**Appendix Table 1** Table showing studies included in meta-analysis with study- and sample-related variables

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| **First author (year)** | **Tool** | **Sample size** | **Gender** | **Study Design** | **Temporal design** | **Mean age (years)** | **% of sample that were violent** | **Violent outcome measured** | **Diagnoses** | **% with violent index offence** | **Length of follow-up (days)** | **Accuracy measures** | **QUADAS (Low or High)** |
| Arai (2016) | HCR-20 | 93 | Male | Cohort | Retrospective |  n/a | 12.9 | Interpersonal | n/a | n/a | 180 | Sens: 1.00Spec: 0.58PPV: 0.26NPV: 1.00DOR: n/aAUC: 0.81 | Low |
| HCR-20 | 15 | Female | Cohort | Retrospective |  n/a | 20.0 | Interpersonal | n/a | n/a | 180 | Sens: 1.00Spec: 0.67PPV: 0.43NPV: 1.00DOR: n/aAUC: 0.76 | Low |
| Chan (2014) | BVC | 530 | Mixed | Cohort | Prospective | 39.2 | 17.7 | Including verbal threat | Psychotic disorder (25%);Personality disorder (12%) | 46.2 | 1 | Sens: 0.16Spec: 1.00PPV: 0.98NPV: 0.56DOR: 70.09AUC: 0.77 | Low |
| DASA | 530 | Mixed | Cohort | Prospective | 39.2 | 17.7 | Including verbal threat | Psychotic disorder (25%) | 46.2 | 1 | Sens: 0.73Spec: 1.00PPV: 0.91NPV: 0.99DOR: n/aAUC: 0.97 | Low |

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| **First author (year)** | **Tool** | **Sample size** | **Study Design** | **Temporal design** | **Gender** | **Mean age (years)** | **% of sample that were violent** | **Violent outcome measured** | **Diagnoses** | **% with violent index offence** | **Length of follow-up (days)** | **Accuracy measures** | **QUADAS (Low or High)** |
| Chu (2013) | BVC | 70 | Cohort | Prospective | Mixed | 34.3 | 22.9 | Interpersonal | Psychotic disorder (80%) | 65.7 | 1 | Sens: 0.95Spec: 0.52PPV: 0.12NPV: 0.99DOR: 16.15AUC: 0.83 | Low |
| DASA | 70 | Cohort | Prospective | Mixed | 34.3 | 22.9 | Interpersonal | Psychotic disorder (80%);Personality disorder (20%) | 65.7 | 1 | Sens: 0.76Spec: 0.81PPV: 0.04NPV: 1.00DOR: 13.20AUC: 0.83 | Low |
| Daffern (2007) | DASA | 38 | Cohort | Prospective | Male |  n/a | 7.0 | Including verbal threat | Personality disorder (100%) |  n/a | 1 | Sens: 0.13Spec: 0.98PPV: 0.35NPV: 0.94DOR: 8.64AUC: 0.65 | Low |
| de Vogel (2005) | HCR-20 | 21 | Cohort | Retrospective | Male | 30.7 | 28.6 | Interpersonal | n/a | 74 | 561 | Sens: 1.00Spec: 0.27PPV: 0.35NPV: 1.00DOR: n/aAUC: 0.93 | Low |

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| **First author (year)** | **Tool** | **Sample size** | **Study Design** | **Temporal design** | **Gender** | **Mean age (years)** | **% of sample that were violent** | **Violent outcome measured** | **Diagnoses** | **% with violent index offence** | **Length of follow-up (days)** | **Accuracy measures** | **QUADAS (Low or High)** |
| de Vogel (2005) | HCR-20 | 27 | Cohort | Retrospective | Female | 33.2 | 29.6 | Interpersonal | n/a |   | 306 | Sens: 0.63Spec: 0.42PPV: 0.31NPV: 0.73DOR: 1.21AUC: 0.59 | Low |
| de Vogel (2006) | HCR-20 | 127 | Cohort | Prospective | Male | 32.9 | 15.0 | Interpersonal | Personality disorder (66%) | 93 | 645 | Sens: 1.00Spec: 0.79PPV: 0.21NPV: 1.00DOR: n/aAUC: 0.85 | Low |
| de Vries Robbe (2016) | HCR-20 | 146 | Cohort | Prospective | Male |  n/a | 11.3 | Including verbal threat | n/a | n/a | 365 | Sens: 0.49Spec: 0.82PPV: 0.26NPV: 0.93DOR: 4.38AUC: 0.67 | Low |
| HCR-20 | 39 | Cohort | Prospective | Female |  n/a | 10.2 | Including verbal threat | n/a | n/a | 365 | Sens: 0.56Spec: 0.80PPV: 0.24NPV: 0.94DOR: 4.92AUC: 0.67 | Low |
| **First author (year)** | **Tool** | **Sample size** | **Study Design** | **Temporal design** | **Gender** | **Mean age (years)** | **% of sample that were violent** | **Violent outcome measured** | **Diagnoses** | **% with violent index offence** | **Length of follow-up (days)** | **Accuracy measures** | **QUADAS (Low or High)** |
| Desmarais (2012) | START | 120 | Cohort | Pseudo-Prospective | Male | 38 | 22.7 | Interpersonal | Psychotic disorder (85%) | 80 | 365 | Sens: 0.96Spec: 0.49PPV: 0.36NPV: 0.98DOR: 24.89AUC: 0.85 | Low |
| Dolan (2008) | VRS-2 | 147 | Cohort | Retrospective | Mixed | 36 | 52.1 | Including verbal threat | Psychotic disorder (90%);Personality disorder (4%) | 51 | 56 | Sens: 0.63Spec: 0.66PPV: 0.68NPV: 0.61DOR: 3.04AUC: 0.69 | Low |
| Fagan (2009) | HCR-20 | 81 | Cohort | Prospective | Male |  n/a | 11.1 | Including verbal threat | n/a | n/a | 184.8 | Sens: 0.78Spec: 0.76PPV: 0.29NPV: 0.97DOR: 11.32AUC: 0.80 | Low |
| Gunenc (2017) | START | 44 | Cohort | Prospective | Male | 34.3 | 45.5 | Interpersonal | Psychotic disorder (48%) | n/a | 180 | Sens: 0.75Spec: 0.75PPV: 0.71NPV: 0.78DOR: 9.00AUC: 0.65 | Low |

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| **First author (year)** | **Tool** | **Sample size** | **Study Design** | **Temporal design** | **Gender** | **Mean age (years)** | **% of sample that were violent** | **Violent outcome measured** | **Diagnoses** | **% with violent index offence** | **Length of follow-up (days)** | **Accuracy measures** | **QUADAS (Low or High)** |
| Hvidhjelm (2014) | BVC | 156 | Cohort | Prospective | Mixed | 38 | 48.7 | Including verbal threat | Psychotic disorder (83%);Personality disorder (3%) | 85.3 | 1 | Sens: 0.66Spec: 1.00PPV: 0.37NPV: 1.00DOR: n/aAUC: 0.92 | Low |
| Jeandarme (2017) | HCR-20 | 168 | Cohort | Retrospective | Mixed | 36.1 | 19.6 | Interpersonal | Psychotic disorder (43%);Personality disorder (76%) | 75.6 | 675.4 | Sens: 0.33Spec: 0.71PPV: 0.22NPV: 0.81DOR: 1.23AUC: 0.60 | Low |
| McDermott (2011) | COVR | 146 | Cohort | Prospective | Mixed | 46.1 | 15.1 | Interpersonal | Psychotic disorder (78%) | 63 | 140 | Sens: 0.73Spec: 0.63PPV: 0.26NPV: 0.93DOR: 4.52AUC: 0.73 | Low |
| Mudde (2011) | HCR-20 | 102 | Cohort | Pseudo-Prospective | Mixed | 37.1 | 42.2 | Including verbal threat | Psychotic disorder (73%) | 70 | 1278 | Sens: 0.54Spec: 0.72PPV: 0.58NPV: 0.68DOR: 2.84AUC: 0.71 | Low |

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| **First author (year)** | **Tool** | **Sample size** | **Study Design** | **Temporal design** | **Gender** | **Mean age (years)** | **% of sample that were violent** | **Violent outcome measured** | **Diagnoses** | **% with violent index offence** | **Length of follow-up (days)** | **Accuracy measures** | **QUADAS (Low or High)** |
| Negredo (2015) | HCR-20 | 29 | Cohort | Retrospective | Male | 38 | 44.8 | Interpersonal | Psychotic disorder (79%);Personality disorder (21%) | 74.7 |   | Sens: 0.77Spec: 0.56PPV: 0.59NPV: 0.75DOR: 4.29AUC: 0.29 | Low |
| PCL:SV | 29 | Cohort | Retrospective | Male | 38 | 44.8 | Interpersonal | Psychotic disorder (79%);Personality disorder (21%) | 74.7 |   | Sens: 0.46Spec: 0.88PPV: 0.75NPV: 0.67DOR: 6.00AUC: 0.24 | Low |
| Nonstad (2010) | START | 47 | Cohort | Prospective | Mixed | 36 | 34.8 | Including verbal threat | Psychotic disorder (96%);Personality disorder (15%) | n/a | 90 | Sens: 0.81Spec: 0.60PPV: 0.52NPV: 0.86DOR: 6.50AUC: 0.77 | Low |
| Snowden (2009) | COVR | 44 | Cohort | Prospective | Male |  n/a | 52.3 | Interpersonal | n/a | n/a | 180 | Sens: 0.74Spec: 0.76PPV: 0.77NPV: 0.73DOR: 9.07AUC: 0.34 | Low |

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| **First author (year)** | **Tool** | **Sample size** | **Study Design** | **Temporal design** | **Gender** | **Mean age (years)** | **% of sample that were violent** | **Violent outcome measured** | **Diagnoses** | **% with violent index offence** | **Length of follow-up (days)** | **Accuracy measures** | **QUADAS (Low or High)** |
| Snowden (2009) | COVR | 8 | Cohort | Prospective | Female |  n/a | 50.0 | Interpersonal | n/a | n/a | 180 | Sens: 0.25Spec: 0.75PPV: 0.50NPV: 0.50DOR: 1.00AUC: 0.79 | Low |
| HCR-20 | 44 | Cohort | Prospective | Male |  n/a | 52.3 | Interpersonal | n/a | n/a | 180 | Sens: 0.87Spec: 0.24PPV: 0.56NPV: 0.63DOR: 2.08AUC: 0.91 | Low |
| HCR-20 | 8 | Cohort | Prospective | Female |  n/a | 50.0 | Interpersonal | n/a | n/a | 180 | Sens: 1.00Spec: 0.75PPV: 0.80NPV:1.00DOR: n/aAUC: 0.67 | Low |
| PCL-R | 44 | Cohort | Prospective | Male |  n/a | 52.3 | Interpersonal | n/a | n/a | 180 | Sens: 0.83Spec: 0.19PPV: 0.53NPV: 0.50DOR: 1.12AUC: 0.81 | Low |

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| **First author (year)** | **Tool** | **Sample size** | **Study Design** | **Temporal design** | **Gender** | **Mean age (years)** | **% of sample that were violent** | **Violent outcome measured** | **Diagnoses** | **% with violent index offence** | **Length of follow-up (days)** | **Accuracy measures** | **QUADAS (Low or High)** |
| Snowden (2009) | PCL-R | 8 | Cohort | Prospective | Female |  n/a | 50.0 | Interpersonal | n/a | n/a | 180 | Sens: 0.50Spec: 0.75PPV: 0.67NPV: 0.60DOR: 3.00AUC: 0.57 | Low |
| VRAG | 44 | Cohort | Prospective | Male |  n/a | 52.3 | Interpersonal | n/a | n/a | 180 | Sens: 1.00Spec: 0.14PPV: 0.56NPV: 1.00DOR: n/aAUC: 0.63 | Low |
| VRAG | 8 | Cohort | Prospective | Female |  n/a | 50.0 | Interpersonal | n/a | n/a | 180 | Sens: 1.00Spec: 0.00PPV: 0.50NPV: 0.00DOR: n/aAUC: 0.78 | Low |
| Thomson (2008) | PCL-R | 144 | Cohort | Retrospective | Male |  n/a | 20.1 | Including verbal threat | Psychotic disorder (100%) | n/a | 2920 | Sens: 0.56Spec: 0.44PPV: 0.77NPV: 0.24DOR: 1.02AUC: n/a | Low |

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| **First author (year)** | **Tool** | **Sample size** | **Study Design** | **Temporal design** | **Gender** | **Mean age (years)** | **% of sample that were violent** | **Violent outcome measured** | **Diagnoses** | **% with violent index offence** | **Length of follow-up (days)** | **Accuracy measures** | **QUADAS (Low or High)** |
| Thomson (2008) | PCL-R | 145 | Cohort | Retrospective | Male |  n/a  | 20.0 | Including verbal threat | Psychotic disorder (100%) | n/a | 2920 | Sens: 0.31Spec: 1.00PPV: 1.00NPV: 1.00DOR: n/aAUC: n/a | Low |
| VRAG | 17 | Cohort | Retrospective | Female |  n/a | 17.7 | Including verbal threat | Psychotic disorder (100%) | n/a | 2920 | Sens: 0.81Spec: 0.12PPV: 0.75NPV: 0.16DOR: 0.57AUC: n/a | Low |
| VRAG | 17 | Cohort | Retrospective | Female |  n/a | 17.7 | Including verbal threat | Psychotic disorder (100%) | n/a | 2920 | Sens: 0.69Spec: 0.00PPV: 0.92NPV: 0.00DOR: n/aAUC: n/a | Low |