Online Supplemental Table 1

Type and Content of Items included in Reviewed Pretrial Risk Assessment Instruments

	COMPAS-PPRS	CPAT	ORAS-PAT	PSA	PTRA	VPRAI
TYPES OF FACTORS						
Risk	X	X	X	X	X	X
Protective						
Static	X	X	X	X	X	X
Dynamic	X	X	X	X	X	X
CONTENT DOMAIN						
Demographic Characteristics						
Age	X			X	X	
Marital status						
Citizenship					X	
Education					X	
Personal/Social Characteristics						
Living situation	X	X	X		X	X
Employment	X		X		X	X
Financial resources		X				
Local family relationships	X					
Criminal Justice Characteristics						
Current charge	X			X	X	X
Other pending charges	X	X		X	X	X
Time in community	X					
History of pretrial failure	X		X	X	X	X
Prior revoked bail or suspension		X				
Prior misdemeanor offenses				X		X
Prior felony offenses				X	X	X
Prior violent convictions				X		X
Age at first arrest		X	X			
Prior incarceration	X	X	X	X		
Clinical Characteristics						
Substance use	X	X	X		X	X
Mental health		X				

Notes. COMPAS-PRRS = Correctional Offender Management Profiling for Alternative Sanctions-Pretrial Risk Release Scale; CPAT = Colorado Pretrial Assessment Tool; ORAS-PAT = Ohio Risk Assessment System: Pretrial Assessment Tool; PSA = Public Safety Assessment; PTRA = Pretrial Risk Assessment Instrument; VPRAI = Virginia Pretrial Risk Assessment Instrument.

Online Supplemental Table 2

Characteristics of Studies Examining the Predictive Validity of Pretrial Risk Assessment Instruments

	Analytic Sample Size	Unit of Analysis	Jurisdictions	Study Years	Offense Types	Sample Characteristics	Predictor(s)	Subgroups Examined	Outcome Data Source(s)	Pretrial Outcome(s) Assessed	Follow-up Period(s)	RAGEE Items Reported
COMPAS-PRRS												
Dieterich (2010)	2,831	person	Kent County, FL	2008	felony	not reported	not clear	none	official records	FTA, felony arrest	not reported	21
CPAT												
The Pretrial Justice Institute (2012)	1,315	person	10 Colorado counties	unclear	felony, misdemeanor, traffic	76.8% male; 85.6% White 11.5% Black 1.4% Native American 1.2% Asian 0.2% Pacific Islander	risk levels	none	official records	FTA, new filing (violent & non-violent)	up to 16-month timeframe	26
ORAS-PAT												
Latessa et al., (2009); Latessa, et al. (2010)	452	person	7 Ohio counties plus some from "another state"	2006-2009	not specified	79.3% male; 50.2% White 46.5% Black 3.3% race not specified; *M* age = 32.7	total scores and risk levels	none	official records	FTA, new arrest (violent & non-violent)	12 months	34; 23
PSA												
DeMichele et al. (2018)	164,597	case	statewide in Kentucky	2013-2014	not specified	68.9% male; 81.1% White 16.8% Black 2.1% race not specified	subscale scores, violence flag	gender (men, women) race (Black, White)	official records	FTA, , new arrest (violent & non-violent), new violent arrest	not reported	26
Lowenkamp & VanNostrand (2013)	109,633	case	statewide in Kentucky	2009-2011	not specified	74% male; 80% White 18% Black 2% other race; *M* age = 33.5	risk levels	none	unclear	FTA, new arrest (violent & non-violent), bail revocation	not reported	20

PTRA

Study	N	Unit	Jurisdiction	Years	Charge	Sample	Scores	Subgroups	Data source	Outcomes	Follow-up	#
Cohen & Lowenkamp (2019)	85,369	unclear	federal system	2009-2015	not specified	71.7% men, 42.8% White, 25.6% Black, 24.2% Hispanic, 7.4% race not specified, *M* age = 37.8	total scores, risk levels	race (non-Hispanic White, non-Hispanic Black, Hispanic) gender (men, women)	official records	FTA, new arrest (violent & non-violent), pretrial revocation (technical violation & arrest)	11 months	34
Lowenkamp & Whetzel (2009)	200,582.50*	unclear	federal system	2001-2007	all	not reported	individual item scores, total scores, risk levels	none	not reported	FTA, new arrest (violent & non-violent), technical violation	not reported	20

VPRAI

Study	N	Unit	Jurisdiction	Years	Charge	Sample	Scores	Subgroups	Data source	Outcomes	Follow-up	#
Danner et al. (2015, 2016)	14,382	case	statewide in Virginia (29 pretrial service agencies)	2013-2014	felony, misdemeanor, traffic	74.4% male, 51.5% White, 43.2% Black, 3.6% Hispanic, 0.1% Native American, 1% Asian, *M* age = 32.3	individual item scores, risk levels	race (White, Persons of Color) gender (men, women)	not reported	FTA, new arrest (violent & non-violent), technical violation	not reported	25; 23
Lovins & Lovins (2016)	568	person	Riverside County, CA	2014-2015	not specified	71.8% male, 36.6% White, 63.4% Persons of Color	total scores, risk levels	none	not reported	FTA, new arrest (violent & non-violent), technical violation	not reported	21
VanNostrand (2003)	1,971	person	7 Virginia localities	1998-1999	felony, misdemeanor	78.5% male, 57.7% White, 39.8% Black, 2.4% race not specified	total scores, risk levels	race (White, Black) gender (men, women) income	official records	FTA, new arrest (violent & non-violent)	up to 1 year 10 months	29
VanNos	28,044	case	statewid	200	felony,	78% male	risk	none	intervi	FTA,	not	23

| trand et al. (2011) | e in Virginia (30 pretrial service agencies) | 5-2008 | misdemeanor | 46% White 48% Black 4.5% Hispanic 1.5% race not specified M age = 32.0 | levels | | ew with defendant | new arrest (violent & non-violent), technical violation | reported |

Notes. COMPAS-PPRS = Correctional Offender Management Profiling for Alternative Sanctions-Pretrial Release Risk Scale; CPAT = Colorado Pretrial Assessment Tool; ORAS-PAT = Ohio Risk Assessment System-Pretrial Assessment Tool; PSA = Public Safety Assessment; PTRA = Pretrial Risk Assessment Instrument; VPRAI = Virginia Pretrial Risk Assessment Instrument. RAGEE = Risk Assessment Guidelines for Evaluation of Efficacy. FTA = failure to appear. *Lowenkamp & Whetzel (2009) reported a range of sample sizes from 185,827 - 215,338 so we used the average of the lower end and upper end of the ra