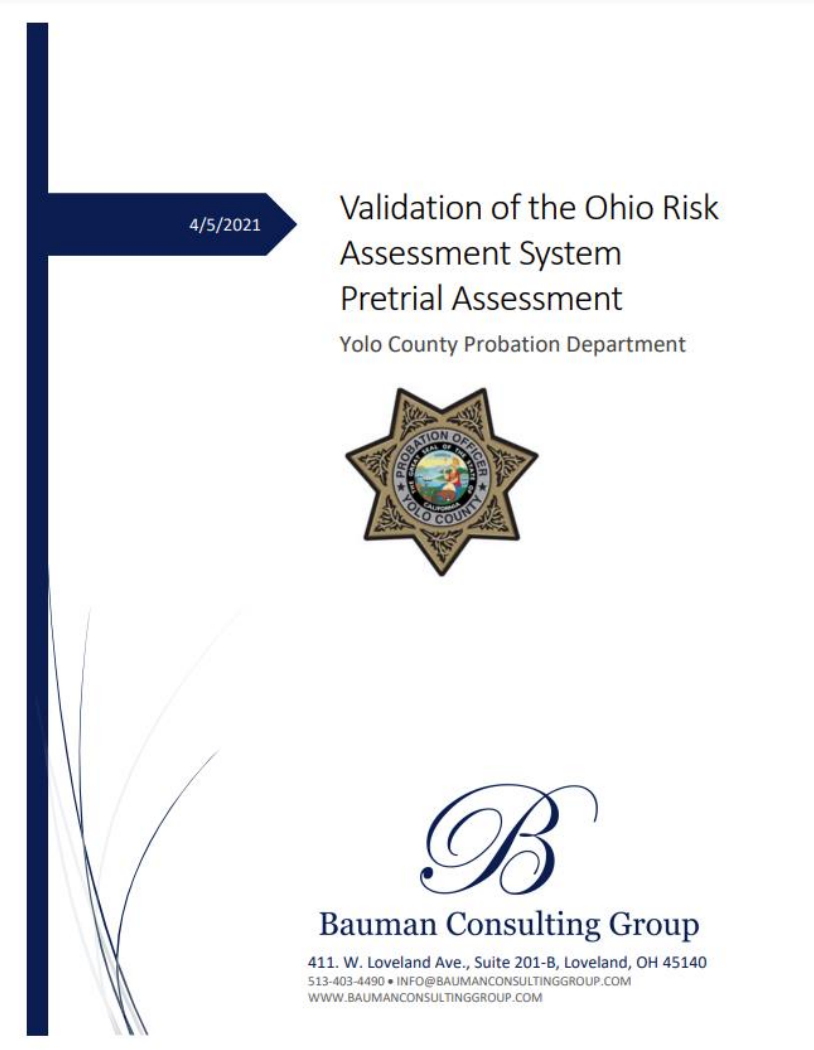



Validation of Yolo County Probation's Pretrial Risk Assessment Tool (ORAS-PAT)

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4/5/2021

Validation of the Ohio Risk
Assessment System
Pretrial Assessment
Yolo County Probation Department



B
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Yolo County Pretrial Services Unit

Pretrial Release program established to help ensure equal, timely and just administration of laws governing pretrial release. Goals:

- ▶ Avoid jailing defendant during period between arrest and court disposition.
- ▶ Minimize risk to public of defendants failing to appear to court and committing new offenses during their pre-trial release period.

History

- ▶ Probation awarded Byrne Grant in 2009 to start-up Unit
- ▶ 9 staff ran a 365-day program
- ▶ Originally staffed for 90-100 clients
- ▶ Original Pretrial Risk Assessment Tool – STRONG – validated in 2012
- ▶ Byrne Grant funding ended in 2013
- ▶ CCP funding began
- ▶ 6,941 Pre-Trial Assessments completed to date
- ▶ Currently, over 180 clients on Supervised Own Recognizance (SOR)

PAT just one factor in determining Release

SOR Investigative Report includes the following as part of detention recommendation:

- ▶ Full interview with client
 - ▶ Full interview with victim (if applicable)
 - ▶ Contact with personal ties
 - ▶ Verification of employment
 - ▶ Verification of residence
 - ▶ Severity of current offense
 - ▶ Prior history on SOR
 - ▶ History of failure to appear to court
 - ▶ History of offenses committed while on bail
 - ▶ AND the PAT Assessment
- ▶ All parties “weigh in” on detention recommendation during arraignment, prior to court’s determination

SB36, Pretrial Release: Risk Assessment Tools

- ▶ Penal Code §1320.35 (Senate Bill 36; Stats. 2019, Ch. 589) requires Judicial Council to annually publish on its website a report with data related to outcomes and potential biases in pretrial release.
- ▶ Penal Code §1320.35 also requires pretrial services agencies that perform pretrial risk assessments to undertake risk assessment tool validation and to make tool validation and related information publicly available.



www.YoloCounty.org > General Government > Probation > Adult Services > Pretrial Release Program

Pretrial Services Report

Pretrial services will compile reliable and objective information relevant to the court's determination concerning pretrial release or detention. To compile this information, the Probation Department utilizes a scholarly-based Pre-Trial Risk Assessment Instrument from the University of Cincinnati called the Ohio Risk Assessment System. In 2020-21, the use of this tool was validated by the Bauman Consulting Group. Link here for their [Validation of the Ohio Risk Assessment System Pretrial Assessment](#).

Link here to view the [Ohio Risk Assessment System Pre-Trial Tool Manual](#).

Purpose of Validation Study

- ▶ Test validity
 - ▶ The risk that an assessed person will fail to appear in court as required
 - ▶ The risk to public safety due to the commission of a new criminal offense if the person is released pretrial
- ▶ Measure bias
 - ▶ Any disparate effect or bias in the risk assessment tool or its application based on gender, race or ethnicity.

Revoked by Risk Level, Gender & Race

Risk Level	% Revoked
Low	17.86%
Medium	37.43%
High	57.35%
No Score	41.50%

Gender	% Revoked
Female	38.99%
Male	41.44%
Other	100.00%
Total	40.86%

Race	% Revoked
Black	42.33%
Hispanic	40.47%
Other	31.76%
White	41.88%
Total	40.86%

Predictor Variable Frequency & Percent

Level Risk	Frequency	Percent
Low	112	8.0
Medium	350	25.1
High	204	14.6
Missing	728	52.2
Total	1,394	100.0

Score	Frequency	Percent
0	14	1.0
1	37	2.7
2	56	4.0
3	92	6.6
4	121	8.7
5	129	9.3
6	118	8.5
7	55	3.9
8	21	1.5
9	12	0.9
Missing	739	53.1
Total	1,395	100.0

Predictor Variable Frequency & Percent

Gender	Frequency	Percent
Female	377	27.0
Male	1,015	72.8
Other	2	0.14
Total	1,394	100.0

Race	Frequency	Percent
Black	215	15.4
Hispanic	466	33.4
Other	85	6.1
White	628	45.0
Total	1,394	100.0

Summary of Findings

- ▶ The ORAS-PAT being used by Yolo County Probation Department can make valid risk predictions based on an individual's risk score or level
- ▶ No statistically significant bias found based on race, gender, age, nor crime type
- ▶ Overall - Area under Receiving Operating Characteristic (ROC) curve = 0.6734
 - ROC by race – No statistically significant difference
 - ROC by gender – No statistically significant difference
 - ROC by age – No statistically significant difference
 - ROC by most serious offense – No statistically significant difference

Total SOR Clients Analyzed: 1,218 individuals with 1,394 SOR cases

- ▶ Reasons by Percentage of 570 cases failing SOR or (40.9%)
 - Failure to Appear at 12.3% or 171 cases
 - New Law Violation at 9.2% or 127 cases
 - Violation of SOR Terms and Conditions at 19.5% or 272 cases