

Pretrial Risk Assessment Tool Validation

PRETRIAL PILOT PROGRAM

COUNTY OF VENTURA

JULY 2021



JUDICIAL COUNCIL
OF CALIFORNIA

OPERATIONS AND PROGRAMS DIVISION
CRIMINAL JUSTICE SERVICES

VENTURA ORAS VALIDATION INTRODUCTION

LEGISLATIVE MANDATE

This report fulfills the legislative mandates of the Budget Act of 2019 (Assem. Bill 74; Stats. 2019, ch. 23), and Senate Bill 36 (Stats. 2019, ch. 589). In AB 74, the Legislature directed the Judicial Council to administer pretrial projects in the trial courts. The goals of the Pretrial Pilot Program, as set by the Legislature, are to:

- Increase the safe and efficient prearrestment and pretrial release of individuals booked into jail;
- Implement monitoring practices with the least restrictive interventions necessary to enhance public safety and return to court;
- Expand the use and validation of pretrial risk assessment tools that make their factors, weights, and studies publicly available; and
- Assess any disparate impact or bias that may result from the implementation of these programs.

SB 36 requires each pretrial services agency that uses a pretrial risk assessment tool to validate the risk assessment tool used by the agency by July 1, 2021, and on a regular basis thereafter, and to make specified information regarding the tool, including validation studies, publicly available.

AB 74 provided funding to the Judicial Council “for costs associated with implementing and evaluating the Pretrial Pilot Program, including, but not limited to “...(e) Assisting the pilot courts in validating their risk assessment tools.” This report, in accordance with [AB 74](#) and [SB 36](#), provides information on the validation of the ORAS pretrial risk assessment tool used by Ventura.

SB 36 requires pretrial risk assessment tools to be validated. SB 36 defines “validate” as follows:

“Validate” means using scientifically accepted methods to measure both of the following:

(A) The accuracy and reliability of the risk assessment tool in assessing (i) the risk that an assessed person will fail to appear in court as required and (ii) the risk to public safety due to the commission of a new criminal offense if the person is released before the adjudication of the current criminal offense for which they have been charged.

(B) Any disparate effect or bias in the risk assessment tool based on Gender, Race, or ethnicity.

(Sen. Bill 36, § 1320.35(b)(4).)

VALIDATION METHODS

Descriptive statistics are presented, exploring basic features of the data such as demographics and showing the overall distributions of arrest offenses and adverse outcomes. The distributions of risk scores are shown in groupings of risk level defined by the tool developer.

A Receiver Operating Characteristic (ROC) curve model has been used to provide the Area Under the Curve (AUC) statistic for each outcome of interest. The outcomes of interest are:

- Failure to appear (FTA)
- New arrest
- New filing
- New conviction
- New violent arrest
- FTA or new arrest (composite measure)

The AUC value is a single number that represents the ability of the tool to differentiate between individuals who are lower or higher risk across the range of the tool.

For criminal justice risk assessments, a common metric for evaluating AUC values is derived from Demarais and Singh (2013)¹, who defined AUC values less than 0.55 as poor, 0.55-0.63 as fair, 0.64-0.70 as good, and 0.71-1.00 as excellent.

The observed rate of adverse outcomes at each score is presented. The pattern of these rates is an indicator of the accuracy of the tool, showing whether risk scores predict monotonic increasing failure rates for each outcome of interest.

Logistic regression is used to test whether risk scores statistically significantly predict the likelihood of each outcome of interest, and whether any differences in outcomes by risk level across gender or race/ethnicity are statistically significant. Statistical significance is a technical term used in analyses to indicate that it is very unlikely that a result or difference occurred by chance. Statistical significance does not necessarily indicate the size of the result or difference.

The risk scores presented in this report are calculated using a scoring scheme designed by the tool developers. The tool takes into account aspects of an individual's criminal history, current criminal offense, history of failures to appear in court, age, and other factors (see Appendix A for the factors and weights specific to the ORAS). Gender and race are not used to calculate risk scores.

This report analyzes risk scores and associated outcomes for individuals who were released from custody pretrial. Individuals may have been released in a variety of ways by a Sheriff or judge, including on bail. This report does not look at judicial decision-making or judges' use of the risk assessment tool.

Further research is needed to analyze the elements that may be driving the observed differences and whether there are data-driven modifications to the tool's risk factors or weights that can further improve the predictive power of the tool.

¹ Desmarais, S. L., & Singh, J. P. (2013). Risk assessment instruments validated and implemented in correctional settings in the United States. *Lexington, KY: Council of State Governments.*

DEFINITIONS

- **Pretrial period** is the time period starting at booking of an individual at the jail and ending at resolution of any and all cases associated with that booking.
- **Failure to appear** (FTA) is measured using court records documenting issuance of a bench warrant for FTA during the pretrial period.
- **New arrest**² is any new arrest during the pretrial period reported to the California Department of Justice (CA DOJ).
- **New filing** is any new arrest during the pretrial period that results in charges filed with the court and reported to the CA DOJ.³
- **New conviction** is any new arrest during the pretrial period that results in a conviction reported to the CA DOJ during the data collection period.⁴
- **New violent arrest** is any new arrest during the pretrial period for an offense on the list of PSA Pretrial Pilot consensus violent offense list, which includes felonies and misdemeanors of a violent nature. For the full list of offenses see Appendix B.
- **FTA or new arrest** is a combined measure indicating an occurrence of an FTA, a new arrest, or both.

VALIDATION SAMPLE SIZES

For purposes of this report, general validation results are shown when the sample size was greater than 200. For analyses of predictive bias by race/ethnicity and gender, subgroup results are shown when the overall sample was at least 1,000 and each subgroup size was greater than 200. Sample sizes smaller than these may not produce reliable results. Ventura's sample size was sufficient for general validation results, but was too small for analyses of predictive bias by race/ethnicity and gender.

DATA DESCRIPTION AND LIMITATIONS

The data set for the pretrial risk assessment tool validation was created using data from the court and two agencies in the county, as well as statewide data from the California Department of Justice.

The risk scores presented in this report are calculated using a scoring scheme designed by the tool developer. The tool takes into account aspects of an individual's criminal history, current criminal offense, history of failures to appear in court, and other factors. Gender and race are not used in any of the tools to calculate risk scores.

² New criminal offenses are defined in four ways to capture different outcomes of interest. All new criminal offense indicators are measured using data from the California Department of Justice (CA DOJ).

³ CA DOJ records on arrests are likely more complete than CA DOJ records on court filings and dispositions. Court reporting to the CA DOJ is incomplete.

⁴ Because of the short timeframe of the data collection period and delays in court reporting to the CA DOJ, new convictions may not be a complete measure of all arrests during the pretrial period that result in a conviction.

This report solely analyzes risk scores and associated outcomes for individuals who were released pretrial. Individuals may have been released by the Sheriff, by a judge, or on bail. This report does not look at judicial decision-making or judges’ use of the tools.

DATA SOURCES

- **Jail booking data:** Ventura sheriff’s office provided information on all individuals booked into local county jail, including booking dates, charges, and releases.
- **Probation data:** Ventura probation department performed pretrial assessment services and provided pretrial risk assessment information, including assessment dates, scores, and recommendation for those assessed.
- **Court case data:** Ventura superior court provided court case information, including pretrial disposition dates and the issuance of warrants for failures to appear for those with felony or misdemeanor criminal filings.
- **California Department of Justice Data (CA DOJ) data:** The California Department of Justice provided arrest and disposition data, including out-of-county filings, for booked defendants.

DATE RANGE

The time period for this validation extends from October 13, 2019 to December 31, 2020.

DATA LINKING AND FILTERING

After data were collected from each source, they were standardized and linked together to create a validation dataset of bookings with associated pretrial risk assessment information, relevant court case information, and outcomes during the pretrial period. Local justice agencies keep separate data systems, and not all data were able to be matched across agencies. The only bookings included in the validation dataset were those for which the individual was released pretrial and there was a final disposition associated with the booking because outcomes during the pretrial period were a primary interest of this analysis and also so that the full pretrial period could be observed. This report refers to each booking linked with an associated assessment and completed pretrial period as a “pretrial observation.”

The table below shows the number of assessments at each stage of filtering, and the type of validation that will be presented based on the sample size.

Table A - Counts of all assessments at each stage of filtration for evaluation sample

Tool Name	County	Assessments	Assessed Bookings	Pretrial Complete	Released Pretrial	Validation Type
ORAS	Ventura	3,747	3,081	1,624	725	General Only

DESCRIPTIVE STATISTICS

DEMOGRAPHICS

Table B provides the number of assessments in the evaluation dataset, the racial/ethnic and gender makeup, and the median age. The evaluation sample was majority Hispanic (59%), and a smaller share white (33%), and Black (6%). The evaluation sample was predominantly male (77%)⁵, and the median age was 31.

Table B - Demographic Profile of Evaluation Dataset

County	Total	Race/Ethnicity (%)				Gender (%)		Median Age
		Black	White	Hispanic	Other	Male	Female	
Ventura	735	6	33	59	2	77	23	31

ARREST OFFENSES

Felony arrests represented the majority of bookings (82%); misdemeanor arrests were a smaller share (18%). Violent offenses⁶ represented 33% of bookings in the dataset, while property offenses were 21% and drug offenses 20% of bookings in the dataset. DUI offenses represented 5% of bookings, while DV offenses made up 38% of bookings in the evaluation dataset.

Table C - Distribution of Arrest Offense Type

County	Felony	Misdemeanor	Violent	Property	Drug	DUI	DV
Ventura	82	18	33	21	20	5	38

ADVERSE OUTCOMES

Several different adverse outcomes are measured during the pretrial period from pretrial release to disposition. Failure to appear (FTA), measured as bench warrants issued for FTA during the pretrial period, were recorded for 18% of pretrial observations. New arrests during the pretrial period were recorded for 34.3% of pretrial observations. New arrests during the pretrial period resulting in filed charges were recorded for 13.2% of pretrial observations, and new arrests during the pretrial period

⁵ Non-binary, other, and unknown genders represented less than 0.1% of the bookings in the evaluation dataset.

⁶ Violent offenses as defined by the pilot consensus PSA Violent Offense List, see Appendix B. These include both felonies and misdemeanors that are violent in nature.

resulting in convictions were recorded for 11.3% of pretrial observations.⁷ New violent arrests⁸ (including felony and misdemeanor arrests for offenses of a violent nature) were recorded during the pretrial period for 9.1% of pretrial observations.

Table D - Rates of Pretrial Misconduct

County	FTA	New Arrest	New Filing	New Conviction	New Violent Arrest
Ventura	18.0	34.3	13.2	11.3	9.1

CONDITIONS OF MONITORING/SUPERVISION

Data on supervision conditions were collected from the county probation department. However, data quality was low and was therefore not used in the analyses. Supervision conditions may have affected outcomes and may have been applied differentially according to risk score which could confound results. Further research is needed to determine the impact of supervision conditions and to separate out the efficacy of the tools from the efficacy of supervision conditions.

VENTURA ORAS VALIDATION

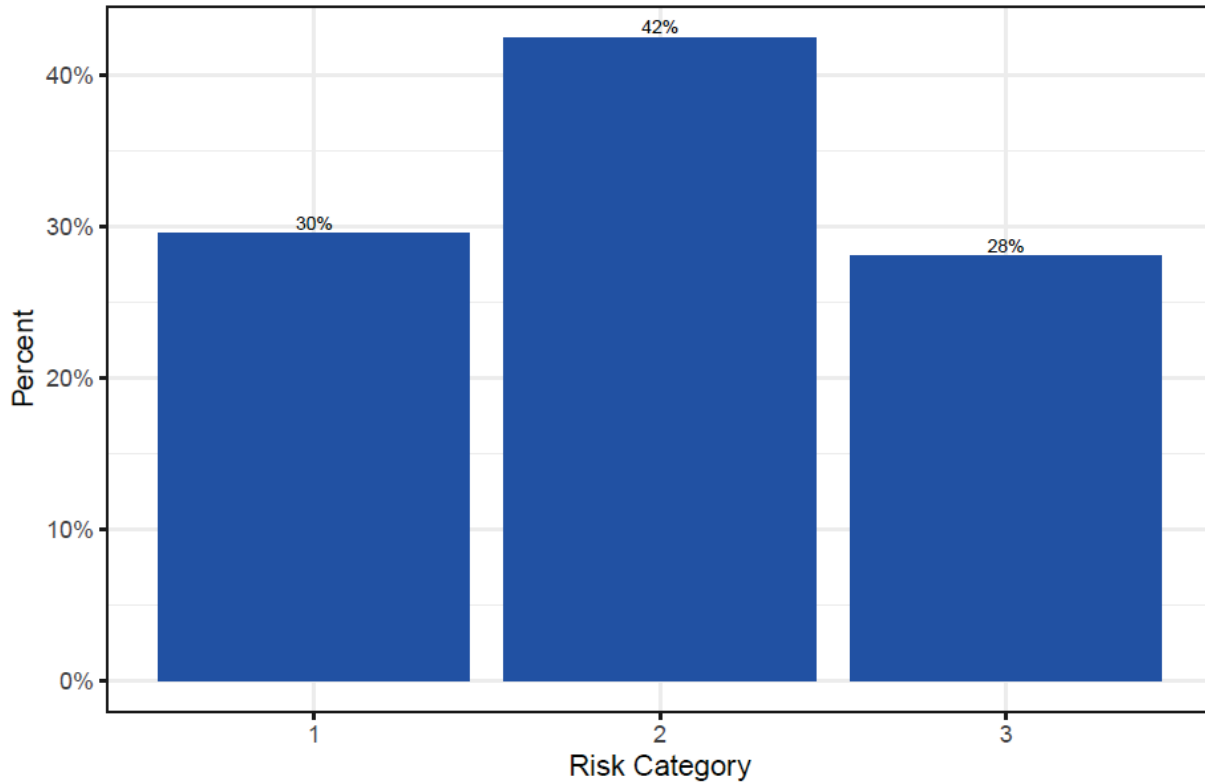
GENERAL VALIDATION

The following chart shows the distribution of risk levels for individuals in the evaluation dataset assessed with the ORAS tool. The ORAS tool developer divided the risk scores into 3 risk levels: the first level includes scores 0-2, the second level includes scores 3-5, and the third level includes scores 6-9. Risk level 2 (scores 3-5) was the most assessed risk level in the evaluation dataset, followed by level 1 (scores 0-2) and level 3 (scores 6-9). The distribution of all assessed individuals may differ from the distribution in the evaluation dataset, because the evaluation dataset only includes released individuals with concluded pretrial periods.

⁷ New arrest, new filing, and new conviction data are measured using CA DOJ data. New arrests and new violent arrests are reported to the CA DOJ from arresting agencies, whereas new filings and new convictions are reported to the CA DOJ from courts. The CA DOJ may have incomplete records of filings and convictions from the courts because of difficulties or delays in reporting, and not all new arrests during the pretrial period may have been resolved during the data collection period.

⁸ New violent arrests are defined by the PSA Violent Offense List (see footnote 6 above)

Ventura Distribution of Assessments by ORAS Risk Category



ORAS Risk Level	Total
1	217
2	312
3	206

The following table shows the AUC value for the ORAS tool, using the 3 established risk levels, for each outcome of interest. The AUC value is a single number that represents the ability of the tool to differentiate between individuals who are lower- or higher-risk across the range of the tool. For criminal justice risk assessments, a common metric for evaluating AUC values is derived from Demarais and Singh (2013)⁹, who defined AUC values less than 0.55 as poor, 0.55-0.63 as fair, 0.64-0.70 as good, and 0.71-1.00 as excellent. By these definitions, the AUC values for the ORAS are excellent for new arrest, new filing, and new conviction, good for FTA and FTA or new arrest, and fair new violent arrest.

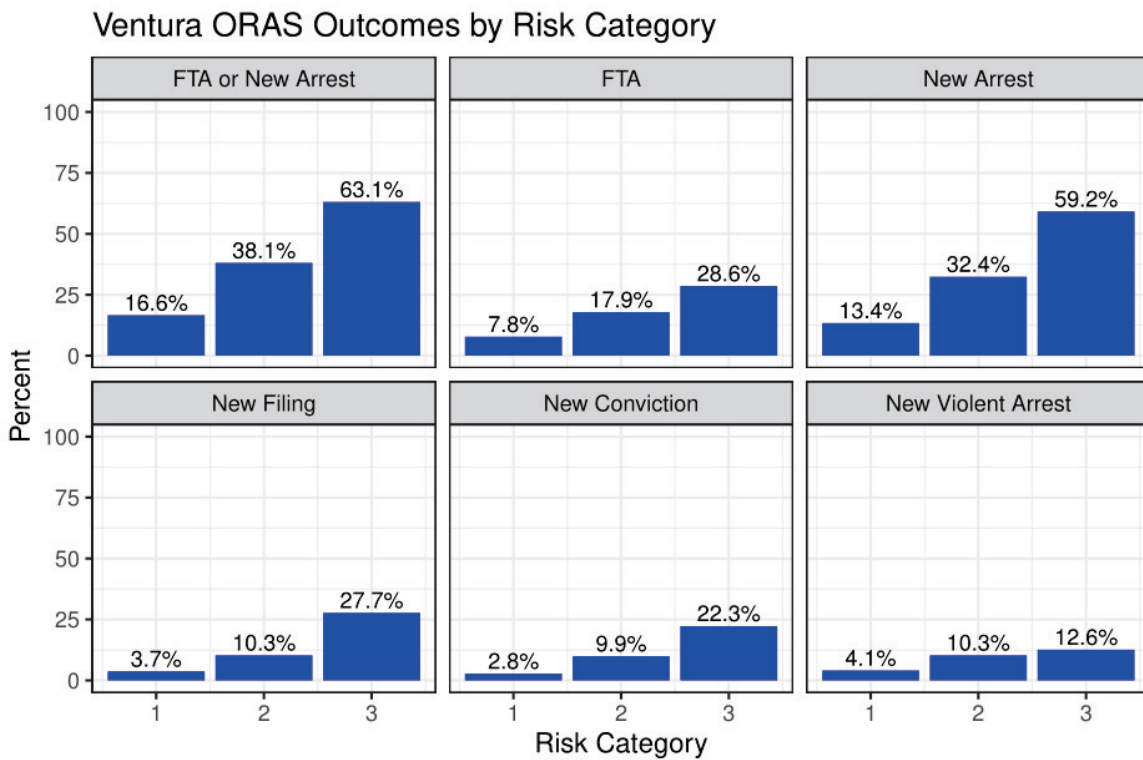
The 95% confidence interval is also shown, which represents the range of AUC estimates the true AUC value is statistically 95% likely to fall between. A smaller range indicates that given the size of the sample and pattern of the data, the AUC can be estimated with greater precision.

⁹ Desmarais, S. L., & Singh, J. P. (2013). Risk assessment instruments validated and implemented in correctional settings in the United States. *Lexington, KY: Council of State Governments.*

Outcome	AUC	CI (95%)
FTA	0.647	0.602-0.692
New Arrest	0.710	0.673-0.747
New Filing	0.727	0.679-0.775
New Conviction	0.717	0.667-0.767
New Violent Arrest	0.608	0.545-0.672
FTA or New Arrest	0.705	0.669-0.74

^a N = 725

The following series of charts shows the rate of various adverse outcomes during the pretrial period at each risk level of the ORAS. For each outcome of interest¹⁰, observed rates of the outcome increase consistently as the assessed risk level increases. The ORAS tool was specifically designed to predict a combination of risk of failure to appear in court and the risk of a new arrest.



¹⁰ See validation methodology section for definitions of each outcome of interest

The following table shows the results from logistic regression models predicting each outcome of interest. The models control for the number of days the defendant spent released during the pretrial period. For each outcome of interest, the models show that the ORAS risk score and the likelihood of that outcome during the pretrial period is statistically significant ($p < 0.01$ for New Violent Arrest and $p < 0.001$ for FTA, New Arrest, New Filing, New Conviction, and FTA or New Arrest).

	<i>Dependent variable:</i>					
	FTA (1)	New Arrest (2)	New Filing (3)	New Conviction (4)	New Violent Arrest (5)	FTA or New Arrest (6)
ORAS Risk Score	0.737*** (0.138)	1.205*** (0.127)	1.201*** (0.177)	1.108*** (0.186)	0.515** (0.177)	1.129*** (0.120)
Days Released	0.003*** (0.001)	0.007*** (0.001)	0.005*** (0.001)	0.006*** (0.001)	0.004*** (0.001)	0.006*** (0.001)
Constant	-3.543*** (0.353)	-4.055*** (0.333)	-5.317*** (0.492)	-5.355*** (0.516)	-3.939*** (0.451)	-3.546*** (0.305)
Observations	735	735	735	735	735	735
Log Likelihood	-322.677	-386.560	-245.286	-223.603	-213.448	-411.890
Akaike Inf. Crit.	651.355	779.120	496.571	453.206	432.897	829.780

Note:

* $p < 0.05$; ** $p < 0.01$; *** $p < .001$

ANALYSIS OF BIAS

Race

As shown in the following table, the subgroups by Race for the ORAS fall under the 1,000 overall sample, size and the 200 subgroup sample size threshold established for this report and therefore analyses will not be shown.

ORAS Risk Score	White	Black	Hispanic
1	68	13	129
2	89	26	188
3	83	2	119

Further research is needed to analyze the elements that may be driving the observed differences and whether there are data-driven modifications to the tool's risk factors or weights that can further improve the predictive power of the tool.

Gender

As shown in the following table, the subgroups by Gender for the ORAS fall under the 1,000 overall sample, size and the 200 subgroup sample size threshold established for this report and therefore analyses will not be shown.

ORAS Risk Score	Male	Female
1	163	54
2	240	72
3	163	43

Further research is needed to analyze the elements that may be driving the observed differences and whether there are data-driven modifications to the tool's risk factors or weights that can further improve the predictive power of the tool.

Appendix A

Table 1. Ohio Risk Assessment System: Pretrial Assessment Tool (ORAS-PAT): Factors and Weights

Risk Factor	Response	Weight
Age at First Arrest	33 or Older	0
	Under 33	1
Number of Failure-to-Appear Warrants in Past 24 Months	None	0
	One Warrant for FTA	1
	Two or More FTA Warrants	2
Three or More Prior Jail Incarcerations	No	0
	Yes	1
Employed at the Time of Arrest	Yes, Full-time	0
	Yes, Part-time	1
	Not Employed	2
Residential Stability	Lived at Current Residence for Past Six Months	0
	Not Lived at Same Residence	1
Illegal Drug Use During Past Six Months	No	0
	Yes	1
Severe Drug Use Program	No	0
	Yes	1
Point Range		0–9

Source: [Creation and Validation of the Ohio Risk Assessment System: Final Report, University of Cincinnati School of Criminal Justice, Center for Criminal Justice Research \(2009\)](#)

Appendix B

PSA Violent Offense List

PC CODE	Description
69	Obstructing or resisting exec officer in performance of duty; threats, force, or violence
136.1(c)(1)	Intimidating/Threat Witness/Victim and Act is accompanied by force
140(a)	Threatening Witnesses, victims or informants.
148(b)	Removal or taking of weapon other than firearm from peace officer during commission of resisting offense
148(c)	Removal or taking of firearm from peace officer during commission of resisting offense
148(d)	Removal or taking of weapon firearm from peace officer engaged in performance of duty
148.10(a)	Resist Po: Cause death/SBI
149	Assault by a public officer
151	Advocacy to kill or injure peace officer
186.26(c)	Use of coercion or violence to solicit or recruit another to actively participate in criminal street gang
187(a)	Murder first or second degree
191.5(a)	Gross vehicular manslaughter while intoxicated
192(a)	Voluntary manslaughter
192(b)	Involuntary manslaughter
192(c)(1)	Vehicular manslaughter with gross negligence
192(c)(3)	Vehicular manslaughter
192.5(a)	Vehicular manslaughter in the operation of a vessel while intoxicated
192.5(b)	Vehicular manslaughter in the operation of a vessel while intoxicated
192.5(c)	Vehicular manslaughter in the operation of a vessel
203	Mayhem
205	Aggravated Mayhem
206	Torture
207(a)	Kidnapping
207(b)	Kidnap -14 to com I&I
207(c)	Kidnapping by false pretense
207(d)	Kidnapping from outside the state
208(b)	Kidnap child under 14 yrs
209(a)	Kidnapping for ransom
209(b)(1)	Kidnap: commit rob/rape/etc
209.5(a)	Kidnap during carjacking
210.5	False imprisonment of a hostage
667.85	Kidnap to deprive parent
211	Robbery: first or second degree
212	Fear defined for robbery
212.5	Robbery; degrees

214	Train robbery
215	Carjacking
217.1(a)	Assault on a public official
217.1(b)	Attempted murder of a public official
218	Train wrecking; attempt; punishment.
218.1	Obstructing railroad track; punishment.
219	Train derailling or wrecking; punishment.
219.1	Throwing missile at common carrier with bodily harm
219.2	Throwing hard substance or shooting missile at train or other conveyance
220	Assault with intent to commit mayhem, rape, sodomy, oral copulation, or any violation of Section 264.1, 288, or 289
220(a)(1)	Assault with intent to commit a felony
220(a)(2)	Assault with intent to commit a felony-victim under 18
220(b)	Assault to commit a felony during the commission of a first degree burglary
222	Administering to another any chloroform, ether, laudanum, or any controlled substance, anesthetic, or intoxicating agent
236	False imprisonment
236.1	Human trafficking; provisions regarding minors; consideration of total circumstances
237(a)	False imprisonment
240	Assault
241	Assault
241.1	Assault on custodial officer
241.2	Assault on school or park property
241.3	Assault against person on public transportation, both on property of and within motor vehicle of provider
241.4	Assault on peace officer of a school district
241.5	Assault on a highway worker
241.6	Battery on school employee
241.7	Assault against jurors
241.8(a)	Battery against member of us armed forces
242	Battery
243	Battery
243.1	Battery on custodial officer
243.2(a)(1)	Battery on pers on school/park/grnds
243.25	Battery on an elder or dependent adult
243.3	Battery on transportation personnel/passenger
243.35	Battery on public transportation provider
243.4	Sexual battery
243.5(a)(1)	Assault or battery on school prop
243.6	Battery on school employee
243.65(a)	Battery against a highway worker
243.7	Battery against jurors
243.8(a)	Battery against a sports official

243.9(a)	Aggravated battery by gassing on peace officer or local detention facility employee
244	Aslt w/caustic chem/etc
244.5(b)	Assault with stun gun/taser
244.5(c)	Assault with stun gun or taser on peace officer or firefighter
245(a)(1)	Force/adw-not firearm: gbi
245(a)(2)	Aslt w/ firearm on person
245(a)(3)	Aslt w/machinegun on person
245(a)(4)	Force/adw not firearm: gbi
245(b)	Assault w/semiauto rifle
245(c)	Adw not f/arm: po/fire: gbi
245(d)(1)	Assault with a firearm upon a peace officer or firefighter
245(d)(2)	Assault on peaceofficer/firefighter with semiautomatic firearm
245(d)(3)	Machine gun/assault weapon on a peace officer/firefighter
245.2	Assault (adw/gbi) upon transportation personnel, mass transit personnel
245.3	Assault (adw/gbi) upon a custodial officer
245.5(a)	Adw/gbi schl emp: no f/arm
245.5(b)	Assault with firearm on a school employee
245.5(c)	Adw/stun gun or taser: school employee
245.6	Hazing resulting in death/serious bodily injury
246	Shoot: inhab dwell/veh/etc
246.3(a)	Firearm disch w/neg
246.3(b)	BB device disch w/ neg
261(a)	Rape
261.5(a)	Sex intercourse w/mnr -18
261.5(b)	Sex w/minor: + or - 3 yrs
261.5(c)	Sex w/minor:3+ yrs younger
261.5(d)	Sex w/minor: perp 21+ vic-16
262(a)(1)	Rape spouse by force/etc
262(a)(2)	Rape spouse und c/sub/etc
262(a)(3)	Rape: spouse uncon of act
262(a)(4)	Rape: spouse - threat to kidnap, inflict extreme pain, serious bodily injury
262(a)(5)	Rape: spouse - threat to incarcerate, arrest, deport
262(a)(6)	Rape of spouse by threat to arrest or deport
264.1	Rape/etc: cnrt force/viol
266a	Taking a person for prostitution
266b	Abduction to live in illicit relation; using force
266c	Unlawful sexual intercourse, sexual penetration, oral copulation, or sodomy; consent procured by false or fraudulent representation with intent to create fear
266h(b)	Pimping a minor
266i(b)	Pandering a minor
266j	Procurement of child under age 16 for lewd and lascivious acts
267	Abduction; person under 18 for purpose of prostitution
269(a)	Agg sex aslt: mnr: frce/etc
273.4	Female genital mutilation

273.5(a)	Injuring a spouse, cohabitant, fiancé, boyfriend, girlfriend or child's parent	
273.5(f)	Inf crpl inj: sps/etc w/pr	
273.6(b)	Viol crt ord to prev domes viol – results in physical injury	
273.6(d)	Domestic violence w/prior – act of violence or a credible threat of violence	
273a(a)	Willful cruel to child/poss inj/death	
273a(b)	Willful cruelty to child	
273ab(a)	Assault of child under 8 by force likely to produce GBI resulting in death	
273ab(b)	Assault of child under 8 by force likely to produce GBI resulting in brain injury, paralysis	
273d(a)	Inflict injury upon child	
278	Child stealing	
285	Incest	
286(b)	Sodomy: person under 18	
286(c)	Sodomy: person under 14	
286(d)	Sodomy in concert w/force	
286(f)	Sodomy: vict uncons of act	
286(g)	Sodomy: vict incapbl:consent	
286(h)	Sodomy: vic/def in mntl inst	
286(i)	Sodomy: no ok: vict drugged	
286(j)	Sodomy by impersonation	
286(k)	Sodomy under color of authority	
288(a)	Lewd or lasciv acts/w/child und 14yrs	
288(b)	Lewd/lasc acts w/child under 14 or dependent person	
288(c)	Lewd/lasc act w/chld 14/15:def 10yr+ or dependent person	
288.2(a)	Harmful mtr sent w/int of seduc minor	
288.3	Contact with intent to commit sex act	
288.4	Arranging a meeting with minor for lewd purposes	
288.5(a)	Continuous sexual abuse of child	
288.7(a)	Sex/sodomy with a child under 10	
288.7(b)	Oral copulation/sexual penetration with a child under 10	
287(b)	Oral copulation w/pers und 18yrs	
287(c)	Oral copul w/person und 14/by force	
287(d)	Oral cop in concert: vic incap of con	
287(f)	Oral cop: vic uncon/asleep	
287(g)	Oral copulation of an incompetent person	
287(h)	Oral cop: vic/def in mntl inst	
287(i)	Oral copulation by anesthesia or controlled substance	
287(j)	Oral copulation by impersonation	
287(k)	Oral copulation under color of authority	
288a(b)	Oral copulation w/pers und 18yrs	
288a(c)	Oral copul w/person und 14/by force	
288a(d)	Oral cop in concert: vic incap of con	
288a(f)	Oral cop: vic uncon/asleep	
288a(g)	Oral copulation of an incompetent person	

288a(h)	Oral cop: vic/def in mntl inst
288a(i)	Oral copulation by anesthesia or controlled substance
288a(j)	Oral copulation by impersonation
288a(k)	Oral copulation under color of authority
289	Sexual pen with force/etc
289.6(a)(3)	Sex: emp/etc cnf/detention fac
311.4(a)	Using Minors for Sex Acts
311.4(b)	Using Minors for Commercial Sex Acts
311.4(c)	Using Minors for Sex Acts
347(a)	Poisoning, willful poison/etc food/etc
368(b)	Cause harm/death elder dep adult
368(c)	Elder/dependent adult cruelty
368(f)	False imprison: elder/dep adult violence
404(a)	Rioting
417(a)	Exhibit firearm or deadly weapon other than gun. Drawing, exhibiting, or using firearm or deadly weapon; self defense; peace officers.
417(b)	Exhibit firearm. Drawing, exhibiting, or using a firearm
417(c)	Exhibit firearm in presence of p.o. Drawing, exhibiting, or using firearm or deadly weapon; self defense; peace officers.
417.3	Exhibit firearm pres beh occup
417.8	Exhibit firearm/etc: resist arrest
422.6(a)	Violate civil rights by force or threat
451(a)	Arson causing great bodily injury
451(b)	Arson: inhabited structure/property
451.1	Arson with added circumstances
451.5(a)	Aggravated arson
452(a)	Causing fire that causes gbi
452(b)	Causing fire of inhabited struc/prop
455	Arson attempts and acts preliminary or in furtherance
646.9(a)	Stalking
646.9(b)	Stalking/temp restraining order
647.6(a)(1)	Annoy/molest child under 18yrs
647.6(b)	Annoy/molest child/ill entry of bldg
647.6(c)	Annoy/etc child -18 w/prior
667.61(d)(2)	Felony sex offenses; victim kidnapped increasing risk of harm
667.61(d)(3)	Felony sex offenses; victim tortured
667.61(e)(1)	Felony sex offense; victim kidnapped
667.61(e)(2)	Felony sex offenses during commission of burglary
667.61(e)(4)	Felony sex offenses against more than one victim
667.61(e)(5)	Felony sex offenses -tying or binding of victim or another person
667.8	Kidnap to commit sex offense
667.85	Kidnap child under 14 yrs
674	Sex offense by daycare provider
836.6(c)	Escape from custody by force or violence
4500	Assault by a life prisoner
4501	Assault by a state prisoner

4501.1(a)	Aggravated battery	
4501.5	Battery on non-confined person by prisoner	
4503	Holding of hostages; offense	
4530(a)	Escape from custody by force and violence	
4532(a)(2)	Escape from alternative custody by force or violence by person booked on misdemeanor	
4532(b)(2)	Escape from alternative custody by force or violence by person booked on felony	
11413(a)	terrorism by explosion	
11413(b)	terrorism by explosion (specified places)	
11418(b)	weapons of mass destruction: use and damage to life	
11418(c)	weapons of mass destruction: use and damage to public natural resources	
11418(d)	weapons of mass destruction: creation of new pathogens	
18740	Use of destructive device and explosive to injure/destroy	
18745	Explosion with intent to murder	
18750	Explosion of destructive device causing bodily injury	
18755	Explosion causing death, mayhem, GBI	
26100(c)	Discharge of firearm at another person from motor vehicle	
18540(a)	Use of firearm to intimidate a voter	
664/187(a)	Attempted murder?	
664/211	Attempted robbery	
Veh Code 2800.3(a)	SBI caused by flight from peace officer	
Veh Code 2800.3(b)	Death caused by flight from peace officer	

All attempts (PC 664), conspiracy (PC 182), solicitation (PC 653f), and accessory (PC 31) only if before the act of any of the offenses identified here also meet the definition of a violent offense for purposes of administering the PSA.