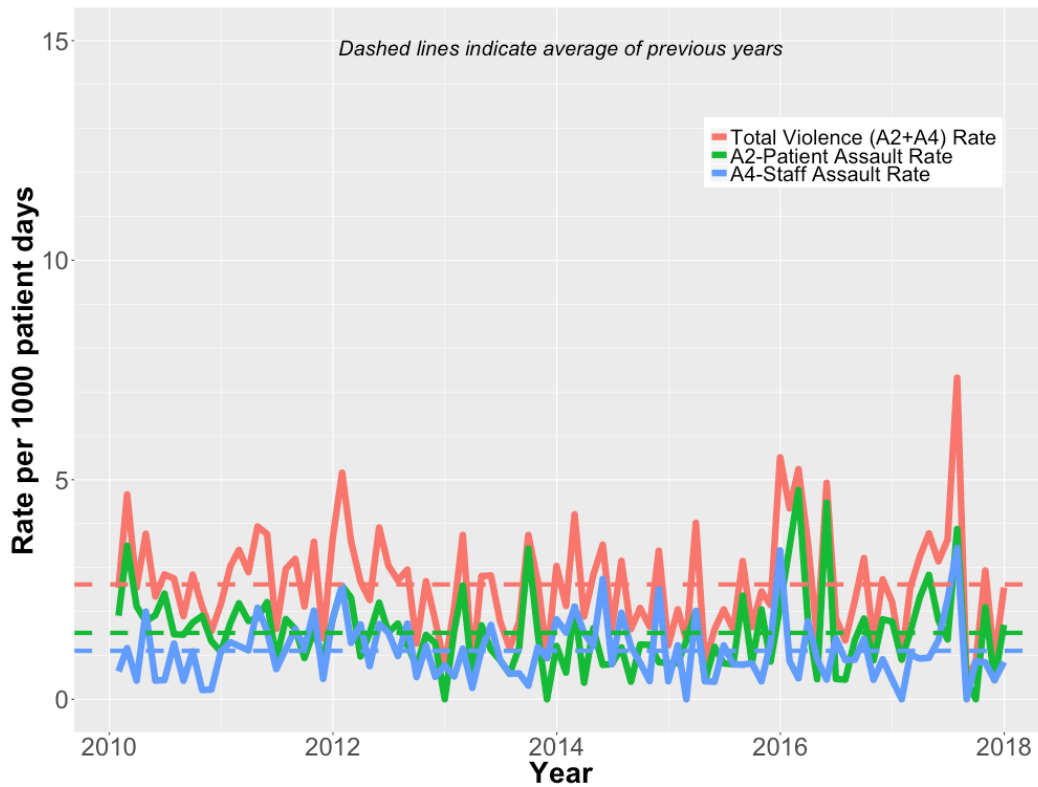
Table III.54
DSH-Napa MDO Monthly Rates of Violence

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	1.480	1.268	2.748
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	1.083	1.083	2.166
1/31/11	1.730	1.298	3.028
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	1.569	2.017	3.587
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	2.200	1.711	3.911
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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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
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

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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
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

DSH-Napa NGRI's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.65
Trends of Monthly Rates of Violence for NGRI's at DSH-Napa
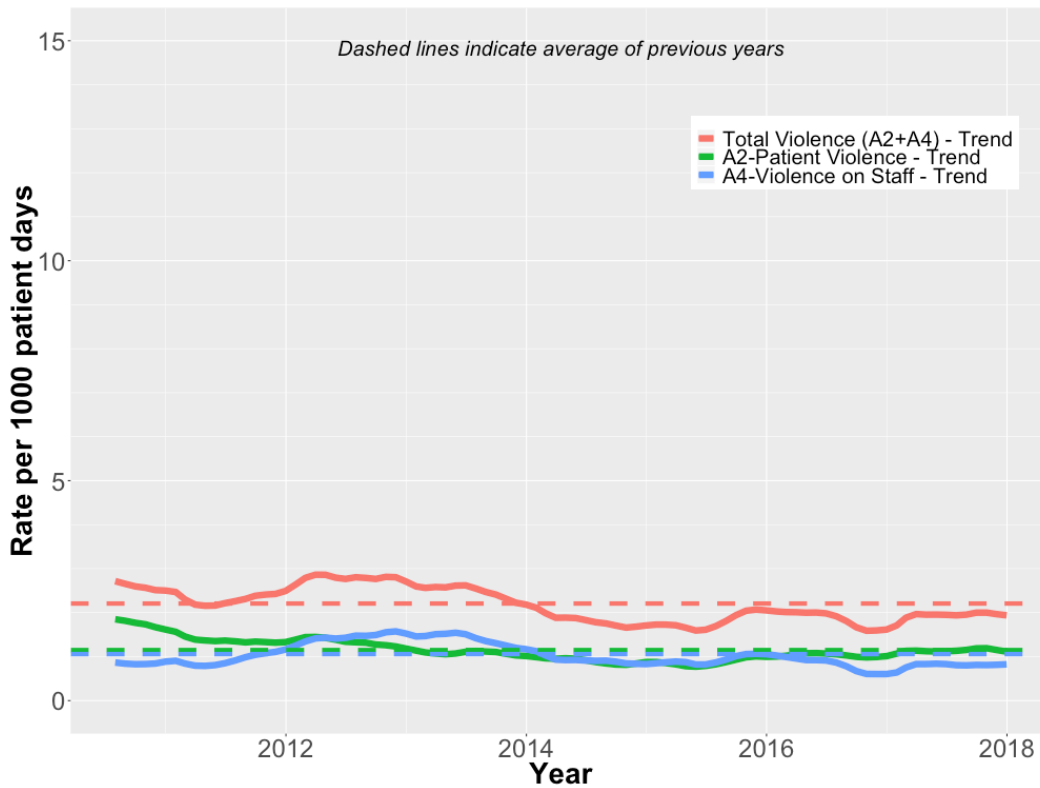
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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 III.66
Monthly Rates of Violence for NGRI's at DSH-Napa
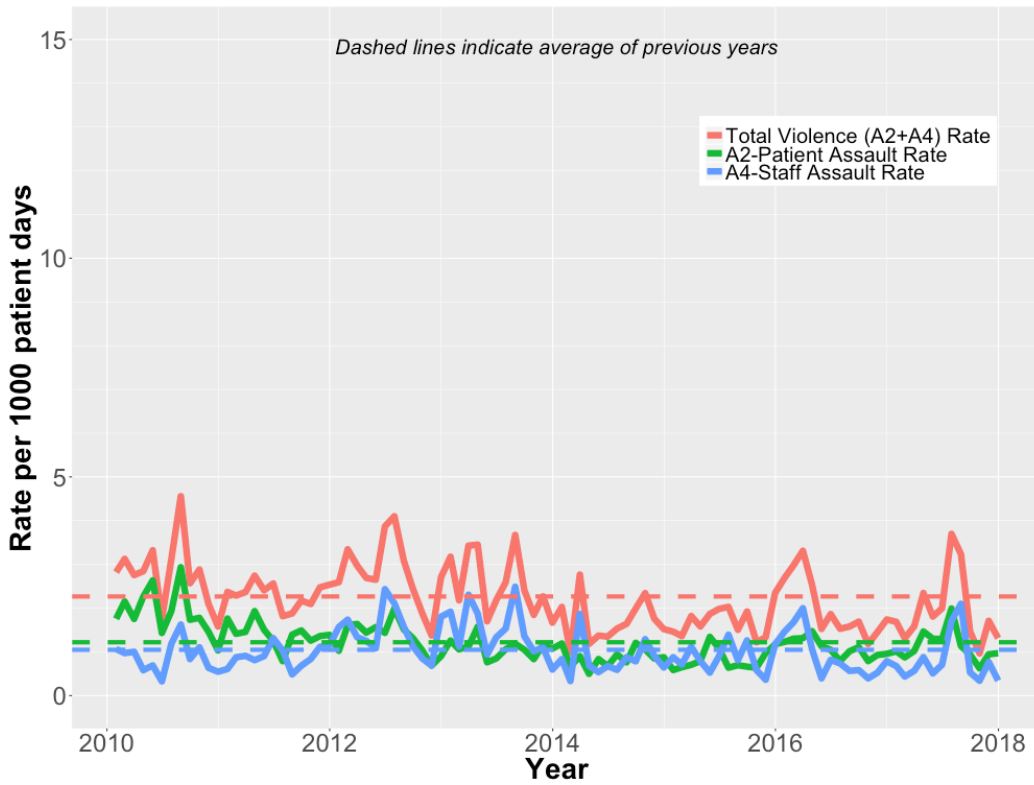
Table III.55
DSH-Napa NGRI Monthly Rates of Violence

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/10	1.755	1.066	2.821
2/28/10	2.153	0.972	3.125
3/31/10	1.753	1.002	2.755
4/30/10	2.262	0.582	2.844
5/31/10	2.634	0.690	3.323
6/30/10	1.431	0.325	1.757
7/31/10	1.932	1.184	3.117
8/31/10	2.935	1.623	4.558
9/30/10	1.733	0.835	2.568
10/31/10	1.778	1.104	2.881
11/30/10	1.458	0.634	2.092
12/31/10	1.033	0.547	1.579
1/31/11	1.762	0.608	2.370
2/28/11	1.413	0.875	2.287
3/31/11	1.456	0.910	2.366
4/30/11	1.932	0.810	2.742
5/31/11	1.504	0.902	2.406
6/30/11	1.250	1.313	2.563
7/31/11	0.787	1.029	1.816
8/31/11	1.393	0.485	1.878
9/30/11	1.490	0.683	2.173
10/31/11	1.256	0.837	2.093
11/30/11	1.361	1.114	2.474
12/31/11	1.388	1.147	2.535
1/31/12	1.025	1.568	2.593
2/29/12	1.608	1.736	3.344
3/31/12	1.638	1.334	2.972
4/30/12	1.439	1.251	2.690
5/31/12	1.565	1.084	2.649
6/30/12	1.435	2.433	3.868
7/31/12	1.990	2.111	4.101
8/31/12	1.511	1.571	3.082
9/30/12	1.313	1.125	2.438
10/31/12	1.027	0.846	1.873

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
11/30/12	0.687	0.687	1.375
12/31/12	0.902	1.804	2.706
1/31/13	1.258	1.917	3.175
2/28/13	1.057	1.123	2.179
3/31/13	1.123	2.305	3.428
4/30/13	1.574	1.876	3.450
5/31/13	0.762	0.938	1.699
6/30/13	0.849	1.335	2.184
7/31/13	1.061	1.532	2.593
8/31/13	1.185	2.488	3.673
9/30/13	1.050	1.358	2.408
10/31/13	0.834	1.012	1.846
11/30/13	1.165	1.103	2.268
12/31/13	1.072	0.596	1.668
1/31/14	1.192	0.834	2.027
2/28/14	0.665	0.332	0.997
3/31/14	0.902	1.864	2.766
4/30/14	0.497	0.684	1.182
5/31/14	0.835	0.537	1.372
6/30/14	0.674	0.674	1.348
7/31/14	0.943	0.589	1.533
8/31/14	0.761	0.878	1.639
9/30/14	1.206	0.784	1.990
10/31/14	1.054	1.289	2.343
11/30/14	0.848	0.909	1.757
12/31/14	0.877	0.643	1.520
1/31/15	0.584	0.877	1.461
2/28/15	0.648	0.712	1.360
3/31/15	0.704	1.115	1.818
4/30/15	0.790	0.790	1.580
5/31/15	1.343	0.525	1.868
6/30/15	1.081	0.901	1.982
7/31/15	0.638	1.391	2.029
8/31/15	0.694	0.810	1.504
9/30/15	0.661	1.262	1.923
10/31/15	0.639	0.581	1.219
11/30/15	0.971	0.364	1.335
12/31/15	1.174	1.174	2.348

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/16	1.229	1.463	2.693
2/29/16	1.302	1.674	2.976
3/31/16	1.313	1.998	3.311
4/30/16	1.473	1.060	2.533
5/31/16	1.129	0.395	1.524
6/30/16	1.048	0.815	1.862
7/31/16	0.792	0.735	1.527
8/31/16	1.015	0.564	1.579
9/30/16	1.108	0.583	1.691
10/31/16	0.788	0.394	1.182
11/30/16	0.928	0.522	1.450
12/31/16	0.955	0.786	1.741
1/31/17	1.012	0.675	1.687
2/28/17	0.874	0.437	1.311
3/31/17	1.020	0.567	1.587
4/30/17	1.465	0.879	2.345
5/31/17	1.299	0.508	1.808
6/30/17	1.291	0.704	1.995
7/31/17	1.991	1.706	3.697
8/31/17	1.134	2.098	3.233
9/30/17	0.938	0.527	1.465
10/31/17	0.624	0.340	0.965
11/30/17	0.944	0.767	1.710
12/31/17	0.970	0.342	1.312

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 2010-2017, 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., ISTs, NGRIs, MDOs, LPSs, and SVPs). 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 III.56
DSH-Patton Monthly ADC, By Legal Commitment

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
1/31/10	3	519.52	105.17	393.74	14.68	518.13	23.71	1	1578.95
2/28/10	3.07	524.86	103.86	396.89	13.36	519.29	21.36	1	1583.69
3/31/10	2.71	515.52	105.65	396.97	13	523.03	22.1	1	1579.98
4/30/10	3	521.57	105.17	399.23	13	523.63	26.9	1	1593.5
5/31/10	3	513.1	103.23	402.03	13	524.36	28.03	1	1587.75
6/30/10	2.07	510.2	103.37	404.3	13	524.83	26	1	1584.77
7/31/10	3.13	499.46	103.1	405	13	527.42	27.65	1	1579.76
8/31/10	3.03	497.49	101.1	405.97	13	530.16	27.94	1	1579.69
9/30/10	3	491.93	98.44	402.03	13	532.53	26.83	1	1568.76
10/31/10	3.48	481.9	101.61	400.03	13	536.48	22.45	1	1559.95
11/30/10	2.73	476.77	102.17	397.27	14.03	539.5	20.1	1	1553.57
12/31/10	2	471.38	100.68	400.32	15	541.9	20.97	1	1553.25
1/31/11	2	476.77	98.16	402.07	15	546.87	17.84	1	1559.71
2/28/11	2	473.08	98.36	401.6	15	540.61	15.32	1	1546.97
3/31/11	2	455.29	98.26	402.26	15	539.42	13.74	1	1526.97
4/30/11	2.87	455.53	95.73	397.53	15	537.97	16.83	1	1522.46
5/31/11	2.03	482.06	93.42	395.36	14.1	535.58	15.81	1	1539.36
6/30/11	2.2	480.9	96.06	392.07	14	537.17	13.5	1	1536.9
7/31/11	3.87	487.35	97.74	391.45	14	540.39	16.71	1	1552.51
8/31/11	3	479.42	97.23	394.78	14.45	542.1	17.68	1	1549.66
9/30/11	3.13	476.49	100.1	396.17	14.67	543.93	22.2	1	1557.69
10/31/11	3.61	475.64	101.26	394.58	14	545.13	23.06	1	1558.28
11/30/11	3	472.43	103.4	392.4	14	550.13	20.2	1	1556.56
12/31/11	3	470.78	104.81	391.9	14	547.74	21.48	1	1554.71
1/31/12	3	469.94	105.06	393.55	14	548.94	17.61	1	1553.1
2/29/12	3.76	484.66	105.51	392.82	14	543.55	15.83	1	1561.13
3/31/12	3.23	485.62	107.27	387.22	14	543.42	11.84	1	1553.6
4/30/12	2.67	496.83	109.53	384.97	14	538.7	9.8	1	1557.5
5/31/12	3	500.1	110.49	383.55	14	538.48	8.65	1	1559.27
6/30/12	2.8	500.6	111.33	382.01	14	539.63	11.6	1	1562.97
7/31/12	2	501.78	113.87	382.17	14	539.13	11.42	1	1565.37
8/31/12	2	506.48	114.83	382.77	13.29	537.87	8.39	1	1566.63
9/30/12	1.87	508.04	114.67	382.6	13	541.7	7.2	1	1570.08
10/31/12	1	511.64	113.1	379.78	13	544.32	6.55	1	1570.39
11/30/12	1	503.87	114.77	381.03	13	543.5	6	1	1564.17

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
12/31/12	1.94	500.58	115.71	380.39	13	544.52	5.16	1.06	1562.36
1/31/13	2.94	509.62	117.39	379.42	13	544.9	3.55	1	1571.82
2/28/13	3	506.93	115.71	376.9	13	546.96	3	1	1566.5
3/31/13	3	503.82	113.36	377.23	13	548.16	3	1	1562.57
4/30/13	3	506.44	111.31	379.8	13	551.5	3.1	1	1569.15
5/31/13	3	502.03	112.77	379.88	13	550.71	2.42	1	1564.81
6/30/13	3.43	507.47	111.7	378.17	13	548.23	2	1	1565
7/31/13	3.71	512.61	109.83	376.62	13	546.19	2	1	1564.96
8/31/13	3	505	109.26	378.39	13	552.13	2.06	1	1563.84
9/30/13	3	493.19	109.13	382.1	12.7	554.3	2.17	1	1557.59
10/31/13	3	491.71	108	378.77	12	560.1	2.03	1	1556.61
11/30/13	3	496.7	106.54	372.06	12	557.93	2	1	1551.23
12/31/13	3	499.47	104.16	371.35	12	555.03	2	1	1548.01
1/31/14	3	499.13	103.2	373.2	12	556.13	2.06	1	1549.72
2/28/14	3	502.99	102.36	375.36	12	556.11	2	1	1554.82
3/31/14	3.68	511.85	105.23	368.71	12	558.03	2	1	1562.5
4/30/14	3.73	523.8	106.07	357.26	12	560.77	2	1	1566.63
5/31/14	3.13	526.04	105.48	355.55	12	560.26	2.06	1	1565.52
6/30/14	3	534.46	102.03	342.37	12	557.57	2	1	1554.43
7/31/14	3.94	539.34	102.23	335.36	12	560.39	2.06	1	1556.32
8/31/14	4	536.39	104.68	330.68	12	559.26	2	1	1550.01
9/30/14	3.47	541.63	106.34	324.6	12	560.1	2.1	1	1551.24
10/31/14	1.87	541.74	108.68	325.64	12	561.48	2	1	1554.41
11/30/14	1	543.28	111.27	314.43	12	560.63	2.1	1	1545.71
12/31/14	1.71	536.99	111.19	314.2	12	565.84	2	1	1544.93
1/31/15	1.45	533.17	111.62	316.39	12	569	2.13	1	1546.76
2/28/15	1	531.43	113.96	314.29	11.64	570.21	2.04	1	1545.57
3/31/15	1	531.29	118.64	311.91	11	570.45	2	1	1547.29
4/30/15	1	540.03	118.76	307.47	10.33	568.67	2.2	1	1549.46
5/31/15	1.84	559.06	117.81	296.29	7.1	567.55	2.1	1	1552.75
6/30/15	1.03	567.13	118.1	286.9	7	569.97	2.1	1	1553.23
7/31/15	1	576.16	117.13	283.55	7	568.03	2.03	1	1555.9
8/31/15	1.9	576.36	113.67	283.1	7	567.32	2.03	1	1552.38
9/30/15	1.23	577.26	113.53	284.57	7	567.93	2.17	1	1554.69
10/31/15	1	578.78	114.65	285.54	7	561.61	2.1	1	1551.68
11/30/15	1	583.07	116.77	282.6	7	562	2.1	1	1555.54
12/31/15	1	586.58	118.42	282.68	7	564.13	2	1	1562.81
1/31/16	1	587.09	120.48	283.17	6.84	565.29	2.06	1	1566.93

DATE	DJJ	IST	LPS	MDO	MDSO	NGRI	PC2684	SVP	TOTAL POP.
2/29/16	1	583	123.38	281.52	6	564.79	2	1	1562.69
3/31/16	1.26	596.2	119.19	280.65	6	563.68	1.42	1	1569.4
4/30/16	2	597.26	120.13	280.5	6	562.23	0	1	1569.12
5/31/16	2	598.23	117.22	282.38	6	560.84	0	1	1567.67
6/30/16	1.27	597.13	114.66	283.83	6	564	0.03	1	1567.92
7/31/16	2	594.55	113.75	281.75	6	563.68	0	1	1562.73
8/31/16	2	595.39	113.86	280.55	6	563.42	0.1	1	1562.32
9/30/16	2	589.64	114.1	282.17	6	564.67	0.07	1	1559.65
10/31/16	2	597.97	110.49	280.09	6	560.38	0	1	1557.93
11/30/16	2.03	599.86	105.9	278.16	6	559.44	0	1	1552.39
12/31/16	3	604.83	108.12	276.06	6	552.1	0.03	1	1551.14
1/31/17	2.13	614.51	107.1	273.09	6	547.97	0	1	1551.8
2/28/17	2	616.22	105.89	274.64	6	548.65	0.04	1	1554.44
3/31/17	2	610.36	109.09	273.67	6	548.19	0.1	1	1550.41
4/30/17	3.13	600.23	114.53	276.87	6	544.44	0	1	1546.2
5/31/17	3	594.07	116.74	277.93	6	542.2	0.06	1	1541
6/30/17	2.87	594.8	119.47	280.83	6	541.74	0.37	1	1547.08
7/31/17	2	580.71	118.81	287.81	6	544.9	1.1	1	1542.33
8/31/17	2	577.25	117.52	290.25	6	544.81	10.26	1	1549.09
9/30/17	2	576.29	122.93	292.73	6	546.73	10.47	1	1558.15
10/31/17	2	558.58	126.35	297.87	6	550.1	11.35	1	1553.25
11/30/17	2	540.24	127.17	299.5	6	550.26	10.3	1	1536.47
12/31/17	2	542.81	122.87	304.29	6	551.94	7.58	1	1538.49

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 III.67
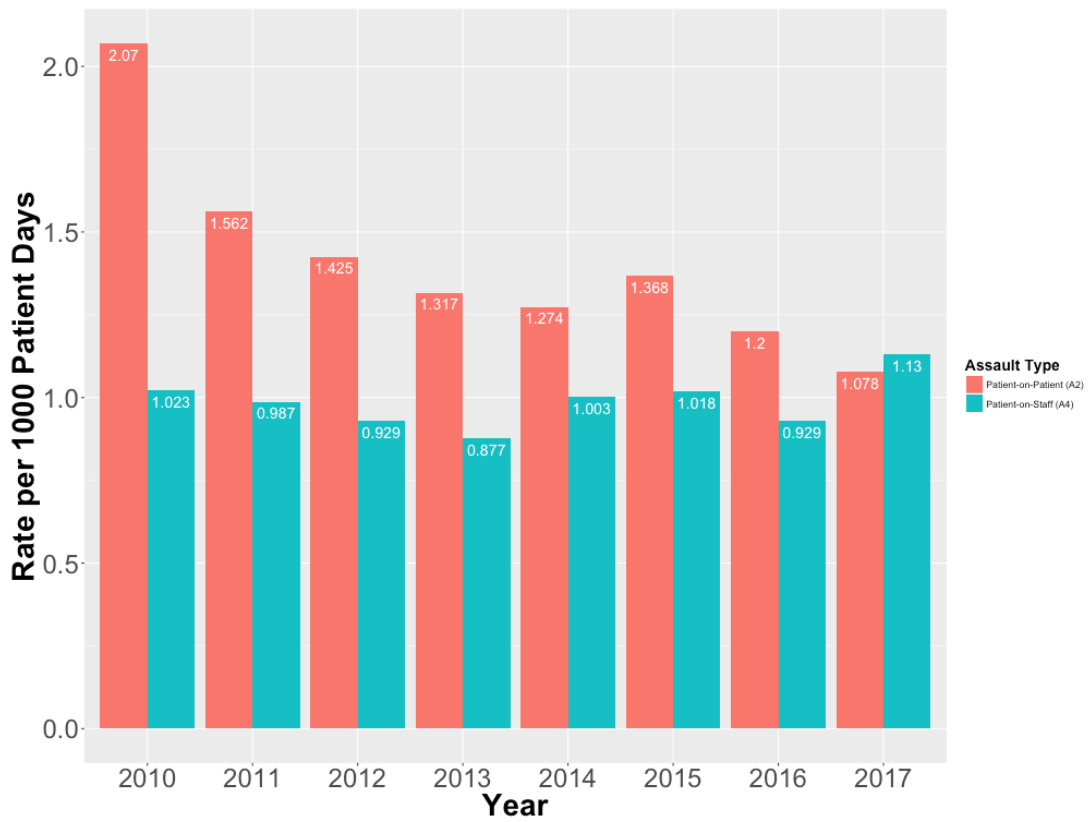**Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Patton**

Table III.57
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	574959	2.07	NA
2011	882	564601	1.562	-24.5
2012	815	571765	1.425	-8.8
2013	751	570062	1.317	-7.6
2014	723	567459	1.274	-3.3
2015	775	566620	1.368	7.4
2016	686	571873	1.2	-12.3
2017	609	564779	1.078	-10.2

Table III.58
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	574959	1.023	NA
2011	557	564601	0.987	-3.5
2012	531	571765	0.929	-5.9
2013	500	570062	0.877	-5.6
2014	569	567459	1.003	14.4
2015	577	566620	1.018	1.5
2016	531	571873	0.929	-8.7
2017	638	564779	1.13	21.6

Note: Increase in reported A4 assaults likely due to changes in coding that promoted greater consistency with DSH

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

Figure III.68
Yearly Rates of Violent Incidents, per 1000 Patient Days, at DSH-Patton
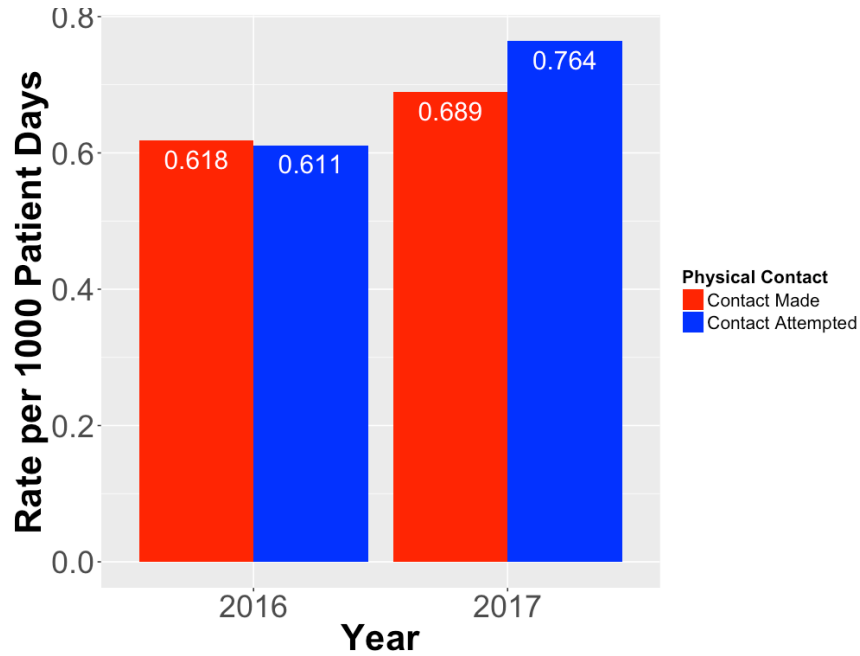
Table III.59
DSH – Patton Staff Assaults – Physical Contact Made and Contact Attempted

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

Monthly Rates

The previous barplot showing the violence rates as an overall yearly average does not show the monthly variability in the rates that occurs regularly. Two figures are shown, the first being a plot of the violence rates on a monthly basis, and the second 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).

Figure III.69
DSH-Patton Monthly Rates of Violence per 1000 Patient Days
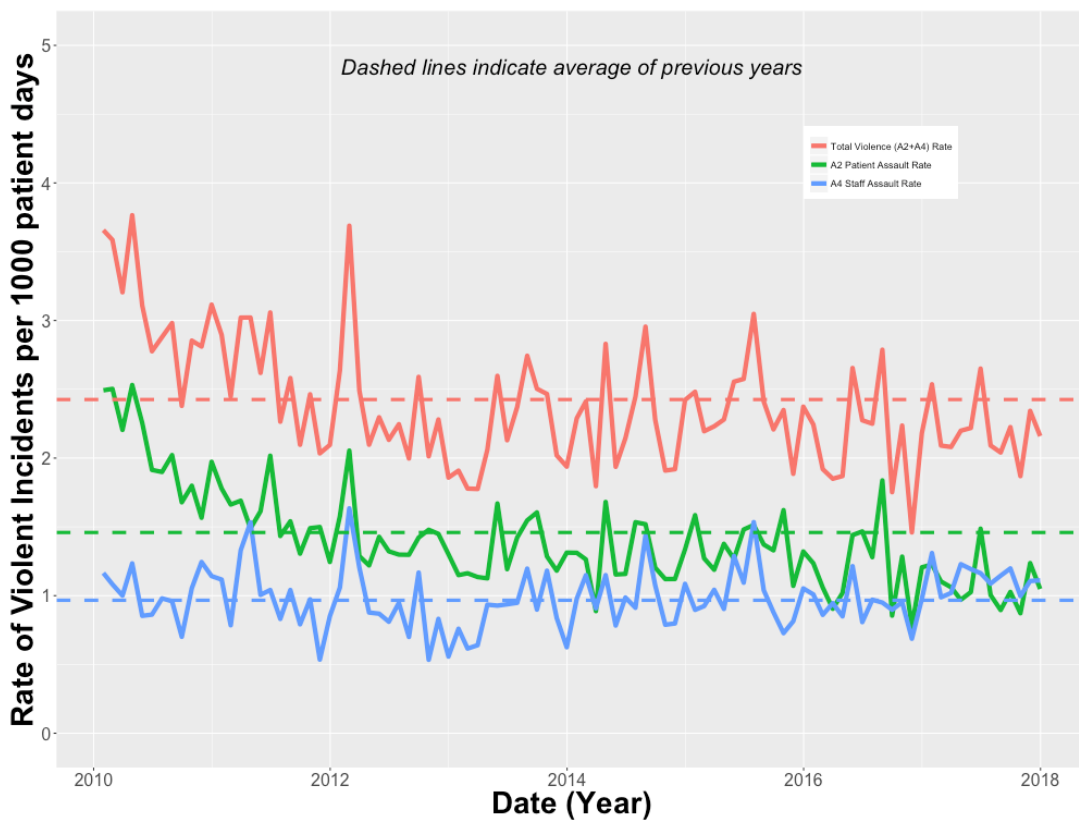
Trend of Monthly Rates

Figure III.70
DSH-Patton Trends of Monthly Rates of Violence per 1000 Patient Days
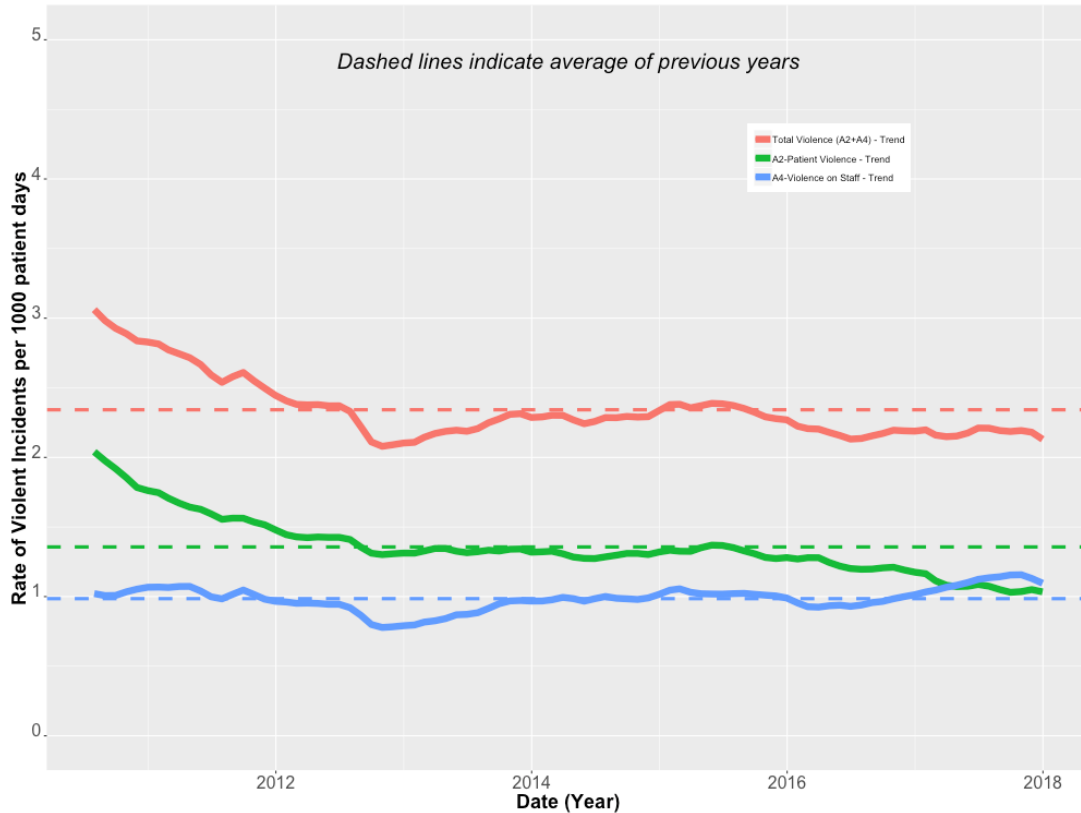
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

Figure III.70 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 (2010-2016) average rate for each category, for comparison with 2017.

Table III.61 provides a yearly summary of the year-over-year changes in the assault rates.

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 2017 to 2016, whether an increase or decrease was seen in violence (patient or staff) at DSH-Patton across legal classes.

Table III.60
Comparison of overall 2017 Violence Rates to 2016 Rates

LEGAL CLASS	PATIENT-ON-PATIENT VIOLENCE	PATIENT-ON-STAFF VIOLENCE
IST	Decrease	Increased
LPS	Increased	Increased
MDO	Decreased	Decreased
NGRI	Decreased	Decreased

Note: Comparisons based on average of monthly rates for that year. See following tables for each legal class.

Table III.61
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	1.305	0.792	2.097
10/31/11	1.490	0.973	2.463
11/30/11	1.499	0.535	2.034
12/31/11	1.245	0.851	2.096
1/31/12	1.579	1.059	2.638
2/29/12	2.054	1.635	3.689
3/31/12	1.287	1.204	2.492
4/30/12	1.220	0.877	2.097
5/31/12	1.427	0.869	2.296
6/30/12	1.322	0.810	2.133
7/31/12	1.298	0.948	2.246
8/31/12	1.297	0.700	1.997
9/30/12	1.422	1.168	2.590

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
10/31/12	1.479	0.534	2.013
11/30/12	1.449	0.831	2.280
12/31/12	1.301	0.557	1.858
1/31/13	1.149	0.759	1.909
2/28/13	1.163	0.616	1.778
3/31/13	1.135	0.640	1.775
4/30/13	1.126	0.935	2.061
5/31/13	1.670	0.928	2.597
6/30/13	1.193	0.937	2.130
7/31/13	1.422	0.948	2.370
8/31/13	1.547	1.196	2.743
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	1.263	1.149	2.412
3/31/14	0.888	0.908	1.796
4/30/14	1.681	1.149	2.830
5/31/14	1.154	0.783	1.937
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	1.909
11/30/14	1.121	0.798	1.919
12/31/14	1.336	1.086	2.422
1/31/15	1.585	0.897	2.482
2/28/15	1.271	0.924	2.195
3/31/15	1.188	1.042	2.231
4/30/15	1.377	0.904	2.280
5/31/15	1.267	1.288	2.555
6/30/15	1.481	1.094	2.575
7/31/15	1.513	1.534	3.048
8/31/15	1.371	1.039	2.410
9/30/15	1.329	0.879	2.208
10/31/15	1.622	0.728	2.349

| DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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
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	1.088	2.092
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

Violence Rates by Major Legal Classes

DSH-Patton IST's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.71
Trends of Monthly Rates of Violence for IST's at DSH-Patton
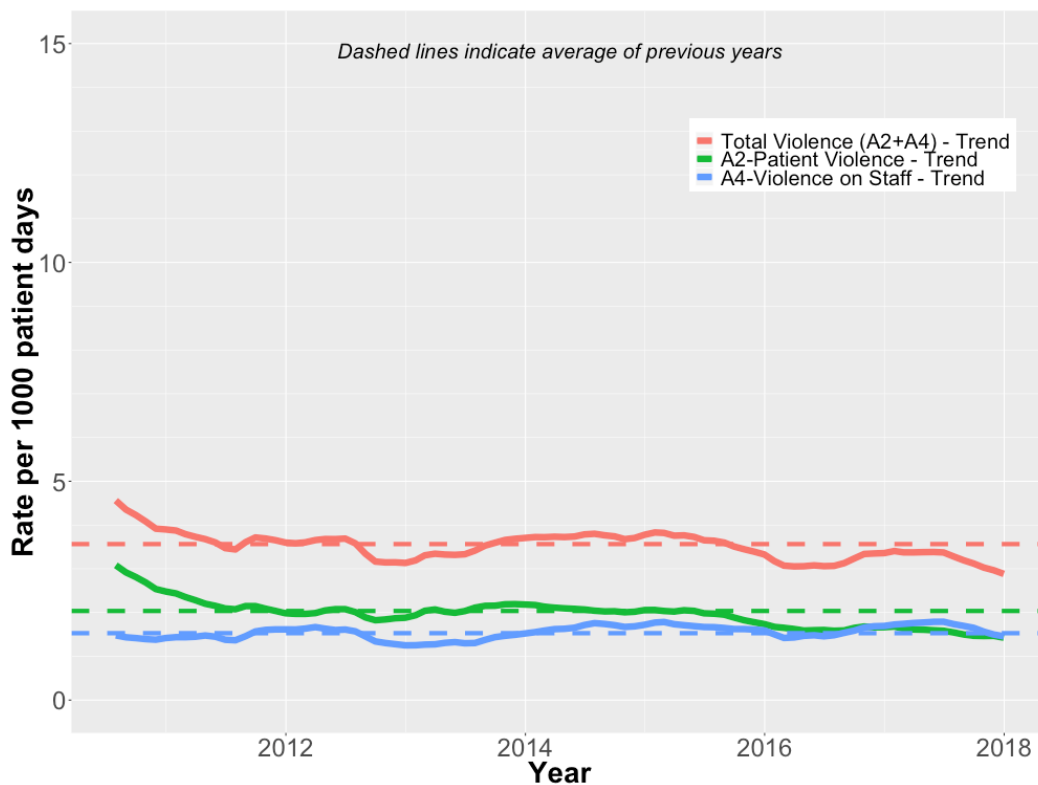
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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).

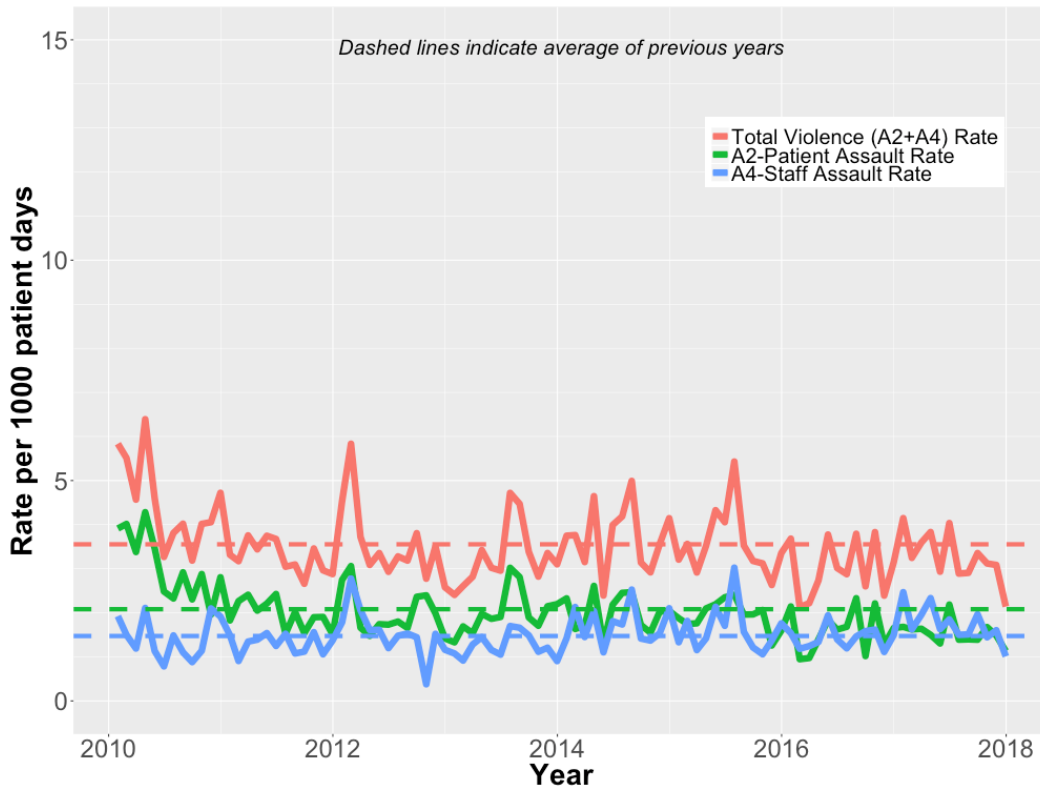**Figure III.72**
Monthly Rates of Violence for IST's at DSH-Patton

Table III.62
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	3.912	1.925	5.837
2/28/10	4.015	1.497	5.512
3/31/10	3.379	1.189	4.568
4/30/10	4.282	2.109	6.391
5/31/10	3.458	1.132	4.589
6/30/10	2.483	0.784	3.267
7/31/10	2.325	1.486	3.811
8/31/10	2.918	1.102	4.020
9/30/10	2.304	0.881	3.185
10/31/10	2.878	1.138	4.016
11/30/10	1.958	2.097	4.055
12/31/10	2.806	1.916	4.722
1/31/11	1.827	1.488	3.315
2/28/11	2.265	0.906	3.171
3/31/11	2.409	1.346	3.755
4/30/11	2.049	1.390	3.439
5/31/11	2.208	1.539	3.747
6/30/11	2.426	1.248	3.674
7/31/11	1.522	1.522	3.045
8/31/11	2.019	1.077	3.095
9/30/11	1.539	1.119	2.658
10/31/11	1.899	1.560	3.459
11/30/11	1.905	1.058	2.963
12/31/11	1.507	1.370	2.878
1/31/12	2.746	1.785	4.530
2/29/12	3.059	2.775	5.834
3/31/12	1.661	2.059	3.720
4/30/12	1.476	1.610	3.086
5/31/12	1.742	1.613	3.354
6/30/12	1.731	1.199	2.930
7/31/12	1.800	1.479	3.279
8/31/12	1.656	1.529	3.185
9/30/12	2.362	1.443	3.806
10/31/12	2.396	0.378	2.774

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
11/30/12	1.985	1.522	3.506
12/31/12	1.418	1.160	2.578
1/31/13	1.329	1.076	2.405
2/28/13	1.691	0.916	2.607
3/31/13	1.537	1.281	2.817
4/30/13	1.975	1.448	3.423
5/31/13	1.863	1.157	3.020
6/30/13	1.905	1.051	2.956
7/31/13	3.021	1.699	4.720
8/31/13	2.811	1.661	4.471
9/30/13	1.892	1.487	3.379
10/31/13	1.706	1.115	2.821
11/30/13	2.148	1.208	3.355
12/31/13	2.196	0.904	3.100
1/31/14	2.327	1.422	3.748
2/28/14	1.633	2.130	3.763
3/31/14	1.702	1.450	3.151
4/30/14	2.609	2.036	4.646
5/31/14	1.288	1.104	2.392
6/30/14	2.183	1.809	3.992
7/31/14	2.452	1.735	4.187
8/31/14	2.466	2.526	4.992
9/30/14	1.723	1.415	3.139
10/31/14	1.548	1.370	2.918
11/30/14	2.025	1.534	3.559
12/31/14	2.042	2.102	4.145
1/31/15	1.876	1.331	3.207
2/28/15	1.747	1.815	3.562
3/31/15	1.761	1.154	2.914
4/30/15	2.099	1.420	3.518
5/31/15	2.193	2.135	4.328
6/30/15	2.351	1.704	4.055
7/31/15	2.407	3.023	5.431
8/31/15	1.959	1.567	3.526
9/30/15	1.963	1.213	3.176
10/31/15	2.062	1.059	3.121
11/30/15	1.258	1.372	2.630
12/31/15	1.595	1.760	3.355

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
1/31/16	2.143	1.538	3.681
2/29/16	0.946	1.183	2.129
3/31/16	0.974	1.244	2.218
4/30/16	1.395	1.339	2.735
5/31/16	1.833	1.941	3.775
6/30/16	1.619	1.396	3.014
7/31/16	1.682	1.194	2.876
8/31/16	2.330	1.463	3.793
9/30/16	1.018	1.583	2.600
10/31/16	2.212	1.618	3.830
11/30/16	1.278	1.111	2.389
12/31/16	1.653	1.493	3.147
1/31/17	1.680	2.467	4.147
2/28/17	1.623	1.623	3.246
3/31/17	1.638	1.955	3.594
4/30/17	1.499	2.332	3.832
5/31/17	1.303	1.629	2.932
6/30/17	2.186	1.849	4.035
7/31/17	1.389	1.500	2.889
8/31/17	1.397	1.509	2.906
9/30/17	1.388	1.967	3.355
10/31/17	1.675	1.444	3.119
11/30/17	1.481	1.604	3.085
12/31/17	1.129	1.010	2.139

DSH-Patton LPS's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.73
Trends of Monthly Rates of Violence for LPS's at DSH-Patton
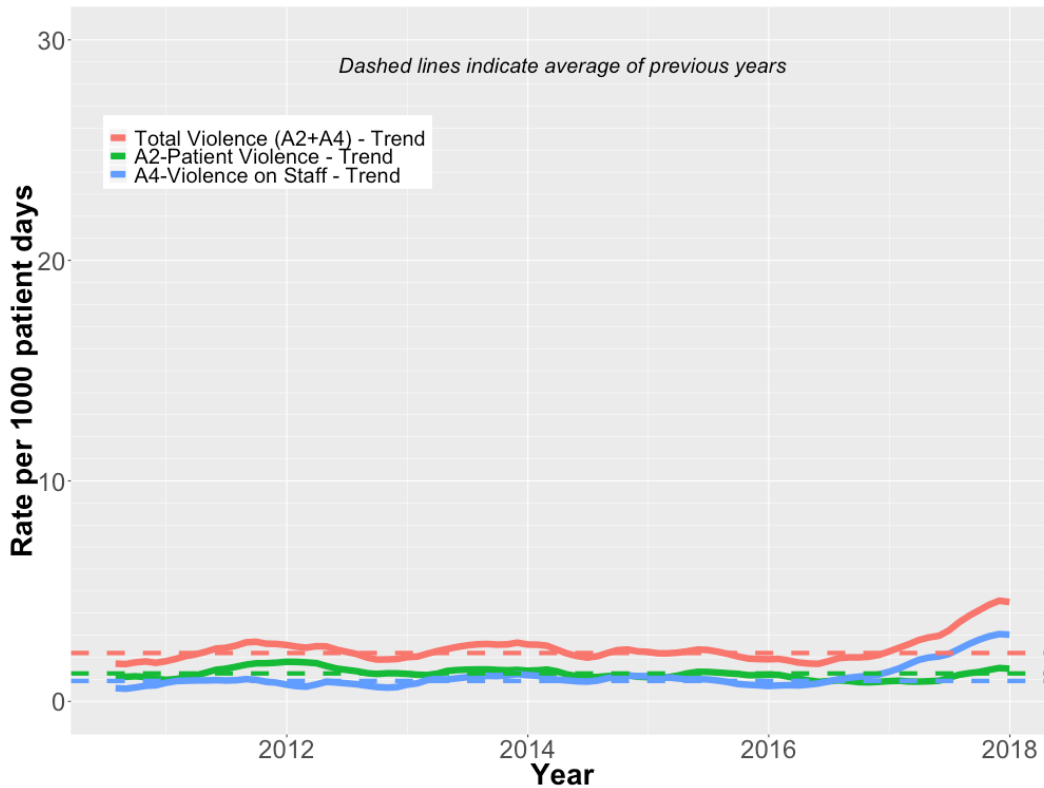
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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).

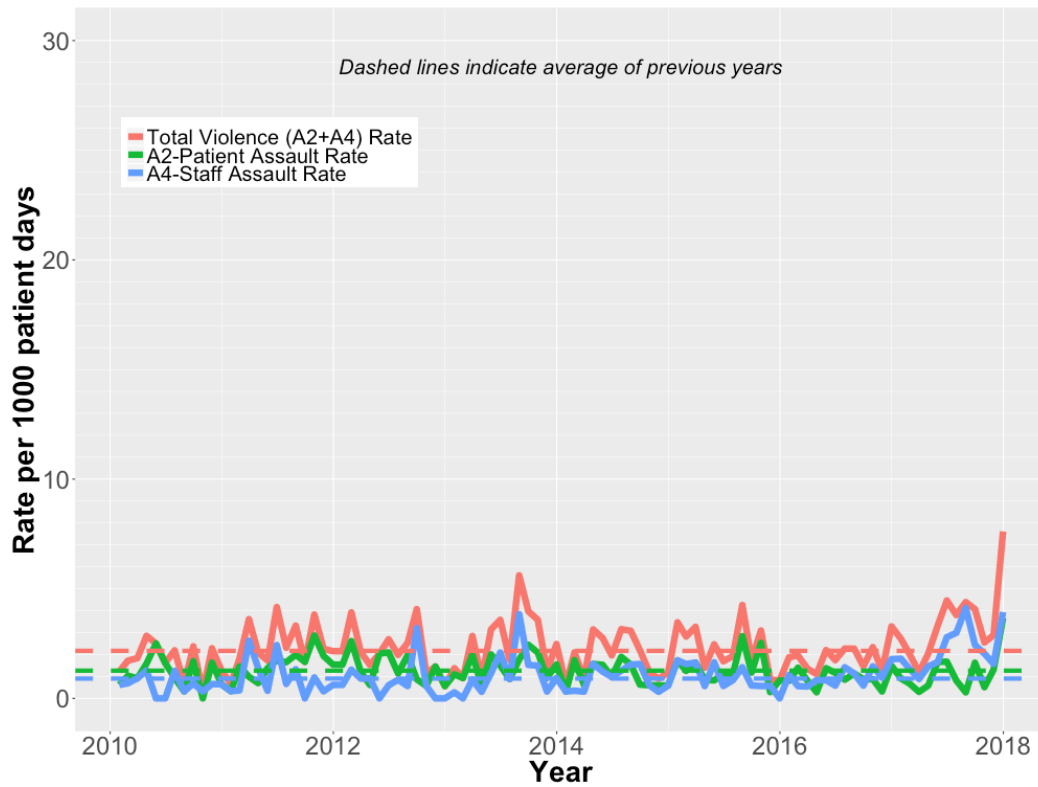**Figure III.74**
Monthly Rates of Violence for LPS's at DSH-Patton

Table III.63
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	0.916	0.916	1.832
4/30/10	1.585	1.268	2.853
5/31/10	2.500	0.000	2.500
6/30/10	1.612	0.000	1.612
7/31/10	0.939	1.252	2.190
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	1.631	0.653	2.284
12/31/10	0.641	0.641	1.282
1/31/11	0.329	0.329	0.657
2/28/11	1.452	0.363	1.816
3/31/11	0.985	2.626	3.611
4/30/11	0.696	1.393	2.089
5/31/11	1.381	0.345	1.727
6/30/11	1.735	2.429	4.164
7/31/11	1.650	0.660	2.310
8/31/11	1.991	1.327	3.318
9/30/11	1.665	0.000	1.665
10/31/11	2.867	0.956	3.823
11/30/11	1.934	0.322	2.257
12/31/11	1.539	0.616	2.155
1/31/12	1.535	0.614	2.149
2/29/12	2.614	1.307	3.922
3/31/12	1.203	0.902	2.105
4/30/12	0.609	0.913	1.522
5/31/12	2.044	0.000	2.044
6/30/12	2.096	0.599	2.695
7/31/12	1.133	0.850	1.983
8/31/12	1.966	0.562	2.528
9/30/12	0.872	3.198	4.070
10/31/12	0.570	0.570	1.141

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
11/30/12	1.452	0.000	1.452
12/31/12	0.558	0.000	0.558
1/31/13	1.099	0.275	1.374
2/28/13	0.926	0.000	0.926
3/31/13	1.992	0.854	2.846
4/30/13	0.599	0.299	0.898
5/31/13	2.002	1.144	3.146
6/30/13	1.492	2.089	3.581
7/31/13	0.881	0.881	1.762
8/31/13	1.771	3.838	5.610
9/30/13	2.443	1.527	3.971
10/31/13	2.091	1.493	3.584
11/30/13	0.939	0.313	1.252
12/31/13	1.548	0.929	2.478
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	1.571	3.143
5/31/14	1.529	1.223	2.752
6/30/14	0.980	0.980	1.960
7/31/14	1.893	1.262	3.156
8/31/14	1.541	1.541	3.082
9/30/14	0.627	1.567	2.194
10/31/14	0.594	0.594	1.187
11/30/14	0.599	0.300	0.899
12/31/14	0.580	0.580	1.160
1/31/15	1.734	1.734	3.468
2/28/15	1.254	1.567	2.820
3/31/15	1.631	1.631	3.263
4/30/15	0.842	0.561	1.403
5/31/15	0.821	1.643	2.464
6/30/15	1.129	0.564	1.693
7/31/15	1.102	0.826	1.928
8/31/15	2.838	1.419	4.257
9/30/15	1.174	0.587	1.762
10/31/15	2.532	0.563	3.095
11/30/15	0.285	0.571	0.856

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
12/31/15	0.817	0.000	0.817
1/31/16	0.803	1.071	1.874
2/29/16	1.397	0.559	1.956
3/31/16	0.812	0.541	1.353
4/30/16	0.277	0.832	1.110
5/31/16	1.376	0.826	2.201
6/30/16	1.163	0.581	1.744
7/31/16	0.851	1.418	2.269
8/31/16	1.133	1.133	2.266
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	1.790	3.282
1/31/17	0.904	1.807	2.711
2/28/17	0.675	1.349	2.024
3/31/17	0.296	0.887	1.183
4/30/17	0.582	1.455	2.037
5/31/17	1.658	1.658	3.316
6/30/17	1.674	2.790	4.464
7/31/17	0.815	2.987	3.801
8/31/17	0.274	4.117	4.392
9/30/17	1.627	2.440	4.067
10/31/17	0.511	2.042	2.553
11/30/17	1.311	1.573	2.883
12/31/17	3.676	3.938	7.614

DSH-Patton MDO's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.75
Trends of Monthly Rates of Violence for MDO's at DSH-Patton
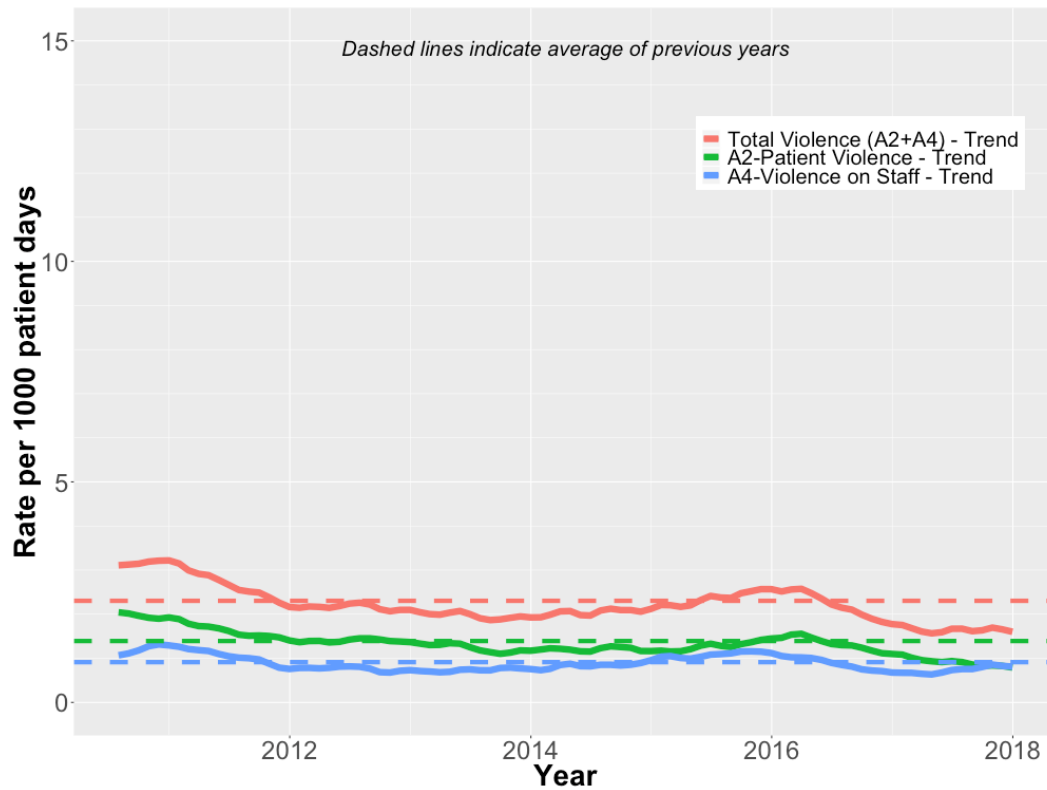
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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).

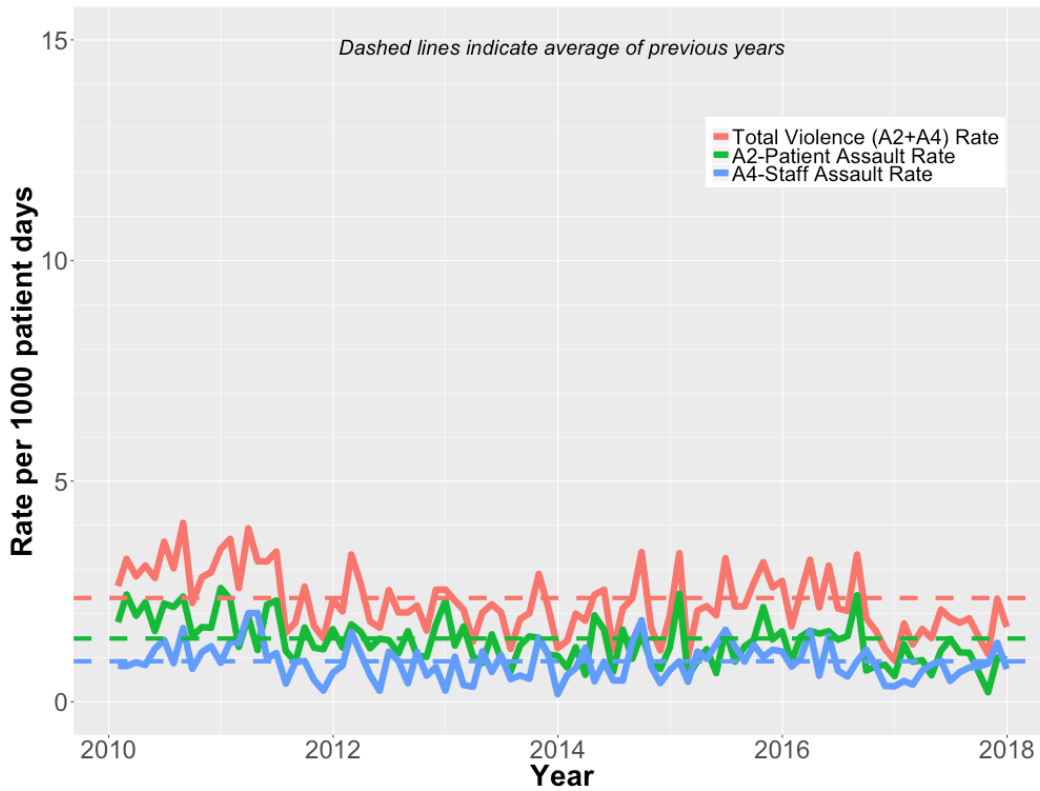**Figure III.76**
Monthly Rates of Violence for MDO's at DSH-Patton

Table III.64
DSH-Patton MDO 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	1.802	0.819	2.622
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	2.226	1.402	3.628
7/31/10	2.151	0.876	3.027
8/31/10	2.384	1.669	4.052
9/30/10	1.492	0.746	2.239
10/31/10	1.693	1.129	2.822
11/30/10	1.678	1.259	2.937
12/31/10	2.579	0.886	3.465
1/31/11	2.327	1.364	3.691
2/28/11	1.245	1.334	2.579
3/31/11	1.925	2.005	3.929
4/30/11	1.174	2.012	3.186
5/31/11	2.203	0.979	3.182
6/30/11	2.296	1.105	3.401
7/31/11	1.154	0.412	1.566
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	1.583	1.083	2.666
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	1.019	0.595	1.614

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
11/30/12	1.750	0.787	2.537
12/31/12	2.290	0.254	2.544
1/31/13	1.275	1.020	2.296
2/28/13	1.706	0.379	2.085
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	1.232	0.719	1.951
1/31/15	2.447	0.918	3.365
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	0.910	1.251	2.162
8/31/15	1.253	0.912	2.165
9/30/15	1.406	1.289	2.694
10/31/15	2.146	1.017	3.163
11/30/15	1.415	1.180	2.595
12/31/15	1.598	1.141	2.739

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 PATIENT-ON-STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
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	1.488	0.572	2.061
8/31/16	2.415	0.920	3.334
9/30/16	0.709	1.181	1.890
10/31/16	0.806	0.806	1.612
11/30/16	0.839	0.359	1.198
12/31/16	0.584	0.351	0.935
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	1.161	0.929	2.089
6/30/17	1.424	0.475	1.899
7/31/17	1.121	0.672	1.793
8/31/17	1.111	0.778	1.889
9/30/17	0.683	0.797	1.480
10/31/17	0.217	0.866	1.083
11/30/17	1.002	1.336	2.337
12/31/17	0.954	0.742	1.696

DSH-Patton NGRI's

Monthly Trend

The monthly trend is obtained by averaging each month with the six months before and six 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 III.77
Trends of Monthly Rates of Violence for NGRI's at DSH-Patton
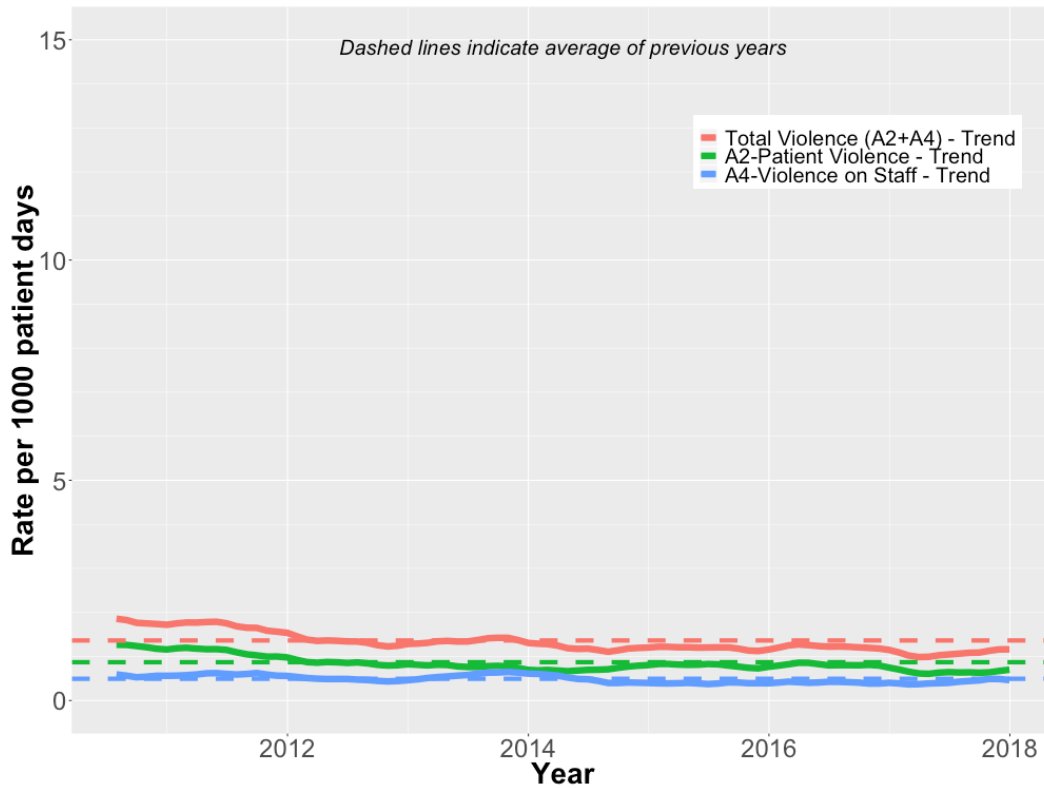
Note: For completeness (and to align with the Monthly Rate graphs, which shows data through December 31st, 2017) this graph was constructed using data through June 30th, 2018. For further information, see the appendix Further Details of Methodology

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).

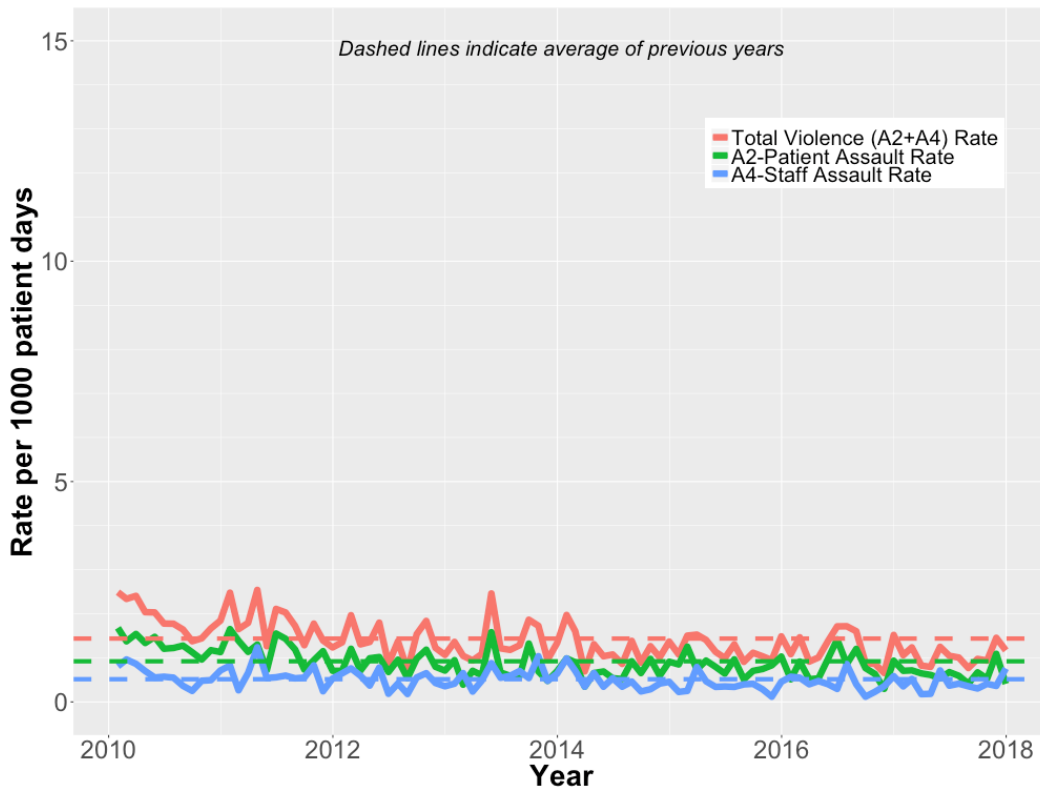**Figure III.78**
Monthly Rates of Violence for NGRI's at DSH-Patton

Table III.65
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	1.681	0.809	2.490
2/28/10	1.376	0.963	2.338
3/31/10	1.542	0.863	2.405
4/30/10	1.337	0.700	2.037
5/31/10	1.476	0.554	2.030
6/30/10	1.207	0.572	1.778
7/31/10	1.223	0.550	1.774
8/31/10	1.278	0.365	1.643
9/30/10	1.127	0.250	1.377
10/31/10	0.962	0.481	1.443
11/30/10	1.174	0.494	1.668
12/31/10	1.131	0.714	1.845
1/31/11	1.652	0.826	2.477
2/28/11	1.387	0.264	1.652
3/31/11	1.136	0.658	1.794
4/30/11	1.301	1.239	2.540
5/31/11	0.723	0.542	1.265
6/30/11	1.551	0.558	2.110
7/31/11	1.433	0.597	2.030
8/31/11	1.190	0.536	1.726
9/30/11	0.735	0.552	1.287
10/31/11	0.947	0.828	1.775
11/30/11	1.151	0.242	1.394
12/31/11	0.707	0.530	1.237
1/31/12	0.705	0.646	1.352
2/29/12	1.205	0.761	1.967
3/31/12	0.712	0.594	1.306
4/30/12	0.990	0.371	1.361
5/31/12	1.018	0.779	1.797
6/30/12	0.679	0.185	0.865
7/31/12	0.957	0.419	1.376
8/31/12	0.540	0.180	0.720
9/30/12	0.985	0.554	1.538
10/31/12	1.185	0.652	1.837

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
11/30/12	0.797	0.429	1.227
12/31/12	0.711	0.355	1.066
1/31/13	0.947	0.414	1.362
2/28/13	0.392	0.653	1.045
3/31/13	0.706	0.235	0.942
4/30/13	0.604	0.484	1.088
5/31/13	1.582	0.879	2.460
6/30/13	0.669	0.547	1.216
7/31/13	0.591	0.591	1.181
8/31/13	0.584	0.701	1.285
9/30/13	1.323	0.541	1.864
10/31/13	0.691	1.037	1.728
11/30/13	0.478	0.478	0.956
12/31/13	0.697	0.639	1.337
1/31/14	0.986	0.986	1.972
2/28/14	0.899	0.706	1.606
3/31/14	0.347	0.347	0.694
4/30/14	0.654	0.654	1.308
5/31/14	0.691	0.345	1.036
6/30/14	0.538	0.538	1.076
7/31/14	0.518	0.345	0.863
8/31/14	0.923	0.461	1.384
9/30/14	0.655	0.238	0.893
10/31/14	0.977	0.287	1.264
11/30/14	0.595	0.416	1.011
12/31/14	0.912	0.456	1.368
1/31/15	0.850	0.227	1.077
2/28/15	1.253	0.251	1.503
3/31/15	0.735	0.792	1.527
4/30/15	0.938	0.469	1.407
5/31/15	0.796	0.341	1.137
6/30/15	0.643	0.351	0.994
7/31/15	0.965	0.341	1.306
8/31/15	0.512	0.398	0.910
9/30/15	0.704	0.411	1.115
10/31/15	0.747	0.287	1.034
11/30/15	0.830	0.119	0.949

DATE	A2 PATIENT-ON-PATIENT ASSAULT RATE	A4 STAFF ASSAULT RATE	TOTAL VIOLENCE (A2+A4) RATE
12/31/15	1.029	0.457	1.487
1/31/16	0.514	0.571	1.084
2/29/16	0.916	0.549	1.465
3/31/16	0.515	0.401	0.916
4/30/16	0.534	0.474	1.008
5/31/16	0.978	0.403	1.380
6/30/16	1.418	0.296	1.714
7/31/16	0.858	0.858	1.717
8/31/16	1.202	0.401	1.603
9/30/16	0.767	0.118	0.885
10/31/16	0.633	0.230	0.863
11/30/16	0.298	0.358	0.655
12/31/16	0.935	0.584	1.519
1/31/17	0.706	0.353	1.060
2/28/17	0.716	0.521	1.237
3/31/17	0.647	0.177	0.824
4/30/17	0.612	0.184	0.796
5/31/17	0.535	0.714	1.249
6/30/17	0.677	0.369	1.046
7/31/17	0.592	0.414	1.006
8/31/17	0.414	0.355	0.770
9/30/17	0.671	0.305	0.975
10/31/17	0.528	0.410	0.938
11/30/17	1.090	0.363	1.454
12/31/17	0.409	0.760	1.169

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-Day Post Certification

OVERALL COMMITMENT/ CENSUS GROUP	LEGAL CLASS TEXT	LEGAL CODE SECTION	DESCRIPTION
	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
MDO (PC 2962/2964a)	MDO PC2962	PC 2962	Parolee Referred from the Department of Corrections
	PC2964a	PC 2964(a)	Parolee Rehospitalized from Conrep after DMH hearing
MDO (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

Brief Description of General Methodology

- Data for violent incidents from January 1, 2010 through December 31, 2017 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., DSH 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.

Further Details of Methodology

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 and stock market data), 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 DSH has to use data that runs six months ahead of the monthly data when DSH wants to present data in trend graphs that end on the same date.

-END OF REPORT-